Users' Manual for Handling Resampled Micro Data of Nepal Living Standard Survey NLSS II 2003/04

Version 2.0

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The Institute of Statistical Mathematics (ISM)
and
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- Second version 2.0 in February 2016
  - Totally revised based on the discussions during the seventh workshop in December 2015

- First draft version 1.0 in December 2015

CONTENTS

NLSS II 2003/04

Chapter 1. About this Manual Page 4

Chapter 2. Outline of the survey 6

Chapter 3. Data and metadata provided 9

Chapter 4. Data import
4.1 Weight data 15
4.2 List of data files 18
4.3 Strategy to import micro data into R 20
4.4 Importing cross-sectional data 21

Chapter 5. Data check
5.1 Variable names and types of each data frame 28
5.2 Range check of each variable 51
5.3 Frequency check of categorical variables 86
5.4 Integrity check of household identifier 116

Chapter 6. Data of district and urban/rural 119

Chapter 7. Demography
7.1 Household members 129
7.2 Household size 130
7.3 Relationship to household head 133
7.4 Population pyramid 138
7.5 Household structure 143
7.6 Ethnicity 154

Chapter 8. Consumption
8.0 Household summary data 156
8.1 Food & tobacco 174
8.2 Selected non-food expenditure 180
8.3 Education 187

8.4 Durable goods 189
8.5 Housing 195
8.6 Utilities 200

Chapter 9. Income 204
9.1 Farm income 205
9.2 Wage income 228
9.3 Non-farm enterprises income 240
9.4 Non-agricultural rental income 247
9.5 Transfer income 249
9.6 Imputed rent (Value of owner-occupied housing) 251
9.7 Other income 252

Chapter 10. Housing 254

Chapter 11. Migration and Remittance Transfer 260

Chapter 12. Micro data to be provided 285

Supplement
S1. Panel data 292

S2. Estimation of districts and urban/rural 299

Attachments: 319
1. NLSS II 2002/03 Household Questionnaire 321
2. Codebook 394

Chapter 1. About this Manual

1. This manual was prepared for users to use the next 80% resampled micro data sets of Nepal Living Standard Survey 2003/04 (NLSS II).

Survey year	Data files	Contents
NLSS 2003/04	80 files	xt001.80 to xt078.80: Household questionnaire areainfo, summary.80
CSV files		
[1] "areainfo.csv" "xt001_80.csv" "xt002_80.csv" "xt003_80.csv" "xt004_80.csv" [6] "xt005_80.csv" "xt006_80.csv" "xt007_80.csv" "xt008_80.csv" "xt009_80.csv" [11] "xt010_80.csv" "xt011_80.csv" "xt012_80.csv" "xt013_80.csv" "xt014_80.csv" [16] "xt015_80.csv" "xt016_80.csv" "xt017_80.csv" "xt018_80.csv" "xt019_80.csv" [21] "xt020_80.csv" "xt021_80.csv" "xt022_80.csv" "xt023_80.csv" "xt024_80.csv" [26] "xt025_80.csv" "xt026_80.csv" "xt027_80.csv" "xt028_80.csv" "xt029_80.csv" [31] "xt030_80.csv" "xt031_80.csv" "xt032_80.csv" "xt033_80.csv" "xt034_80.csv" [36] "xt035_80.csv" "xt036_80.csv" "xt037_80.csv" "xt038_80.csv" "xt039_80.csv" [41] "xt040_80.csv" "xt041_80.csv" "xt042_80.csv" "xt043_80.csv" "xt044_80.csv" [46] "xt045_80.csv" "xt046_80.csv" "xt047_80.csv" "xt048_80.csv" "xt049_80.csv" [51] "xt050_80.csv" "xt051_80.csv" "xt052_80.csv" "xt053_80.csv" "xt054_80.csv" [56] "xt055_80.csv" "xt056_80.csv" "xt057_80.csv" "xt058_80.csv" "xt059_80.csv" [61] "xt060_80.csv" "xt061_80.csv" "xt062_80.csv" "xt063_80.csv" "xt064_80.csv" [66] "xt065_80.csv" "xt066_80.csv" "xt067_80.csv" "xt068_80.csv" "xt069_80.csv" [71] "xt070_80.csv" "xt071_80.csv" "xt072_80.csv" "xt073_80.csv" "xt074_80.csv" [76] "xt075_80.csv" "xt076_80.csv" "xt077_80.csv" "xt078_80.csv" “summary_80.csv”		
R data frames		
[1] "areainfo" "xt001.80" "xt002.80" "xt003.80" "xt004.80" "xt005.80" "xt006.80" [8] "xt007.80" "xt008.80" "xt009.80" "xt010.80" "xt011.80" "xt012.80" "xt013.80" [15] "xt014.80" "xt015.80" "xt016.80" "xt017.80" "xt018.80" "xt019.80" "xt020.80" [22] "xt021.80" "xt022.80" "xt023.80" "xt024.80" "xt025.80" "xt026.80" "xt027.80" [29] "xt028.80" "xt029.80" "xt030.80" "xt031.80" "xt032.80" "xt033.80" "xt034.80" [36] "xt035.80" "xt036.80" "xt037.80" "xt038.80" "xt039.80" "xt040.80" "xt041.80" [43] "xt042.80" "xt043.80" "xt044.80" "xt045.80" "xt046.80" "xt047.80" "xt048.80" [50] "xt049.80" "xt050.80" "xt051.80" "xt052.80" "xt053.80" "xt054.80" "xt055.80" [57] "xt056.80" "xt057.80" "xt058.80" "xt059.80" "xt060.80" "xt061.80" "xt062.80" [64] "xt063.80" "xt064.80" "xt065.80" "xt066.80" "xt067.80" "xt068.80" "xt069.80" [71] "xt070.80" "xt071.80" "xt072.80" "xt073.80" "xt074.80" "xt075.80" "xt076.80"		

[78] "xt077.80" "xt078.80" “summary.80”

2. The original micro data sets composed of all the samples were provided by Central Bureau of Statistics (CBS), Nepal based on the Charter for Experimental Laboratory for Research Purpose Statistical Use of Micro Data, and resampled at the rate of 80% by Sinfonica.

3. The above resampled data sets are available through the Institute of Statistical Mathematics (ISM) both in R and CSV format.

4. This manual was first compiled in December 2015 by;

Hiroshige Furuta
Visiting Senior Research Fellow, Sinfonica

Chapter 2. Outline of NLSS II 2003/04

Objective	To update comprehensive data on the living standards of the people and assess the impact of various government policies and programs on consumption poverty and social indicators over the last eight years (since NLSS I 1995/96).
Frequency	The first round of NLSS (NLSS I) was conducted in 1995/96. The second round of NLSS (NLSS II) was originally scheduled for 2002/03 and conducted a year later during 2003/04. The third round of NLSS (NLSS III) was conducted in 2010/11.
Topics covered	Information on the different aspects of households' welfare, such as consumption, income, housing, labour markets, education, health etc.
Questionnaire	A. Household questionnaire 74-paged household questionnaire with 19 sections and 10 appendices. B. Community questionnaire Rural community questionnaire Urban community questionnaire
Reference period	Over a complete cycle of 12 months partitioned into three pre-scheduled phases. Reference period of income and expenditure is the past 12 months.
Coverage and scope	Geographically, whole country. Private households, excluding collective (institutional) households. Principally, a household member has lived in the household for at least 6 of the past 12 months.
Sample frame	List of ward and its number of household provided by 2001 Population Census.
Sample design	NLSS II followed the Living Standards Measurement Survey (LSMS) methodology developed by the World Bank. Included two components; nationally representative random cross-section sample of 4,008 households, and panel samples of 1,232 households. [CROSS-SECTION DATA] Two stage stratified random sample design Six strata: Mountains (34 PSUs), Kathmandu valley urban area(34), Other Urban area in the Hills (28), Rural Hills (102), Urban Tarai (34) and Rural Tarai (102) Sampling frame: wards or sub-wards (36,067) of 2001 Population Census PSU: 334 PSUs selected from six strata using PPS with the number of households as a measure of size SSU: 12 households within each PSU

	[PANEL DATA] Panel sample was drawn from those households interviewed in NLSS I, in order to track exact changes experienced by those previously enumerated households during last eight years. Sampling frame: taken from 1991 Population Census Four strata of NLSS I: Mountains, Urban Hills, Rural Hills and Tarai PSU: 100 Panel PSUs of the 275 PSUs visited by NLSS I in 1995/96 were selected with equal probability within each of the four strata. (Mountains: 12 PSUs out of 33, Urban Hills: 18 out of 50, Rural Hills: 33 out of 92, Tarai: 37 out of 100) SSU: 10 households within each PSU Note: Sample households of different year surveys are completely independent.
Sample size and sample allocation	Cross-section data: 4,008 households (334 PSUs) Panel data: 1,232 households (100 PSUs) The samples were equally distributed among three phases. The number of enumerated PSUs was 421 (cross-section 326 and panel 95), and the number of enumerated households was 5,072 (cross-section 3,912 and panel 1,160).
Data collection	Face to face interview (paper and pencil method) The data collection in the field is done from April 2003 to April 2004. Over a complete cycle of 12 months partitioned into three pre-scheduled phases; the first one from April 2003 to July 2003, the second one from August 2003 to November 2003 and the final one from December 2003 to February 2004. Altogether 13 rural PSUs could not be interviewed due to the conflict. Field teams: altogether 16 teams. Each team covered 27 PSUs on average. There was one supervisor, three enumerators and one data entry operator in each team. Of these, at least two female interviewers were included in each team. Each team was provided with the name list of 12 household heads with 6-extra just in case the selected household could not be found.
Data processing	A distinctive feature of NLSS II was the use of computers for data entry in the field. Data entry and verification was conducted within PSU at the time of data

	collection using CSPro software. After the completion of the field work, the team sent the data diskettes back to the central office from the field as soon as possible. Data processing and analysis were done using STATA.
Final report	Nepal Living Standard Survey II 2003/04 Volume I Nepal Living Standard Survey II 2003/04 Volume II
Limitations	● Institutional households are excluded. ● Local unit of measurement was used (with conversion table). ● Data recorded on the basis of respondents recall.

Chapter 3. Data and metadata provided

The following micro data and metadata were provided to Sinfonica by Mr. Mahesh Kumar Subedi, TIU student cum CBS official, based on the Charter for Experimental Laboratory for Research Purpose Statistical Use of Micro Data, on the occasion of the First International Workshop on Analysis of Micro Data of Official Statistics in March 2010.

Type	Filename	Description	Included in this manual
Data	**Cross section data**		
	Folder: Nepal 2003-2004	78 data files in fixed-width text format and one weight file in SAS	
	[1] "weight.sas7bdat" "XT001.dat" "XT002.dat" "XT003.dat" [5] "XT004.dat" "XT005.dat" "XT006.dat" "XT007.dat" [9] "XT008.dat" "XT009.dat" "XT010.dat" "XT011.dat" [13] "XT012.dat" "XT013.dat" "XT014.dat" "XT015.dat" [17] "XT016.dat" "XT017.dat" "XT018.dat" "XT019.dat" [21] "XT020.dat" "XT021.dat" "XT022.dat" "XT023.dat" [25] "XT024.dat" "XT025.dat" "XT026.dat" "XT027.dat" [29] "XT028.dat" "XT029.dat" "XT030.dat" "XT031.dat" [33] "XT032.dat" "XT033.dat" "XT034.dat" "XT035.dat" [37] "XT036.dat" "XT037.dat" "XT038.dat" "XT039.dat" [41] "XT040.dat" "XT041.dat" "XT042.dat" "XT043.dat" [45] "XT044.dat" "XT045.dat" "XT046.dat" "XT047.dat" [49] "XT048.dat" "XT049.dat" "XT050.dat" "XT051.dat" [53] "XT052.dat" "XT053.dat" "XT054.dat" "XT055.dat" [57] "XT056.dat" "XT057.dat" "XT058.dat" "XT059.dat" [61] "XT060.dat" "XT061.dat" "XT062.dat" "XT063.dat" [65] "XT064.dat" "XT065.dat" "XT066.dat" "XT067.dat" [69] "XT068.dat" "XT069.dat" "XT070.dat" "XT071.dat" [73] "XT072.dat" "XT073.dat" "XT074.dat" "XT075.dat" [77] "XT076.dat" "XT077.dat" "XT078.dat"		
	Panel data		
	Folder: Nepal 2003-2004_panel	156 data files in fixed-width text format	
	[1] "PT001.DAT" "PT002.DAT" "PT003.DAT" "PT004.DAT" "PT005.DAT" [6] "PT006.DAT" "PT007.DAT" "PT008.DAT" "PT009.DAT" "PT010.DAT" [11] "PT011.DAT" "PT012.DAT" "PT013.DAT" "PT014.DAT" "PT015.DAT" [16] "PT016.DAT" "PT017.DAT" "PT018.DAT" "PT019.DAT" "PT020.DAT" [21] "PT021.DAT" "PT022.DAT" "PT023.DAT" "PT024.DAT" "PT025.DAT" [26] "PT026.DAT" "PT027.DAT" "PT028.DAT" "PT029.DAT" "PT030.DAT" [31] "PT031.DAT" "PT032.DAT" "PT033.DAT" "PT034.DAT" "PT035.DAT" [36] "PT036.DAT" "PT037.DAT" "PT038.DAT" "PT039.DAT" "PT040.DAT" [41] "PT041.DAT" "PT042.DAT" "PT043.DAT" "PT044.DAT" "PT045.DAT" [46] "PT046.DAT" "PT047.DAT" "PT048.DAT" "PT049.DAT" "PT050.DAT" [51] "PT051.DAT" "PT052.DAT" "PT053.DAT" "PT054.DAT" "PT055.DAT" [56] "PT056.DAT" "PT057.DAT" "PT058.DAT" "PT059.DAT" "PT060.DAT"		

	[61] "PT061.DAT" "PT062.DAT" "PT063.DAT" "PT064.DAT" "PT065.DAT" [66] "PT066.DAT" "PT067.DAT" "PT068.DAT" "PT069.DAT" "PT070.DAT" [71] "PT071.DAT" "PT072.DAT" "PT073.DAT" "PT074.DAT" "PT075.DAT" [76] "PT076.DAT" "PT077.DAT" "PT078.DAT" "RT001.DAT" "RT002.DAT" [81] "RT003.DAT" "RT004.DAT" "RT005.DAT" "RT006.DAT" "RT007.DAT" [86] "RT008.DAT" "RT009.DAT" "RT010.DAT" "RT011.DAT" "RT012.DAT" [91] "RT013.DAT" "RT014.DAT" "RT015.DAT" "RT016.DAT" "RT017.DAT" [96] "RT018.DAT" "RT019.DAT" "RT020.DAT" "RT021.DAT" "RT022.DAT" [101] "RT023.DAT" "RT024.DAT" "RT025.DAT" "RT026.DAT" "RT027.DAT" [106] "RT028.DAT" "RT029.DAT" "RT030.DAT" "RT031.DAT" "RT032.DAT" [111] "RT033.DAT" "RT034.DAT" "RT035.DAT" "RT036.DAT" "RT037.DAT" [116] "RT038.DAT" "RT039.DAT" "RT040.DAT" "RT041.DAT" "RT042.DAT" [121] "RT043.DAT" "RT044.DAT" "RT045.DAT" "RT046.DAT" "RT047.DAT" [126] "RT048.DAT" "RT049.DAT" "RT050.DAT" "RT051.DAT" "RT052.DAT" [131] "RT053.DAT" "RT054.DAT" "RT055.DAT" "RT056.DAT" "RT057.DAT" [136] "RT058.DAT" "RT059.DAT" "RT060.DAT" "RT061.DAT" "RT062.DAT" [141] "RT063.DAT" "RT064.DAT" "RT065.DAT" "RT066.DAT" "RT067.DAT" [146] "RT068.DAT" "RT069.DAT" "RT070.DAT" "RT071.DAT" "RT072.DAT" [151] "RT073.DAT" "RT074.DAT" "RT075.DAT" "RT076.DAT" "RT077.DAT" [156] "RT078.DAT"		
Metadata			
Questionnaire	NLSS2Questionnaire.pdf	74 pages	
Codebook	NLSS2QuestionnaireCodebook.xls NLSS2RecordLayouts.doc		
Others	Conversion Table 1.doc Conversion Table 2.doc	Conversion of weight and area in local unit	
Report	NLSS2ReportVol1.pdf NLSS2ReportVol2.pdf		

Summary:

1. The data set provided to Sinfonica at first had the following limitations.

(Limitation)

1) The data set provided to Sinfonica did not include information on strata nor regional code. Therefore, only analysis at national level was possible.

2) The sum of household weights provided to Sinfonica is about 6% smaller than that described in the paper “Survey design and implementation”.

3) The variables of household income and household expenditure were not included in the provided data set.

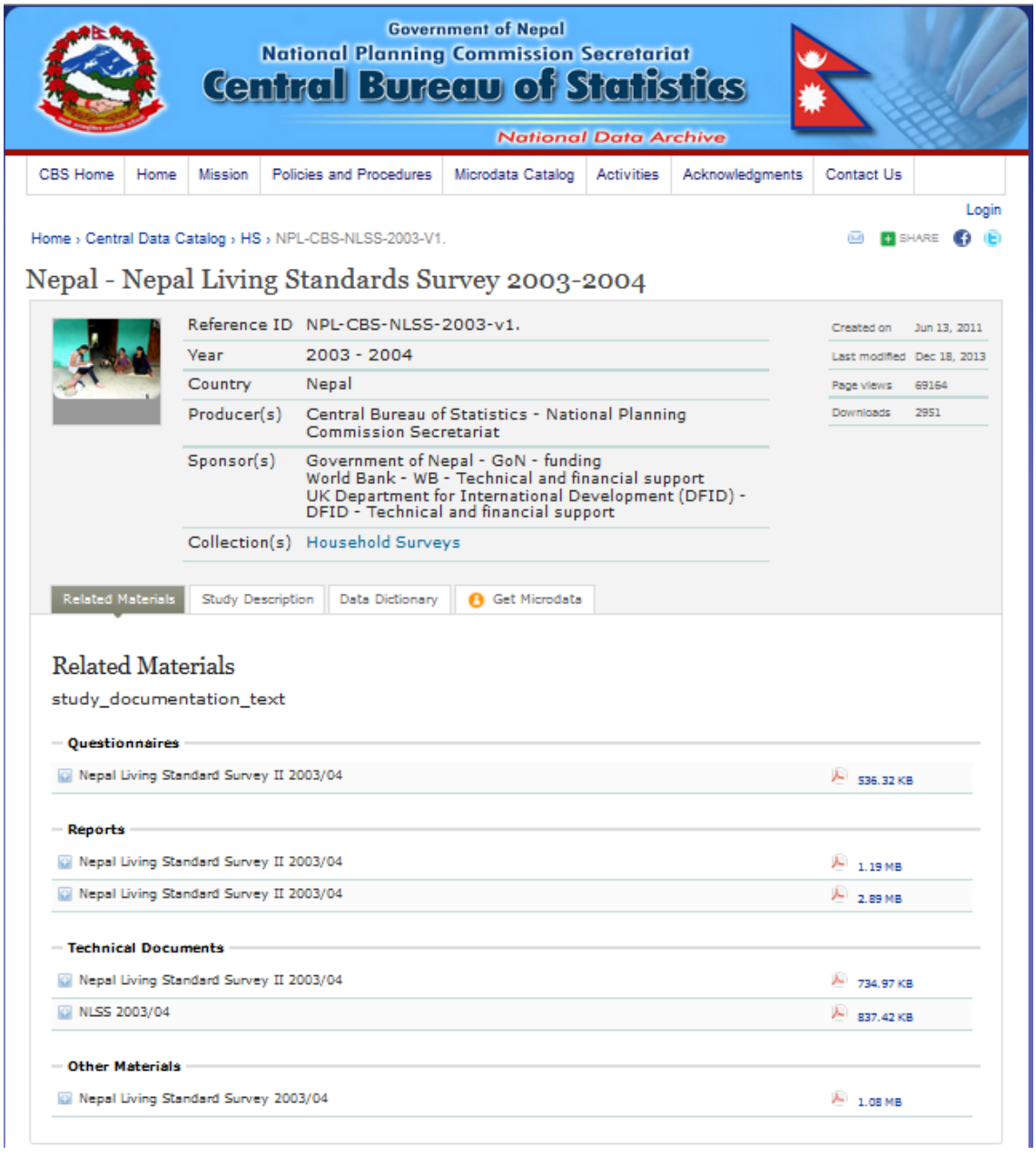
2. On the occasion of the Seventh International Workshop in December 2015, the next two additional files in STATA format were provided to Sinfonica upon request.

File	Description
sample04.dta	It includes 434 records of WWW, of which 334 WWW are for cross-section data. The variables included are WWW, district, urbrural, belt, region, stratum, weight, and so on.
c2_nlssdata.dta	It is a household-level summary file including variables of household income and household expenditure.

References

- **NADA (National Data Archive), Homepage of CBS, Nepal**

  http://cbs.gov.np/nada/index.php/catalog/9 (Accessed on 15 March 2015)



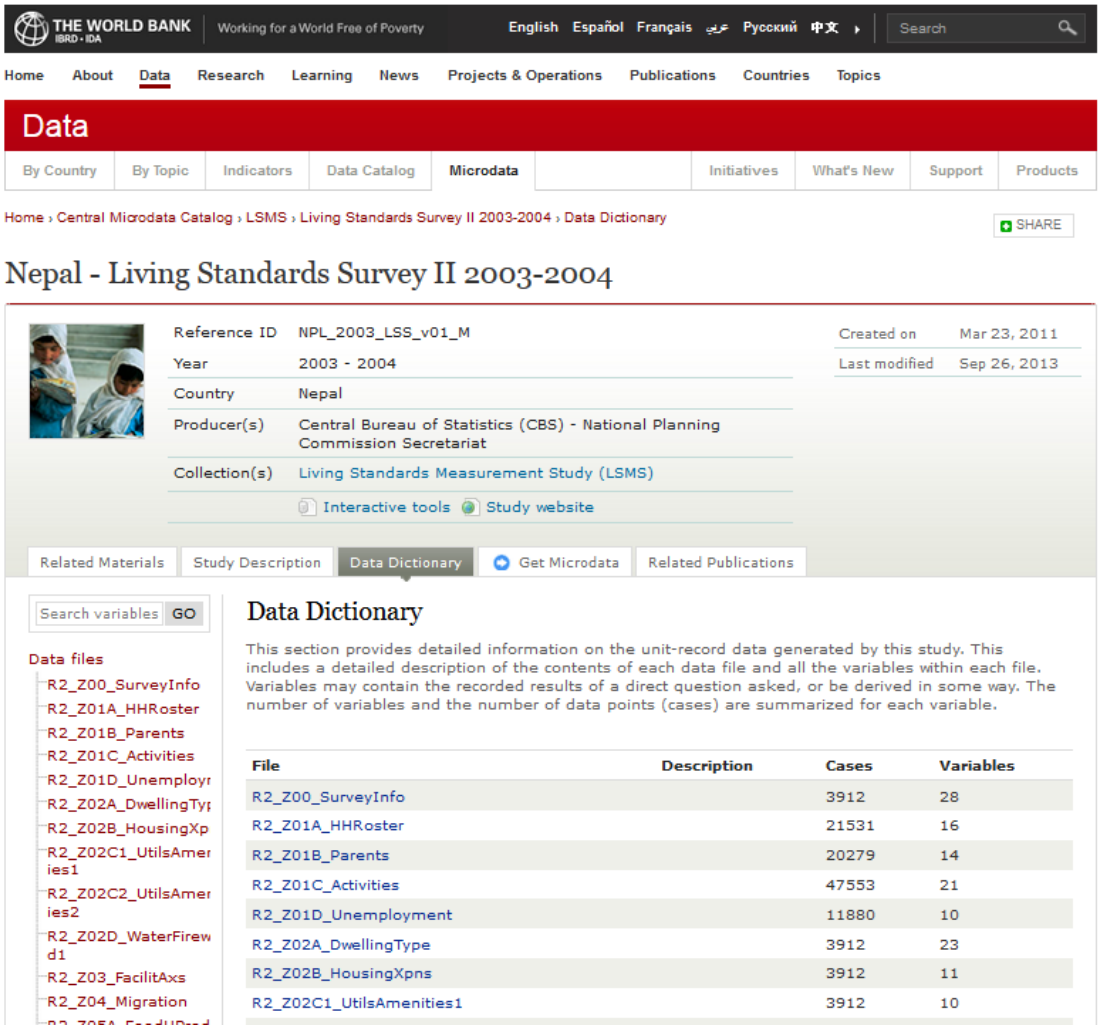
It provides the survey report in English.

□ Homepage of LSMS, World Bank

Microdata Catalog of NLSS II

http://microdata.worldbank.org/index.php/catalog/74/related_citations

(Accessed on 15 March 2015)



Note: The data file “c2_nlss_worldbank” in the above data set includes the variables of total household consumption and total household income, according to the data dictionary.

- **"NLSS II (2003/04): Survey design and implimentation"**

http://microdata.worldbank.org/index.php/catalog/74/download/11546
(Accessed on 15 March 2015)

This document provides a description of how the survey was designed and implemented. It also contains codes for variables not found in the questionnaires, an explanation of how the aggregate variables were created, and information on the Nepalese calendar.

Chapter 4. Data Import

4.1 Weight data

Weight data is provided both in SAS and CSV format; namely, “weight.sas7bdat” and “NLSS2_weight.csv”.

```
# Imported “weight.sas7bdat”
> library(sas7bdat)
> df<-read.sas7bdat("weight.sas7bdat")
> dim(df)
[1] 3912    3
> head(df)
  WWWHH    hhwt    indwt
1 50101 1323.07 7938.42
2 50102 1323.07 6615.35
3 50104 1323.07 3969.21
4 50105 1323.07 5292.28
5 50107 1323.07 6615.35
6 50108 1323.07 3969.21
```

The number of records is 3912. It is the number of enumerated households from cross-sectional sample households.
The weight file has three variables;
WWWHH: Household identifier (WWW: psu number, HH: household number)
hhwt: household weight
indwt: individual weight defined as hhwt multiplied by household size.

```
> sum(df$hhwt)
[1] 4186725
> sum(df$indwt)
[1] 22084154
> sum(df$indwt)/sum(df$hhwt)W
[1] 5.274804
```

The estimated number of households is 4,187 thousands and the estimated number of household members is 22,084 thousands. The average household size is 5.27 persons.

Remarks:

According to the paper “Survey design and implementation”, household weights for all households add up to 4,466,897, which is 6.7% larger than 4,186,725, the aggregation of weights of the provided data set. Because the original weights allocated for the PSU not enumerated due to the conflict were not distributed to other PSUs.

Weights

For the cross-section sample, the household weights are provided in the sample04.dta file in the variable is called “**weight**”. Weights are PSU-specific (i.e. the value of the variable is constant for all households in a PSU). Household weights for all households add up to 4,466,897 which is the estimated number of households in Nepal in 2003/04. Individual weight variable “**c2_indwght**” is provided in the file “c2_nlss_public.dta”, see below. Variable **c2_indwght** is constructed by multiplying household’s weight by the household size.

(at page 7 of “Survey design and implementation”)

For this point, the delegates from Nepal to the seventh workshop explained as follows;

“The sum of household weights is about 6% smaller than that described in the paper “Survey design and implementation” because the total number of PSU is equal to 434. But, we could enumerate only 426 PSUs due to political insurgency and because of extension in the area of national parks and wildlife reserves. At that time, the senior consultant advised to select such type of PSU having same characteristics as that of previous one which are missing or could not be enumerated. But, it was not possible so remaining weight of 8 PSU's could not be allocated. So, sum of total of household weights is about 6% smaller than that described in the paper “Survey design and implementation”. In addition, the interest was to get the estimates of rate and proportions rather than the totals.”

```
> df$WWW<-substr(df$WWWHH,1,3)
> head(df)
  WWWHH    hhwt    indwt WWW
1 50101 1323.07 7938.42 501
2 50102 1323.07 6615.35 501
3 50104 1323.07 3969.21 501
4 50105 1323.07 5292.28 501
5 50107 1323.07 6615.35 501
```

```
6 50108 1323.07 3969.21 501
> length(unique(df$WWW))
[1] 326
> table(tapply(df$hhwt,df$WWW,length))
 12
326
> table(tapply(df$hhwt,df$WWW,function(x) length(unique(x))))
  1
326
```

- There are 326 PSUs. For each PSU, there are 12 enumerated households.

Weight values are unique within each PSU.

4.2 List of data files

RT	Description
1	SURVEY INFORMATION
2	SECTION 1, PART A1: HOUSEHOLD ROSTER
3	SECTION 1, PART B: INFORMATION ON PARENTS
4	SECTION 1, PART C: ACTIVITIES
5	SECTION 1, PART D: UNEMPLOYMENT
6	SECTION 2, PART A: TYPE OF DWELLING
7	SECTION 2, PART B: HOUSING EXPENSES
8	SECTION 2, PART C: UTILITIES and AMENITIES
9	SECTION 2, PART C: UTILITIES and AMENITIES (cont.)
10	SECTION 2, PART D: FIREWOOD
11	SECTION 3: ACCESS TO FACILITIES
12	SECTION 4: MIGRATION
13	SECTION 5: FOOD EXPENSES and HOME PRODUCTION
14	SECTION 5: FOOD EXPENSES AMD HOME PRODUCTION
15	SECTION 6: PART A: FREQUENT NON-FOOD EXPENDITURES
16	SECTION 6: PART B: INFREQUENT NON-FOOD EXPENDITURES
17	SECTION 6: PART C: INVENTORY OF DURABLE GOODS
18	SECTION 6, PART D: OWN ACCOUNT PRODUCTION
19	SECTION 7, PART A: LITERACY
20	SECTION 7, PART B: PAST ENROLLMENT
21	SECTION 7, PART C: CURRENT ENROLLMENT
22	SECTION 8, PART A: CHRONIC ILLNESSES
23	SECTION 8, PART B: INJURIES and ILLNESSES
24	SECTION 8, PART B: INJURIES and ILLNESSES (cont)
25	SECTION 8, PART C: IMMUNIZATIONS
26	SECTION 09, PART A: MATERNITY HISTORY
27	SECTION 09, PART A: MATERNITY HISTORY
28	SECTION 09, PART B: PRE- and POST-NATAL CARE
29	SECTION 09, PART C: FAMILY PLANNING
30	SECTION 10, PART A: WAGE EMPLOYMENT IN AGRICULTURE
31	SECTION 10, PART A: WAGE EMPLOYMENT IN AGRICULTURE
32	SECTION 10, PART B: OUTSIDE AGRICUTURE
33	SECTION 10, PART B: OUTSIDE AGRICUTURE (cont.)
34	SECTION 11, PART A1: LANDHOLDING - LAND OWNED
35	SECTION 11, PART A1: LANDHOLDING - LAND OWNED
36	SECTION 11, PART A1: LANDHOLDING - LAND OWNED
37	SECTION 11, PART A2: LANDHOLDING - LAND SHARECROPPED
38	SECTION 11, PART A2: LANDHOLDING - LAND SHARECROPPED
39	SECTION 11, PART A2: LANDHOLDING - LAND SHARECROPPED
40	SECTION 11, PART A3: LANDHOLDING - INCREASE-DECREASE
41	SECTION 11, PART B: PRODUCTION and DISTRIBUTION
42	SECTION 11, PART B: PRODUCTION and DISTRIBUTION
43	SECTION 11C1: SEEDS and YOUNG PLANTS
44	SECTION 11C1: SEEDS and YOUNG PLANTS

45	SECTION 11C2: FERTILIZERS and INSECTICIDES
46	SECTION 11C2: FERTILIZERS and INSECTICIDES
47	SECTION 11C2: FERTILIZERS and INSECTICIDES
48	SECTION 11C3: EXPENDITURES ON HIRING LABOR
49	SECTION 11C3: EXPENDITURES ON HIRING LABOR
50	SECTION 11C3: EXPENDITURES ON HIRING LABOR
51	SECTION 11, PART D: EARNINGS FROM AGRICULTURE
52	SECTION 11, PART E1: LIVESTOCK OWNERSHIP
53	SECTION 11, PART E1: LIVESTOCK OWNERSHIP
54	SECTION 11, PART E2: EARNINGS FROM LIVESTOCK
55	SECTION 11, PART F: OWNERSHIP OF FARMING ASSETS
56	SECTION 11, PART F: OWNERSHIP OF FARMING ASSETS
57	SECTION 11F: FARMING ASSETS and EXTENSION SERVICE
58	SECTION 12, PART A: GENERAL CHARACTERISTICS
59	SECTION 12, PART A: GENERAL CHARACTERISTICS
60	SECTION 12, PART A: GENERAL CHARACTERISTICS (cont.)
61	SECTION 12, PART B: INCOME FROM ENTERPRISES
62	SECTION 13, PART A: BORROWING
63	SECTION 13, PART A: BORROWING
64	SECTION 13, PART A: BORROWING (cont)
65	SECTION 13, PART B: LENDING
66	SECTION 13, PART B: LENDING
67	SECTION 13, PART B: LENDING
68	SECTION 13, PART C: OTHER ASSETS
69	SECTION 14, PART A: REMITTANCES SENT
70	SECTION 14, PART A: REMITTANCES SENT
71	SECTION 14, PART B: REMITTANCES RECEIVED
72	SECTION 14, PART B: REMITTANCES RECEIVED
73	.SECTION 15: OTHER INCOME
74	SECTION 16: CHILDREN AWAY FROM HOME
75	SECTION 16: CHILDREN AWAY FROM HOME
76	SECTION 17: ADEQUACY OF CONSUMPTION
77	SECTION 18: PANEL SAMPLE HOUSEHOLD TRACKING
78	SECTION 18: PANEL SAMPLE HOUSEHOLD TRACKING

```
> cb<-read.csv("NLSS2QuestionnaireCodebook.csv")
> cb2<-cb[!is.na(cb$RT),]
> cb3<-cb2[cb2$Variable=="RT",]
> filelist<-cb3[c("RT","Description")]
> write.table(filelist,file="clipboard",sep="¥t",row.names=NULL)
```

4.3 Strategy to import micro data into R

✓ The codebook has information of variable name and its position; namely, “From” and “Length”.

	A	B	C	D	E	F	G
1	Variable	RT	From	Length	Dec	Type	Description
2							
3	RT	1	1	3		QNT	SURVEY INFORMATION
4							
5	WWWHH	1	4	5		QNT	Household Identifier
6	WWW	1	4	3		QNT	Primary Sampling Unit
7	HH	1	7	2		QNT	Household Number
8							
9	SERL	1	9	3		QNT	Household Serial No. in the PSU list
10							
11	DINTYY	1	12	2		QNT	Date of interview YY
12							
13	DINTMM	1	14	2		QNT	MM
14							
15	DINTDD	1	16	2		QNT	DD
16							

Where,

Variable is an internal variable label or question number.

RT is the Record Type.

FROM is the starting column of the variable in the record.

LENGTH is the number of columns used by the variable.

DEC is the decimal places.

TYPE specifies the kind of data stored in the variable. The different types are:

- QNT quantitative
- TYP typographic
- QLN qualitative, with numeric codes
- QLA qualitative, with alphanumeric codes
- CHR chronographic dates in the form DDMMYY
- CHQ chronographic dates in the form DDMMYY with ranges

DESCRIPTION is the variable definition.

REMARKS are comments about the variable, such as the encodement (for qualitative variables), whether the variable is allowed to be blank, etc.

4.4 Importing cross-sectional data

Example of xt002

Imported XT002.dta to R as text lines

```
> xt002<-readLines("XT002.dat")
> length(xt002)
[1] 21531
> head(xt002)
[1] "0025010101according to Statistical008101462541102121"
[2] "0025010102Act of Nepal - 2015.    008202462481101121"
[3] "0025010103Names of the respondents00810346208    121"
[4] "0025010104have been ommited from  008203462185   121"
[5] "0025010105public databases, to    008203462135   121"
[6] "0025010106keep confidentiality    00820446204    121"
```

In xt002, respondent's name from 11th column to 34th column is omitted.

Codebook of xt002

```
> cb002<-subset(cb2,RT==2)
> dim(cb002)
[1] 17  9
> cb002$To<-cb002$From+cb002$Length-1
> head(cb002)
    Variable RT From Length Dec Type                          Description
174       RT  2    1      3  NA      SECTION 1, PART A1: HOUSEHOLD ROSTER
176    WWWHH  2    4      5  NA  QNT                 Household Identifier
177      WWW  2    4      3  NA  QNT               Primary Sampling Unit
178       HH  2    7      2  NA  QNT                    Household Number
180      IDC  2    9      2  NA  QNT                         I D C O D E
182      Q01  2   11     24  NA  TYP                               1 Name
    Encodement...Remarks                    X To
174                     Section 01A            3
176                                            8
177                                            6
178                                            8
```

```
180                                                    10
182                                                    34
> rownames(cb002)<-NULL
> cb002[c(1:4,10,5:7)]
   Variable RT From Length To Dec Type                          Description
1        RT  2    1      3  3  NA      SECTION 1, PART A1: HOUSEHOLD ROSTER
2     WWWHH  2    4      5  8  NA  QNT                 Household Identifier
3       WWW  2    4      3  6  NA  QNT               Primary Sampling Unit
4        HH  2    7      2  8  NA  QNT                    Household Number
5       IDC  2    9      2 10  NA  QNT                         I D C O D E
6       Q01  2   11     24 34  NA  TYP                               1 Name
7      Q01A  2   35      3 37  NA  QLN                        D Ethnicity
8       Q02  2   38      1 38  NA  QLN                              2 Sex
9       Q03  2   39      2 40  NA  QLN                      3 Relationship
10     Q04A  2   41      2 42  NA  QLN                  4A District born in
11     Q04B  2   43      1 43  NA  QLN                       4B Urban/Rural
12      Q05  2   44      2 45  NA  QNI                               5 Age
13      Q06  2   46      1 46  NA  QLN                     6 Marital status
14      Q07  2   47      1 47  NA  QLN                    7 Spouse in list?
15      Q08  2   48      2 49  NA  QNT                  8 ID code of spouse
16      Q09  2   50      2 51  NA  QNT                     9 Months at home
17      Q10  2   52      1 52  NA  QLN                    10 Member or not?

> str(cb002)
'data.frame':   17 obs. of  10 variables:
 $ Variable            : Factor w/ 154 levels "","ACT","ASE",..: 148 154 153 23 25 37 38 42 51 61 ...
 $ RT                  : int  2 2 2 2 2 2 2 2 2 2 ...
 $ From                : int  1 4 4 7 9 11 35 38 39 41 ...
 $ Length              : int  3 5 3 2 2 24 3 1 2 2 ...
 $ Dec                 : int  NA NA NA NA NA NA NA NA NA NA ...
 $ Type                : Factor w/ 6 levels "","QLA","QLN",..: 1 5 5 5 5 6 3 3 3 3 ...
 $ Description         : Factor w/ 615 levels "","- Urban/Rural",..: 551 489 536 491 493 26 461
158 205 259 ...
 $ Encodement...Remarks: Factor w/ 415 levels "","!","#","$",..: 1 1 1 1 1 1 19 19 19 19 ...
 $ X                   : Factor w/ 1336 levels "","!","#","$",..: 1042 1 1 1 1 1 240 655 481 1276 ...
 $ To                  : num  3 8 6 8 10 34 37 38 40 42 ...
```

Split text data into fields using codebook

```
> d<-substr(xt002,1,3)
> cn<-"RT"
> for(j in 2:nrow(cb002)){
+ start<-cb002[j,"From"]
+ end<-start+cb002[j,"Length"]-1
+ v<-as.character(substr(xt002,start,end))
+ if(cb002[j,"Type"]!="TYP") v<-as.numeric(v)
+ d<-data.frame(d,v,stringsAsFactors=F)
+ cn<-c(cn,as.character(cb002[j,"Variable"]))
+ }
> colnames(d)<-cn
> head(d)
   RT WWWHH WWW HH IDC                       Q01 Q01A Q02 Q03 Q04A Q04B Q05
1 002 50101 501  1   1 according to Statistical    8   1   1   46    2  54
2 002 50101 501  1   2 Act of Nepal - 2015.       8   2   2   46    2  48
3 002 50101 501  1   3 Names of the respondents    8   1   3   46    2   8
4 002 50101 501  1   4 have been ommited from      8   2   3   46    2  18
5 002 50101 501  1   5 public databases, to        8   2   3   46    2  13
6 002 50101 501  1   6 keep confidentiality        8   2   4   46    2   4
  Q06 Q07 Q08 Q09 Q10
1   1   1   2  12   1
2   1   1   1  12   1
3  NA  NA  NA  12   1
4   5  NA  NA  12   1
5   5  NA  NA  12   1
6  NA  NA  NA  12   1

> str(d)
'data.frame':   21531 obs. of  17 variables:
 $ RT   : chr  "002" "002" "002" "002" ...
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 1 1 2 2 ...
```

```
 $ IDC  : num  1 2 3 4 5 6 7 8 1 2 ...
 $ Q01  : chr  "according to Statistical" "Act of Nepal - 2015.    " "Names of the respondents"
"have been ommited from  " ...
 $ Q01A : num  8 8 8 8 8 8 8 8 8 8 ...
 $ Q02  : num  1 2 1 2 2 2 1 1 2 1 ...
 $ Q03  : num  1 2 3 3 3 4 3 3 1 3 ...
 $ Q04A : num  46 46 46 46 46 46 46 46 46 46 ...
 $ Q04B : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q05  : num  54 48 8 18 13 4 15 20 26 8 ...
 $ Q06  : num  1 1 NA 5 5 NA 5 5 1 NA ...
 $ Q07  : num  1 1 NA NA NA NA NA NA 2 NA ...
 $ Q08  : num  2 1 NA NA NA NA NA NA NA NA ...
 $ Q09  : num  12 12 12 12 12 12 2 1 12 12 ...
 $ Q10  : num  1 1 1 1 1 1 2 2 1 1 ...
```

```
> # List of R data frames
> outfiles<-list()
> for(k in 1:78){
+ # k-th data file in text format
+ infilename<-paste("XT",formatC(k,width=3,flag="0"),".dat",sep="")
+ infile<-readLines(infilename)  # import dta file
+ # codebook of infile
+ codebook<-subset(cb2,RT==k)
+ ########################################
+ # split infile into fields using codebook
+ # df: data frame generated from infile
+ df<-substr(infile,1,3)
+ # cn: variable names
+ cn<-"RT"
+ for(j in 2:nrow(codebook)){
+ start<-codebook[j,"From"]
+ end<-start+codebook[j,"Length"]-1
+ v<-as.character(substr(infile,start,end))
+ if(codebook[j,"Type"]=="QNT") v<-as.numeric(v)
```

```
+ if(codebook[j,"Type"]=="QNI") v<-as.numeric(v)
+ if(codebook[j,"Type"]=="QLN") v<-as.numeric(v)
+ df<-data.frame(df,v,stringsAsFactors=F)
+ cn<-c(cn,as.character(codebook[j,"Variable"]))
+ }
+ colnames(df)<-cn
+ df<-df[-1]  # removed "RT"
+ outfiles<-c(outfiles,list(df))
+ }
> length(outfiles)
[1] 78

# Example
> dim(outfiles[[1]])
[1] 3912   28
> dim(outfiles[[2]])
[1] 21531    16
> head(outfiles[[1]])
  WWWHH WWW HH SERL DINTYY DINTMM DINTDD INTC INTV RESN NEWH OLDH RELI LANG INTP DDE1YY DDE1MM
1 50101 501  1    2     59     12     23 I121    1   NA   NA   NA    1    1    2     59     12
2 50102 501  2    5     59     12     23 I122    1   NA   NA   NA    1    1    2     59     12
3 50104 501  4   11     59     12     25 I123    1   NA   NA   NA    1    1    2     59     12
4 50105 501  5   14     59     12     24 I123    1   NA   NA   NA    1    1    2     59     12
5 50107 501  7   20     59     12     25 I121    1   NA   NA   NA    1    1    2     59     12
6 50108 501  8   23     59     12     26 I121    1   NA   NA   NA    1    1    2     59     12
  DDE1DD DEOP1 DSUPYY DSUPMM DSUPDD SUPC DCORYY DCORMM DCORDD DEOP2 VERI
1     24  D121     59     12     25 S121     59     12     26  D121    1
2     26  D121     59     12     27 S121     59     12     30  D121    1
3     26  D121     59     12     26 S121     59     12     26  D121    1
4     25  D121     59     12     25 S121     59     12     25  D121    1
5     29  D121     59     12     29 S121     59     12     29  D121    1
6     27  D121     59     12     27 S121     59     12     27  D121    1
> head(outfiles[[2]])
  WWWHH WWW HH IDC                      Q01 Q01A Q02 Q03 Q04A Q04B Q05 Q06 Q07 Q08 Q09 Q10
1 50101 501  1   1 according to Statistical    8    1    1   46    2   54    1    1    2   12    1
2 50101 501  1   2 Act of Nepal - 2015.        8    2    2   46    2   48    1    1    1   12    1
```

```
3 50101 501  1   3 Names of the respondents    8   1   3   46    2  08  NA  NA  NA  12   1
4 50101 501  1   4 have been ommited from      8   2   3   46    2  18   5  NA  NA  12   1
5 50101 501  1   5 public databases, to        8   2   3   46    2  13   5  NA  NA  12   1
6 50101 501  1   6 keep confidentiality        8   2   4   46    2  04  NA  NA  NA  12   1
```

Displayed the number of records and variables of each cross-sectional data frame

```
> Rnames<-paste("xt",formatC(1:78,width=3,flag="0"),sep="")
> for(j in 1:78){
+ if(j==1) cat("data frame:   nrow , ncol: description¥n")
+ cat(format(Rnames[j],width=9),":",
+ format(nrow(outfiles[[j]]),width=6),",",
+ format(ncol(outfiles[[j]]),width=3),":",
+ as.character(cb3[j,"Description"]),"¥n")
+ }
data frame:   nrow , ncol: description
xt001     :   3912 ,  28 : SURVEY INFORMATION
xt002     :  21531 ,  16 : SECTION 1, PART A1: HOUSEHOLD ROSTER
xt003     :  20279 ,  14 : SECTION 1, PART B: INFORMATION ON PARENTS
xt004     :  47553 ,  21 : SECTION 1, PART C: ACTIVITIES
xt005     :  11880 ,  10 : SECTION 1, PART D: UNEMPLOYMENT
xt006     :   3912 ,  23 : SECTION 2, PART A: TYPE OF DWELLING
xt007     :   3912 ,  11 : SECTION 2, PART B: HOUSING EXPENSES
xt008     :   3912 ,  10 : SECTION 2, PART C: UTILITIES and AMENITIES
xt009     :   3912 ,  15 : SECTION 2, PART C: UTILITIES and AMENITIES (cont.)
xt010     :   3912 ,  13 : SECTION 2, PART D: FIREWOOD
xt011     :  58680 ,   8 : SECTION 3: ACCESS TO FACILITIES
xt012     :  17752 ,  14 : SECTION 4: MIGRATION
xt013     : 266014 ,  14 : SECTION 5: FOOD EXPENSES and HOME PRODUCTION
xt014     :   7824 ,   7 : SECTION 5: FOOD EXPENSES AMD HOME PRODUCTION
xt015     : 117360 ,   7 : SECTION 6: PART A: FREQUENT NON-FOOD EXPENDITURES
xt016     : 144744 ,   6 : SECTION 6: PART B: INFREQUENT NON-FOOD EXPENDITURES
xt017     :  66505 ,  10 : SECTION 6: PART C: INVENTORY OF DURABLE GOODS
xt018     :  54719 ,   7 : SECTION 6, PART D: OWN ACCOUNT PRODUCTION
xt019     :  17727 ,  10 : SECTION 7, PART A: LITERACY
xt020     :   4902 ,   9 : SECTION 7, PART B: PAST ENROLLMENT
xt021     :   5554 ,  14 : SECTION 7, PART C: CURRENT ENROLLMENT
xt022     :  20269 ,  11 : SECTION 8, PART A: CHRONIC ILLNESSES
xt023     :  20264 ,  15 : SECTION 8, PART B: INJURIES and ILLNESSES
xt024     :  15889 ,  12 : SECTION 8, PART B: INJURIES and ILLNESSES (cont)
xt025     :   2540 ,  16 : SECTION 8, PART C: IMMUNIZATIONS
xt026     :   3641 ,   5 : SECTION 09, PART A: MATERNITY HISTORY
xt027     :  11800 ,  16 : SECTION 09, PART A: MATERNITY HISTORY
xt028     :   1522 ,  15 : SECTION 09, PART B: PRE- and POST-NATAL CARE
xt029     :   3952 ,  16 : SECTION 09, PART C: FAMILY PLANNING
xt030     :   2555 ,  13 : SECTION 10, PART A: WAGE EMPLOYMENT IN AGRICULTURE
xt031     :    284 ,  14 : SECTION 10, PART A: WAGE EMPLOYMENT IN AGRICULTURE
xt032     :   2536 ,  15 : SECTION 10, PART B: OUTSIDE AGRICUTURE
```

```
xt033     :   1492 ,  15 : SECTION 10, PART B: OUTSIDE AGRICUTURE (cont.)
xt034     :   3911 ,   5 : SECTION 11, PART A1: LANDHOLDING - LAND OWNED
xt035     :   8777 ,  14 : SECTION 11, PART A1: LANDHOLDING - LAND OWNED
xt036     :   8777 ,  18 : SECTION 11, PART A1: LANDHOLDING - LAND OWNED
xt037     :   3912 ,   4 : SECTION 11, PART A2: LANDHOLDING - LAND SHARECROPPED
xt038     :   1337 ,  11 : SECTION 11, PART A2: LANDHOLDING - LAND SHARECROPPED
xt039     :   1337 ,  15 : SECTION 11, PART A2: LANDHOLDING - LAND SHARECROPPED
xt040     :   3912 ,  15 : SECTION 11, PART A3: LANDHOLDING - INCREASE-DECREASE
xt041     :  27023 ,  13 : SECTION 11, PART B: PRODUCTION and DISTRIBUTION
xt042     :   2900 ,   4 : SECTION 11, PART B: PRODUCTION and DISTRIBUTION
xt043     :   3018 ,   4 : SECTION 11C1: SEEDS and YOUNG PLANTS
xt044     :   4491 ,   7 : SECTION 11C1: SEEDS and YOUNG PLANTS
xt045     :   3015 ,   4 : SECTION 11C2: FERTILIZERS and INSECTICIDES
xt046     :   7070 ,   9 : SECTION 11C2: FERTILIZERS and INSECTICIDES
xt047     :   1954 ,   5 : SECTION 11C2: FERTILIZERS and INSECTICIDES
xt048     :   3014 ,   4 : SECTION 11C3: EXPENDITURES ON HIRING LABOR
xt049     :   4504 ,  16 : SECTION 11C3: EXPENDITURES ON HIRING LABOR
xt050     :   2972 ,   8 : SECTION 11C3: EXPENDITURES ON HIRING LABOR
xt051     :   3009 ,  26 : SECTION 11, PART D: EARNINGS FROM AGRICULTURE
xt052     :   3912 ,   4 : SECTION 11, PART E1: LIVESTOCK OWNERSHIP
xt053     :  28560 ,  13 : SECTION 11, PART E1: LIVESTOCK OWNERSHIP
xt054     :   2889 ,  16 : SECTION 11, PART E2: EARNINGS FROM LIVESTOCK
xt055     :   3911 ,   4 : SECTION 11, PART F: OWNERSHIP OF FARMING ASSETS
xt056     :  30940 ,  11 : SECTION 11, PART F: OWNERSHIP OF FARMING ASSETS
xt057     :   3825 ,   7 : SECTION 11F: FARMING ASSETS and EXTENSION SERVICE
xt058     :   3911 ,   4 : SECTION 12, PART A: GENERAL CHARACTERISTICS
xt059     :   1365 ,  19 : SECTION 12, PART A: GENERAL CHARACTERISTICS
xt060     :   1365 ,  13 : SECTION 12, PART A: GENERAL CHARACTERISTICS (cont.)
xt061     :   1365 ,  15 : SECTION 12, PART B: INCOME FROM ENTERPRISES
xt062     :   3911 ,   4 : SECTION 13, PART A: BORROWING
xt063     :   4141 ,  10 : SECTION 13, PART A: BORROWING
xt064     :   4141 ,  12 : SECTION 13, PART A: BORROWING (cont)
xt065     :   3911 ,   4 : SECTION 13, PART B: LENDING
xt066     :    880 ,  10 : SECTION 13, PART B: LENDING
xt067     :    880 ,  11 : SECTION 13, PART B: LENDING
xt068     :   3911 ,  15 : SECTION 13, PART C: OTHER ASSETS
xt069     :   3911 ,   4 : SECTION 14, PART A: REMITTANCES SENT
xt070     :    575 ,  14 : SECTION 14, PART A: REMITTANCES SENT
xt071     :   3911 ,   4 : SECTION 14, PART B: REMITTANCES RECEIVED
xt072     :   1497 ,  16 : SECTION 14, PART B: REMITTANCES RECEIVED
xt073     :  10434 ,   7 : SECTION 15: OTHER INCOME"
xt074     :   3886 ,   4 : SECTION 16: CHILDREN AWAY FROM HOME
xt075     :    350 ,  18 : SECTION 16: CHILDREN AWAY FROM HOME
xt076     :   3911 ,  18 : SECTION 17: ADEQUACY OF CONSUMPTION
xt077     :      0 ,  10 : SECTION 18: PANEL SAMPLE HOUSEHOLD TRACKING
xt078     :      0 ,  15 : SECTION 18: PANEL SAMPLE HOUSEHOLD TRACKING
```

Remarks:

- As for xt001 to xt076, the number of records and variables of each data frame are completely the same as those in Data Dictionary of LSMS, World Bank.
- The data files of xt077 and xt078 are empty.

Chapter 5. Data Check

5.1 Variable names and types of each data frame

- Cross section data consists of 76 files; xt001 to xt076.
  Displayed the variable names and variable types of each data frame as below.

Summary:

1) Top three variables; WWWHH, WWW and HH are common.
   WWWHH: Household identifier
   WWW: PSU number
   HH: Household number

2) Naming rule:
   Variable name is set as "Q" plus the question number within the section of the questionnaire.
   Therefore there are many variables with the same name but the different definitions.

3) Almost all variables are numeric. But the next variables are character.

Data frame	Variable	Definition
XT001	INTC	Interviewer
	DEOP1	Operator
	SUPC	Supervisor
	DEOP2	Operator
XT002	Q01	Name (deleted)
XT004	ACT	Activity code
	Q01N	Occupation description (Q01C: coded)
XT027	Q02	Name of child (to be deleted)
XT030	ACT	Activity code
	Q01A	Activity description (Q01B: coded)
XT031	ACT	Activity code
XT032	ACT	Activity code
	Q01A	Activity description (Q01B: coded)
	Q02A	Industry description (Q02B:coded)
XT033	ACT	Activity code
XT059	Q01A	Description of enterprise
	Q01B	Industry description (Q01C: coded)

XT070	Q02	Name of recipient (to be deleted)
XT072	Q02	Name of doner (to be deleted)
XT075	Q02	Name of child (to be deleted)

Data frames: outfiles[[j]] (i=1 to 76)

Names of R data frames: Rnames[j]

```
> for(j in 1:76){
+ cat("¥n","#### ",Rnames[j]," #### ","¥n")
+ print(str(outfiles[[j]]))
+ }
```

```
 ####  xt001  ####
'data.frame':   3912 obs. of  28 variables:
 $ WWWHH : num  50101 50102 50104 50105 50107 ...
 $ WWW   : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH    : num  1 2 4 5 7 8 10 11 13 14 ...
 $ SERL  : num  2 5 11 14 20 23 23 32 38 41 ...
 $ DINTYY: num  59 59 59 59 59 59 59 59 59 59 ...
 $ DINTMM: num  12 12 12 12 12 12 12 12 12 12 ...
 $ DINTDD: num  23 23 25 24 25 26 28 25 24 28 ...
 $ INTC  : chr  "I121" "I122" "I123" "I123" ...
 $ INTV  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ RESN  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ NEWH  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ OLDH  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ RELI  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ LANG  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ INTP  : num  2 2 2 2 2 2 2 2 2 2 ...
 $ DDE1YY: num  59 59 59 59 59 59 59 59 59 59 ...
 $ DDE1MM: num  12 12 12 12 12 12 12 12 12 12 ...
 $ DDE1DD: num  24 26 26 25 29 27 30 26 26 29 ...
 $ DEOP1 : chr  "D121" "D121" "D121" "D121" ...
 $ DSUPYY: num  59 59 59 59 59 59 59 59 59 59 ...
 $ DSUPMM: num  12 12 12 12 12 12 12 12 12 12 ...
 $ DSUPDD: num  25 27 26 25 29 27 30 26 26 29 ...
 $ SUPC  : chr  "S121" "S121" "S121" "S121" ...
 $ DCORYY: num  59 59 59 59 59 59 59 59 59 59 ...
 $ DCORMM: num  12 12 12 12 12 12 12 12 12 12 ...
 $ DCORDD: num  26 30 26 25 29 27 30 27 26 29 ...
 $ DEOP2 : chr  "D121" "D121" "D121" "D121" ...
 $ VERI  : num  1 1 1 1 1 1 1 1 1 1 ...
NULL

####  xt002  ####
'data.frame':   21531 obs. of  16 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
```

```
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 1 1 2 2 ...
 $ IDC  : num  1 2 3 4 5 6 7 8 1 2 ...
 $ Q01  : chr  "according to Statistical" "Act of Nepal - 2015.     " "Names of the
respondents" "have been ommited from  " ...
 $ Q01A : num  8 8 8 8 8 8 8 8 8 8 ...
 $ Q02  : num  1 2 1 2 2 2 1 1 2 1 ...
 $ Q03  : num  1 2 3 3 3 4 3 3 1 3 ...
 $ Q04A : num  46 46 46 46 46 46 46 46 46 46 ...
 $ Q04B : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q05  : num  54 48 8 18 13 4 15 20 26 8 ...
 $ Q06  : num  1 1 NA 5 5 NA 5 5 1 NA ...
 $ Q07  : num  1 1 NA NA NA NA NA NA 2 NA ...
 $ Q08  : num  2 1 NA NA NA NA NA NA NA NA ...
 $ Q09  : num  12 12 12 12 12 12 2 1 12 12 ...
 $ Q10  : num  1 1 1 1 1 1 2 2 1 1 ...
NULL

 ####  xt003  ####
'data.frame':   20279 obs. of  14 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 2 2 2 2 ...
 $ IDC  : num  1 2 3 4 5 6 1 2 3 4 ...
 $ Q01  : num  3 3 1 1 1 2 2 2 2 2 ...
 $ Q02  : num  NA NA 1 1 1 NA NA NA NA NA ...
 $ Q03  : num  17 17 NA NA NA 17 3 1 1 1 ...
 $ Q04A : num  46 46 NA NA NA 46 46 46 46 46 ...
 $ Q04B : num  2 2 NA NA NA 2 2 2 2 2 ...
 $ Q05  : num  3 3 1 1 1 2 2 1 1 1 ...
 $ Q06  : num  NA NA 2 2 2 NA NA 1 1 1 ...
 $ Q07  : num  17 17 NA NA NA 17 17 NA NA NA ...
 $ Q08A : num  46 46 NA NA NA 46 46 NA NA NA ...
 $ Q08B : num  2 2 NA NA NA 2 2 NA NA NA ...
NULL

 ####  xt004  ####
'data.frame':   47553 obs. of  21 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 1 1 1 1 ...
 $ ACT  : chr  "A" "B" "C" "D" ...
 $ IDC  : num  1 1 1 1 1 2 2 2 3 3 ...
 $ Q01N : chr  "Hasiya Kuta Banauni           " "jyalama Kheet Bari Jotne      " "Aafnai Bari
Jotne             " "Nirbha Mukhi Krishi           " ...
 $ Q01C : num  712 921 621 621 916 621 997 742 621 621 ...
 $ Q02  : num  12 4 4 12 12 12 12 2 12 4 ...
 $ Q03  : num  7 3 2 22 3 24 21 13 4 5 ...
 $ Q04  : num  3 7 6 3 2 4 3 5 5 3 ...
 $ Q05  : num  1 0 1 5 0 7 7 0 7 3 ...
 $ Q06H : num  8 NA 6 3 NA 4 3 NA 4 3 ...
 $ Q06T : num  8 NA 6 15 NA 28 21 NA 28 9 ...
 $ Q07  : num  1 1 1 1 1 1 NA 1 1 1 ...
 $ Q08A : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q08B : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q09A : num  NA 1 NA NA NA NA NA NA NA NA ...
```

```
 $ Q09B : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q09C : num  NA NA 1 1 NA 1 NA NA 1 1 ...
 $ Q09D : num  1 NA NA NA NA NA NA NA NA NA ...
 $ Q09E : num  NA NA NA NA 1 NA NA 1 NA NA ...
NULL

 ####  xt005  ####
'data.frame':   11880 obs. of  10 variables:
 $ WWWHH: num  50101 50101 50101 50101 50102 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 2 2 2 4 5 5 ...
 $ IDC  : num  1 2 3 5 2 3 5 2 1 3 ...
 $ Q01  : num  NA NA NA NA 2 2 2 2 NA 2 ...
 $ Q02  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q03  : num  NA NA NA NA 1 1 3 1 NA 1 ...
 $ Q04  : num  1 2 2 2 NA NA NA NA 2 NA ...
 $ Q05  : num  1 NA NA NA NA NA NA NA NA NA ...
 $ Q06  : num  NA 8 7 7 NA NA NA NA 9 NA ...
NULL

 ####  xt006  ####
'data.frame':   3912 obs. of  23 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q02A : num  4 1 5 3 4 5 5 1 5 2 ...
 $ Q02B : num  0 0 1 0 1 1 1 0 1 0 ...
 $ Q02C : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q02D : num  1 0 1 1 1 1 2 0 2 0 ...
 $ Q02E : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q02F : num  0 0 1 0 0 0 0 0 0 0 ...
 $ Q02G : num  3 1 1 2 1 2 1 0 1 1 ...
 $ Q02H : num  0 0 1 0 1 1 1 1 1 1 ...
 $ Q03  : num  1 1 1 1 2 1 2 2 1 1 ...
 $ Q04  : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q05  : num  1 1 1 2 1 1 1 1 1 1 ...
 $ Q06  : num  1 2 4 4 1 4 1 1 4 1 ...
 $ Q07  : num  1 2 2 1 2 2 2 2 2 2 ...
 $ Q08A : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q08B : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q08C : num  11 2 12 9 5 6 7 2 8 2 ...
 $ Q08D : num  0 0 0 2 0 0 0 0 0 0 ...
 $ Q09  : num  592 324 546 504 182 210 272 306 472 105 ...
 $ Q10  : num  1 1 1 1 1 2 2 1 1 2 ...
NULL

 ####  xt007  ####
'data.frame':   3912 obs. of  11 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q02  : num  60000 22000 100000 185000 35000 100000 85000 50000 150000 15000 ...
 $ Q03  : num  350 200 400 200 400 600 500 400 1000 100 ...
 $ Q04  : num  2 2 2 2 2 2 2 2 2 2 ...
```

```
 $ Q05  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q06  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q07  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q08  : num  NA NA NA NA NA NA NA NA NA NA ...
NULL

 ####  xt008  ####
'data.frame':   3912 obs. of  10 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  4 3 1 1 1 1 1 1 1 1 ...
 $ Q02  : num  NA NA 1 2 2 2 1 2 1 2 ...
 $ Q03  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q04  : num  4 4 4 4 4 4 4 4 4 4 ...
 $ Q05  : num  5 5 3 3 5 5 5 5 5 5 ...
 $ Q06  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q07  : num  5 5 5 5 5 5 5 5 5 5 ...
NULL

 ####  xt009  ####
'data.frame':   3912 obs. of  15 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q08  : num  2 2 2 2 2 2 3 2 2 2 ...
 $ Q09  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q10  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q11A : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q11B : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q11C : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q11D : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q11E : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q11F : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q12  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q13  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q14  : num  1 1 3 3 1 1 1 1 1 1 ...
NULL

 ####  xt010  ####
'data.frame':   3912 obs. of  13 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q02  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q03A : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q03B : num  8 4 8 5 12 14 10 2 3 5 ...
 $ Q04A : num  4 4 3 1 1 2 1 3 1 3 ...
 $ Q04B : num  0 0 0 45 0 30 30 0 30 0 ...
 $ Q05  : num  3 3 1 1 1 1 1 3 1 1 ...
 $ Q06  : num  0 0 NA NA NA NA NA 0 NA NA ...
 $ Q07  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q08  : num  1 3 1 1 1 1 1 3 1 1 ...
NULL
```

```
 ####  xt011  ####
'data.frame':   58680 obs. of  8 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q01  : num  101 102 103 104 105 106 107 108 109 110 ...
 $ Q02  : num  1 1 1 5 1 6 1 5 5 1 ...
 $ Q03A : num  0 0 0 0 0 NA 0 0 0 0 ...
 $ Q03B : num  0 1 0 5 0 NA 0 2 2 3 ...
 $ Q03C : num  15 0 30 0 45 NA 45 30 30 0 ...
NULL

####  xt012  ####
'data.frame':   17752 obs. of  14 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 2 2 2 2 4 ...
 $ IDC  : num  1 2 3 4 5 1 2 3 5 1 ...
 $ Q01  : num  2 2 2 2 2 2 2 2 1 1 ...
 $ Q02A : num  NA NA NA NA NA NA NA NA 46 46 ...
 $ Q02B : num  NA NA NA NA NA NA NA NA 2 2 ...
 $ Q03  : num  NA NA NA NA NA NA NA NA 13 13 ...
 $ Q04  : num  NA NA NA NA NA NA NA NA 2 1 ...
 $ Q05  : num  NA NA NA NA NA NA NA NA NA 997 ...
 $ Q06  : num  NA NA NA NA NA NA NA NA 1 1 ...
 $ Q07  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q08  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q09  : num  NA NA NA NA NA NA NA NA NA NA ...
NULL

 ####  xt013  ####
'data.frame':   266014 obs. of  14 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 1 1 1 1 ...
 $ ITM  : num  11 12 13 14 15 16 17 18 21 22 ...
 $ Q01  : num  2 1 1 1 1 1 2 1 2 2 ...
 $ Q02  : num  NA 0 0 6 6 4 NA 2 NA NA ...
 $ Q03A : num  NA NA NA 25 4 10 NA NA NA NA ...
 $ Q03B : num  NA NA NA 6 6 6 NA NA NA NA ...
 $ Q04  : num  NA NA NA 1000 120 400 NA 188 NA NA ...
 $ Q05  : num  NA 6 7 0 0 2 NA 0 NA NA ...
 $ Q06A : num  NA 100 2 NA NA 25 NA NA NA NA ...
 $ Q06B : num  NA 1 1 NA NA 6 NA NA NA NA ...
 $ Q07  : num  NA 1500 44 NA NA 1000 NA NA NA NA ...
 $ Q08  : num  NA 1500 0 800 0 120 NA 0 NA NA ...
NULL

 ####  xt014  ####
'data.frame':   7824 obs. of  7 variables:
 $ WWWHH: num  50101 50101 50102 50102 50104 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 2 2 4 4 5 5 7 7 ...
 $ ITM  : num  140 150 140 150 140 150 140 150 140 150 ...
 $ Q04  : num  4539 4800 2725 2500 1846 ...
 $ Q07  : num  3875 2500 1601 2200 4887 ...
```

```
 $ Q08  : num  3138 2600 959 500 360 ...
NULL

 ####  xt015  ####
'data.frame':   117360 obs. of  7 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 1 1 1 1 ...
 $ ITM  : num  210 211 212 213 214 215 220 221 222 223 ...
 $ Q01  : num  1 1 1 2 2 1 1 1 1 1 ...
 $ Q02  : num  90 60 20 NA NA 10 318 0 0 0 ...
 $ Q03  : num  1065 680 260 NA NA ...
NULL

 ####  xt016  ####
'data.frame':   144744 obs. of  6 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 1 1 1 1 ...
 $ ITM  : num  310 311 312 313 314 315 316 317 318 319 ...
 $ Q01  : num  1 2 1 2 2 2 2 2 2 2 ...
 $ Q02  : num  12 NA 12 NA NA NA NA NA NA NA ...
NULL

 ####  xt017  ####
'data.frame':   66505 obs. of  10 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 1 1 1 1 ...
 $ ITM  : num  501 502 503 504 505 506 507 508 509 510 ...
 $ Q01  : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q02  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q03  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q04  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q05  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q06  : num  NA NA NA NA NA NA NA NA NA NA ...
NULL

 ####  xt018  ####
'data.frame':   54719 obs. of  7 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 1 1 1 1 ...
 $ ITM  : num  600 601 602 603 604 605 606 607 608 609 ...
 $ Q01  : num  1 2 1 2 1 2 1 2 2 1 ...
 $ Q02  : num  75 NA 0 NA 0 NA 0 NA NA 75 ...
 $ Q03  : num  8300 NA 250 NA 7000 NA 50 NA NA 1000 ...
NULL

 ####  xt019  ####
'data.frame':   17727 obs. of  10 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 2 2 2 2 4 ...
 $ IDC  : num  1 2 3 4 5 1 2 3 5 1 ...
 $ Q01  : num  1 1 1 1 1 1 1 1 1 1 ...
```

```
 $ Q02  : num  2 2 1 2 1 2 1 2 2 1 ...
 $ Q03  : num  NA NA 1 NA 1 NA 2 NA NA 1 ...
 $ Q04  : num  NA NA 1 NA 1 NA NA NA NA 1 ...
 $ Q05  : num  1 1 3 1 3 1 3 1 1 2 ...
 $ Q06  : num  6 6 NA 6 NA 7 NA 9 4 NA ...
NULL

####  xt020  ####
'data.frame':   4902 obs. of  9 variables:
 $ WWWHH: num  50104 50107 50107 50108 50110 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 502 ...
 $ HH   : num  4 7 7 8 10 13 16 16 17 1 ...
 $ IDC  : num  1 1 2 1 2 1 1 3 1 2 ...
 $ Q01  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q02  : num  5 5 11 8 3 9 1 5 3 9 ...
 $ Q03  : num  6 7 6 6 4 5 1 7 4 5 ...
 $ Q04  : num  7 7 15 9 NA 10 NA 7 NA 9 ...
 $ Q05  : num  4 4 4 4 10 4 8 5 3 5 ...
NULL

 ####  xt021  ####
'data.frame':   5554 obs. of  14 variables:
 $ WWWHH: num  50101 50101 50102 50104 50105 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 2 4 5 5 7 7 7 10 ...
 $ IDC  : num  3 5 2 2 2 3 3 4 5 3 ...
 $ Q01  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q02  : num  2 5 1 1 7 1 3 1 1 5 ...
 $ Q03  : num  4 8 0 0 6 0 4 2 0 6 ...
 $ Q04  : num  NA NA NA NA 7 NA NA NA NA NA ...
 $ Q05  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q06A : num  0 0 0 0 1 0 0 0 0 2 ...
 $ Q06B : num  15 15 25 2 45 5 10 10 10 0 ...
 $ Q07  : num  300 500 200 7 1120 80 250 150 100 900 ...
 $ Q08  : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q09  : num  NA NA NA NA NA NA NA NA NA NA ...
NULL

 ####  xt022  ####
'data.frame':   20269 obs. of  11 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 2 2 2 2 ...
 $ IDC  : num  1 2 3 4 5 6 1 2 3 4 ...
 $ Q01  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q02  : num  2 1 2 2 2 2 2 2 2 2 ...
 $ Q03  : num  NA 1 NA NA NA NA NA NA NA NA ...
 $ Q04  : num  NA 5 NA NA NA NA NA NA NA NA ...
 $ Q05  : num  NA 1250 NA NA NA NA NA NA NA NA ...
 $ Q06  : num  NA 90 NA NA NA NA NA NA NA NA ...
 $ Q07  : num  1 2 1 1 1 2 1 2 2 2 ...
NULL

####  xt023  ####
'data.frame':   20264 obs. of  15 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
```

```
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 2 2 2 2 ...
 $ IDC  : num  1 2 3 4 5 6 1 2 3 4 ...
 $ Q01A : num  58 59 99 99 99 99 59 99 59 59 ...
 $ Q01B : num  NA 5 NA NA NA NA 11 NA 11 7 ...
 $ Q01C : num  NA 18 NA NA NA NA 19 NA 15 12 ...
 $ Q02  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q03  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q04  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q05  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q06A : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q06B : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q06C : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q06D : num  NA NA NA NA NA NA NA NA NA NA ...
NULL

 ####  xt024  ####
'data.frame':   15889 obs. of  12 variables:
 $ WWWHH: num  50101 50101 50101 50101 50102 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 2 2 4 5 5 7 ...
 $ IDC  : num  1 2 4 5 1 5 1 1 2 1 ...
 $ Q07  : num  NA NA NA NA NA 0 NA NA NA NA ...
 $ Q08  : num  NA NA NA NA NA 1 NA NA NA NA ...
 $ Q09  : num  NA NA NA NA NA 2 NA NA NA NA ...
 $ Q10  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q11  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q12  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q13  : num  2 2 2 2 2 2 1 1 1 1 ...
 $ Q14  : num  NA NA NA NA NA NA 1 5 1 1 ...
NULL

 ####  xt025  ####
'data.frame':   2540 obs. of  16 variables:
 $ WWWHH: num  50101 50102 50104 50105 50108 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 502 502 ...
 $ HH   : num  1 2 4 5 8 8 13 17 5 8 ...
 $ IDC  : num  6 4 3 4 2 3 5 6 5 5 ...
 $ Q01  : num  1 1 1 1 1 1 1 2 1 1 ...
 $ Q02  : num  1 1 1 1 1 1 1 NA 1 2 ...
 $ Q03A : num  1 1 1 1 1 1 1 NA 1 NA ...
 $ Q03B : num  1 1 1 1 1 1 1 NA 1 NA ...
 $ Q03C : num  1 1 1 1 1 1 1 NA 1 NA ...
 $ Q03D : num  1 1 1 1 1 1 1 NA 1 NA ...
 $ Q03E : num  1 1 1 1 1 1 1 NA 1 NA ...
 $ Q03F : num  1 1 1 1 1 1 1 NA 1 NA ...
 $ Q03G : num  1 1 1 1 1 1 1 NA 1 NA ...
 $ Q03H : num  1 1 1 1 1 1 1 NA 1 NA ...
 $ Q04  : num  8 8 8 8 8 8 8 NA 8 8 ...
 $ Q05  : num  5 1 1 1 1 1 1 NA 5 5 ...
NULL

 ####  xt026  ####
'data.frame':   3641 obs. of  5 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
```

```
 $ HH   : num  1 2 4 5 7 8 10 13 16 17 ...
 $ IDC  : num  2 1 1 1 1 1 1 1 2 2 ...
 $ IDR  : num  2 1 1 1 1 1 1 1 2 2 ...
NULL

####  xt027  ####
'data.frame':   11800 obs. of  16 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 1 2 2 2 ...
 $ IDC  : num  2 2 2 2 2 2 2 1 1 1 ...
 $ BIR  : num  1 2 3 4 5 6 7 1 2 3 ...
 $ Q01A : num  10 8 3 9 2 12 12 7 1 12 ...
 $ Q01B : num  30 33 39 41 44 46 51 51 54 55 ...
 $ Q02  : chr  "Amrita B.K.              " "Parbata B.K.             " "Lal B. B. K.
" "Shanta B. K.             " ...
 $ Q03  : num  2 2 1 2 1 2 1 1 1 1 ...
 $ Q04  : num  2 1 1 1 1 1 1 1 1 1 ...
 $ Q05  : num  NA 2 2 1 2 1 1 1 1 1 ...
 $ Q06  : num  NA NA NA 4 NA 5 3 2 3 4 ...
 $ Q07A : num  2 NA NA NA NA NA NA NA NA NA ...
 $ Q07B : num  0 NA NA NA NA NA NA NA NA NA ...
 $ Q07C : num  0 NA NA NA NA NA NA NA NA NA ...
 $ Q08  : num  NA 17 3 NA 3 NA NA NA NA NA ...
NULL

 ####  xt028  ####
'data.frame':   1522 obs. of  15 variables:
 $ WWWHH: num  50104 50105 50108 50117 50208 ...
 $ WWW  : num  501 501 501 501 502 502 502 502 503 503 ...
 $ HH   : num  4 5 8 17 8 10 11 14 1 5 ...
 $ IDC  : num  1 1 1 2 4 10 4 3 2 1 ...
 $ Q01  : num  1 1 1 2 1 1 1 1 2 2 ...
 $ Q02  : num  1 1 2 NA 2 2 2 2 NA NA ...
 $ Q03  : num  3 3 2 NA 2 2 2 3 NA NA ...
 $ Q04  : num  4 4 4 NA 6 5 4 6 NA NA ...
 $ Q05  : num  1 1 1 NA 1 1 1 1 NA NA ...
 $ Q06  : num  3 2 2 NA 3 2 2 2 NA NA ...
 $ Q07  : num  3 1 1 1 1 1 1 1 1 1 ...
 $ Q08  : num  4 3 2 2 1 1 1 1 1 1 ...
 $ Q09  : num  2 2 1 2 2 1 2 2 2 1 ...
 $ Q10  : num  NA NA 7 NA NA 2 NA NA NA 3 ...
 $ Q11  : num  NA NA 2 NA NA 2 NA NA NA 2 ...
NULL

####  xt029  ####
'data.frame':   3952 obs. of  16 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 10 13 16 ...
 $ IDC  : num  2 1 1 1 1 1 1 2 1 2 ...
 $ Q01  : num  10 15 13 17 20 16 18 14 15 15 ...
 $ Q02  : num  2 2 1 1 1 1 2 2 1 2 ...
 $ Q03  : num  NA NA 1 6 1 2 NA NA 1 NA ...
 $ Q04  : num  NA NA 2 2 2 2 NA NA 1 NA ...
 $ Q05  : num  NA NA NA NA NA NA NA NA 2 NA ...
```

```
 $ Q06  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q07  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q08  : num  NA NA 8 4 8 3 NA NA 3 NA ...
 $ Q09  : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q10T : num  3 2 2 3 4 2 3 3 3 2 ...
 $ Q10B : num  2 1 1 2 2 1 2 1 2 1 ...
 $ Q10G : num  1 1 1 1 2 1 1 2 1 1 ...
NULL

 ####  xt030  ####
'data.frame':   2555 obs. of  13 variables:
 $ WWWHH: num  50101 50101 50102 50102 50102 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 2 2 2 2 7 7 11 16 ...
 $ ACT  : chr  "B" "L" "B" "C" ...
 $ IDC  : num  1 4 1 1 1 1 1 2 1 2 ...
 $ Q01A : chr  "Jyalama Kheet Jotni           " "Krishima Jyaladari            " "Dhan Katni
" "Makai Vachni                  " ...
 $ Q01B : num  921 921 921 921 921 921 921 921 921 921 ...
 $ Q02  : num  2 1 1 1 1 1 1 1 1 1 ...
 $ Q03  : num  NA 50 50 50 50 50 50 100 0 40 ...
 $ Q04A : num  NA 4 4 4 4 4 4 4 5 4 ...
 $ Q04B : num  NA NA NA NA NA NA NA NA 4 NA ...
 $ Q05A : num  NA 10 20 25 25 25 10 10 60 30 ...
 $ Q05B : num  NA 0 75 75 75 75 0 0 10 0 ...
NULL

 ####  xt031  ####
'data.frame':   284 obs. of  14 variables:
 $ WWWHH: num  50101 50510 50510 51001 51001 ...
 $ WWW  : num  501 505 505 510 510 510 510 510 510 510 ...
 $ HH   : num  1 10 10 1 1 2 4 5 13 13 ...
 $ ACT  : chr  "B" "C" "L" "G" ...
 $ Q06  : num  800 2500 2500 NA NA NA NA NA NA NA ...
 $ Q07A : num  3 1 1 NA NA NA NA NA NA NA ...
 $ Q07B : num  NA 4 4 NA NA NA NA NA NA NA ...
 $ Q08A : num  15 20 20 NA NA NA NA NA NA NA ...
 $ Q08B : num  450 150 150 NA NA NA NA NA NA NA ...
 $ Q09  : num  1 1 1 NA NA NA NA NA NA NA ...
 $ Q10  : num  2 1 1 NA NA NA NA NA NA NA ...
 $ Q11  : num  2 2 2 NA NA NA NA NA NA NA ...
 $ Q12  : num  2 1 1 NA NA NA NA NA NA NA ...
 $ Q13  : num  NA NA NA 4200 2200 2600 1900 4000 2400 1840 ...
NULL

 ####  xt032  ####
'data.frame':   2536 obs. of  15 variables:
 $ WWWHH: num  50116 50211 50214 50216 50302 ...
 $ WWW  : num  501 502 502 502 503 503 503 503 503 503 ...
 $ HH   : num  16 11 14 16 2 4 4 7 7 8 ...
 $ ACT  : chr  "B" "C" "C" "A" ...
 $ IDC  : num  1 1 2 1 1 2 1 1 3 3 ...
 $ Q01A : chr  "Garo Lagauni                  " "Bato Banaune Majduri          " "Dakarmi
" "Teacher                       " ...
 $ Q01B : num  713 931 713 233 931 915 915 712 931 931 ...
```

```
 $ Q02A : chr  "Nirman                          " "Sarbajanik Sadak              " "Ghar Nirman
" "Shiksha                        " ...
 $ Q02B : num  45 45 45 80 45 93 93 45 45 45 ...
 $ Q03  : num  1 1 1 2 1 1 1 1 1 3 ...
 $ Q04  : num  110 100 100 NA 140 100 100 150 120 NA ...
 $ Q05A : num  4 7 4 NA 7 7 7 4 4 NA ...
 $ Q05B : num  NA NA 7 NA NA NA NA 7 7 NA ...
 $ Q06A : num  30 NA 40 NA NA NA NA 40 40 NA ...
 $ Q06B : num  0 NA 0 NA NA NA NA 0 0 NA ...
NULL

 ####  xt033  ####
'data.frame':   1492 obs. of  15 variables:
 $ WWWHH: num  50216 50308 50311 50313 50407 ...
 $ WWW  : num  502 503 503 503 504 504 504 504 505 505 ...
 $ HH   : num  16 8 11 13 7 7 11 11 8 8 ...
 $ ACT  : chr  "A" "O" "C" "D" ...
 $ Q07A : num  4100 NA 4000 NA NA 2500 3100 2100 NA NA ...
 $ Q07B : num  0 NA 0 NA NA 0 0 0 NA NA ...
 $ Q07C : num  4100 NA 4000 NA NA 1000 2500 1000 NA NA ...
 $ Q07D : num  0 NA 0 NA NA 500 0 0 NA NA ...
 $ Q07E : num  0 NA 13200 NA NA 0 0 0 NA NA ...
 $ Q08  : num  2 NA 2 NA NA 2 2 2 NA NA ...
 $ Q09  : num  1 NA 1 NA NA 2 2 2 NA NA ...
 $ Q10  : num  1 NA 1 NA NA 2 2 2 NA NA ...
 $ Q11  : num  2 NA 1 NA NA 2 2 2 NA NA ...
 $ Q12  : num  2 NA 3 NA NA 2 2 2 NA NA ...
 $ Q13  : num  NA 5000 NA 56000 80000 NA NA NA 3000 8000 ...
NULL

 ####  xt034  ####
'data.frame':   3911 obs. of  5 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ RID  : num  1 1 1 1 2 1 1 1 1 1 ...
 $ Q01  : num  1 1 1 1 1 1 1 1 1 1 ...
NULL

 ####  xt035  ####
'data.frame':   8777 obs. of  14 variables:
 $ WWWHH: num  50101 50101 50102 50104 50104 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 2 4 4 4 4 4 4 5 ...
 $ PNO  : num  1 2 1 1 2 3 4 5 6 1 ...
 $ Q03A : num  25 4 3 1 2 2 1 3 8 3 ...
 $ Q03B : num  0 8 0 8 0 0 8 0 0 4 ...
 $ Q03C : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q03D : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q04  : num  47 46 46 46 46 46 46 46 46 46 ...
 $ Q05  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q06  : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q07  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q08  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q09  : num  200000 25000 30000 25000 35000 15000 10000 15000 42500 60000 ...
NULL
```

```
 ####  xt036  ####
'data.frame':   8777 obs. of  18 variables:
 $ WWWHH: num  50101 50101 50102 50104 50104 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 2 4 4 4 4 4 4 5 ...
 $ PNO  : num  1 2 1 1 2 3 4 5 6 1 ...
 $ Q1O  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q11C : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q11K : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q12A : num  4 64 4 4 NA 27 64 64 64 4 ...
 $ Q12B : num  NA NA 8 22 NA 9 NA NA NA 27 ...
 $ Q12C : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q12D : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q13  : num  1 5 1 1 1 1 5 5 5 1 ...
 $ Q14C : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q14K : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q15A : num  6 NA 6 6 6 6 NA NA NA 6 ...
 $ Q15B : num  21 NA NA 21 21 NA NA NA NA 45 ...
 $ Q15C : num  NA NA NA NA 45 NA NA NA NA NA ...
 $ Q15D : num  NA NA NA NA NA NA NA NA NA NA ...
NULL

 ####  xt037  ####
'data.frame':   3912 obs. of  4 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  1 2 2 2 2 2 2 2 2 2 ...
NULL

 ####  xt038  ####
'data.frame':   1337 obs. of  11 variables:
 $ WWWHH: num  50101 50204 50401 50408 50502 ...
 $ WWW  : num  501 502 504 504 505 505 505 505 507 507 ...
 $ HH   : num  1 4 1 8 2 3 8 11 11 11 ...
 $ PNO  : num  1 1 1 1 1 1 1 1 1 2 ...
 $ Q03  : num  1 1 1 4 1 1 1 1 1 1 ...
 $ Q04  : num  NA NA NA 0 NA NA NA NA NA NA ...
 $ Q05A : num  2 6 0 0 3 0 1 2 10 1 ...
 $ Q05B : num  0 0 6 1 4 10 0 0 0 0 ...
 $ Q05C : num  0 0 0 10 0 0 0 0 0 0 ...
 $ Q05D : num  1 1 2 2 2 2 2 2 1 1 ...
 $ Q06  : num  1 2 2 2 2 1 2 2 2 2 ...
NULL

 ####  xt039  ####
'data.frame':   1337 obs. of  15 variables:
 $ WWWHH: num  50101 50204 50401 50408 50502 ...
 $ WWW  : num  501 502 504 504 505 505 505 505 507 507 ...
 $ HH   : num  1 4 1 8 2 3 8 11 11 11 ...
 $ PNO  : num  1 1 1 1 1 1 1 1 1 2 ...
 $ Q07  : num  2 1 1 1 1 2 2 2 1 2 ...
 $ Q08  : num  NA 2 1 2 1 NA NA NA 2 NA ...
 $ Q09  : num  NA 2 1 1 2 NA NA NA 2 NA ...
 $ Q10A : num  8 4 5 44 4 5 6 5 4 4 ...
```

```
 $ Q10B : num  NA 22 4 NA 6 NA NA NA 15 8 ...
 $ Q10C : num  NA NA 22 NA NA NA NA NA NA NA ...
 $ Q10D : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q11A : num  6 2 2 2 2 2 2 2 2 6 ...
 $ Q11B : num  NA 12 NA 6 12 NA NA NA 11 11 ...
 $ Q11C : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q11D : num  NA NA NA NA NA NA NA NA NA NA ...
NULL

 ####  xt040  ####
'data.frame':   3912 obs. of  15 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q02A : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q02B : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q02C : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q02D : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q03  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q04  : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q05A : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q05B : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q05C : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q05D : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q06  : num  NA NA NA NA NA NA NA NA NA NA ...
NULL

 ####  xt041  ####
'data.frame':   27023 obs. of  13 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 2 2 2 2 4 ...
 $ CCD  : num  4 6 8 21 64 4 6 7 8 4 ...
 $ Q02  : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q03A : num  6 6 6 6 1 6 5 5 6 5 ...
 $ Q03B : num  12 120 32 10 400 10 4 4 10 1 ...
 $ Q03C : num  0 0 16 0 0 0 0 0 0 0 ...
 $ Q03D : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q04A : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q04B : num  0 0 0 0 0 0 0 0 0 NA ...
 $ Q04C : num  0 0 0 0 0 0 0 0 0 NA ...
 $ Q04D : num  0 0 0 0 0 0 0 0 0 0 ...
NULL

 ####  xt042  ####
'data.frame':   2900 obs. of  4 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ TCS  : num  0 0 0 0 0 0 2000 750 0 0 ...
NULL

 ####  xt043  ####
'data.frame':   3018 obs. of  4 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
```

```
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  1 1 2 2 2 2 2 2 2 2 ...
NULL

 ####  xt044  ####
'data.frame':   4491 obs. of  7 variables:
 $ WWWHH: num  50101 50101 50102 50102 50102 ...
 $ WWW  : num  501 501 501 501 501 502 502 502 502 502 ...
 $ HH   : num  1 1 2 2 2 1 1 1 1 2 ...
 $ Q02  : num  4 99 4 98 99 22 37 98 99 22 ...
 $ Q03A : num  3 NA 3 NA NA 4 4 NA NA 4 ...
 $ Q03B : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q04  : num  150 150 100 0 100 200 20 0 220 250 ...
NULL

 ####  xt045  ####
'data.frame':   3015 obs. of  4 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  2 2 2 2 2 1 2 2 2 2 ...
NULL

 ####  xt046  ####
'data.frame':   7070 obs. of  9 variables:
 $ WWWHH: num  50108 50108 50108 50116 50116 ...
 $ WWW  : num  501 501 501 501 501 502 502 502 502 502 ...
 $ HH   : num  8 8 8 16 16 1 1 1 2 2 ...
 $ Q02  : num  1 6 99 1 99 1 6 99 1 3 ...
 $ Q03A : num  4 NA NA 4 NA 6 NA NA 4 4 ...
 $ Q03B : num  NA NA NA NA NA NA NA NA 6 NA ...
 $ Q03C : num  NA NA NA NA NA NA NA NA 2 NA ...
 $ Q04A : num  4 NA NA 3 NA 25 NA NA 50 10 ...
 $ Q04B : num  64 20 84 48 48 425 0 425 850 220 ...
NULL

 ####  xt047  ####
'data.frame':   1954 obs. of  5 variables:
 $ WWWHH: num  50108 50116 50201 50202 50204 ...
 $ WWW  : num  501 501 502 502 502 502 502 502 502 502 ...
 $ HH   : num  8 16 1 2 4 7 8 10 11 13 ...
 $ Q05  : num  1 1 1 2 1 1 2 1 1 1 ...
 $ Q06  : num  NA NA NA 1 NA NA 1 NA NA NA ...
NULL

 ####  xt048  ####
'data.frame':   3014 obs. of  4 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  2 1 1 1 2 1 1 1 1 1 ...
NULL

 ####  xt049  ####
'data.frame':   4504 obs. of  16 variables:
```

```
 $ WWWHH: num  50102 50104 50104 50104 50105 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  2 4 4 4 5 5 5 5 5 8 ...
 $ Q02  : num  16 1 2 16 1 2 3 4 5 1 ...
 $ Q03  : num  NA 1 1 NA 1 1 1 2 1 1 ...
 $ Q04M : num  0 0 2 0 0 4 4 NA 0 3 ...
 $ Q04F : num  7 5 3 5 7 10 0 NA 3 5 ...
 $ Q05M : num  NA 0 100 NA 0 100 100 NA 0 100 ...
 $ Q05F : num  NA 50 50 NA 50 50 0 NA 50 50 ...
 $ Q06M : num  NA 0 25 NA 0 25 25 NA 0 25 ...
 $ Q06F : num  NA 25 25 NA 25 25 0 NA 25 25 ...
 $ Q07M : num  NA 0 125 NA 0 125 125 NA 0 125 ...
 $ Q07F : num  NA 75 75 NA 75 75 0 NA 75 75 ...
 $ Q08M : num  NA 0 250 NA 0 500 500 NA 0 375 ...
 $ Q08F : num  NA 375 225 NA 525 750 0 NA 225 375 ...
 $ Q08T : num  NA 375 475 NA 525 1250 500 1400 225 750 ...
NULL

 ####  xt050  ####
'data.frame':   2972 obs. of  8 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q09  : num  0 0 850 3900 0 3500 0 280 3780 240 ...
 $ Q10  : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q11  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q12  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q13  : num  0 0 850 3900 0 3500 0 280 3780 240 ...
NULL

 ####  xt051  ####
'data.frame':   3009 obs. of  26 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  0 0 0 0 0 0 0 750 0 0 ...
 $ Q02  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q03  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q04  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q05  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q06  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q07  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q08  : num  0 0 0 0 0 0 0 750 0 0 ...
 $ Q09  : num  150 100 0 0 0 0 0 0 0 0 ...
 $ Q10  : num  0 0 0 0 0 84 0 0 0 0 ...
 $ Q11  : num  0 0 0 3900 0 3500 0 0 3780 240 ...
 $ Q12  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q13  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q14  : num  0 170 0 0 0 0 0 0 0 0 ...
 $ Q15  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q16  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q17  : num  0 0 262 0 0 0 200 200 80 0 ...
 $ Q18  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q19  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q20  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q21  : num  0 0 0 0 0 0 0 0 0 0 ...
```

```
 $ Q22  : num  0 0 23 0 0 0 0 0 0 0 ...
 $ Q23  : num  150 270 285 3900 0 ...
NULL

 ####  xt052  ####
'data.frame':   3912 obs. of  4 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  1 1 1 1 1 1 1 1 1 1 ...
NULL

 ####  xt053  ####
'data.frame':   28560 obs. of  13 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 1 1 1 1 ...
 $ LVST : num  1 2 3 4 5 6 7 8 9 10 ...
 $ Q02  : num  1 1 1 2 2 1 2 1 2 1 ...
 $ Q03A : num  2 2 1 NA NA 1 NA 1 NA 7 ...
 $ Q03B : num  1200 10000 1200 NA NA ...
 $ Q04A : num  2 2 1 NA NA 0 NA 2 NA 7 ...
 $ Q04B : num  800 12000 600 NA NA ...
 $ Q05A : num  0 0 0 NA NA 0 NA 0 NA 0 ...
 $ Q05B : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q06A : num  0 0 0 NA NA 1 NA 1 NA 2 ...
 $ Q06B : num  NA NA NA NA NA 800 NA 100 NA 900 ...
NULL

 ####  xt054  ####
'data.frame':   2889 obs. of  16 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q02  : num  0 0 240 0 0 960 0 0 0 0 ...
 $ Q03  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q04  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q05  : num  0 0 0 2400 0 0 0 0 0 0 ...
 $ Q06  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q07  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q08  : num  0 0 240 2400 0 960 0 0 0 0 ...
 $ Q09  : num  0 0 1500 0 0 0 2000 1200 2000 0 ...
 $ Q10  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q11  : num  0 0 20 400 0 0 0 0 0 0 ...
 $ Q12  : num  0 0 0 125 1000 0 0 300 500 0 ...
 $ Q13  : num  0 0 1520 525 1000 0 2000 1500 2500 0 ...
NULL

 ####  xt055  ####
'data.frame':   3911 obs. of  4 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  1 1 1 1 1 1 1 1 1 1 ...
NULL
```

```
####  xt056  ####
'data.frame':   30940 obs. of  11 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 1 1 1 1 ...
 $ EQIP : num  1 2 3 4 5 6 7 8 9 10 ...
 $ Q02  : num  2 2 2 2 2 2 2 2 1 1 ...
 $ Q03  : num  NA NA NA NA NA NA NA NA 4 4 ...
 $ Q04  : num  NA NA NA NA NA NA NA NA 250 250 ...
 $ Q05  : num  NA NA NA NA NA NA NA NA 0 0 ...
 $ Q06  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q07  : num  NA NA NA NA NA NA NA NA 0 0 ...
 $ Q08  : num  NA NA NA NA NA NA NA NA NA NA ...
NULL

 ####  xt057  ####
'data.frame':   3825 obs. of  7 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q09  : num  2 2 2 2 2 2 2 2 1 2 ...
 $ Q10  : num  4 1 1 1 1 1 1 1 NA 2 ...
 $ Q11  : num  2 2 2 2 2 2 2 2 1 2 ...
 $ Q12  : num  4 1 1 3 1 1 1 1 NA 2 ...
NULL

 ####  xt058  ####
'data.frame':   3911 obs. of  4 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ ASE  : num  1 2 1 2 2 2 2 2 2 2 ...
NULL

 ####  xt059  ####
'data.frame':   1365 obs. of  19 variables:
 $ WWWHH: num  50101 50104 50210 50307 50407 ...
 $ WWW  : num  501 501 502 503 504 504 504 505 505 506 ...
 $ HH   : num  1 4 10 7 7 8 16 2 3 1 ...
 $ ENT  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q01A : chr  "Hansiya,Kuto Banauni     " "Aafni Khudra pasal       " "Kapada Pasal
" "DHAMI BAIDHIYA GARNE     " ...
 $ Q01B : chr  "Hansiya,kodalo           " "Khudra Sell              " "Kapada Bikkri
" "ADHIYAMIK SEWA           " ...
 $ Q01C : num  27 52 17 93 52 74 1 15 52 55 ...
 $ Q02A : num  1 1 3 1 6 5 1 2 1 1 ...
 $ Q02B : num  NA NA NA NA NA NA 7 4 NA 2 ...
 $ Q02C : num  NA NA NA NA NA NA 2 NA NA 4 ...
 $ Q02D : num  NA NA NA NA NA NA 8 NA NA NA ...
 $ Q02E : num  NA NA NA NA NA NA 9 NA NA NA ...
 $ Q03  : num  1 1 3 1 6 5 1 2 1 1 ...
 $ Q04A : num  9 2 12 34 1 2 17 29 5 45 ...
 $ Q04B : num  4 9 0 0 0 0 2 0 6 12 ...
 $ Q05  : num  1 1 2 3 1 2 2 2 2 2 ...
 $ Q06  : num  12 12 12 10 12 9 10 12 6 12 ...
```

```
 $ Q07  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q08  : num  NA NA NA NA NA NA NA NA NA NA ...
NULL

 ####  xt060  ####
'data.frame':   1365 obs. of  13 variables:
 $ WWWHH: num  50101 50104 50210 50307 50407 ...
 $ WWW  : num  501 501 502 503 504 504 504 505 505 506 ...
 $ HH   : num  1 4 10 7 7 8 16 2 3 1 ...
 $ ENT  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q09A : num  1 1 1 1 1 5 5 1 3 1 ...
 $ Q09B : num  NA NA 4 NA NA 1 1 NA 2 2 ...
 $ Q10  : num  2 2 1 2 2 2 1 2 2 1 ...
 $ Q11  : num  1 1 4 1 2 3 2 2 11 5 ...
 $ Q12  : num  3 1 1 3 3 1 1 1 3 1 ...
 $ Q13  : num  NA 1 2 NA NA 1 2 4 NA 3 ...
 $ Q14  : num  2 2 2 2 2 2 1 2 1 1 ...
 $ Q15  : num  NA NA NA NA NA NA 16 NA 1 10 ...
 $ Q16  : num  1 10 2 1 1 2 7 1 6 2 ...
NULL

 ####  xt061  ####
'data.frame':   1365 obs. of  15 variables:
 $ WWWHH: num  50101 50104 50210 50307 50407 ...
 $ WWW  : num  501 501 502 503 504 504 504 505 505 506 ...
 $ HH   : num  1 4 10 7 7 8 16 2 3 1 ...
 $ ENT  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q02  : num  1600 91000 400000 5000 40000 ...
 $ Q03  : num  0 0 0 0 0 0 498000 0 60000 876000 ...
 $ Q04  : num  0 0 338 0 900 ...
 $ Q05A : num  0 77350 360000 0 25000 ...
 $ Q05B : num  800 0 0 0 0 0 0 0 0 0 ...
 $ Q06  : num  0 0 6000 0 0 ...
 $ Q07  : num  800 13650 33662 5000 14100 ...
 $ Q08  : num  320 2000 0 0 0 0 0 0 0 0 ...
 $ Q09  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q10  : num  1500 8000 500000 2000 22000 0 18700000 0 400000 2000000 ...
 $ Q11  : num  1.6e+03 4.0e+03 6.0e+05 2.0e+03 6.5e+04 1.5e+05 1.9e+07 0.0 0.0 1.0e+06 ...
NULL

 ####  xt062  ####
'data.frame':   3911 obs. of  4 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  1 2 1 1 1 1 1 1 2 1 ...
NULL

 ####  xt063  ####
'data.frame':   4141 obs. of  10 variables:
 $ WWWHH: num  50101 50104 50104 50105 50105 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 4 4 5 5 7 7 8 8 8 ...
 $ LNO  : num  1 1 2 1 2 1 2 1 2 3 ...
 $ Q03  : num  1 1 1 1 1 2 2 1 1 1 ...
 $ Q04A : num  4 11 9 8 10 5 2 1 1 5 ...
```

```
 $ Q04B : num  48 59 59 59 59 59 58 56 59 55 ...
 $ Q05  : num  8 1 1 1 1 1 1 1 1 1 ...
 $ Q06  : num  3 6 7 7 4 7 7 8 7 11 ...
 $ Q07  : num  8000 5000 5000 4000 8000 15000 15000 70000 16000 16000 ...
NULL

 ####  xt064  ####
'data.frame':   4141 obs. of  12 variables:
 $ WWWHH: num  50101 50104 50104 50105 50105 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 4 4 5 5 7 7 8 8 8 ...
 $ LNO  : num  1 1 2 1 2 1 2 1 2 3 ...
 $ Q08A : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q08B : num  20 20 20 20 20 20 20 20 20 18 ...
 $ Q09A : num  6 10 10 8 10 1 10 1 1 5 ...
 $ Q09B : num  60 60 60 60 60 60 60 60 60 60 ...
 $ Q10  : num  2 3 3 3 3 3 3 2 3 2 ...
 $ Q11  : num  10000 NA NA NA NA NA NA 14000 NA 2880 ...
 $ Q12  : num  8 8 8 8 8 8 6 6 6 6 ...
 $ Q13  : num  1 1 1 1 1 1 1 1 1 1 ...
NULL

 ####  xt065  ####
'data.frame':   3911 obs. of  4 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  2 2 1 1 2 1 1 2 1 2 ...
NULL

 ####  xt066  ####
'data.frame':   880 obs. of  10 variables:
 $ WWWHH: num  50104 50105 50105 50105 50108 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  4 5 5 5 8 8 10 13 13 13 ...
 $ LNO  : num  1 1 2 3 1 2 1 1 2 3 ...
 $ Q03  : num  1 1 1 1 11 1 1 1 1 1 ...
 $ Q04A : num  10 5 3 5 1 2 10 5 10 12 ...
 $ Q04B : num  45 59 59 59 52 54 54 59 59 59 ...
 $ Q05  : num  5 5 4 4 5 6 4 5 5 5 ...
 $ Q06  : num  3 7 7 7 7 11 7 6 6 11 ...
 $ Q07  : num  34000 18000 22000 16000 11000 100000 4000 16000 10000 6000 ...
NULL

 ####  xt067  ####
'data.frame':   880 obs. of  11 variables:
 $ WWWHH: num  50104 50105 50105 50105 50108 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  4 5 5 5 8 8 10 13 13 13 ...
 $ LNO  : num  1 1 2 3 1 2 1 1 2 3 ...
 $ Q08A : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q08B : num  20 20 20 20 20 20 20 20 20 20 ...
 $ Q09A : num  10 5 5 5 10 6 1 10 10 3 ...
 $ Q09B : num  46 60 60 60 60 61 61 59 59 60 ...
 $ Q10  : num  2 3 3 3 2 2 3 3 3 3 ...
 $ Q11  : num  74800 NA NA NA 2200 10000 NA NA NA NA ...
```

```
 $ Q12  : num  8 8 8 8 8 8 8 8 8 8 ...
NULL

 ####  xt068  ####
'data.frame':   3911 obs. of  15 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q02  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q03  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q04  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q05  : num  0 0 0 0 0 2 0 0 0 0 ...
 $ Q06  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q07  : num  2 2 2 2 2 2 2 2 2 2 ...
 $ Q08  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q09  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q10  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q11  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ Q12  : num  0 0 0 0 0 0 0 0 0 0 ...
NULL

 ####  xt069  ####
'data.frame':   3911 obs. of  4 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  2 2 2 2 2 2 2 2 2 2 ...
NULL

 ####  xt070  ####
'data.frame':   575 obs. of  14 variables:
 $ WWWHH: num  50311 50402 50408 50410 50505 ...
 $ WWW  : num  503 504 504 504 505 506 506 506 507 507 ...
 $ HH   : num  11 2 8 10 5 7 11 16 13 13 ...
 $ LNO  : num  1 1 1 1 1 1 1 1 1 2 ...
 $ IDR  : num  1 1 2 1 2 3 2 2 1 1 ...
 $ Q02  : chr  "KABIRAJ SEJUWAL          " "som magar                " "GANESH
" "FATHER                  " ...
 $ Q03  : num  1 1 2 1 1 1 2 2 1 1 ...
 $ Q04  : num  3 3 2 5 3 14 6 3 3 3 ...
 $ Q05  : num  1 1 1 1 1 2 1 2 2 1 ...
 $ Q06A : num  59 86 86 27 15 50 27 27 50 50 ...
 $ Q06B : num  1 NA NA 1 2 2 1 2 1 1 ...
 $ Q07  : num  5 2 2 6 2 4 2 5 5 5 ...
 $ Q08A : num  25000 100000 30000 1560000 2300 5400 15000 65000 0 0 ...
 $ Q08B : num  0 0 0 0 0 500 0 500 750 500 ...
NULL

 ####  xt071  ####
'data.frame':   3911 obs. of  4 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  2 1 2 1 2 1 1 2 1 2 ...
NULL
```

```
 ####  xt072  ####
'data.frame':   1497 obs. of  16 variables:
 $ WWWHH: num  50102 50105 50108 50110 50113 ...
 $ WWW  : num  501 501 501 501 501 502 502 502 502 502 ...
 $ HH   : num  2 5 8 10 13 2 4 5 7 8 ...
 $ LNO  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ IDR  : num  1 1 1 2 1 1 1 1 1 1 ...
 $ Q02  : chr  "Ganga Ram               " "Thaneshwor baral         " "Surya prasad baral
" "Yam B. Rana              " ...
 $ Q03  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q04  : num  2 2 2 5 2 3 3 2 3 2 ...
 $ Q05  : num  1 1 1 1 1 1 1 1 1 1 ...
 $ Q06  : num  32 43 27 21 35 32 22 32 19 53 ...
 $ Q07A : num  81 81 81 81 81 56 81 81 81 81 ...
 $ Q07B : num  NA NA NA NA NA 2 NA NA NA NA ...
 $ Q08  : num  2 2 2 2 2 2 2 1 2 1 ...
 $ Q09A : num  14000 13000 23000 9600 70000 10000 3000 10000 4000 8000 ...
 $ Q09B : num  1365 0 0 700 7000 ...
 $ Q10  : num  3 3 3 3 3 3 3 3 3 3 ...
NULL

 ####  xt073  ####
'data.frame':   10434 obs. of  7 variables:
 $ WWWHH: num  50101 50101 50101 50101 50101 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 1 1 1 1 1 1 2 2 ...
 $ Q01  : num  101 102 103 104 105 106 107 108 101 102 ...
 $ Q02  : num  350 0 0 0 NA NA NA NA 300 0 ...
 $ Q03  : num  100 0 0 0 NA NA NA NA 200 0 ...
 $ Q04  : num  0 0 0 0 0 0 0 0 0 0 ...
NULL

 ####  xt074  ####
'data.frame':   3886 obs. of  4 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ Q01  : num  2 2 2 2 2 2 2 2 2 2 ...
NULL

 ####  xt075  ####
'data.frame':   350 obs. of  18 variables:
 $ WWWHH: num  50304 50304 50402 50402 50402 ...
 $ WWW  : num  503 503 504 504 504 504 505 505 507 507 ...
 $ HH   : num  4 4 2 2 2 2 2 13 13 ...
 $ CIDC : num  1 2 1 2 3 4 1 2 1 2 ...
 $ Q02  : chr  "RAJENDRA ROKAYA         " "MEGHA ROKAYA            " "bishnu magar
" "SHLINA MAGAR            " ...
 $ Q03A : num  92 92 5 9 9 9 91 91 92 92 ...
 $ Q03B : num  91 91 6 10 10 10 91 91 91 91 ...
 $ Q04  : num  1 2 1 2 2 1 1 1 2 1 ...
 $ Q05  : num  2 2 3 3 3 3 3 3 1 1 ...
 $ Q06A : num  0 3 3 6 4 3 6 2 12 4 ...
 $ Q06B : num  4 7 5 8 7 5 7 3 13 5 ...
 $ Q07A : num  17 17 17 2 17 17 0 17 3 17 ...
```

```
 $ Q07B : num  17 0 0 3 1 17 0 17 2 0 ...
 $ Q08A : num  57 57 35 81 38 38 27 27 50 50 ...
 $ Q08B : num  2 2 2 NA 1 1 2 2 2 2 ...
 $ Q09  : num  4 4 2 2 2 4 4 4 2 2 ...
 $ Q10  : num  NA NA NA NA NA NA NA NA NA NA ...
 $ Q11  : num  NA NA NA NA NA NA NA NA NA NA ...
NULL

 ####  xt076  ####
'data.frame':   3911 obs. of  18 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ WWW  : num  501 501 501 501 501 501 501 501 501 501 ...
 $ HH   : num  1 2 4 5 7 8 10 11 13 14 ...
 $ IDR  : num  1 1 1 1 2 1 2 1 1 1 ...
 $ Q01  : num  1 1 2 2 1 2 2 2 2 2 ...
 $ Q02  : num  1 1 2 2 1 1 1 2 2 1 ...
 $ Q03  : num  1 2 2 2 2 1 2 1 1 2 ...
 $ Q04  : num  1 1 2 2 3 1 1 1 2 1 ...
 $ Q05  : num  2 2 1 2 2 1 1 1 1 1 ...
 $ Q06  : num  1 1 1 2 1 1 2 2 2 1 ...
 $ Q07  : num  1 2 NA NA 1 NA NA NA NA NA ...
 $ Q08  : num  3 2 3 2 2 2 2 3 2 3 ...
 $ Q09  : num  2 2 2 3 2 2 2 2 2 2 ...
 $ Q10  : num  4 2 2 1 1 2 2 2 2 1 ...
 $ Q11  : num  4 4 4 4 4 4 4 4 4 4 ...
 $ Q12  : num  2 3 2 3 3 3 3 3 3 3 ...
 $ Q13  : num  2 2 2 3 2 3 3 3 3 3 ...
 $ Q14  : num  4 3 2 3 2 4 3 3 3 4 ...
NULL
>
```

5.2 Range check of each variable

- Cross section data consists of 76 files; xt001 to xt076.
  Displayed the summary of each variable as below.

SUMMARY OF EACH DATA FRAME

Data frames: outfiles[[j]] (i=1 to 76)
Names of R data frames: Rnames[j]

```
> for(j in 1:76){
+ cat("##### ",Rnames[j]," ##########################################¥n")
+ print(summary(outfiles[[j]]))
+ cat("¥n¥n")
+ }
```

```
#####  xt001  ##########################################
     WWWHH            WWW             HH              SERL            DINTYY
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :  1.00   Min.   :59.00
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.: 28.00   1st Qu.:60.00
 Median :66859   Median :668.5   Median : 9.000   Median : 64.00   Median :60.00
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   : 89.34   Mean   :59.95
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:126.00   3rd Qu.:60.00
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :627.00   Max.   :61.00
                                                  NA's   :4
     DINTMM           DINTDD          INTC              INTV
 Min.   : 1.000   Min.   : 1.00   Length:3912        Min.   :1.000
 1st Qu.: 3.000   1st Qu.: 7.00   Class :character   1st Qu.:1.000
 Median : 7.000   Median :15.00   Mode  :character   Median :1.000
 Mean   : 6.212   Mean   :15.26                      Mean   :1.107
 3rd Qu.: 9.000   3rd Qu.:24.00                      3rd Qu.:1.000
 Max.   :12.000   Max.   :32.00                      Max.   :2.000
                  NA's   :11
      RESN            NEWH            OLDH             RELI            LANG
 Min.   :1.000   Min.   : 3.0   Min.   : 1.000   Min.   :1.000   Min.   : 1.000
 1st Qu.:2.000   1st Qu.: 6.0   1st Qu.: 5.000   1st Qu.:1.000   1st Qu.: 1.000
 Median :2.000   Median :10.5   Median :10.000   Median :1.000   Median : 1.000
 Mean   :1.893   Mean   :10.6   Mean   : 9.282   Mean   :1.328   Mean   : 3.245
 3rd Qu.:2.000   3rd Qu.:15.0   3rd Qu.:14.000   3rd Qu.:1.000   3rd Qu.: 4.000
 Max.   :3.000   Max.   :21.0   Max.   :20.000   Max.   :9.000   Max.   :26.000
 NA's   :3492    NA's   :3492   NA's   :3493
      INTP           DDE1YY          DDE1MM          DDE1DD
 Min.   :1.000   Min.   :59.00   Min.   : 1.000   Min.   : 1.00
 1st Qu.:2.000   1st Qu.:60.00   1st Qu.: 3.000   1st Qu.: 7.00
 Median :2.000   Median :60.00   Median : 7.000   Median :15.00
 Mean   :1.957   Mean   :59.97   Mean   : 6.115   Mean   :15.47
 3rd Qu.:2.000   3rd Qu.:60.00   3rd Qu.: 9.000   3rd Qu.:24.00
```

```
Max.    :2.000    Max.    :61.00    Max.    :12.000    Max.    :32.00

   DEOP1               DSUPYY          DSUPMM           DSUPDD
Length:3912        Min.    :59.00   Min.    : 1.000   Min.    : 1.00
Class :character   1st Qu.:60.00   1st Qu.: 3.000   1st Qu.: 7.00
Mode  :character   Median :60.00   Median : 7.000   Median :15.00
                   Mean    :59.96   Mean    : 6.157   Mean    :15.49
                   3rd Qu.:60.00   3rd Qu.: 9.000   3rd Qu.:24.00
                   Max.    :61.00   Max.    :12.000   Max.    :32.00
                   NA's    :50      NA's    :50        NA's    :50
    SUPC               DCORYY          DCORMM           DCORDD
Length:3912        Min.    :59.00   Min.    : 1.000   Min.    : 1.00
Class :character   1st Qu.:60.00   1st Qu.: 3.000   1st Qu.: 7.00
Mode  :character   Median :60.00   Median : 7.000   Median :15.00
                   Mean    :59.96   Mean    : 6.178   Mean    :15.38
                   3rd Qu.:60.00   3rd Qu.: 9.000   3rd Qu.:24.00
                   Max.    :60.00   Max.    :12.000   Max.    :32.00
                   NA's    :191     NA's    :191       NA's    :191
   DEOP2               VERI
Length:3912        Min.    :1.000
Class :character   1st Qu.:1.000
Mode  :character   Median :1.000
                   Mean    :1.002
                   3rd Qu.:1.000
                   Max.    :2.000
                   NA's    :50


#####  xt002  ##########################################
    WWWHH           WWW             HH           IDC             Q01
Min.    :50101   Min.    :501.0   Min.    : 1.0   Min.    : 1.000   Length:21531
1st Qu.:58302   1st Qu.:583.0   1st Qu.: 5.0   1st Qu.: 2.000   Class :character
Median :66913   Median :669.0   Median : 9.0   Median : 3.000   Mode  :character
Mean    :66838   Mean    :668.3   Mean    : 9.1   Mean    : 3.885
3rd Qu.:75407   3rd Qu.:754.0   3rd Qu.:14.0   3rd Qu.: 5.000
Max.    :83417   Max.    :834.0   Max.    :22.0   Max.    :32.000

     Q01A             Q02             Q03             Q04A            Q04B
Min.    :  1.00   Min.    :1.000   Min.    : 1.000   Min.    : 1.00   Min.    :1.000
1st Qu.:  2.00   1st Qu.:1.000   1st Qu.: 2.000   1st Qu.:17.00   1st Qu.:2.000
Median :  6.00   Median :2.000   Median : 3.000   Median :31.00   Median :2.000
Mean    : 10.56   Mean    :1.501   Mean    : 3.222   Mean    :34.47   Mean    :1.867
3rd Qu.: 12.00   3rd Qu.:2.000   3rd Qu.: 3.000   3rd Qu.:50.00   3rd Qu.:2.000
Max.    :102.00   Max.    :2.000   Max.    :14.000   Max.    :93.00   Max.    :2.000
NA's    :1                                                          NA's    :752
     Q05             Q06             Q07             Q08             Q09
Min.    : 0.00   Min.    :1.000   Min.    :1.000   Min.    : 1.00   Min.    : 0.00
1st Qu.:10.00   1st Qu.:1.000   1st Qu.:1.000   1st Qu.: 1.00   1st Qu.:12.00
Median :20.00   Median :1.000   Median :1.000   Median : 2.00   Median :12.00
Mean    :25.13   Mean    :2.598   Mean    :1.063   Mean    : 2.47   Mean    :11.12
3rd Qu.:38.00   3rd Qu.:5.000   3rd Qu.:1.000   3rd Qu.: 3.00   3rd Qu.:12.00
Max.    :99.00   Max.    :5.000   Max.    :7.000   Max.    :28.00   Max.    :12.00
                 NA's    :5305    NA's    :12125   NA's    :12720   NA's    :1
     Q10
Min.    :1.000
1st Qu.:1.000
```

```
 Median :1.000
 Mean   :1.059
 3rd Qu.:1.000
 Max.   :2.000
 NA's   :1


#####  xt003  ##########################################
     WWWHH           WWW             HH              IDC             Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 1.000   Min.   :1.000
 1st Qu.:58314   1st Qu.:583.0   1st Qu.: 5.000   1st Qu.: 2.000   1st Qu.:1.000
 Median :66916   Median :669.0   Median : 9.000   Median : 3.000   Median :2.000
 Mean   :66860   Mean   :668.5   Mean   : 9.111   Mean   : 3.836   Mean   :1.856
 3rd Qu.:75503   3rd Qu.:755.0   3rd Qu.:14.000   3rd Qu.: 5.000   3rd Qu.:3.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :32.000   Max.   :3.000

      Q02             Q03             Q04A            Q04B            Q05
 Min.   : 1.000   Min.   : 1.00   Min.   : 1.00   Min.   :1.000   Min.   :1.000
 1st Qu.: 1.000   1st Qu.:16.00   1st Qu.:18.00   1st Qu.:2.000   1st Qu.:1.000
 Median : 1.000   Median :17.00   Median :31.00   Median :2.000   Median :1.000
 Mean   : 1.635   Mean   :14.98   Mean   :35.29   Mean   :1.944   Mean   :1.706
 3rd Qu.: 1.000   3rd Qu.:17.00   3rd Qu.:51.00   3rd Qu.:2.000   3rd Qu.:2.000
 Max.   :27.000   Max.   :17.00   Max.   :93.00   Max.   :2.000   Max.   :3.000
 NA's   :11303    NA's   :8976    NA's   :8976    NA's   :9606    NA's   :1
      Q06             Q07             Q08A            Q08B
 Min.   : 1.000   Min.   : 1.00   Min.   : 0.00   Min.   :1.000
 1st Qu.: 2.000   1st Qu.:17.00   1st Qu.:18.00   1st Qu.:2.000
 Median : 2.000   Median :17.00   Median :32.00   Median :2.000
 Mean   : 2.635   Mean   :16.61   Mean   :36.77   Mean   :1.946
 3rd Qu.: 2.000   3rd Qu.:17.00   3rd Qu.:54.00   3rd Qu.:2.000
 Max.   :28.000   Max.   :17.00   Max.   :93.00   Max.   :2.000
 NA's   :9390     NA's   :10889   NA's   :10890   NA's   :11701


#####  xt004  ##########################################
     WWWHH           WWW             HH              ACT
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Length:47553
 1st Qu.:58813   1st Qu.:588.0   1st Qu.: 5.000   Class :character
 Median :67113   Median :671.0   Median : 9.000   Mode  :character
 Mean   :66924   Mean   :669.1   Mean   : 9.044
 3rd Qu.:75304   3rd Qu.:753.0   3rd Qu.:14.000
 Max.   :83417   Max.   :834.0   Max.   :22.000

      IDC             Q01N            Q01C            Q02
 Min.   : 1.000   Length:47553       Min.   : 11.0   Min.   : 1.000
 1st Qu.: 1.000   Class :character   1st Qu.:621.0   1st Qu.: 4.000
 Median : 2.000   Mode  :character   Median :742.0   Median : 8.000
 Mean   : 3.058                      Mean   :794.2   Mean   : 7.917
 3rd Qu.: 4.000                      3rd Qu.:997.0   3rd Qu.:12.000
 Max.   :32.000                      Max.   :999.0   Max.   :12.000
                                     NA's   :9       NA's   :6300
      Q03             Q04               Q05             Q06H            Q06T
 Min.   : 1.00   Min.   : 0.000   Min.   :0.00   Min.   : 0.000   Min.   :  0.00
 1st Qu.: 8.00   1st Qu.: 2.000   1st Qu.:0.00   1st Qu.: 2.000   1st Qu.:  9.00
 Median :15.00   Median : 4.000   Median :3.00   Median : 4.000   Median : 16.00
 Mean   :16.38   Mean   : 4.514   Mean   :3.33   Mean   : 4.134   Mean   : 21.63
```

```
 3rd Qu.:25.00   3rd Qu.: 6.000   3rd Qu.:7.00   3rd Qu.: 6.000   3rd Qu.: 28.00
 Max.   :30.00   Max.   :24.000   Max.   :7.00   Max.   :16.000   Max.   :105.00
 NA's   :6300    NA's   :6300     NA's   :6300   NA's   :21510    NA's   :21510
      Q07             Q08A            Q08B            Q09A            Q09B
 Min.   :1.000   Min.   : 1.0    Min.   :1.00    Min.   :1       Min.   :1
 1st Qu.:1.000   1st Qu.:17.0    1st Qu.:1.00    1st Qu.:1       1st Qu.:1
 Median :1.000   Median :27.0    Median :2.00    Median :1       Median :1
 Mean   :1.029   Mean   :38.9    Mean   :1.63    Mean   :1       Mean   :1
 3rd Qu.:1.000   3rd Qu.:58.0    3rd Qu.:2.00    3rd Qu.:1       3rd Qu.:1
 Max.   :2.000   Max.   :93.0    Max.   :2.00    Max.   :1       Max.   :1
 NA's   :13673   NA's   :46561   NA's   :46753   NA's   :44998   NA's   :45015
      Q09C            Q09D            Q09E
 Min.   :1       Min.   :1       Min.   :1
 1st Qu.:1       1st Qu.:1       1st Qu.:1
 Median :1       Median :1       Median :1
 Mean   :1       Mean   :1       Mean   :1
 3rd Qu.:1       3rd Qu.:1       3rd Qu.:1
 Max.   :1       Max.   :1       Max.   :1
 NA's   :32131   NA's   :45391   NA's   :36343


#####  xt005  ##########################################
     WWWHH           WWW             HH              IDC             Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 1.000   Min.   :1.000
 1st Qu.:58402   1st Qu.:584.0   1st Qu.: 5.000   1st Qu.: 2.000   1st Qu.:2.000
 Median :67114   Median :671.0   Median : 9.000   Median : 4.000   Median :2.000
 Mean   :66961   Mean   :669.5   Mean   : 9.149   Mean   : 4.022   Mean   :1.893
 3rd Qu.:75609   3rd Qu.:756.0   3rd Qu.:14.000   3rd Qu.: 5.000   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :32.000   Max.   :2.000
                                                                   NA's   :5329
      Q02             Q03             Q04             Q05             Q06
 Min.   :1.000   Min.   : 1.000   Min.   :1.000   Min.   :1.000   Min.   : 1.000
 1st Qu.:1.000   1st Qu.: 1.000   1st Qu.:2.000   1st Qu.:1.000   1st Qu.: 6.000
 Median :2.000   Median : 1.000   Median :2.000   Median :2.000   Median : 7.000
 Mean   :1.676   Mean   : 3.239   Mean   :1.762   Mean   :1.667   Mean   : 6.646
 3rd Qu.:2.000   3rd Qu.: 3.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.: 8.000
 Max.   :2.000   Max.   :12.000   Max.   :2.000   Max.   :2.000   Max.   :13.000
 NA's   :11177   NA's   :5559     NA's   :6551    NA's   :10610   NA's   :6974


#####  xt006  ##########################################
     WWWHH           WWW             HH              Q01             Q02A
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :1.000   Min.   : 1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:1.000   1st Qu.: 2.000
 Median :66859   Median :668.5   Median : 9.000   Median :1.000   Median : 3.000
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   :1.194   Mean   : 3.793
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:1.000   3rd Qu.: 5.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :2.000   Max.   :26.000

     Q02B            Q02C            Q02D            Q02E
 Min.   :0.0000   Min.   :0.0000   Min.   : 0.000   Min.   :0.000
 1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.: 0.000   1st Qu.:0.000
 Median :1.0000   Median :0.0000   Median : 1.000   Median :0.000
 Mean   :0.5128   Mean   :0.2412   Mean   : 1.186   Mean   :0.164
 3rd Qu.:1.0000   3rd Qu.:0.0000   3rd Qu.: 2.000   3rd Qu.:0.000
 Max.   :2.0000   Max.   :6.0000   Max.   :14.000   Max.   :3.000
```

```
 NA's   :2        NA's   :3        NA's   :2        NA's   :3
     Q02F             Q02G             Q02H             Q03             Q04
 Min.   :0.00000   Min.   :0.000   Min.   :0.0000   Min.   :1.000   Min.   :1.000
 1st Qu.:0.00000   1st Qu.:1.000   1st Qu.:0.0000   1st Qu.:1.000   1st Qu.:2.000
 Median :0.00000   Median :1.000   Median :0.0000   Median :1.000   Median :2.000
 Mean   :0.09135   Mean   :1.354   Mean   :0.2463   Mean   :1.363   Mean   :2.471
 3rd Qu.:0.00000   3rd Qu.:2.000   3rd Qu.:0.0000   3rd Qu.:2.000   3rd Qu.:3.000
 Max.   :9.00000   Max.   :8.000   Max.   :7.0000   Max.   :2.000   Max.   :7.000
 NA's   :4         NA's   :2       NA's   :2
     Q05             Q06             Q07             Q08A            Q08B
 Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :0.00000
 1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:0.00000
 Median :1.000   Median :4.000   Median :2.000   Median :1.000   Median :0.00000
 Mean   :1.709   Mean   :3.856   Mean   :1.743   Mean   :1.458   Mean   :0.02249
 3rd Qu.:2.000   3rd Qu.:6.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:0.00000
 Max.   :5.000   Max.   :7.000   Max.   :4.000   Max.   :2.000   Max.   :2.00000

     Q08C            Q08D           Q09             Q10
 Min.   : 0.000   Min.   : 0.0   Min.   :  21.0   Min.   :1.000
 1st Qu.: 0.000   1st Qu.: 0.0   1st Qu.: 260.0   1st Qu.:1.000
 Median : 2.000   Median : 0.0   Median : 432.0   Median :1.000
 Mean   : 2.567   Mean   : 3.1   Mean   : 541.5   Mean   :1.337
 3rd Qu.: 4.000   3rd Qu.: 6.0   3rd Qu.: 688.0   3rd Qu.:2.000
 Max.   :15.000   Max.   :19.0   Max.   :7000.0   Max.   :2.000



#####  xt007  ##########################################
    WWWHH           WWW             HH              Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:1.000
 Median :66859   Median :668.5   Median : 9.000   Median :1.000
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   :1.113
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:1.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :2.000

     Q02               Q03              Q04             Q05
 Min.   :    1000   Min.   :     0   Min.   :1.000   Min.   :    0
 1st Qu.:   40000   1st Qu.:   100   1st Qu.:2.000   1st Qu.:  900
 Median :   80000   Median :   250   Median :2.000   Median : 2000
 Mean   :  375857   Mean   :  1588   Mean   :1.932   Mean   : 4402
 3rd Qu.:  200000   3rd Qu.:  1000   3rd Qu.:2.000   3rd Qu.: 5500
 Max.   :20000000   Max.   :150000   Max.   :2.000   Max.   :65000
 NA's   :441        NA's   :441      NA's   :441     NA's   :3676
     Q06             Q07              Q08
 Min.   :1.000   Min.   :   0.0   Min.   :  50.0
 1st Qu.:1.000   1st Qu.: 100.0   1st Qu.: 587.5
 Median :1.000   Median : 200.0   Median :1000.0
 Mean   :1.352   Mean   : 611.8   Mean   :1384.3
 3rd Qu.:2.000   3rd Qu.: 700.0   3rd Qu.:1600.0
 Max.   :4.000   Max.   :8000.0   Max.   :8000.0
 NA's   :3472    NA's   :3787     NA's   :3596



#####  xt008  ##########################################
    WWWHH           WWW             HH              Q01             Q02
```

```
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    :1.000   Min.    :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:1.000   1st Qu.:1.000
 Median :66859   Median :668.5   Median : 9.000   Median :2.000   Median :2.000
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   :1.813   Mean   :1.586
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:2.000   3rd Qu.:2.000
 Max.    :83417   Max.    :834.0   Max.    :22.000   Max.    :4.000   Max.    :2.000
                                                                    NA's    :1962
      Q03               Q04             Q05             Q06              Q07
 Min.    :    0.0   Min.    :1.000   Min.    :1.000   Min.    :   0.0   Min.    :1.000
 1st Qu.:    0.0   1st Qu.:4.000   1st Qu.:3.000   1st Qu.:   0.0   1st Qu.:2.000
 Median :    0.0   Median :4.000   Median :5.000   Median :   0.0   Median :5.000
 Mean   :  232.9   Mean   :3.539   Mean   :4.026   Mean   : 239.4   Mean   :3.689
 3rd Qu.:    0.0   3rd Qu.:4.000   3rd Qu.:5.000   3rd Qu.: 120.0   3rd Qu.:5.000
 Max.    :36000.0   Max.    :4.000   Max.    :6.000   Max.    :8400.0   Max.    :5.000
                                                    NA's    :3273


#####  xt009  ##########################################
     WWWHH             WWW               HH              Q08              Q09
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    :1.000   Min.    :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:1.000   1st Qu.:1.000
 Median :66859   Median :668.5   Median : 9.000   Median :2.000   Median :2.000
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   :1.599   Mean   :1.812
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:2.000   3rd Qu.:2.000
 Max.    :83417   Max.    :834.0   Max.    :22.000   Max.    :3.000   Max.    :3.000
                                                                    NA's    :2168
      Q10              Q11A            Q11B            Q11C             Q11D
 Min.    :    0   Min.    :1.000   Min.    :1.000   Min.    :1.000   Min.    :1.000
 1st Qu.:  700   1st Qu.:2.000   1st Qu.:2.000   1st Qu.:2.000   1st Qu.:2.000
 Median : 1200   Median :2.000   Median :2.000   Median :2.000   Median :2.000
 Mean   : 2963   Mean   :1.899   Mean   :1.984   Mean   :1.996   Mean   :1.882
 3rd Qu.: 3050   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000
 Max.    :84000   Max.    :2.000   Max.    :2.000   Max.    :2.000   Max.    :2.000
 NA's    :2168
      Q11E             Q11F            Q12             Q13              Q14
 Min.    :1.000   Min.    :1.000   Min.    :    0   Min.    :1.000   Min.    :1.000
 1st Qu.:2.000   1st Qu.:2.000   1st Qu.: 2400   1st Qu.:1.000   1st Qu.:1.000
 Median :2.000   Median :2.000   Median : 4200   Median :1.000   Median :2.000
 Mean   :1.992   Mean   :1.992   Mean   : 7842   Mean   :1.954   Mean   :2.223
 3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.: 8628   3rd Qu.:2.000   3rd Qu.:2.000
 Max.    :2.000   Max.    :2.000   Max.    :96000   Max.    :7.000   Max.    :5.000
                                  NA's    :3337   NA's    :1       NA's    :1


#####  xt010  ##########################################
     WWWHH             WWW               HH              Q01              Q02
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    :1.000   Min.    :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:1.000   1st Qu.:1.000
 Median :66859   Median :668.5   Median : 9.000   Median :1.000   Median :1.000
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   :1.216   Mean   :1.139
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:1.000   3rd Qu.:1.000
 Max.    :83417   Max.    :834.0   Max.    :22.000   Max.    :2.000   Max.    :2.000
                                                                    NA's    :844
      Q03A             Q03B            Q04A            Q04B             Q05
 Min.    :1.000   Min.    : 0.100   Min.    : 0.000   Min.    : 0.000   Min.    :1.000
 1st Qu.:1.000   1st Qu.: 4.000   1st Qu.: 2.000   1st Qu.: 0.000   1st Qu.:1.000
```

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 Median :1.000   Median : 5.000   Median : 3.000   Median : 0.000   Median :2.000
 Mean   :1.014   Mean   : 6.715   Mean   : 3.602   Mean   : 4.233   Mean   :2.302
 3rd Qu.:1.000   3rd Qu.:10.000   3rd Qu.: 5.000   3rd Qu.: 0.000   3rd Qu.:3.000
 Max.   :2.000   Max.   :40.000   Max.   :13.000   Max.   :50.000   Max.   :4.000
 NA's   :1269    NA's   :1269     NA's   :1269     NA's   :1269     NA's   :1268
      Q06               Q07              Q08
 Min.   :  0.000   Min.   :1.000   Min.   :1.000
 1st Qu.:  0.000   1st Qu.:1.000   1st Qu.:1.000
 Median :  0.000   Median :1.000   Median :1.000
 Mean   :  2.881   Mean   :1.313   Mean   :1.898
 3rd Qu.:  0.100   3rd Qu.:2.000   3rd Qu.:3.000
 Max.   :550.000   Max.   :2.000   Max.   :4.000
 NA's   :1945      NA's   :2       NA's   :1224


#####  xt011  ##########################################
     WWWHH            WWW              HH              Q01            Q02
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :101   Min.   :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:104   1st Qu.:1.000
 Median :66859   Median :668.5   Median : 9.000   Median :108   Median :1.000
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   :108   Mean   :2.864
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:112   3rd Qu.:5.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :115   Max.   :7.000

      Q03A             Q03B             Q03C
 Min.   : 0.000   Min.   : 0.000   Min.   : 0.00
 1st Qu.: 0.000   1st Qu.: 0.000   1st Qu.: 0.00
 Median : 0.000   Median : 0.000   Median :10.00
 Mean   : 0.117   Mean   : 0.868   Mean   :13.66
 3rd Qu.: 0.000   3rd Qu.: 1.000   3rd Qu.:30.00
 Max.   :10.000   Max.   :20.000   Max.   :55.00
 NA's   :14624    NA's   :14624    NA's   :14624


#####  xt012  ##########################################
     WWWHH            WWW              HH              IDC             Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 1.000   Min.   :1.000
 1st Qu.:58405   1st Qu.:584.0   1st Qu.: 5.000   1st Qu.: 2.000   1st Qu.:1.000
 Median :66916   Median :669.0   Median : 9.000   Median : 3.000   Median :2.000
 Mean   :66856   Mean   :668.5   Mean   : 9.126   Mean   : 3.562   Mean   :1.624
 3rd Qu.:75409   3rd Qu.:754.0   3rd Qu.:14.000   3rd Qu.: 5.000   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :40.000   Max.   :2.000

      Q02A             Q02B            Q03              Q04             Q05
 Min.   : 1.00   Min.   :1.000   Min.   : 0.00   Min.   :1.000   Min.   : 11.0
 1st Qu.:17.00   1st Qu.:2.000   1st Qu.:14.00   1st Qu.:1.000   1st Qu.:621.0
 Median :34.00   Median :2.000   Median :17.00   Median :1.000   Median :621.0
 Mean   :37.93   Mean   :1.921   Mean   :19.83   Mean   :1.107   Mean   :762.9
 3rd Qu.:57.00   3rd Qu.:2.000   3rd Qu.:23.00   3rd Qu.:1.000   3rd Qu.:997.0
 Max.   :93.00   Max.   :2.000   Max.   :94.00   Max.   :2.000   Max.   :999.0
 NA's   :11080   NA's   :11900   NA's   :11079   NA's   :11510   NA's   :12179
      Q06             Q07              Q08             Q09
 Min.   :1.000   Min.   :1.000   Min.   : 11.0   Min.   : 0.000
 1st Qu.:1.000   1st Qu.:1.000   1st Qu.:621.0   1st Qu.: 0.000
 Median :1.000   Median :1.000   Median :732.5   Median : 1.000
 Mean   :2.171   Mean   :1.616   Mean   :753.1   Mean   : 1.555
```

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 3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:997.0   3rd Qu.: 1.000
 Max.   :7.000   Max.   :3.000   Max.   :999.0   Max.   :30.000
 NA's   :11511   NA's   :16005   NA's   :16006   NA's   :16585


#####  xt013  ##########################################
     WWWHH           WWW             HH              ITM             Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 11.0   Min.   :1.000
 1st Qu.:58511   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.: 34.0   1st Qu.:1.000
 Median :66901   Median :669.0   Median : 9.000   Median : 64.5   Median :1.000
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   : 65.4   Mean   :1.459
 3rd Qu.:75310   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.: 92.0   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :133.0   Max.   :2.000

      Q02             Q03A             Q03B             Q04
 Min.   : 0.00    Min.   :   0.25   Min.   : 1.00    Min.   :   0.0
 1st Qu.: 0.00    1st Qu.:   2.00   1st Qu.: 1.00    1st Qu.:  40.0
 Median : 0.00    Median :   5.00   Median : 1.00    Median : 100.0
 Mean   : 2.26    Mean   :  19.49   Mean   : 2.75    Mean   : 213.1
 3rd Qu.: 3.00    3rd Qu.:  15.00   3rd Qu.: 4.00    3rd Qu.: 210.0
 Max.   :12.00    Max.   :1000.00   Max.   :10.00    Max.   :7650.0
 NA's   :143543   NA's   :238395    NA's   :238395   NA's   :221383
      Q05             Q06A             Q06B             Q07
 Min.   : 0.00    Min.   :   0.05   Min.   : 1.00    Min.   :    0.0
 1st Qu.: 0.00    1st Qu.:   1.00   1st Qu.: 1.00    1st Qu.:   24.0
 Median : 3.00    Median :   2.00   Median : 1.00    Median :   50.0
 Mean   : 5.14    Mean   :  43.08   Mean   : 2.17    Mean   :  121.8
 3rd Qu.:12.00    3rd Qu.:  10.00   3rd Qu.: 2.00    3rd Qu.:  108.0
 Max.   :12.00    Max.   :1680.00   Max.   :10.00    Max.   :17280.0
 NA's   :122225   NA's   :198320    NA's   :198322   NA's   :160813
      Q08
 Min.   :    0.00
 1st Qu.:    0.00
 Median :    0.00
 Mean   :   33.37
 3rd Qu.:    0.00
 Max.   :36000.00
 NA's   :122225


#####  xt014  ##########################################
     WWWHH           WWW             HH              ITM            Q04
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :140   Min.   :    0
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:140   1st Qu.:  500
 Median :66859   Median :668.5   Median : 9.000   Median :145   Median : 2000
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   :145   Mean   : 2249
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:150   3rd Qu.: 3333
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :150   Max.   :30000
      Q07             Q08
 Min.   :    0   Min.   :    0
 1st Qu.: 1500   1st Qu.:  100
 Median : 2500   Median :  450
 Mean   : 3028   Mean   : 1180
 3rd Qu.: 3831   3rd Qu.: 1000
 Max.   :30000   Max.   :83950
```

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#####  xt015  ##########################################
     WWWHH           WWW             HH              ITM             Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :210.0   Min.   :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:221.0   1st Qu.:1.000
 Median :66859   Median :668.5   Median : 9.000   Median :228.5   Median :1.000
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   :228.6   Mean   :1.372
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:236.0   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :260.0   Max.   :2.000

      Q02               Q03
 Min.   :     0.0   Min.   :     0
 1st Qu.:     0.0   1st Qu.:   200
 Median :    24.0   Median :   550
 Mean   :   347.5   Mean   :  3932
 3rd Qu.:   132.8   3rd Qu.:  2500
 Max.   :200564.0   Max.   :800000
 NA's   :43674      NA's   :43675


#####  xt016  ##########################################
     WWWHH           WWW             HH              ITM             Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :310.0   Min.   :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:319.0   1st Qu.:2.000
 Median :66859   Median :668.5   Median : 9.000   Median :328.0   Median :2.000
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   :367.6   Mean   :1.786
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:418.0   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :428.0   Max.   :2.000
                                                                  NA's   :6
      Q02
 Min.   :      0
 1st Qu.:    100
 Median :    450
 Mean   :   4842
 3rd Qu.:   1500
 Max.   :1614938
 NA's   :113821


#####  xt017  ##########################################
     WWWHH           WWW             HH              ITM             Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 50   Min.   :1.000
 1st Qu.:58511   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:505   1st Qu.:1.000
 Median :66901   Median :669.0   Median : 9.000   Median :509   Median :2.000
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   :509   Mean   :1.734
 3rd Qu.:75308   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:513   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :517   Max.   :2.000

      Q02             Q03             Q04             Q05
 Min.   : 1.00   Min.   : 0.0    Min.   :1.00    Min.   :     40
 1st Qu.: 1.00   1st Qu.: 1.0    1st Qu.:1.00    1st Qu.:    838
 Median : 1.00   Median : 3.0    Median :1.00    Median :   2000
 Mean   : 1.36   Mean   : 4.5    Mean   :1.13    Mean   :  10776
 3rd Qu.: 1.00   3rd Qu.: 6.0    3rd Qu.:1.00    3rd Qu.:   4500
 Max.   :15.00   Max.   :50.0    Max.   :3.00    Max.   :5000000
 NA's   :59112   NA's   :59112   NA's   :59112   NA's   :59114
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      Q06
 Min.    :      0
 1st Qu.:   1000
 Median :   2000
 Mean   :   9224
 3rd Qu.:   7825
 Max.    :2200000
 NA's    :48834


#####  xt018  ##########################################
     WWWHH           WWW             HH              ITM             Q01
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    :600.0   Min.    :1.000
 1st Qu.:58511   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:603.0   1st Qu.:2.000
 Median :66901   Median :669.0   Median : 9.000   Median :606.0   Median :2.000
 Mean   :66857   Mean   :668.5   Mean   : 9.147   Mean   :606.5   Mean   :1.762
 3rd Qu.:75308   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:610.0   3rd Qu.:2.000
 Max.    :83417   Max.    :834.0   Max.    :22.000   Max.    :613.0   Max.    :2.000
                                                                   NA's    :1
      Q02             Q03
 Min.    :   0    Min.    :    0
 1st Qu.:   0    1st Qu.:  200
 Median :  20    Median :  750
 Mean   : 144    Mean   : 1881
 3rd Qu.: 200    3rd Qu.: 2700
 Max.    :5300    Max.    :38040
 NA's    :41696   NA's    :41696


#####  xt019  ##########################################
     WWWHH           WWW             HH              IDC             Q01
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    : 1.000   Min.    : 1.000
 1st Qu.:58407   1st Qu.:584.0   1st Qu.: 5.000   1st Qu.: 2.000   1st Qu.: 1.000
 Median :66916   Median :669.0   Median : 9.000   Median : 3.000   Median : 1.000
 Mean   :66860   Mean   :668.5   Mean   : 9.124   Mean   : 3.554   Mean   : 2.088
 3rd Qu.:75410   3rd Qu.:754.0   3rd Qu.:14.000   3rd Qu.: 5.000   3rd Qu.: 2.000
 Max.    :83417   Max.    :834.0   Max.    :22.000   Max.    :32.000   Max.    :33.000

      Q02             Q03             Q04             Q05             Q06
 Min.    :1.000   Min.    :1.000   Min.    :1.000   Min.    :1.000   Min.    :1.000
 1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:2.000
 Median :1.000   Median :1.000   Median :1.000   Median :2.000   Median :4.000
 Mean   :1.441   Mean   :1.051   Mean   :1.154   Mean   :1.903   Mean   :4.439
 3rd Qu.:2.000   3rd Qu.:1.000   3rd Qu.:1.000   3rd Qu.:3.000   3rd Qu.:6.000
 Max.    :2.000   Max.    :2.000   Max.    :5.000   Max.    :3.000   Max.    :9.000
                 NA's    :7813   NA's    :8319                   NA's    :10455


#####  xt020  ##########################################
     WWWHH           WWW             HH              IDC             Q01
 Min.    :50104   Min.    :501.0   Min.    : 1.000   Min.    : 1.000   Min.    :1.000
 1st Qu.:58902   1st Qu.:589.0   1st Qu.: 5.000   1st Qu.: 1.000   1st Qu.:1.000
 Median :66802   Median :668.0   Median :10.000   Median : 2.000   Median :1.000
 Mean   :67104   Mean   :670.9   Mean   : 9.296   Mean   : 2.877   Mean   :1.075
 3rd Qu.:75808   3rd Qu.:758.0   3rd Qu.:14.000   3rd Qu.: 4.000   3rd Qu.:1.000
 Max.    :83417   Max.    :834.0   Max.    :22.000   Max.    :42.000   Max.    :4.000
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      Q02              Q03              Q04              Q05
 Min.   : 0.000   Min.   : 0.000   Min.   : 1.000   Min.   : 1.000
 1st Qu.: 4.000   1st Qu.: 5.000   1st Qu.: 7.000   1st Qu.: 4.000
 Median : 7.000   Median : 5.000   Median :10.000   Median : 4.000
 Mean   : 7.278   Mean   : 4.966   Mean   : 8.967   Mean   : 5.434
 3rd Qu.:10.000   3rd Qu.: 5.000   3rd Qu.:10.000   3rd Qu.: 8.000
 Max.   :16.000   Max.   :99.000   Max.   :99.000   Max.   :10.000
                                   NA's   :1284
```

```
#####  xt021  ##########################################
     WWWHH            WWW              HH               IDC              Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 1.000   Min.   :1.000
 1st Qu.:58107   1st Qu.:581.0   1st Qu.: 5.000   1st Qu.: 3.000   1st Qu.:1.000
 Median :66916   Median :669.0   Median : 9.000   Median : 4.000   Median :1.000
 Mean   :66688   Mean   :666.8   Mean   : 9.153   Mean   : 4.771   Mean   :1.256
 3rd Qu.:75201   3rd Qu.:752.0   3rd Qu.:14.000   3rd Qu.: 6.000   3rd Qu.:1.000
 Max.   :83414   Max.   :834.0   Max.   :22.000   Max.   :31.000   Max.   :4.000

      Q02              Q03              Q04              Q05
 Min.   : 0.000   Min.   : 0.000   Min.   : 0.000   Min.   :1.000
 1st Qu.: 2.000   1st Qu.: 2.000   1st Qu.: 7.000   1st Qu.:1.000
 Median : 4.000   Median : 5.000   Median : 9.000   Median :1.000
 Mean   : 5.079   Mean   : 3.934   Mean   : 8.765   Mean   :1.184
 3rd Qu.: 8.000   3rd Qu.: 5.000   3rd Qu.:10.000   3rd Qu.:1.000
 Max.   :16.000   Max.   :10.000   Max.   :15.000   Max.   :5.000
                                   NA's   :3324
      Q06A             Q06B             Q07              Q08              Q09
 Min.   :0.0000   Min.   : 0.00   Min.   :     0   Min.   :1.000   Min.   :    0
 1st Qu.:0.0000   1st Qu.: 5.00   1st Qu.:   300   1st Qu.:2.000   1st Qu.:  250
 Median :0.0000   Median :15.00   Median :  1000   Median :2.000   Median :  250
 Mean   :0.2674   Mean   :15.89   Mean   :  3280   Mean   :1.956   Mean   : 2134
 3rd Qu.:0.0000   3rd Qu.:30.00   3rd Qu.:  3000   3rd Qu.:2.000   3rd Qu.: 2070
 Max.   :6.0000   Max.   :50.00   Max.   :300000   Max.   :2.000   Max.   :50000
                                                                   NA's   :5310
```

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#####  xt022  ##########################################
     WWWHH            WWW              HH               IDC              Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 1.000   Min.   : 1.000
 1st Qu.:58319   1st Qu.:583.0   1st Qu.: 5.000   1st Qu.: 2.000   1st Qu.: 1.000
 Median :67001   Median :670.0   Median : 9.000   Median : 3.000   Median : 1.000
 Mean   :66865   Mean   :668.6   Mean   : 9.112   Mean   : 3.835   Mean   : 1.985
 3rd Qu.:75503   3rd Qu.:755.0   3rd Qu.:14.000   3rd Qu.: 5.000   3rd Qu.: 2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :32.000   Max.   :32.000

      Q02              Q03              Q04              Q05              Q06
 Min.   :1.000   Min.   : 1.00   Min.   : 0.000   Min.   :     0   Min.   :  0.00
 1st Qu.:2.000   1st Qu.: 3.00   1st Qu.: 3.000   1st Qu.:   160   1st Qu.:  0.00
 Median :2.000   Median : 6.00   Median : 5.000   Median :  1000   Median :  7.00
 Mean   :1.944   Mean   : 7.03   Mean   : 7.513   Mean   :  3940   Mean   : 32.89
 3rd Qu.:2.000   3rd Qu.:12.00   3rd Qu.:10.000   3rd Qu.:  3000   3rd Qu.: 25.00
 Max.   :2.000   Max.   :12.00   Max.   :60.000   Max.   :500000   Max.   :365.00
 NA's   :7       NA's   :19139   NA's   :19140    NA's   :19140    NA's   :19141
      Q07
```

```
 Min.    :1.000
 1st Qu.:1.000
 Median :1.000
 Mean   :1.437
 3rd Qu.:2.000
 Max.    :4.000
```

```
#####  xt023  ##########################################
     WWWHH           WWW             HH              IDC             Q01A
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    : 1.000   Min.    :10.00
 1st Qu.:58319   1st Qu.:583.0   1st Qu.: 5.000   1st Qu.: 2.000   1st Qu.:59.00
 Median :67001   Median :670.0   Median : 9.000   Median : 3.000   Median :60.00
 Mean   :66866   Mean   :668.6   Mean   : 9.112   Mean   : 3.835   Mean   :73.28
 3rd Qu.:75503   3rd Qu.:755.0   3rd Qu.:14.000   3rd Qu.: 5.000   3rd Qu.:99.00
 Max.    :83417   Max.    :834.0   Max.    :22.000   Max.    :32.000   Max.    :99.00

      Q01B            Q01C            Q02             Q03             Q04
 Min.    : 0.000   Min.    : 0.00   Min.    : 1.000   Min.    :1.000   Min.    : 1.000
 1st Qu.: 3.000   1st Qu.: 6.00   1st Qu.: 5.000   1st Qu.:1.000   1st Qu.: 3.000
 Median : 5.000   Median :12.00   Median : 5.000   Median :1.000   Median : 7.000
 Mean   : 5.675   Mean   :12.79   Mean   : 7.131   Mean   :1.347   Mean   : 5.309
 3rd Qu.: 8.000   3rd Qu.:20.00   3rd Qu.:12.000   3rd Qu.:2.000   3rd Qu.: 7.000
 Max.    :12.000   Max.    :32.00   Max.    :12.000   Max.    :2.000   Max.    :10.000
 NA's    :10212   NA's    :10222   NA's    :17652   NA's    :17652   NA's    :18559
      Q05             Q06A            Q06B            Q06C            Q06D
 Min.    :1.000   Min.    :     0.0   Min.    :    0.0   Min.    :     0.0   Min.    :    0.00
 1st Qu.:2.000   1st Qu.:    95.0   1st Qu.:    0.0   1st Qu.:    75.0   1st Qu.:    0.00
 Median :4.000   Median :   208.0   Median :    2.0   Median :   200.0   Median :    0.00
 Mean   :3.371   Mean   :   808.1   Mean   :  149.9   Mean   :   594.8   Mean   :   63.39
 3rd Qu.:5.000   3rd Qu.:   500.0   3rd Qu.:   50.0   3rd Qu.:   400.0   3rd Qu.:    0.00
 Max.    :8.000   Max.    :200000.0   Max.    :35000.0   Max.    :160000.0   Max.    :12000.00
 NA's    :18559   NA's    :18559      NA's    :18559      NA's    :18559      NA's    :18559
```

```
#####  xt024  ##########################################
     WWWHH           WWW             HH              IDC
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    : 1.000
 1st Qu.:58417   1st Qu.:584.0   1st Qu.: 5.000   1st Qu.: 2.000
 Median :66814   Median :668.0   Median : 9.000   Median : 3.000
 Mean   :66837   Mean   :668.3   Mean   : 9.121   Mean   : 3.377
 3rd Qu.:75401   3rd Qu.:754.0   3rd Qu.:14.000   3rd Qu.: 4.000
 Max.    :83417   Max.    :834.0   Max.    :22.000   Max.    :32.000

      Q07              Q08             Q09             Q10
 Min.    :     0.0   Min.    :1.000   Min.    : 1.000   Min.    :1.000
 1st Qu.:    12.0   1st Qu.:1.000   1st Qu.: 3.000   1st Qu.:1.000
 Median :   100.0   Median :1.000   Median : 4.000   Median :1.000
 Mean   :   582.3   Mean   :1.469   Mean   : 6.615   Mean   :1.322
 3rd Qu.:   350.0   3rd Qu.:2.000   3rd Qu.: 7.000   3rd Qu.:2.000
 Max.    :200000.0   Max.    :2.000   Max.    :90.000   Max.    :2.000
 NA's    :13224      NA's    :13807   NA's    :14783   NA's    :15771
      Q11             Q12             Q13             Q14
 Min.    :1.000   Min.    :1.000   Min.    :1.000   Min.    :1.000
 1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000
```

```
 Median :1.000   Median :2.000   Median :1.000   Median :2.000
 Mean   :1.462   Mean   :3.558   Mean   :1.383   Mean   :2.081
 3rd Qu.:2.000   3rd Qu.:7.000   3rd Qu.:2.000   3rd Qu.:3.000
 Max.   :4.000   Max.   :8.000   Max.   :2.000   Max.   :6.000
 NA's   :15809   NA's   :15837   NA's   :837     NA's   :6610


#####  xt025  ##########################################
     WWWHH           WWW             HH              IDC             Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 2.000   Min.   :1.000
 1st Qu.:57917   1st Qu.:579.0   1st Qu.: 4.000   1st Qu.: 4.000   1st Qu.:1.000
 Median :67004   Median :670.0   Median : 9.000   Median : 5.000   Median :1.000
 Mean   :66893   Mean   :668.8   Mean   : 9.028   Mean   : 5.796   Mean   :1.075
 3rd Qu.:75707   3rd Qu.:757.0   3rd Qu.:14.000   3rd Qu.: 7.000   3rd Qu.:1.000
 Max.   :83417   Max.   :834.0   Max.   :21.000   Max.   :29.000   Max.   :3.000

      Q02             Q03A            Q03B            Q03C            Q03D
 Min.   :1.000   Min.   :1.000   Min.   :1.00   Min.   :1.00   Min.   :0.000
 1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.00   1st Qu.:1.00   1st Qu.:1.000
 Median :2.000   Median :1.000   Median :1.00   Median :1.00   Median :1.000
 Mean   :1.562   Mean   :1.011   Mean   :1.03   Mean   :1.08   Mean   :1.128
 3rd Qu.:2.000   3rd Qu.:1.000   3rd Qu.:1.00   3rd Qu.:1.00   3rd Qu.:1.000
 Max.   :2.000   Max.   :2.000   Max.   :2.00   Max.   :2.00   Max.   :2.000
 NA's   :181     NA's   :1508    NA's   :1510   NA's   :1516   NA's   :1526
      Q03E            Q03F            Q03G            Q03H            Q04
 Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :0.000   Min.   :1.000
 1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:6.000
 Median :1.000   Median :1.000   Median :1.000   Median :1.000   Median :8.000
 Mean   :1.047   Mean   :1.093   Mean   :1.136   Mean   :1.217   Mean   :6.859
 3rd Qu.:1.000   3rd Qu.:1.000   3rd Qu.:1.000   3rd Qu.:1.000   3rd Qu.:8.000
 Max.   :2.000   Max.   :2.000   Max.   :2.000   Max.   :2.000   Max.   :8.000
 NA's   :1514    NA's   :1523    NA's   :1532    NA's   :1537    NA's   :180
      Q05
 Min.   :1.000
 1st Qu.:1.000
 Median :3.000
 Mean   :3.044
 3rd Qu.:5.000
 Max.   :6.000
 NA's   :180


#####  xt026  ##########################################
     WWWHH           WWW             HH              IDC             IDR
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 1.000   Min.   : 1.000
 1st Qu.:58215   1st Qu.:582.0   1st Qu.: 5.000   1st Qu.: 2.000   1st Qu.: 2.000
 Median :66616   Median :666.0   Median : 9.000   Median : 2.000   Median : 2.000
 Mean   :66768   Mean   :667.6   Mean   : 9.147   Mean   : 2.703   Mean   : 2.652
 3rd Qu.:75310   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.: 3.000   3rd Qu.: 3.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :28.000   Max.   :28.000


#####  xt027  ##########################################
     WWWHH           WWW             HH              IDC             BIR
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 1.000   Min.   : 1.00
 1st Qu.:58104   1st Qu.:581.0   1st Qu.: 5.000   1st Qu.: 2.000   1st Qu.: 1.00
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 Median :66859   Median :668.5   Median : 9.000   Median : 2.000   Median : 2.00
 Mean   :66712   Mean   :667.0   Mean   : 9.122   Mean   : 2.413   Mean   : 2.67
 3rd Qu.:75202   3rd Qu.:752.0   3rd Qu.:14.000   3rd Qu.: 2.000   3rd Qu.: 4.00
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :28.000   Max.   :12.00

      Q01A            Q01B           Q02                Q03            Q04
 Min.   : 1.000   Min.   :23.00   Length:11800       Min.   :1.000   Min.   :1.0
 1st Qu.: 3.000   1st Qu.:43.00   Class :character   1st Qu.:1.000   1st Qu.:1.0
 Median : 6.000   Median :49.00   Mode  :character   Median :1.000   Median :1.0
 Mean   : 6.267   Mean   :48.29                      Mean   :1.483   Mean   :1.1
 3rd Qu.: 9.000   3rd Qu.:54.00                      3rd Qu.:2.000   3rd Qu.:1.0
 Max.   :12.000   Max.   :60.00                      Max.   :2.000   Max.   :2.0

      Q05            Q06             Q07A            Q07B            Q07C
 Min.   :1.00   Min.   : 1.000   Min.   : 0.000   Min.   : 0.000   Min.   : 0.000
 1st Qu.:1.00   1st Qu.: 3.000   1st Qu.: 0.000   1st Qu.: 0.000   1st Qu.: 0.000
 Median :1.00   Median : 4.000   Median : 0.000   Median : 0.000   Median : 1.000
 Mean   :1.15   Mean   : 4.944   Mean   : 1.569   Mean   : 1.719   Mean   : 4.226
 3rd Qu.:1.00   3rd Qu.: 6.000   3rd Qu.: 1.000   3rd Qu.: 3.000   3rd Qu.: 6.000
 Max.   :2.00   Max.   :31.000   Max.   :28.000   Max.   :12.000   Max.   :30.000
 NA's   :1177   NA's   :2774     NA's   :10623    NA's   :10837    NA's   :10840
      Q08
 Min.   : 0.00
 1st Qu.: 5.00
 Median :10.00
 Mean   :31.54
 3rd Qu.:99.00
 Max.   :99.00
 NA's   :10052


#####  xt028  ##########################################
     WWWHH           WWW             HH              IDC             Q01
 Min.   :50104   Min.   :501.0   Min.   : 1.000   Min.   : 1.000   Min.   :1.000
 1st Qu.:57708   1st Qu.:577.0   1st Qu.: 5.000   1st Qu.: 2.000   1st Qu.:1.000
 Median :66617   Median :666.0   Median :10.000   Median : 2.000   Median :1.000
 Mean   :66634   Mean   :666.2   Mean   : 9.176   Mean   : 3.269   Mean   :1.412
 3rd Qu.:75310   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.: 4.000   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :21.000   Max.   :26.000   Max.   :2.000
                                                                   NA's   :1
      Q02             Q03             Q04             Q05             Q06
 Min.   : 1.000   Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :1.000
 1st Qu.: 1.000   1st Qu.:1.000   1st Qu.:3.000   1st Qu.:1.000   1st Qu.:2.000
 Median : 4.000   Median :2.000   Median :4.000   Median :1.000   Median :2.000
 Mean   : 3.427   Mean   :1.735   Mean   :4.236   Mean   :1.056   Mean   :2.239
 3rd Qu.: 4.000   3rd Qu.:2.000   3rd Qu.:6.000   3rd Qu.:1.000   3rd Qu.:3.000
 Max.   :10.000   Max.   :5.000   Max.   :9.000   Max.   :2.000   Max.   :3.000
 NA's   :628      NA's   :628     NA's   :628     NA's   :628     NA's   :678
      Q07             Q08             Q09             Q10             Q11
 Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   : 1.000   Min.   :1.000
 1st Qu.:1.000   1st Qu.:1.000   1st Qu.:2.000   1st Qu.: 2.000   1st Qu.:1.000
 Median :1.000   Median :1.000   Median :2.000   Median : 4.000   Median :1.500
 Mean   :1.836   Mean   :2.611   Mean   :1.855   Mean   : 3.896   Mean   :1.677
 3rd Qu.:1.000   3rd Qu.:5.000   3rd Qu.:2.000   3rd Qu.: 4.000   3rd Qu.:2.000
 Max.   :7.000   Max.   :8.000   Max.   :2.000   Max.   :10.000   Max.   :3.000
 NA's   :1       NA's   :1       NA's   :1       NA's   :1302     NA's   :1302
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#####  xt029  ##########################################
     WWWHH           WWW             HH              IDC             Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 1.000   Min.   : 5.00
 1st Qu.:58180   1st Qu.:581.8   1st Qu.: 5.000   1st Qu.: 2.000   1st Qu.:15.00
 Median :66611   Median :666.0   Median : 9.000   Median : 2.000   Median :17.00
 Mean   :66720   Mean   :667.1   Mean   : 9.162   Mean   : 2.934   Mean   :17.28
 3rd Qu.:75304   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.: 4.000   3rd Qu.:19.00
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :28.000   Max.   :43.00

      Q02             Q03             Q04             Q05             Q06
 Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :1.000
 1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:2.000
 Median :1.000   Median :3.000   Median :1.000   Median :1.000   Median :3.000
 Mean   :1.217   Mean   :3.022   Mean   :1.384   Mean   :1.166   Mean   :2.767
 3rd Qu.:1.000   3rd Qu.:5.000   3rd Qu.:2.000   3rd Qu.:1.000   3rd Qu.:4.000
 Max.   :2.000   Max.   :7.000   Max.   :2.000   Max.   :2.000   Max.   :5.000
                 NA's   :859     NA's   :859     NA's   :2048    NA's   :2364
      Q07             Q08             Q09            Q10T            Q10B
 Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   : 1.000   Min.   :0.000
 1st Qu.:1.000   1st Qu.:4.000   1st Qu.:2.000   1st Qu.: 2.000   1st Qu.:1.000
 Median :1.000   Median :4.000   Median :2.000   Median : 2.000   Median :1.000
 Mean   :2.029   Mean   :4.917   Mean   :1.887   Mean   : 4.846   Mean   :1.446
 3rd Qu.:3.000   3rd Qu.:6.000   3rd Qu.:2.000   3rd Qu.: 3.000   3rd Qu.:2.000
 Max.   :6.000   Max.   :8.000   Max.   :2.000   Max.   :99.000   Max.   :5.000
 NA's   :2383    NA's   :2447                                     NA's   :98
      Q10G
 Min.   :0.000
 1st Qu.:1.000
 Median :1.000
 Mean   :1.117
 3rd Qu.:1.000
 Max.   :5.000
 NA's   :129


#####  xt030  ##########################################
     WWWHH           WWW             HH              ACT
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Length:2555
 1st Qu.:57905   1st Qu.:579.0   1st Qu.: 4.000   Class :character
 Median :66902   Median :669.0   Median : 8.000   Mode  :character
 Mean   :66374   Mean   :663.6   Mean   : 8.881
 3rd Qu.:74801   3rd Qu.:748.0   3rd Qu.:14.000
 Max.   :83214   Max.   :832.0   Max.   :18.000

      IDC             Q01A               Q01B            Q02
 Min.   : 1.000   Length:2555        Min.   :611.0   Min.   :1.000
 1st Qu.: 1.000   Class :character   1st Qu.:921.0   1st Qu.:1.000
 Median : 2.000   Mode  :character   Median :921.0   Median :1.000
 Mean   : 2.305                      Mean   :919.1   Mean   :1.212
 3rd Qu.: 3.000                      3rd Qu.:921.0   3rd Qu.:1.000
 Max.   :20.000                      Max.   :921.0   Max.   :3.000

      Q03              Q04A            Q04B            Q05A
 Min.   :  0.00   Min.   :0.000   Min.   :0.000   Min.   :  0.00
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```
 1st Qu.: 30.00   1st Qu.:4.000   1st Qu.:6.000   1st Qu.: 15.00
 Median : 50.00   Median :4.000   Median :7.000   Median : 25.00
 Mean   : 50.02   Mean   :3.899   Mean   :6.093   Mean   : 29.76
 3rd Qu.: 60.00   3rd Qu.:4.000   3rd Qu.:7.000   3rd Qu.: 40.00
 Max.   :300.00   Max.   :7.000   Max.   :7.000   Max.   :150.00
 NA's   :285      NA's   :284     NA's   :731     NA's   :499
      Q05B
 Min.   :  0.000
 1st Qu.:  0.000
 Median :  0.000
 Mean   :  3.754
 3rd Qu.:  0.000
 Max.   :300.000
 NA's   :501


#####  xt031  ############################################
     WWWHH            WWW            HH             ACT
 Min.   :50101   Min.   :501   Min.   : 1.000   Length:284
 1st Qu.:58215   1st Qu.:582   1st Qu.: 4.000   Class :character
 Median :65113   Median :651   Median : 8.500   Mode  :character
 Mean   :64612   Mean   :646   Mean   : 8.757
 3rd Qu.:71901   3rd Qu.:719   3rd Qu.:13.000
 Max.   :82510   Max.   :825   Max.   :18.000

      Q06              Q07A            Q07B            Q08A            Q08B
 Min.   :    0.0   Min.   :1.000   Min.   :0.000   Min.   : 0.00   Min.   :   0.0
 1st Qu.:  187.5   1st Qu.:1.000   1st Qu.:4.000   1st Qu.:20.00   1st Qu.:   3.5
 Median : 2500.0   Median :4.000   Median :4.000   Median :32.00   Median : 150.0
 Mean   : 6031.0   Mean   :3.818   Mean   :4.636   Mean   :32.91   Mean   : 330.7
 3rd Qu.: 9400.0   3rd Qu.:7.000   3rd Qu.:5.750   3rd Qu.:50.00   3rd Qu.: 500.0
 Max.   :28800.0   Max.   :7.000   Max.   :7.000   Max.   :60.00   Max.   :1500.0
 NA's   :257       NA's   :251     NA's   :262     NA's   :261     NA's   :261
      Q09             Q10             Q11             Q12             Q13
 Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :   48
 1st Qu.:1.000   1st Qu.:1.000   1st Qu.:2.000   1st Qu.:1.500   1st Qu.:  540
 Median :2.000   Median :2.000   Median :2.000   Median :2.000   Median : 1120
 Mean   :1.704   Mean   :1.593   Mean   :1.889   Mean   :1.741   Mean   : 2008
 3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.: 2520
 Max.   :2.000   Max.   :2.000   Max.   :2.000   Max.   :2.000   Max.   :16000
 NA's   :257     NA's   :257     NA's   :257     NA's   :257     NA's   :27


#####  xt032  ############################################
     WWWHH            WWW             HH             ACT
 Min.   :50116   Min.   :501.0   Min.   : 1.000   Length:2536
 1st Qu.:58605   1st Qu.:586.0   1st Qu.: 5.000   Class :character
 Median :67203   Median :672.0   Median : 9.000   Mode  :character
 Mean   :67219   Mean   :672.1   Mean   : 9.206
 3rd Qu.:76209   3rd Qu.:762.0   3rd Qu.:14.000
 Max.   :83417   Max.   :834.0   Max.   :22.000

      IDC             Q01A              Q01B            Q02A
 Min.   : 1.000   Length:2536        Min.   : 11.0   Length:2536
 1st Qu.: 1.000   Class :character   1st Qu.:512.0   Class :character
 Median : 1.000   Mode  :character   Median :721.0   Mode  :character
```

```
 Mean   : 2.308                     Mean   :673.9
 3rd Qu.: 3.000                     3rd Qu.:914.0
 Max.   :27.000                     Max.   :933.0
                                    NA's   :1
     Q02B            Q03             Q04              Q05A            Q05B
 Min.   : 1.0   Min.   :1.000   Min.   :   0.0   Min.   :0.000   Min.   :0.000
 1st Qu.:36.0   1st Qu.:1.000   1st Qu.:  80.0   1st Qu.:4.000   1st Qu.:6.000
 Median :45.0   Median :2.000   Median : 100.0   Median :7.000   Median :7.000
 Mean   :51.2   Mean   :1.759   Mean   : 118.5   Mean   :5.591   Mean   :6.443
 3rd Qu.:75.0   3rd Qu.:2.000   3rd Qu.: 150.0   3rd Qu.:7.000   3rd Qu.:7.000
 Max.   :99.0   Max.   :3.000   Max.   :1000.0   Max.   :7.000   Max.   :7.000
 NA's   :2                      NA's   :1491     NA's   :1493    NA's   :2179
     Q06A            Q06B
 Min.   :  0.0   Min.   :  0.00
 1st Qu.: 20.0   1st Qu.:  0.00
 Median : 30.0   Median :  0.00
 Mean   : 41.4   Mean   : 14.72
 3rd Qu.: 50.0   3rd Qu.:  0.00
 Max.   :200.0   Max.   :700.00
 NA's   :2080    NA's   :2082


#####  xt033  ############################################
     WWWHH            WWW              HH              ACT
 Min.   :50216   Min.   :502.0   Min.   : 1.000   Length:1492
 1st Qu.:59009   1st Qu.:590.0   1st Qu.: 5.000   Class :character
 Median :67614   Median :676.0   Median : 9.000   Mode  :character
 Mean   :67553   Mean   :675.4   Mean   : 9.229
 3rd Qu.:76816   3rd Qu.:768.0   3rd Qu.:14.000
 Max.   :83416   Max.   :834.0   Max.   :22.000

     Q07A              Q07B              Q07C              Q07D
 Min.   :      0   Min.   :    0.00   Min.   :      0   Min.   :    0.0
 1st Qu.:   2325   1st Qu.:    0.00   1st Qu.:      0   1st Qu.:    0.0
 Median :   3600   Median :    0.00   Median :   1500   Median :    0.0
 Mean   :   6172   Mean   :   69.12   Mean   :   4813   Mean   :  409.3
 3rd Qu.:   5000   3rd Qu.:    0.00   3rd Qu.:   4500   3rd Qu.:    0.0
 Max.   :1600000   Max.   :10000.00   Max.   :1600000   Max.   :20000.0
 NA's   :434       NA's   :436        NA's   :436       NA's   :437
     Q07E             Q08             Q09             Q10             Q11
 Min.   :     0   Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :1.000
 1st Qu.:     0   1st Qu.:2.000   1st Qu.:1.000   1st Qu.:2.000   1st Qu.:1.000
 Median :     0   Median :2.000   Median :2.000   Median :2.000   Median :2.000
 Mean   :  2342   Mean   :1.862   Mean   :1.687   Mean   :1.786   Mean   :1.743
 3rd Qu.:     0   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000
 Max.   :120960   Max.   :2.000   Max.   :2.000   Max.   :2.000   Max.   :2.000
 NA's   :436      NA's   :435     NA's   :435     NA's   :435     NA's   :435
     Q12             Q13
 Min.   :1.000   Min.   :    200
 1st Qu.:2.000   1st Qu.:   4000
 Median :3.000   Median :   9600
 Mean   :2.474   Mean   :  25074
 3rd Qu.:3.000   3rd Qu.:  24000
 Max.   :3.000   Max.   :1500000
 NA's   :434     NA's   :1058
```

```
#####  xt034  ##########################################
     WWWHH           WWW             HH              RID             Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 1.000   Min.   :1.000
 1st Qu.:58512   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.: 1.000   1st Qu.:1.000
 Median :66901   Median :669.0   Median : 9.000   Median : 1.000   Median :1.000
 Mean   :66857   Mean   :668.5   Mean   : 9.144   Mean   : 1.306   Mean   :1.274
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.: 1.000   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :33.000   Max.   :2.000


#####  xt035  ##########################################
     WWWHH           WWW             HH              PNO             Q03A
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 1.000   Min.   : 0.000
 1st Qu.:58417   1st Qu.:584.0   1st Qu.: 4.000   1st Qu.: 1.000   1st Qu.: 0.000
 Median :66408   Median :664.0   Median : 9.000   Median : 2.000   Median : 1.000
 Mean   :66319   Mean   :663.1   Mean   : 9.035   Mean   : 3.132   Mean   : 2.388
 3rd Qu.:74404   3rd Qu.:744.0   3rd Qu.:14.000   3rd Qu.: 4.000   3rd Qu.: 3.000
 Max.   :83417   Max.   :834.0   Max.   :20.000   Max.   :30.000   Max.   :57.000

      Q03B            Q03C            Q03D            Q04             Q05
 Min.   : 0.000   Min.   : 0.0000   Min.   :1.000   Min.   : 1.00   Min.   :1.000
 1st Qu.: 0.000   1st Qu.: 0.0000   1st Qu.:1.000   1st Qu.:18.00   1st Qu.:1.000
 Median : 1.000   Median : 0.0000   Median :1.000   Median :35.00   Median :1.000
 Mean   : 3.279   Mean   : 0.8825   Mean   :1.377   Mean   :36.16   Mean   :1.495
 3rd Qu.: 6.000   3rd Qu.: 0.0000   3rd Qu.:2.000   3rd Qu.:52.00   3rd Qu.:2.000
 Max.   :19.000   Max.   :19.0000   Max.   :2.000   Max.   :81.00   Max.   :2.000

      Q06             Q07             Q08             Q09
 Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :       0
 1st Qu.:1.000   1st Qu.:1.000   1st Qu.:2.000   1st Qu.:   20000
 Median :2.000   Median :2.000   Median :2.000   Median :   50000
 Mean   :1.593   Mean   :1.539   Mean   :2.086   Mean   :  156250
 3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:  140000
 Max.   :2.000   Max.   :2.000   Max.   :5.000   Max.   :17000000
                 NA's   :5206    NA's   :5206


#####  xt036  ##########################################
     WWWHH           WWW             HH              PNO             Q10
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 1.000   Min.   :1.000
 1st Qu.:58417   1st Qu.:584.0   1st Qu.: 4.000   1st Qu.: 1.000   1st Qu.:1.000
 Median :66408   Median :664.0   Median : 9.000   Median : 2.000   Median :1.000
 Mean   :66319   Mean   :663.1   Mean   : 9.035   Mean   : 3.132   Mean   :1.895
 3rd Qu.:74404   3rd Qu.:744.0   3rd Qu.:14.000   3rd Qu.: 4.000   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :20.000   Max.   :30.000   Max.   :6.000
                                                                   NA's   :2
      Q11C            Q11K            Q12A            Q12B            Q12C
 Min.   :    0.0   Min.   :    0   Min.   : 0.00   Min.   : 1.00   Min.   : 1.00
 1st Qu.:    0.0   1st Qu.:    0   1st Qu.: 4.00   1st Qu.:15.00   1st Qu.:18.00
 Median :    0.0   Median :  475   Median : 7.00   Median :25.00   Median :29.00
 Mean   :  997.6   Mean   : 2221   Mean   :18.23   Mean   :27.16   Mean   :31.09
 3rd Qu.:    0.0   3rd Qu.: 2400   3rd Qu.:27.00   3rd Qu.:38.00   3rd Qu.:42.00
 Max.   :30000.0   Max.   :75000   Max.   :67.00   Max.   :67.00   Max.   :67.00
 NA's   :8227      NA's   :8227    NA's   :2351    NA's   :5029    NA's   :6623
      Q12D            Q13             Q14C            Q14K            Q15A
```

```
 Min.    : 1.00   Min.    :0.000   Min.    :    0   Min.    :    0   Min.    : 1.000
 1st Qu.:22.00   1st Qu.:1.000   1st Qu.:    0   1st Qu.:    0   1st Qu.: 2.000
 Median :37.00   Median :1.000   Median :    0   Median : 1212   Median : 6.000
 Mean   :33.74   Mean   :1.245   Mean   : 1644   Mean   : 3619   Mean   : 9.933
 3rd Qu.:44.00   3rd Qu.:1.000   3rd Qu.:    0   3rd Qu.: 4500   3rd Qu.: 6.000
 Max.   :67.00   Max.   :6.000   Max.   :40000   Max.   :90000   Max.   :67.000
 NA's   :7588    NA's   :2       NA's   :8143    NA's   :8143    NA's   :985
      Q15B            Q15C            Q15D
 Min.    : 1.00   Min.    : 1.00   Min.    : 1.00
 1st Qu.: 7.00   1st Qu.:12.00   1st Qu.:20.00
 Median :11.00   Median :21.00   Median :36.00
 Mean   :18.51   Mean   :27.46   Mean   :32.83
 3rd Qu.:21.00   3rd Qu.:45.00   3rd Qu.:45.00
 Max.   :67.00   Max.   :67.00   Max.   :67.00
 NA's   :3963    NA's   :6152    NA's   :7458


#####  xt037  ##########################################
     WWWHH           WWW             HH              Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:2.000
 Median :66859   Median :668.5   Median : 9.000   Median :2.000
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   :1.781
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :2.000


#####  xt038  ##########################################
     WWWHH           WWW             HH              PNO             Q03
 Min.   :50101   Min.   :501   Min.   : 1.000   Min.   : 1.000   Min.   :1.000
 1st Qu.:57907   1st Qu.:579   1st Qu.: 5.000   1st Qu.: 1.000   1st Qu.:1.000
 Median :66401   Median :664   Median : 8.000   Median : 1.000   Median :1.000
 Mean   :66614   Mean   :666   Mean   : 8.961   Mean   : 1.641   Mean   :1.586
 3rd Qu.:74817   3rd Qu.:748   3rd Qu.:13.000   3rd Qu.: 2.000   3rd Qu.:2.000
 Max.   :83213   Max.   :832   Max.   :20.000   Max.   :10.000   Max.   :4.000

      Q04              Q05A            Q05B            Q05C
 Min.    :    0.0   Min.    : 0.000   Min.    : 0.000   Min.    : 0.0000
 1st Qu.:    0.0   1st Qu.: 0.000   1st Qu.: 0.000   1st Qu.: 0.0000
 Median :    0.0   Median : 0.000   Median : 3.000   Median : 0.0000
 Mean   :  936.2   Mean   : 1.891   Mean   : 4.083   Mean   : 0.6298
 3rd Qu.:  500.0   3rd Qu.: 2.000   3rd Qu.: 8.000   3rd Qu.: 0.0000
 Max.   :23500.0   Max.   :50.000   Max.   :19.000   Max.   :18.0000
 NA's   :982
      Q05D            Q06
 Min.   :1.000   Min.   :1.000
 1st Qu.:1.000   1st Qu.:1.000
 Median :2.000   Median :2.000
 Mean   :1.577   Mean   :1.729
 3rd Qu.:2.000   3rd Qu.:2.000
 Max.   :2.000   Max.   :2.000


#####  xt039  ##########################################
     WWWHH           WWW             HH              PNO             Q07
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```
Min.    :50101   Min.    :501   Min.    : 1.000   Min.    : 1.000   Min.    :1.000
1st Qu.:57907   1st Qu.:579   1st Qu.: 5.000   1st Qu.: 1.000   1st Qu.:1.000
Median :66401   Median :664   Median : 8.000   Median : 1.000   Median :1.000
Mean   :66614   Mean   :666   Mean   : 8.961   Mean   : 1.641   Mean   :1.449
3rd Qu.:74817   3rd Qu.:748   3rd Qu.:13.000   3rd Qu.: 2.000   3rd Qu.:2.000
Max.    :83213   Max.    :832   Max.    :20.000   Max.    :10.000   Max.    :2.000

     Q08             Q09             Q10A            Q10B            Q10C
Min.    :1.000   Min.    :1.000   Min.    : 0.00   Min.    : 1.0   Min.    : 1.00
1st Qu.:1.000   1st Qu.:2.000   1st Qu.: 4.00   1st Qu.:15.0   1st Qu.:15.00
Median :2.000   Median :2.000   Median : 5.00   Median :19.0   Median :27.00
Mean   :1.518   Mean   :2.024   Mean   :12.82   Mean   :21.6   Mean   :25.59
3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:22.00   3rd Qu.:27.0   3rd Qu.:37.00
Max.    :2.000   Max.    :5.000   Max.    :66.00   Max.    :67.0   Max.    :67.00
NA's    :600     NA's    :600     NA's    :261     NA's    :815    NA's    :1099
     Q10D            Q11A            Q11B            Q11C            Q11D
Min.    : 2.00   Min.    : 1.000   Min.    : 1.00   Min.    : 2.00   Min.    : 2.00
1st Qu.:22.00   1st Qu.: 2.000   1st Qu.: 7.00   1st Qu.:11.00   1st Qu.:11.00
Median :33.00   Median : 2.000   Median :11.00   Median :12.00   Median :23.00
Mean   :30.41   Mean   : 5.047   Mean   :14.14   Mean   :22.38   Mean   :28.34
3rd Qu.:38.00   3rd Qu.: 6.000   3rd Qu.:13.00   3rd Qu.:37.00   3rd Qu.:45.00
Max.    :67.00   Max.    :66.000   Max.    :67.00   Max.    :67.00   Max.    :65.00
NA's    :1245    NA's    :69      NA's    :823     NA's    :1183    NA's    :1284


#####  xt040  ##########################################
    WWWHH            WWW              HH             Q01             Q02A
Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    :1.000   Min.    : 0.000
1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:2.000   1st Qu.: 0.000
Median :66859   Median :668.5   Median : 9.000   Median :2.000   Median : 0.000
Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   :1.967   Mean   : 1.156
3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:2.000   3rd Qu.: 1.000
Max.    :83417   Max.    :834.0   Max.    :22.000   Max.    :2.000   Max.    :19.000
                                                                    NA's    :3784
     Q02B            Q02C            Q02D            Q03
Min.    : 0.000   Min.    : 0.000   Min.    :1.000   Min.    :      0
1st Qu.: 0.000   1st Qu.: 0.000   1st Qu.:1.000   1st Qu.:  32000
Median : 3.000   Median : 0.000   Median :2.000   Median :  80000
Mean   : 3.828   Mean   : 1.859   Mean   :1.648   Mean   : 191584
3rd Qu.: 6.000   3rd Qu.: 0.000   3rd Qu.:2.000   3rd Qu.: 172500
Max.    :13.000   Max.    :18.000   Max.    :2.000   Max.    :4200000
NA's    :3784     NA's    :3784     NA's    :3784    NA's    :3784
     Q04             Q05A            Q05B            Q05C            Q05D
Min.    :1.000   Min.    : 0.000   Min.    : 0.000   Min.    : 0.000   Min.    :1.000
1st Qu.:2.000   1st Qu.: 0.000   1st Qu.: 0.000   1st Qu.: 0.000   1st Qu.:1.000
Median :2.000   Median : 0.000   Median : 1.000   Median : 0.000   Median :2.000
Mean   :1.968   Mean   : 1.381   Mean   : 2.794   Mean   : 2.032   Mean   :1.643
3rd Qu.:2.000   3rd Qu.: 2.000   3rd Qu.: 4.750   3rd Qu.: 0.000   3rd Qu.:2.000
Max.    :2.000   Max.    :15.000   Max.    :16.000   Max.    :16.000   Max.    :2.000
                 NA's    :3786     NA's    :3786     NA's    :3786     NA's    :3786
     Q06
Min.    :      0
1st Qu.:  36250
Median :  70000
Mean   : 153494
3rd Qu.: 183750
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 Max.    :2450000
 NA's    :3786


#####  xt041  ##########################################
     WWWHH            WWW              HH              CCD             Q02
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    : 1.00   Min.    :1.000
 1st Qu.:59259   1st Qu.:592.5   1st Qu.: 4.000   1st Qu.: 7.00   1st Qu.:2.000
 Median :67717   Median :677.0   Median : 9.000   Median :22.00   Median :2.000
 Mean    :67068   Mean    :670.6   Mean    : 8.987   Mean    :25.84   Mean    :1.941
 3rd Qu.:75204   3rd Qu.:752.0   3rd Qu.:13.000   3rd Qu.:42.00   3rd Qu.:2.000
 Max.    :83409   Max.    :834.0   Max.    :20.000   Max.    :67.00   Max.    :2.000
                                                                     NA's    :1
      Q03A             Q03B              Q03C              Q03D
 Min.    : 0.000   Min.    :    0.0   Min.    :   0.000   Min.    :    0.00
 1st Qu.: 1.000   1st Qu.:    5.0   1st Qu.:   0.000   1st Qu.:    0.00
 Median : 1.000   Median :   15.0   Median :   0.000   Median :    0.00
 Mean    : 2.723   Mean    :  177.5   Mean    :   5.972   Mean    :   73.82
 3rd Qu.: 5.000   3rd Qu.:   50.0   3rd Qu.:   0.000   3rd Qu.:    0.00
 Max.    :10.000   Max.    :90000.0   Max.    :3500.000   Max.    :90000.00
 NA's    :6         NA's    :2         NA's    :2         NA's    :2
      Q04A             Q04B              Q04C              Q04D
 Min.    : 1.000   Min.    :    0.00   Min.    :    0.00   Min.    :     0.0
 1st Qu.: 1.000   1st Qu.:    0.00   1st Qu.:    0.00   1st Qu.:     0.0
 Median : 1.000   Median :    0.00   Median :    0.00   Median :     0.0
 Mean    : 2.478   Mean    :   99.39   Mean    :   41.27   Mean    :   606.7
 3rd Qu.: 3.000   3rd Qu.:    0.00   3rd Qu.:    0.00   3rd Qu.:     0.0
 Max.    :10.000   Max.    :90000.00   Max.    :12000.00   Max.    :285000.0
 NA's    :23607   NA's    :7057       NA's    :7197       NA's    :1


#####  xt042  ##########################################
     WWWHH            WWW              HH              TCS
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    :     0
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:     0
 Median :66959   Median :669.5   Median : 9.000   Median :   200
 Mean    :66745   Mean    :667.4   Mean    : 9.031   Mean    :  5655
 3rd Qu.:74915   3rd Qu.:749.0   3rd Qu.:13.000   3rd Qu.:  4462
 Max.    :83409   Max.    :834.0   Max.    :20.000   Max.    :466900


#####  xt043  ##########################################
     WWWHH            WWW              HH              Q01
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    :1.000
 1st Qu.:58403   1st Qu.:584.0   1st Qu.: 5.000   1st Qu.:1.000
 Median :66859   Median :668.5   Median : 9.000   Median :2.000
 Mean    :66696   Mean    :666.9   Mean    : 9.028   Mean    :1.586
 3rd Qu.:74914   3rd Qu.:749.0   3rd Qu.:13.000   3rd Qu.:2.000
 Max.    :83409   Max.    :834.0   Max.    :20.000   Max.    :2.000


#####  xt044  ##########################################
     WWWHH            WWW              HH              Q02             Q03A
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    : 1   Min.    :1.000
 1st Qu.:58413   1st Qu.:584.0   1st Qu.: 4.000   1st Qu.:22   1st Qu.:3.000
 Median :66118   Median :661.0   Median : 9.000   Median :45   Median :4.000
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 Mean   :66658   Mean   :666.5   Mean   : 8.967   Mean   :59   Mean   :3.435
 3rd Qu.:75704   3rd Qu.:757.0   3rd Qu.:13.000   3rd Qu.:99   3rd Qu.:4.000
 Max.   :83409   Max.   :834.0   Max.   :18.000   Max.   :99   Max.   :7.000
                                                               NA's   :1990
      Q03B            Q04
 Min.   :1.000   Min.   :    0.0
 1st Qu.:3.000   1st Qu.:   20.0
 Median :4.000   Median :  100.0
 Mean   :4.074   Mean   :  345.5
 3rd Qu.:6.250   3rd Qu.:  300.0
 Max.   :7.000   Max.   :44800.0
 NA's   :4437

#####  xt045  ##########################################
     WWWHH           WWW             HH            Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.00   Min.   :1.000
 1st Qu.:58406   1st Qu.:584.0   1st Qu.: 5.00   1st Qu.:1.000
 Median :66901   Median :669.0   Median : 9.00   Median :1.000
 Mean   :66702   Mean   :666.9   Mean   : 9.03   Mean   :1.353
 3rd Qu.:74915   3rd Qu.:749.0   3rd Qu.:13.00   3rd Qu.:2.000
 Max.   :83409   Max.   :834.0   Max.   :20.00   Max.   :2.000

#####  xt046  ##########################################
     WWWHH           WWW             HH              Q02             Q03A
 Min.   :50108   Min.   :501.0   Min.   : 1.000   Min.   : 1.00   Min.   : 0.000
 1st Qu.:58505   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.: 1.00   1st Qu.: 2.000
 Median :66902   Median :669.0   Median : 9.000   Median : 5.00   Median : 2.000
 Mean   :66534   Mean   :665.3   Mean   : 9.035   Mean   :29.64   Mean   : 7.681
 3rd Qu.:74405   3rd Qu.:744.0   3rd Qu.:13.000   3rd Qu.:99.00   3rd Qu.: 6.000
 Max.   :83316   Max.   :833.0   Max.   :20.000   Max.   :99.00   Max.   :67.000
                                                                  NA's   :3300
      Q03B            Q03C            Q04A             Q04B
 Min.   : 1.00   Min.   : 1.00   Min.   :   1.00   Min.   :    0
 1st Qu.: 4.00   1st Qu.: 4.00   1st Qu.:  10.00   1st Qu.:   90
 Median : 4.00   Median :15.00   Median :  45.00   Median :  400
 Mean   :10.33   Mean   :16.66   Mean   :  66.58   Mean   : 1063
 3rd Qu.: 7.00   3rd Qu.:23.00   3rd Qu.: 100.00   3rd Qu.: 1200
 Max.   :63.00   Max.   :65.00   Max.   :2500.00   Max.   :48000
 NA's   :4497    NA's   :5737    NA's   :3760      NA's   :84

#####  xt047  ##########################################
     WWWHH           WWW             HH              Q05             Q06
 Min.   :50108   Min.   :501.0   Min.   : 1.00   Min.   :0.000   Min.   :1.000
 1st Qu.:58709   1st Qu.:587.0   1st Qu.: 5.00   1st Qu.:1.000   1st Qu.:1.000
 Median :67112   Median :671.0   Median : 9.00   Median :1.000   Median :2.000
 Mean   :66694   Mean   :666.8   Mean   : 9.02   Mean   :1.088   Mean   :1.756
 3rd Qu.:74416   3rd Qu.:744.0   3rd Qu.:13.00   3rd Qu.:1.000   3rd Qu.:2.000
 Max.   :83316   Max.   :833.0   Max.   :20.00   Max.   :2.000   Max.   :3.000
                                                 NA's   :1       NA's   :1778

#####  xt048  ##########################################
     WWWHH           WWW             HH              Q01
```

```
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    :0.000
 1st Qu.:58406   1st Qu.:584.0   1st Qu.: 5.000   1st Qu.:1.000
 Median :66859   Median :668.5   Median : 9.000   Median :1.000
 Mean   :66701   Mean   :666.9   Mean   : 9.036   Mean   :1.214
 3rd Qu.:74916   3rd Qu.:749.0   3rd Qu.:13.000   3rd Qu.:1.000
 Max.    :83409   Max.    :834.0   Max.    :20.000   Max.    :2.000


#####  xt049  ##########################################
     WWWHH            WWW              HH              Q02             Q03
 Min.    :50102   Min.    :501.0   Min.    : 1.000   Min.    : 1.000   Min.    :1.000
 1st Qu.:58302   1st Qu.:583.0   1st Qu.: 5.000   1st Qu.: 1.000   1st Qu.:1.000
 Median :66508   Median :665.0   Median : 9.000   Median : 3.000   Median :1.000
 Mean   :66273   Mean   :662.6   Mean   : 8.976   Mean   : 7.502   Mean   :1.081
 3rd Qu.:73608   3rd Qu.:736.0   3rd Qu.:13.000   3rd Qu.:16.000   3rd Qu.:1.000
 Max.    :83316   Max.    :833.0   Max.    :20.000   Max.    :16.000   Max.    :2.000
                                                                     NA's    :1737
      Q04M             Q04F             Q05M             Q05F
 Min.    :  0.00   Min.    :  0.00   Min.    :  0.00   Min.    :  0.00
 1st Qu.:  1.00   1st Qu.:  3.00   1st Qu.:  0.00   1st Qu.:  0.00
 Median :  5.00   Median :  8.00   Median : 50.00   Median : 40.00
 Mean   :  8.58   Mean   : 12.76   Mean   : 54.52   Mean   : 34.22
 3rd Qu.: 10.00   3rd Qu.: 15.00   3rd Qu.:100.00   3rd Qu.: 60.00
 Max.    :630.00   Max.    :720.00   Max.    :400.00   Max.    :150.00
 NA's    :225     NA's    :225     NA's    :1971    NA's    :1968
      Q06M             Q06F             Q07M             Q07F
 Min.    :  0.00   Min.    :  0.00   Min.    :  0.00   Min.    :  0.00
 1st Qu.:  0.00   1st Qu.:  0.00   1st Qu.:  0.00   1st Qu.:  0.00
 Median : 20.00   Median : 15.00   Median : 68.00   Median : 60.00
 Mean   : 22.15   Mean   : 17.74   Mean   : 76.67   Mean   : 51.95
 3rd Qu.: 30.00   3rd Qu.: 25.00   3rd Qu.:120.00   3rd Qu.: 80.00
 Max.    :125.00   Max.    :120.00   Max.    :450.00   Max.    :200.00
 NA's    :1971    NA's    :1967    NA's    :1971    NA's    :1967
      Q08M             Q08F             Q08T
 Min.    :    0   Min.    :    0   Min.    :    31.0
 1st Qu.:    0   1st Qu.:    0   1st Qu.:   456.2
 Median :  351   Median :  400   Median :   900.0
 Mean   :  762   Mean   :  794   Mean   :  1576.9
 3rd Qu.:  875   3rd Qu.:  910   3rd Qu.:  1728.8
 Max.    :78750   Max.    :90000   Max.    :168750.0
 NA's    :1971    NA's    :1967    NA's    :1738


#####  xt050  ##########################################
     WWWHH            WWW              HH              Q09             Q10
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    :     0   Min.    :1.000
 1st Qu.:58413   1st Qu.:584.0   1st Qu.: 5.000   1st Qu.:     0   1st Qu.:2.000
 Median :66915   Median :669.0   Median : 9.000   Median :     0   Median :2.000
 Mean   :66764   Mean   :667.6   Mean   : 9.023   Mean   :  1467   Mean   :1.981
 3rd Qu.:75134   3rd Qu.:751.2   3rd Qu.:13.000   3rd Qu.:  1415   3rd Qu.:2.000
 Max.    :83409   Max.    :834.0   Max.    :20.000   Max.    :230125   Max.    :2.000
                                                   NA's    :1        NA's    :2
      Q11              Q12              Q13
 Min.    :1.000   Min.    :  400   Min.    :     0
 1st Qu.:1.000   1st Qu.: 1986   1st Qu.:     0
 Median :1.000   Median : 4000   Median :     0
```

```
 Mean   :1.393   Mean   : 8344   Mean   :  1624
 3rd Qu.:1.000   3rd Qu.: 7625   3rd Qu.:  1450
 Max.   :5.000   Max.   :60000   Max.   :282925
 NA's   :2916    NA's   :2916    NA's   :1


#####  xt051  ##########################################
     WWWHH            WWW            HH              Q01              Q02
 Min.   :50101   Min.   :501   Min.   : 1.000   Min.   :     0   Min.   :    0.0
 1st Qu.:58407   1st Qu.:584   1st Qu.: 5.000   1st Qu.:     0   1st Qu.:    0.0
 Median :66905   Median :669   Median : 9.000   Median :     0   Median :    0.0
 Mean   :66711   Mean   :667   Mean   : 9.018   Mean   :  5438   Mean   :  140.1
 3rd Qu.:74916   3rd Qu.:749   3rd Qu.:13.000   3rd Qu.:  4000   3rd Qu.:    0.0
 Max.   :83409   Max.   :834   Max.   :20.000   Max.   :466900   Max.   :15000.0
                                                                 NA's   :2
      Q03              Q04              Q05              Q06
 Min.   :    0.0   Min.   :    0.0   Min.   :    0.00   Min.   :   0.00
 1st Qu.:    0.0   1st Qu.:    0.0   1st Qu.:    0.00   1st Qu.:   0.00
 Median :    0.0   Median :    0.0   Median :    0.00   Median :   0.00
 Mean   :  123.7   Mean   :  119.1   Mean   :   47.77   Mean   :   6.35
 3rd Qu.:    0.0   3rd Qu.:    0.0   3rd Qu.:    0.00   3rd Qu.:   0.00
 Max.   :30000.0   Max.   :150000.0   Max.   :31500.00   Max.   :6000.00
 NA's   :1         NA's   :1          NA's   :1          NA's   :1
      Q07              Q08              Q09              Q10
 Min.   :    0.0   Min.   :    0   Min.   :    0.0   Min.   :    0
 1st Qu.:    0.0   1st Qu.:    0   1st Qu.:    0.0   1st Qu.:    0
 Median :    0.0   Median :  600   Median :    0.0   Median :  309
 Mean   :  202.1   Mean   : 6079   Mean   :  257.8   Mean   : 1234
 3rd Qu.:    0.0   3rd Qu.: 4892   3rd Qu.:  170.0   3rd Qu.: 1475
 Max.   :64000.0   Max.   :501900   Max.   :44800.0   Max.   :48000
 NA's   :1         NA's   :1
      Q11              Q12              Q13              Q14
 Min.   :     0   Min.   :    0.0   Min.   :    0.00   Min.   :   0.00
 1st Qu.:     0   1st Qu.:    0.0   1st Qu.:    0.00   1st Qu.:   0.00
 Median :     0   Median :    0.0   Median :    0.00   Median :   0.00
 Mean   :  1604   Mean   :  109.1   Mean   :   42.11   Mean   :  18.46
 3rd Qu.:  1440   3rd Qu.:    0.0   3rd Qu.:    0.00   3rd Qu.:   0.00
 Max.   :282925   Max.   :10000.0   Max.   :10000.00   Max.   :2000.00
                  NA's   :1         NA's   :1          NA's   :1
      Q15              Q16              Q17              Q18
 Min.   :   0.000   Min.   :    0.00   Min.   :    0.0   Min.   :   0.0
 1st Qu.:   0.000   1st Qu.:    0.00   1st Qu.:    0.0   1st Qu.:   0.0
 Median :   0.000   Median :    0.00   Median :    0.0   Median :   0.0
 Mean   :   9.945   Mean   :   66.91   Mean   :  143.1   Mean   : 148.9
 3rd Qu.:   0.000   3rd Qu.:    0.00   3rd Qu.:  100.0   3rd Qu.:   0.0
 Max.   :4200.000   Max.   :40000.00   Max.   :70000.0   Max.   :7000.0
 NA's   :1          NA's   :1          NA's   :1         NA's   :1
      Q19              Q20              Q21              Q22
 Min.   :    0.0   Min.   :   0   Min.   :   0.000   Min.   :    0.00
 1st Qu.:    0.0   1st Qu.:   0   1st Qu.:   0.000   1st Qu.:    0.00
 Median :    0.0   Median :   0   Median :   0.000   Median :    0.00
 Mean   :  234.4   Mean   :  88   Mean   :   4.325   Mean   :   45.07
 3rd Qu.:    0.0   3rd Qu.:   0   3rd Qu.:   0.000   3rd Qu.:    0.00
 Max.   :14000.0   Max.   :6000   Max.   :1500.000   Max.   :20000.00
 NA's   :1         NA's   :1      NA's   :1          NA's   :1
      Q23
```

```
 Min.    :     0
 1st Qu.:   210
 Median :  1327
 Mean   :  4005
 3rd Qu.:  4220
 Max.    :391687
```

```
#####  xt052  ##########################################
     WWWHH           WWW             HH              Q01
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    :1.00
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:1.00
 Median :66859   Median :668.5   Median : 9.000   Median :1.00
 Mean   :66854   Mean   :668.4   Mean   : 9.145   Mean   :1.27
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:2.00
 Max.    :83417   Max.    :834.0   Max.    :22.000   Max.    :2.00
```

```
#####  xt053  ##########################################
     WWWHH           WWW             HH              LVST           Q02
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    : 1.0   Min.    :1.00
 1st Qu.:58416   1st Qu.:584.0   1st Qu.: 5.000   1st Qu.: 3.0   1st Qu.:1.00
 Median :66911   Median :669.0   Median : 9.000   Median : 5.5   Median :2.00
 Mean   :66683   Mean   :666.7   Mean   : 9.062   Mean   : 5.5   Mean   :1.64
 3rd Qu.:74738   3rd Qu.:747.2   3rd Qu.:14.000   3rd Qu.: 8.0   3rd Qu.:2.00
 Max.    :83409   Max.    :834.0   Max.    :21.000   Max.    :10.0   Max.    :2.00

      Q03A             Q03B             Q04A             Q04B
 Min.    :  0.000   Min.    :    20   Min.    :  0.000   Min.    :    25
 1st Qu.:  2.000   1st Qu.:  1800   1st Qu.:  2.000   1st Qu.:  2000
 Median :  3.000   Median :  7000   Median :  3.000   Median :  7500
 Mean   :  5.827   Mean   : 11498   Mean   :  6.159   Mean   : 12042
 3rd Qu.:  7.000   3rd Qu.: 16000   3rd Qu.:  7.000   3rd Qu.: 16200
 Max.    :135.000   Max.    :225000   Max.    :203.000   Max.    :252100
 NA's    :18269     NA's    :18503     NA's    :18269     NA's    :19092
      Q05A             Q05B             Q06A             Q06B
 Min.    :  0.000   Min.    :   25   Min.    : 0.000   Min.    :   20
 1st Qu.:  0.000   1st Qu.: 1500   1st Qu.: 0.000   1st Qu.:  650
 Median :  0.000   Median : 3500   Median : 0.000   Median : 2000
 Mean   :  1.348   Mean   : 5928   Mean   : 0.385   Mean   : 5305
 3rd Qu.:  1.000   3rd Qu.: 8000   3rd Qu.: 0.000   3rd Qu.: 7500
 Max.    :201.000   Max.    :73000   Max.    :30.000   Max.    :59700
 NA's    :18269     NA's    :24679   NA's    :18269     NA's    :26554
```

```
#####  xt054  ##########################################
     WWWHH           WWW             HH              Q01              Q02
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    :     0   Min.    :   0.0
 1st Qu.:58502   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:     0   1st Qu.:   0.0
 Median :66910   Median :669.0   Median : 9.000   Median :     0   Median :   0.0
 Mean   :66689   Mean   :666.8   Mean   : 9.062   Mean   :  1822   Mean   : 210.1
 3rd Qu.:74802   3rd Qu.:748.0   3rd Qu.:14.000   3rd Qu.:     0   3rd Qu.:   0.0
 Max.    :83409   Max.    :834.0   Max.    :21.000   Max.    :155520   Max.    :9000.0
                                                                     NA's    :1
      Q03              Q04              Q05              Q06
```

```
 Min.    :   0.00   Min.    :   0.0   Min.    :    0.0   Min.    :   0.000
 1st Qu.:   0.00   1st Qu.:   0.0   1st Qu.:    0.0   1st Qu.:   0.000
 Median :   0.00   Median :   0.0   Median :    0.0   Median :   0.000
 Mean   :  18.26   Mean   :  16.2   Mean   :  198.9   Mean   :   4.539
 3rd Qu.:   0.00   3rd Qu.:   0.0   3rd Qu.:    0.0   3rd Qu.:   0.000
 Max.   :3000.00   Max.   :5000.0   Max.   :14000.0   Max.   :7000.000
 NA's   :1         NA's   :1        NA's   :1         NA's   :1
      Q07               Q08              Q09               Q10
 Min.    :    0.00   Min.    :     0   Min.    :    0.0   Min.    :    0.00
 1st Qu.:    0.00   1st Qu.:     0   1st Qu.:    0.0   1st Qu.:    0.00
 Median :    0.00   Median :     0   Median :    0.0   Median :    0.00
 Mean   :   21.32   Mean   :  2291   Mean   :  737.5   Mean   :   66.64
 3rd Qu.:    0.00   3rd Qu.:  1250   3rd Qu.:  240.0   3rd Qu.:    0.00
 Max.   :14000.00   Max.   :155520   Max.   :50000.0   Max.   :21600.00
 NA's   :1                                             NA's   :1
      Q11               Q12              Q13
 Min.    :    0.0   Min.    :    0.0   Min.    :    0
 1st Qu.:    0.0   1st Qu.:    0.0   1st Qu.:    0
 Median :    0.0   Median :    0.0   Median :  100
 Mean   :  107.7   Mean   :  108.2   Mean   : 1020
 3rd Qu.:    0.0   3rd Qu.:  100.0   3rd Qu.:  560
 Max.   :10000.0   Max.   :10000.0   Max.   :63500
                   NA's   :1
```

```
#####  xt055  ##########################################
     WWWHH            WWW              HH              Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:1.000
 Median :66901   Median :669.0   Median : 9.000   Median :1.000
 Mean   :66855   Mean   :668.5   Mean   : 9.143   Mean   :1.209
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:1.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :2.000
```

```
#####  xt056  ##########################################
     WWWHH            WWW              HH              EQIP            Q02
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 1.0   Min.   :1.000
 1st Qu.:58515   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.: 3.0   1st Qu.:1.000
 Median :67011   Median :670.0   Median : 9.000   Median : 5.5   Median :2.000
 Mean   :66804   Mean   :667.9   Mean   : 9.069   Mean   : 5.5   Mean   :1.716
 3rd Qu.:75002   3rd Qu.:750.0   3rd Qu.:14.000   3rd Qu.: 8.0   3rd Qu.:2.000
 Max.   :83318   Max.   :833.0   Max.   :20.000   Max.   :10.0   Max.   :2.000

      Q03              Q04              Q05              Q06              Q07
 Min.   : 0.000   Min.   :     0   Min.   : 0.000   Min.   :    0   Min.   : 0.000
 1st Qu.: 2.000   1st Qu.:   300   1st Qu.: 0.000   1st Qu.:  150   1st Qu.: 0.000
 Median : 5.000   Median :   600   Median : 0.000   Median :  520   Median : 0.000
 Mean   : 6.228   Mean   :  2990   Mean   : 0.052   Mean   : 1703   Mean   : 0.261
 3rd Qu.: 9.000   3rd Qu.:  1200   3rd Qu.: 0.000   3rd Qu.: 1000   3rd Qu.: 0.000
 Max.   :61.000   Max.   :700000   Max.   :30.000   Max.   :22700   Max.   :23.000
 NA's   :22144    NA's   :22146    NA's   :22144    NA's   :30820   NA's   :22144
      Q08
 Min.   :     0
 1st Qu.:    90
 Median :   175
```

```
 Mean   :  1396
 3rd Qu.:   400
 Max.   :500000
 NA's   :29699


#####  xt057  ##########################################
     WWWHH           WWW             HH            Q09            Q10
 Min.   :50101   Min.   :501.0   Min.   : 1.00   Min.   :1.000   Min.   :1.000
 1st Qu.:58608   1st Qu.:586.0   1st Qu.: 5.00   1st Qu.:2.000   1st Qu.:3.000
 Median :67004   Median :670.0   Median : 9.00   Median :2.000   Median :3.000
 Mean   :66916   Mean   :669.1   Mean   : 9.12   Mean   :1.944   Mean   :2.752
 3rd Qu.:75404   3rd Qu.:754.0   3rd Qu.:14.00   3rd Qu.:2.000   3rd Qu.:3.000
 Max.   :83417   Max.   :834.0   Max.   :22.00   Max.   :2.000   Max.   :4.000
                                                                 NA's   :213
      Q11             Q12
 Min.   :1.000   Min.   :1.00
 1st Qu.:2.000   1st Qu.:3.00
 Median :2.000   Median :3.00
 Mean   :1.863   Mean   :2.78
 3rd Qu.:2.000   3rd Qu.:3.00
 Max.   :2.000   Max.   :4.00
                 NA's   :524


#####  xt058  ##########################################
     WWWHH           WWW             HH              ASE
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:1.000
 Median :66901   Median :669.0   Median : 9.000   Median :2.000
 Mean   :66855   Mean   :668.5   Mean   : 9.143   Mean   :1.717
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :2.000


#####  xt059  ##########################################
     WWWHH           WWW            HH             ENT            Q01A
 Min.   :50101   Min.   :501   Min.   : 1.00   Min.   :1.000   Length:1365
 1st Qu.:59301   1st Qu.:593   1st Qu.: 5.00   1st Qu.:1.000   Class :character
 Median :65210   Median :652   Median : 9.00   Median :1.000   Mode  :character
 Mean   :67014   Mean   :670   Mean   : 9.16   Mean   :1.235
 3rd Qu.:75618   3rd Qu.:756   3rd Qu.:13.00   3rd Qu.:1.000
 Max.   :83414   Max.   :834   Max.   :22.00   Max.   :5.000

     Q01B               Q01C            Q02A            Q02B
 Length:1365        Min.   : 1.00   Min.   : 1.000   Min.   : 1.000
 Class :character   1st Qu.:18.00   1st Qu.: 1.000   1st Qu.: 2.000
 Mode  :character   Median :52.00   Median : 1.000   Median : 2.000
                    Mean   :47.65   Mean   : 1.812   Mean   : 3.059
                    3rd Qu.:72.00   3rd Qu.: 2.000   3rd Qu.: 3.000
                    Max.   :99.00   Max.   :21.000   Max.   :16.000
                    NA's   :6       NA's   :2        NA's   :825
      Q02C            Q02D            Q02E            Q03
 Min.   : 1.000   Min.   : 1.000   Min.   : 1.000   Min.   : 1.000
 1st Qu.: 3.000   1st Qu.: 4.000   1st Qu.: 5.000   1st Qu.: 1.000
 Median : 4.000   Median : 5.000   Median : 5.500   Median : 1.000
```

```
 Mean   : 4.633   Mean   : 5.667   Mean   : 6.455   Mean   : 1.882
 3rd Qu.: 5.750   3rd Qu.: 7.000   3rd Qu.: 7.000   3rd Qu.: 2.000
 Max.   :15.000   Max.   :14.000   Max.   :14.000   Max.   :14.000
 NA's   :1199     NA's   :1305     NA's   :1343
      Q04A             Q04B             Q05              Q06              Q07
 Min.   : 0.000   Min.   : 0.000   Min.   :1.000   Min.   : 0.000   Min.   :1.00
 1st Qu.: 2.000   1st Qu.: 0.000   1st Qu.:1.000   1st Qu.: 7.000   1st Qu.:1.00
 Median : 6.000   Median : 3.000   Median :2.000   Median :12.000   Median :1.00
 Mean   : 9.876   Mean   : 3.257   Mean   :1.799   Mean   : 9.518   Mean   :1.04
 3rd Qu.:13.000   3rd Qu.: 5.000   3rd Qu.:2.000   3rd Qu.:12.000   3rd Qu.:1.00
 Max.   :80.000   Max.   :12.000   Max.   :3.000   Max.   :12.000   Max.   :2.00
                  NA's   :1
      Q08
 Min.   : 0.00
 1st Qu.:25.00
 Median :50.00
 Mean   :40.42
 3rd Qu.:50.00
 Max.   :90.00
 NA's   :1310


#####  xt060  ##########################################
     WWWHH            WWW             HH              ENT             Q09A
 Min.   :50101   Min.   :501   Min.   : 1.00   Min.   :1.000   Min.   : 1.0
 1st Qu.:59301   1st Qu.:593   1st Qu.: 5.00   1st Qu.:1.000   1st Qu.: 1.0
 Median :65210   Median :652   Median : 9.00   Median :1.000   Median : 1.0
 Mean   :67014   Mean   :670   Mean   : 9.16   Mean   :1.235   Mean   : 1.5
 3rd Qu.:75618   3rd Qu.:756   3rd Qu.:13.00   3rd Qu.:1.000   3rd Qu.: 1.0
 Max.   :83414   Max.   :834   Max.   :22.00   Max.   :5.000   Max.   :10.0

      Q09B             Q10             Q11             Q12             Q13
 Min.   : 1.000   Min.   :1.000   Min.   : 1.000   Min.   :1.000   Min.   :1.000
 1st Qu.: 2.000   1st Qu.:2.000   1st Qu.: 1.000   1st Qu.:3.000   1st Qu.:1.000
 Median : 3.000   Median :2.000   Median : 2.000   Median :3.000   Median :2.000
 Mean   : 4.163   Mean   :1.766   Mean   : 2.449   Mean   :2.632   Mean   :3.146
 3rd Qu.: 7.000   3rd Qu.:2.000   3rd Qu.: 2.000   3rd Qu.:3.000   3rd Qu.:5.000
 Max.   :10.000   Max.   :2.000   Max.   :11.000   Max.   :3.000   Max.   :8.000
 NA's   :910                                                      NA's   :1091
      Q14             Q15             Q16
 Min.   :1.000   Min.   :  0.000   Min.   : 1.000
 1st Qu.:2.000   1st Qu.:  1.000   1st Qu.: 1.000
 Median :2.000   Median :  2.000   Median : 3.000
 Mean   :1.829   Mean   :  8.867   Mean   : 4.842
 3rd Qu.:2.000   3rd Qu.:  4.000   3rd Qu.: 9.000
 Max.   :2.000   Max.   :400.000   Max.   :11.000
                 NA's   :1132


#####  xt061  ##########################################
     WWWHH            WWW             HH              ENT             Q02
 Min.   :50101   Min.   :501   Min.   : 1.00   Min.   :1.000   Min.   :      0
 1st Qu.:59301   1st Qu.:593   1st Qu.: 5.00   1st Qu.:1.000   1st Qu.:  10000
 Median :65210   Median :652   Median : 9.00   Median :1.000   Median :  45440
 Mean   :67014   Mean   :670   Mean   : 9.16   Mean   :1.235   Mean   : 415939
 3rd Qu.:75618   3rd Qu.:756   3rd Qu.:13.00   3rd Qu.:1.000   3rd Qu.: 180000
```

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 Max.    :83414   Max.    :834   Max.    :22.00   Max.    :5.000   Max.    :84443091
                                                                    NA's    :1
      Q03               Q04               Q05A              Q05B
 Min.    :       0   Min.    :       0   Min.    :       0   Min.    :     0
 1st Qu.:       0   1st Qu.:       0   1st Qu.:       0   1st Qu.:     0
 Median :       0   Median :       0   Median :    7200   Median :     0
 Mean   :   80910   Mean   :  152399   Mean   :  294318   Mean   :  1391
 3rd Qu.:       0   3rd Qu.:    2400   3rd Qu.:   90000   3rd Qu.:     0
 Max.    :80000004   Max.    :80500000   Max.    :99400000   Max.    :328000
 NA's    :2          NA's    :2          NA's    :2          NA's    :2
      Q06               Q07               Q08               Q09
 Min.    :      0   Min.    : -660000   Min.    :      0   Min.    :       0
 1st Qu.:      0   1st Qu.:     6000   1st Qu.:      0   1st Qu.:       0
 Median :    200   Median :    20000   Median :      0   Median :       0
 Mean   :  14162   Mean   :   504400   Mean   :  10764   Mean   :   13935
 3rd Qu.:   4800   3rd Qu.:    52985   3rd Qu.:      0   3rd Qu.:       0
 Max.    :2828752   Max.    :600240000   Max.    :5000000   Max.    :10000000
 NA's    :3         NA's    :3          NA's    :1          NA's    :1
      Q10               Q11
 Min.    :       0   Min.    :       0
 1st Qu.:     250   1st Qu.:     150
 Median :    7000   Median :    5000
 Mean   :  204420   Mean   :  192983
 3rd Qu.:   50000   3rd Qu.:   50000
 Max.    :50000000   Max.    :50000000
 NA's    :1          NA's    :4


#####  xt062  ##########################################
     WWWHH            WWW              HH              Q01
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:1.000
 Median :66901   Median :669.0   Median : 9.000   Median :1.000
 Mean   :66855   Mean   :668.5   Mean   : 9.143   Mean   :1.351
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:2.000
 Max.    :83417   Max.    :834.0   Max.    :22.000   Max.    :2.000


#####  xt063  ##########################################
     WWWHH            WWW              HH              LN0             Q03
 Min.    :50101   Min.    :501.0   Min.    : 1.000   Min.    :1.000   Min.    : 1.000
 1st Qu.:57714   1st Qu.:577.0   1st Qu.: 5.000   1st Qu.:1.000   1st Qu.: 1.000
 Median :65901   Median :659.0   Median :10.000   Median :1.000   Median : 1.000
 Mean   :66247   Mean   :662.4   Mean   : 9.195   Mean   :1.677   Mean   : 1.206
 3rd Qu.:74313   3rd Qu.:743.0   3rd Qu.:14.000   3rd Qu.:2.000   3rd Qu.: 1.000
 Max.    :83414   Max.    :834.0   Max.    :21.000   Max.    :9.000   Max.    :23.000
      Q04A             Q04B             Q05             Q06
 Min.    : 1.000   Min.    : 0.00   Min.    :1.000   Min.    : 1.000
 1st Qu.: 3.000   1st Qu.:58.00   1st Qu.:1.000   1st Qu.: 6.000
 Median : 6.000   Median :59.00   Median :1.000   Median : 7.000
 Mean   : 6.188   Mean   :58.26   Mean   :3.339   Mean   : 7.076
 3rd Qu.:10.000   3rd Qu.:60.00   3rd Qu.:8.000   3rd Qu.: 8.000
 Max.    :58.000   Max.    :61.00   Max.    :9.000   Max.    :11.000
      Q07
 Min.    :      25
 1st Qu.:    4000
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 Median :   10000
 Mean   :   40283
 3rd Qu.:   25000
 Max.   :15000000


#####  xt064  ##########################################
     WWWHH           WWW             HH              LNO
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :1.000
 1st Qu.:57714   1st Qu.:577.0   1st Qu.: 5.000   1st Qu.:1.000
 Median :65901   Median :659.0   Median :10.000   Median :1.000
 Mean   :66247   Mean   :662.4   Mean   : 9.195   Mean   :1.677
 3rd Qu.:74313   3rd Qu.:743.0   3rd Qu.:14.000   3rd Qu.:2.000
 Max.   :83414   Max.   :834.0   Max.   :21.000   Max.   :9.000

      Q08A              Q08B            Q09A            Q09B            Q10
 Min.   :    0.00   Min.   :  0.0   Min.   : 1.00   Min.   :37.00   Min.   :1.000
 1st Qu.:    0.00   1st Qu.: 15.0   1st Qu.: 3.00   1st Qu.:60.00   1st Qu.:2.000
 Median :    0.00   Median : 24.0   Median : 7.00   Median :60.00   Median :3.000
 Mean   :  662.15   Mean   : 26.2   Mean   : 6.72   Mean   :60.46   Mean   :2.617
 3rd Qu.:   93.75   3rd Qu.: 36.0   3rd Qu.:10.00   3rd Qu.:61.00   3rd Qu.:3.000
 Max.   :28000.00   Max.   :120.0   Max.   :12.00   Max.   :78.00   Max.   :3.000
 NA's   :3871       NA's   :203
      Q11              Q12             Q13
 Min.   :     0   Min.   :1.000   Min.   :  0.000
 1st Qu.:  2000   1st Qu.:6.000   1st Qu.:  1.000
 Median :  6000   Median :8.000   Median :  3.000
 Mean   : 29065   Mean   :6.573   Mean   :  5.674
 3rd Qu.: 20000   3rd Qu.:8.000   3rd Qu.:  5.000
 Max.   :3015000  Max.   :8.000   Max.   :365.000
 NA's   :2754     NA's   :1       NA's   :1


#####  xt065  ##########################################
     WWWHH           WWW             HH              Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:2.000
 Median :66901   Median :669.0   Median : 9.000   Median :2.000
 Mean   :66855   Mean   :668.5   Mean   : 9.143   Mean   :1.841
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :2.000


#####  xt066  ##########################################
     WWWHH           WWW             HH              LNO             Q03
 Min.   :50104   Min.   :501.0   Min.   : 1.000   Min.   : 1.00   Min.   : 1.000
 1st Qu.:57205   1st Qu.:572.0   1st Qu.: 4.000   1st Qu.: 1.00   1st Qu.: 1.000
 Median :65105   Median :651.0   Median : 9.000   Median : 1.00   Median : 1.000
 Mean   :65580   Mean   :655.7   Mean   : 8.986   Mean   : 1.65   Mean   : 1.256
 3rd Qu.:73308   3rd Qu.:733.0   3rd Qu.:13.000   3rd Qu.: 2.00   3rd Qu.: 1.000
 Max.   :83317   Max.   :833.0   Max.   :22.000   Max.   :10.00   Max.   :11.000
      Q04A            Q04B            Q05             Q06             Q07
 Min.   : 1.00   Min.   :40.00   Min.   :1.000   Min.   : 1.000   Min.   :    200
 1st Qu.: 3.00   1st Qu.:58.00   1st Qu.:4.000   1st Qu.: 7.000   1st Qu.:   4000
 Median : 6.00   Median :59.00   Median :4.000   Median : 7.000   Median :  10000
 Mean   : 6.16   Mean   :57.93   Mean   :4.026   Mean   : 7.237   Mean   :  43482
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 3rd Qu.:10.00   3rd Qu.:59.00   3rd Qu.:5.000   3rd Qu.: 8.000   3rd Qu.:  30000
 Max.   :12.00   Max.   :60.00   Max.   :6.000   Max.   :11.000   Max.   :5500000


#####  xt067  ##########################################
     WWWHH           WWW             HH              LNO            Q08A
 Min.   :50104   Min.   :501.0   Min.   : 1.000   Min.   : 1.00   Min.   :    0.0
 1st Qu.:57205   1st Qu.:572.0   1st Qu.: 4.000   1st Qu.: 1.00   1st Qu.:    0.0
 Median :65105   Median :651.0   Median : 9.000   Median : 1.00   Median :    0.0
 Mean   :65580   Mean   :655.7   Mean   : 8.986   Mean   : 1.65   Mean   :  352.4
 3rd Qu.:73308   3rd Qu.:733.0   3rd Qu.:13.000   3rd Qu.: 2.00   3rd Qu.:    0.0
 Max.   :83317   Max.   :833.0   Max.   :22.000   Max.   :10.00   Max.   :16100.0
                                                                  NA's   :809
      Q08B            Q09A            Q09B         Q10            Q11
 Min.   :  0.00   Min.   : 0.000   Min.   :42   Min.   :1.000   Min.   :     0
 1st Qu.:  0.00   1st Qu.: 3.000   1st Qu.:60   1st Qu.:3.000   1st Qu.:  2500
 Median : 24.00   Median : 6.000   Median :60   Median :3.000   Median :  6500
 Mean   : 21.53   Mean   : 6.735   Mean   :60   Mean   :2.753   Mean   : 29732
 3rd Qu.: 36.00   3rd Qu.:10.000   3rd Qu.:61   3rd Qu.:3.000   3rd Qu.: 24000
 Max.   :120.00   Max.   :12.000   Max.   :65   Max.   :3.000   Max.   :620000
 NA's   :61                                    NA's   :2       NA's   :689
      Q12
 Min.   :1.000
 1st Qu.:7.000
 Median :8.000
 Mean   :7.192
 3rd Qu.:8.000
 Max.   :8.000


#####  xt068  ##########################################
     WWWHH           WWW             HH              Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:1.000
 Median :66901   Median :669.0   Median : 9.000   Median :2.000
 Mean   :66855   Mean   :668.5   Mean   : 9.143   Mean   :1.735
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :2.000

      Q02               Q03               Q04               Q05
 Min.   :    1000   Min.   :       0   Min.   :      0   Min.   :      0
 1st Qu.:   25000   1st Qu.:   22000   1st Qu.:      0   1st Qu.:      0
 Median :  105000   Median :  100000   Median :      0   Median :      0
 Mean   :  580568   Mean   :  520540   Mean   :  16410   Mean   :   2053
 3rd Qu.:  450000   3rd Qu.:  400000   3rd Qu.:      0   3rd Qu.:      0
 Max.   :33400000   Max.   :33400000   Max.   :7000000   Max.   :1500000
 NA's   :2873       NA's   :2873       NA's   :2873
      Q06               Q07            Q08               Q09
 Min.   :      0   Min.   :1.00   Min.   :   1000   Min.   :      0
 1st Qu.:      0   1st Qu.:2.00   1st Qu.:  12000   1st Qu.:  10000
 Median :      0   Median :2.00   Median :  25000   Median :  25000
 Mean   :   1475   Mean   :1.98   Mean   : 222968   Mean   : 191811
 3rd Qu.:      0   3rd Qu.:2.00   3rd Qu.: 100000   3rd Qu.: 110000
 Max.   :1200000   Max.   :2.00   Max.   :2500000   Max.   :2000000
                                  NA's   :3832      NA's   :3832
```

```
      Q10              Q11                Q12
 Min.   :     0   Min.   :      0.0   Min.   :     0.0
 1st Qu.:     0   1st Qu.:      0.0   1st Qu.:     0.0
 Median :     0   Median :      0.0   Median :     0.0
 Mean   :  4310   Mean   :    511.8   Mean   :   489.8
 3rd Qu.:     0   3rd Qu.:      0.0   3rd Qu.:     0.0
 Max.   :200000   Max.   :1200000.0   Max.   :720000.0
 NA's   :3832                         NA's   :1


#####  xt069  ##########################################
     WWWHH           WWW             HH             Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:2.000
 Median :66901   Median :669.0   Median : 9.000   Median :2.000
 Mean   :66855   Mean   :668.5   Mean   : 9.143   Mean   :1.882
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :2.000
                                                  NA's   :1


#####  xt070  ##########################################
     WWWHH           WWW             HH             LN0            IDR
 Min.   :50311   Min.   :503.0   Min.   : 1.000   Min.   :1.000   Min.   : 1.000
 1st Qu.:58555   1st Qu.:585.5   1st Qu.: 5.000   1st Qu.:1.000   1st Qu.: 1.000
 Median :65602   Median :656.0   Median :10.000   Median :1.000   Median : 1.000
 Mean   :66976   Mean   :669.7   Mean   : 9.544   Mean   :1.294   Mean   : 1.443
 3rd Qu.:76203   3rd Qu.:762.0   3rd Qu.:14.000   3rd Qu.:1.000   3rd Qu.: 1.000
 Max.   :83416   Max.   :834.0   Max.   :20.000   Max.   :8.000   Max.   :11.000

     Q02                Q03             Q04             Q05
 Length:575         Min.   : 1.000   Min.   : 2.000   Min.   :1.000
 Class :character   1st Qu.: 1.000   1st Qu.: 3.000   1st Qu.:1.000
 Mode  :character   Median : 1.000   Median : 3.000   Median :1.000
                    Mean   : 1.423   Mean   : 4.228   Mean   :1.447
                    3rd Qu.: 1.000   3rd Qu.: 5.000   3rd Qu.:2.000
                    Max.   :11.000   Max.   :14.000   Max.   :2.000

      Q06A            Q06B            Q07             Q08A              Q08B
 Min.   : 1.00   Min.   :1.000   Min.   :1.000   Min.   :      0   Min.   :    0
 1st Qu.:17.00   1st Qu.:1.000   1st Qu.:3.000   1st Qu.:    200   1st Qu.:    0
 Median :27.00   Median :2.000   Median :5.000   Median :   5000   Median :  300
 Mean   :36.85   Mean   :1.568   Mean   :4.014   Mean   :  27223   Mean   : 1590
 3rd Qu.:56.00   3rd Qu.:2.000   3rd Qu.:5.000   3rd Qu.:  20000   3rd Qu.: 2000
 Max.   :93.00   Max.   :2.000   Max.   :6.000   Max.   :1800000   Max.   :50000
                 NA's   :70


#####  xt071  ##########################################
     WWWHH           WWW             HH             Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:1.000
 Median :66901   Median :669.0   Median : 9.000   Median :2.000
 Mean   :66855   Mean   :668.5   Mean   : 9.143   Mean   :1.691
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :2.000
```

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#####  xt072  ##########################################
     WWWHH           WWW              HH              LNO             IDR
 Min.   :50102   Min.   :501.0   Min.   : 1.000   Min.   :1.000   Min.   : 1.000
 1st Qu.:57704   1st Qu.:577.0   1st Qu.: 5.000   1st Qu.:1.000   1st Qu.: 1.000
 Median :66006   Median :660.0   Median : 9.000   Median :1.000   Median : 1.000
 Mean   :66201   Mean   :661.9   Mean   : 9.162   Mean   :1.255   Mean   : 1.356
 3rd Qu.:74217   3rd Qu.:742.0   3rd Qu.:14.000   3rd Qu.:1.000   3rd Qu.: 1.000
 Max.   :83414   Max.   :834.0   Max.   :20.000   Max.   :6.000   Max.   :18.000

     Q02                Q03             Q04             Q05            Q06
 Length:1497        Min.   : 1.00   Min.   : 2.000   Min.   :1.00   Min.   : 8.00
 Class :character   1st Qu.: 1.00   1st Qu.: 3.000   1st Qu.:1.00   1st Qu.:24.00
 Mode  :character   Median : 1.00   Median : 3.000   Median :1.00   Median :30.00
                    Mean   : 1.39   Mean   : 3.912   Mean   :1.15   Mean   :33.12
                    3rd Qu.: 1.00   3rd Qu.: 5.000   3rd Qu.:1.00   3rd Qu.:40.00
                    Max.   :13.00   Max.   :14.000   Max.   :9.00   Max.   :81.00
                                                                    NA's   :7
      Q07A            Q07B            Q08             Q09A            Q09B
 Min.   : 1.00   Min.   :1.000   Min.   :1.000   Min.   :     0   Min.   :     0
 1st Qu.:27.00   1st Qu.:1.000   1st Qu.:2.000   1st Qu.:  2500   1st Qu.:     0
 Median :73.00   Median :2.000   Median :2.000   Median :  9000   Median :   200
 Mean   :56.43   Mean   :1.514   Mean   :2.422   Mean   : 29178   Mean   :  1956
 3rd Qu.:81.00   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.: 30000   3rd Qu.:  1500
 Max.   :93.00   Max.   :2.000   Max.   :6.000   Max.   :900000   Max.   :200000
 NA's   :7       NA's   :744     NA's   :7
      Q10
 Min.   :1.000
 1st Qu.:3.000
 Median :3.000
 Mean   :2.991
 3rd Qu.:3.000
 Max.   :4.000



#####  xt073  ##########################################
     WWWHH           WWW              HH              Q01             Q02
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :101.0   Min.   :       0
 1st Qu.:58238   1st Qu.:582.2   1st Qu.: 5.000   1st Qu.:101.0   1st Qu.:       0
 Median :65611   Median :656.0   Median : 9.000   Median :103.0   Median :     200
 Mean   :66345   Mean   :663.4   Mean   : 9.148   Mean   :103.7   Mean   :   15461
 3rd Qu.:73207   3rd Qu.:732.0   3rd Qu.:14.000   3rd Qu.:106.0   3rd Qu.:    2500
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :108.0   Max.   :5000000
                                                                  NA's   :4052
      Q03               Q04
 Min.   :       0   Min.   :   -500
 1st Qu.:       0   1st Qu.:      0
 Median :     100   Median :      0
 Mean   :   20342   Mean   :   1887
 3rd Qu.:    3000   3rd Qu.:      0
 Max.   :3200000   Max.   :1200000
 NA's   :4352      NA's   :525
```

```
#####  xt074  ##########################################
     WWWHH           WWW             HH              Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   :1.000
 1st Qu.:58515   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.:2.000
 Median :66903   Median :669.0   Median : 9.000   Median :2.000
 Mean   :66875   Mean   :668.7   Mean   : 9.142   Mean   :1.938
 3rd Qu.:75314   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :2.000


#####  xt075  ##########################################
     WWWHH           WWW             HH              CIDC
 Min.   :50304   Min.   :503.0   Min.   : 1.000   Min.   : 1.000
 1st Qu.:59132   1st Qu.:591.2   1st Qu.: 4.000   1st Qu.: 1.000
 Median :66160   Median :661.5   Median : 8.000   Median : 1.000
 Mean   :66452   Mean   :664.4   Mean   : 8.583   Mean   : 1.463
 3rd Qu.:73689   3rd Qu.:736.8   3rd Qu.:13.000   3rd Qu.: 2.000
 Max.   :83416   Max.   :834.0   Max.   :18.000   Max.   :14.000

    Q02                Q03A            Q03B            Q04             Q05
 Length:350         Min.   : 1.00   Min.   : 1.00   Min.   :1.000   Min.   :1.00
 Class :character   1st Qu.: 1.00   1st Qu.: 2.00   1st Qu.:1.000   1st Qu.:1.00
 Mode  :character   Median : 6.00   Median : 4.00   Median :1.000   Median :1.00
                    Mean   :43.93   Mean   :39.77   Mean   :1.469   Mean   :2.14
                    3rd Qu.:91.00   3rd Qu.:91.00   3rd Qu.:2.000   3rd Qu.:3.00
                    Max.   :93.00   Max.   :93.00   Max.   :2.000   Max.   :6.00
                                    NA's   :1
     Q06A            Q06B            Q07A            Q07B            Q08A
 Min.   : 0.000   Min.   : 0.000   Min.   : 0.00   Min.   : 0.000   Min.   : 3.00
 1st Qu.: 4.000   1st Qu.: 6.000   1st Qu.: 1.00   1st Qu.: 2.000   1st Qu.:27.00
 Median : 7.000   Median :10.000   Median : 5.00   Median : 4.000   Median :35.00
 Mean   : 6.949   Mean   : 9.346   Mean   : 8.61   Mean   : 6.467   Mean   :38.68
 3rd Qu.:10.000   3rd Qu.:13.000   3rd Qu.:17.00   3rd Qu.: 8.000   3rd Qu.:49.00
 Max.   :14.000   Max.   :15.000   Max.   :99.00   Max.   :99.000   Max.   :99.00
                                   NA's   :1       NA's   :1
     Q08B            Q09             Q10             Q11
 Min.   :1.000   Min.   :1.000   Min.   :  9.0   Min.   :1.000
 1st Qu.:1.000   1st Qu.:2.000   1st Qu.:913.0   1st Qu.:1.000
 Median :2.000   Median :2.000   Median :913.0   Median :2.000
 Mean   :1.541   Mean   :2.649   Mean   :836.9   Mean   :1.533
 3rd Qu.:2.000   3rd Qu.:4.000   3rd Qu.:913.0   3rd Qu.:2.000
 Max.   :2.000   Max.   :5.000   Max.   :921.0   Max.   :2.000
 NA's   :43                      NA's   :290     NA's   :290


#####  xt076  ##########################################
     WWWHH           WWW             HH              IDR             Q01
 Min.   :50101   Min.   :501.0   Min.   : 1.000   Min.   : 1.000   Min.   :1.000
 1st Qu.:58510   1st Qu.:585.0   1st Qu.: 5.000   1st Qu.: 1.000   1st Qu.:1.000
 Median :66901   Median :669.0   Median : 9.000   Median : 1.000   Median :2.000
 Mean   :66855   Mean   :668.5   Mean   : 9.143   Mean   : 1.326   Mean   :1.734
 3rd Qu.:75309   3rd Qu.:753.0   3rd Qu.:14.000   3rd Qu.: 1.000   3rd Qu.:2.000
 Max.   :83417   Max.   :834.0   Max.   :22.000   Max.   :32.000   Max.   :3.000
                                                  NA's   :1
     Q02             Q03             Q04             Q05             Q06
 Min.   :1.00   Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :1.000
```

```
1st Qu.:1.00   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:2.000   1st Qu.:1.000
Median :2.00   Median :2.000   Median :2.000   Median :2.000   Median :1.000
Mean   :1.63   Mean   :1.687   Mean   :1.746   Mean   :2.215   Mean   :1.366
3rd Qu.:2.00   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000
Max.   :4.00   Max.   :3.000   Max.   :4.000   Max.   :4.000   Max.   :4.000

      Q07             Q08             Q09             Q10             Q11
Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :1.00
1st Qu.:1.000   1st Qu.:2.000   1st Qu.:2.000   1st Qu.:2.000   1st Qu.:2.00
Median :1.000   Median :2.000   Median :2.000   Median :2.000   Median :4.00
Mean   :1.134   Mean   :2.109   Mean   :2.556   Mean   :2.454   Mean   :2.95
3rd Qu.:1.000   3rd Qu.:2.000   3rd Qu.:4.000   3rd Qu.:3.000   3rd Qu.:4.00
Max.   :2.000   Max.   :4.000   Max.   :4.000   Max.   :4.000   Max.   :4.00
NA's   :2791
      Q12             Q13             Q14
Min.   :1.000   Min.   :1.000   Min.   :1.000
1st Qu.:2.000   1st Qu.:2.000   1st Qu.:2.000
Median :2.000   Median :2.000   Median :2.000
Mean   :2.339   Mean   :2.361   Mean   :2.503
3rd Qu.:3.000   3rd Qu.:3.000   3rd Qu.:3.000
Max.   :4.000   Max.   :4.000   Max.   :4.000
```

5.3 Frequency of categorical variables

Summary:

Conducted range check of categorical variables and the following out-of-range codes were found.

Data frame	Variable	Out-of rage code: number of records with the code
XT017	ITM	50: 1
XT021	Q02	16: 13
XT030	Q04A	0: 1
	Q04B	0: 14
XT031	Q07B	0: 1
XT032	Q05A	0: 2
	Q05B	0: 3
XT036	Q12A	0: 4
	Q13	0: 1
XT039	Q10A	0: 11
XT041	Q03A	0: 1
XT046	Q03A	0: 1
XT047	Q05	0: 2
XT048	Q01	0: 2
XT075	Q07A	99: 1
	Q07B	99: 1

- Categorical variables are in bold in the below list.

```
> for(j in 1:76){
+ cat("#### ",Rnames[j]," ####¥n")
+ print(colnames(outfiles[[j]]))
+ }
####  xt001  ####
 [1] "WWWHH"  "WWW"    "HH"     "SERL"   "DINTYY" "DINTMM" "DINTDD" "INTC"
 [9] "INTV"   "RESN"   "NEWH"   "OLDH"   "RELI"   "LANG"   "INTP"   "DDE1YY"
[17] "DDE1MM" "DDE1DD" "DEOP1"  "DSUPYY" "DSUPMM" "DSUPDD" "SUPC"   "DCORYY"
[25] "DCORMM" "DCORDD" "DEOP2"  "VERI"
####  xt002  ####
 [1] "WWWHH" "WWW"   "HH"    "IDC"   "Q01"   "Q01A"  "Q02"   "Q03"   "Q04A"
[10] "Q04B"  "Q05"   "Q06"   "Q07"   "Q08"   "Q09"   "Q10"
####  xt003  ####
 [1] "WWWHH" "WWW"   "HH"    "IDC"   "Q01"   "Q02"   "Q03"   "Q04A"  "Q04B"
[10] "Q05"   "Q06"   "Q07"   "Q08A"  "Q08B"
```

```
####  xt004  ####
 [1] "WWWHH" "WWW"   "HH"    "ACT"   "IDC"   "Q01N"  "Q01C"  "Q02"   "Q03"
[10] "Q04"   "Q05"   "Q06H"  "Q06T"  "Q07"   "Q08A"  "Q08B"  "Q09A"  "Q09B"
[19] "Q09C"  "Q09D"  "Q09E"
####  xt005  ####
 [1] "WWWHH" "WWW"   "HH"    "IDC"   "Q01"   "Q02"   "Q03"   "Q04"   "Q05"
[10] "Q06"
####  xt006  ####
 [1] "WWWHH" "WWW"   "HH"    "Q01"   "Q02A"  "Q02B"  "Q02C"  "Q02D"  "Q02E"
[10] "Q02F"  "Q02G"  "Q02H"  "Q03"   "Q04"   "Q05"   "Q06"   "Q07"   "Q08A"
[19] "Q08B"  "Q08C"  "Q08D"  "Q09"   "Q10"
####  xt007  ####
 [1] "WWWHH" "WWW"   "HH"    "Q01"   "Q02"   "Q03"   "Q04"   "Q05"   "Q06"
[10] "Q07"   "Q08"
####  xt008  ####
 [1] "WWWHH" "WWW"   "HH"    "Q01"   "Q02"   "Q03"   "Q04"   "Q05"   "Q06"
[10] "Q07"
####  xt009  ####
 [1] "WWWHH" "WWW"   "HH"    "Q08"   "Q09"   "Q10"   "Q11A"  "Q11B"  "Q11C"
[10] "Q11D"  "Q11E"  "Q11F"  "Q12"   "Q13"   "Q14"
####  xt010  ####
 [1] "WWWHH" "WWW"   "HH"    "Q01"   "Q02"   "Q03A"  "Q03B"  "Q04A"  "Q04B"
[10] "Q05"   "Q06"   "Q07"   "Q08"
####  xt011  ####
[1] "WWWHH" "WWW"   "HH"    "Q01"   "Q02"   "Q03A"  "Q03B"  "Q03C"
####  xt012  ####
 [1] "WWWHH" "WWW"   "HH"    "IDC"   "Q01"   "Q02A"  "Q02B"  "Q03"   "Q04"
[10] "Q05"   "Q06"   "Q07"   "Q08"   "Q09"
####  xt013  ####
 [1] "WWWHH" "WWW"   "HH"    "ITM"   "Q01"   "Q02"   "Q03A"  "Q03B"  "Q04"
[10] "Q05"   "Q06A"  "Q06B"  "Q07"   "Q08"
####  xt014  ####
[1] "WWWHH" "WWW"   "HH"    "ITM"   "Q04"   "Q07"   "Q08"
####  xt015  ####
[1] "WWWHH" "WWW"   "HH"    "ITM"   "Q01"   "Q02"   "Q03"
####  xt016  ####
[1] "WWWHH" "WWW"   "HH"    "ITM"   "Q01"   "Q02"
####  xt017  ####
 [1] "WWWHH" "WWW"   "HH"    "ITM"   "Q01"   "Q02"   "Q03"   "Q04"   "Q05"
[10] "Q06"
####  xt018  ####
[1] "WWWHH" "WWW"   "HH"    "ITM"   "Q01"   "Q02"   "Q03"
####  xt019  ####
 [1] "WWWHH" "WWW"   "HH"    "IDC"   "Q01"   "Q02"   "Q03"   "Q04"   "Q05"
[10] "Q06"
####  xt020  ####
[1] "WWWHH" "WWW"   "HH"    "IDC"   "Q01"   "Q02"   "Q03"   "Q04"   "Q05"
####  xt021  ####
 [1] "WWWHH" "WWW"   "HH"    "IDC"   "Q01"   "Q02"   "Q03"   "Q04"   "Q05"
[10] "Q06A"  "Q06B"  "Q07"   "Q08"   "Q09"
####  xt022  ####
 [1] "WWWHH" "WWW"   "HH"    "IDC"   "Q01"   "Q02"   "Q03"   "Q04"   "Q05"
[10] "Q06"   "Q07"
####  xt023  ####
 [1] "WWWHH" "WWW"   "HH"    "IDC"   "Q01A"  "Q01B"  "Q01C"  "Q02"   "Q03"
[10] "Q04"   "Q05"   "Q06A"  "Q06B"  "Q06C"  "Q06D"
```

```
####  xt024  ####
 [1] "WWWHH" "WWW"   "HH"    "IDC"   "Q07"   "Q08"   "Q09"   "Q10"   "Q11"
[10] "Q12"   "Q13"   "Q14"
####  xt025  ####
 [1] "WWWHH" "WWW"   "HH"    "IDC"   "Q01"   "Q02"   "Q03A"  "Q03B"  "Q03C"
[10] "Q03D"  "Q03E"  "Q03F"  "Q03G"  "Q03H"  "Q04"   "Q05"
####  xt026  ####
[1] "WWWHH" "WWW"   "HH"    "IDC"   "IDR"
####  xt027  ####
 [1] "WWWHH" "WWW"   "HH"    "IDC"   "BIR"   "Q01A"  "Q01B"  "Q02"   "Q03"
[10] "Q04"   "Q05"   "Q06"   "Q07A"  "Q07B"  "Q07C"  "Q08"
####  xt028  ####
 [1] "WWWHH" "WWW"   "HH"    "IDC"   "Q01"   "Q02"   "Q03"   "Q04"   "Q05"
[10] "Q06"   "Q07"   "Q08"   "Q09"   "Q10"   "Q11"
####  xt029  ####
 [1] "WWWHH" "WWW"   "HH"    "IDC"   "Q01"   "Q02"   "Q03"   "Q04"   "Q05"
[10] "Q06"   "Q07"   "Q08"   "Q09"   "Q10T"  "Q10B"  "Q10G"
####  xt030  ####
 [1] "WWWHH" "WWW"   "HH"    "ACT"   "IDC"   "Q01A"  "Q01B"  "Q02"   "Q03"
[10] "Q04A"  "Q04B"  "Q05A"  "Q05B"
####  xt031  ####
 [1] "WWWHH" "WWW"   "HH"    "ACT"   "Q06"   "Q07A"  "Q07B"  "Q08A"  "Q08B"
[10] "Q09"   "Q10"   "Q11"   "Q12"   "Q13"
####  xt032  ####
 [1] "WWWHH" "WWW"   "HH"    "ACT"   "IDC"   "Q01A"  "Q01B"  "Q02A"  "Q02B"
[10] "Q03"   "Q04"   "Q05A"  "Q05B"  "Q06A"  "Q06B"
####  xt033  ####
 [1] "WWWHH" "WWW"   "HH"    "ACT"   "Q07A"  "Q07B"  "Q07C"  "Q07D"  "Q07E"
[10] "Q08"   "Q09"   "Q10"   "Q11"   "Q12"   "Q13"
####  xt034  ####
[1] "WWWHH" "WWW"   "HH"    "RID"   "Q01"
####  xt035  ####
 [1] "WWWHH" "WWW"   "HH"    "PNO"   "Q03A"  "Q03B"  "Q03C"  "Q03D"  "Q04"
[10] "Q05"   "Q06"   "Q07"   "Q08"   "Q09"
####  xt036  ####
 [1] "WWWHH" "WWW"   "HH"    "PNO"   "Q10"   "Q11C"  "Q11K"  "Q12A"  "Q12B"
[10] "Q12C"  "Q12D"  "Q13"   "Q14C"  "Q14K"  "Q15A"  "Q15B"  "Q15C"  "Q15D"
####  xt037  ####
[1] "WWWHH" "WWW"   "HH"    "Q01"
####  xt038  ####
 [1] "WWWHH" "WWW"   "HH"    "PNO"   "Q03"   "Q04"   "Q05A"  "Q05B"  "Q05C"
[10] "Q05D"  "Q06"
####  xt039  ####
 [1] "WWWHH" "WWW"   "HH"    "PNO"   "Q07"   "Q08"   "Q09"   "Q10A"  "Q10B"
[10] "Q10C"  "Q10D"  "Q11A"  "Q11B"  "Q11C"  "Q11D"
####  xt040  ####
 [1] "WWWHH" "WWW"   "HH"    "Q01"   "Q02A"  "Q02B"  "Q02C"  "Q02D"  "Q03"
[10] "Q04"   "Q05A"  "Q05B"  "Q05C"  "Q05D"  "Q06"
####  xt041  ####
 [1] "WWWHH" "WWW"   "HH"    "CCD"   "Q02"   "Q03A"  "Q03B"  "Q03C"  "Q03D"
[10] "Q04A"  "Q04B"  "Q04C"  "Q04D"
####  xt042  ####
[1] "WWWHH" "WWW"   "HH"    "TCS"
####  xt043  ####
[1] "WWWHH" "WWW"   "HH"    "Q01"
####  xt044  ####
```

```
[1] "WWWHH" "WWW"   "HH"    "Q02"   "Q03A"  "Q03B"  "Q04"
####  xt045  ####
[1] "WWWHH" "WWW"   "HH"    "Q01"
####  xt046  ####
[1] "WWWHH" "WWW"   "HH"    "Q02"   "Q03A"  "Q03B"  "Q03C"  "Q04A"  "Q04B"
####  xt047  ####
[1] "WWWHH" "WWW"   "HH"    "Q05"   "Q06"
####  xt048  ####
[1] "WWWHH" "WWW"   "HH"    "Q01"
####  xt049  ####
 [1] "WWWHH" "WWW"   "HH"    "Q02"   "Q03"   "Q04M"  "Q04F"  "Q05M"  "Q05F"
[10] "Q06M"  "Q06F"  "Q07M"  "Q07F"  "Q08M"  "Q08F"  "Q08T"
####  xt050  ####
[1] "WWWHH" "WWW"   "HH"    "Q09"   "Q10"   "Q11"   "Q12"   "Q13"
####  xt051  ####
 [1] "WWWHH" "WWW"   "HH"    "Q01"   "Q02"   "Q03"   "Q04"   "Q05"   "Q06"
[10] "Q07"   "Q08"   "Q09"   "Q10"   "Q11"   "Q12"   "Q13"   "Q14"   "Q15"
[19] "Q16"   "Q17"   "Q18"   "Q19"   "Q20"   "Q21"   "Q22"   "Q23"
####  xt052  ####
[1] "WWWHH" "WWW"   "HH"    "Q01"
####  xt053  ####
 [1] "WWWHH" "WWW"   "HH"    "LVST"  "Q02"   "Q03A"  "Q03B"  "Q04A"  "Q04B"
[10] "Q05A"  "Q05B"  "Q06A"  "Q06B"
####  xt054  ####
 [1] "WWWHH" "WWW"   "HH"    "Q01"   "Q02"   "Q03"   "Q04"   "Q05"   "Q06"
[10] "Q07"   "Q08"   "Q09"   "Q10"   "Q11"   "Q12"   "Q13"
####  xt055  ####
[1] "WWWHH" "WWW"   "HH"    "Q01"
####  xt056  ####
 [1] "WWWHH" "WWW"   "HH"    "EQIP"  "Q02"   "Q03"   "Q04"   "Q05"   "Q06"
[10] "Q07"   "Q08"
####  xt057  ####
[1] "WWWHH" "WWW"   "HH"    "Q09"   "Q10"   "Q11"   "Q12"
####  xt058  ####
[1] "WWWHH" "WWW"   "HH"    "ASE"
####  xt059  ####
 [1] "WWWHH" "WWW"   "HH"    "ENT"   "Q01A"  "Q01B"  "Q01C"  "Q02A"  "Q02B"
[10] "Q02C"  "Q02D"  "Q02E"  "Q03"   "Q04A"  "Q04B"  "Q05"   "Q06"   "Q07"
[19] "Q08"
####  xt060  ####
 [1] "WWWHH" "WWW"   "HH"    "ENT"   "Q09A"  "Q09B"  "Q10"   "Q11"   "Q12"
[10] "Q13"   "Q14"   "Q15"   "Q16"
####  xt061  ####
 [1] "WWWHH" "WWW"   "HH"    "ENT"   "Q02"   "Q03"   "Q04"   "Q05A"  "Q05B"
[10] "Q06"   "Q07"   "Q08"   "Q09"   "Q10"   "Q11"
####  xt062  ####
[1] "WWWHH" "WWW"   "HH"    "Q01"
####  xt063  ####
 [1] "WWWHH" "WWW"   "HH"    "LN0"   "Q03"   "Q04A"  "Q04B"  "Q05"   "Q06"
[10] "Q07"
####  xt064  ####
 [1] "WWWHH" "WWW"   "HH"    "LN0"   "Q08A"  "Q08B"  "Q09A"  "Q09B"  "Q10"
[10] "Q11"   "Q12"   "Q13"
####  xt065  ####
[1] "WWWHH" "WWW"   "HH"    "Q01"
####  xt066  ####
```

```
 [1] "WWWHH" "WWW"   "HH"    "LN0"   "Q03"   "Q04A"  "Q04B"  "Q05"   "Q06"
[10] "Q07"
####  xt067  ####
 [1] "WWWHH" "WWW"   "HH"    "LN0"   "Q08A"  "Q08B"  "Q09A"  "Q09B"  "Q10"
[10] "Q11"   "Q12"
####  xt068  ####
 [1] "WWWHH" "WWW"   "HH"    "Q01"   "Q02"   "Q03"   "Q04"   "Q05"   "Q06"
[10] "Q07"   "Q08"   "Q09"   "Q10"   "Q11"   "Q12"
####  xt069  ####
[1] "WWWHH" "WWW"   "HH"    "Q01"
####  xt070  ####
 [1] "WWWHH" "WWW"   "HH"    "LN0"   "IDR"   "Q02"   "Q03"   "Q04"   "Q05"
[10] "Q06A"  "Q06B"  "Q07"   "Q08A"  "Q08B"
####  xt071  ####
[1] "WWWHH" "WWW"   "HH"    "Q01"
####  xt072  ####
 [1] "WWWHH" "WWW"   "HH"    "LN0"   "IDR"   "Q02"   "Q03"   "Q04"   "Q05"
[10] "Q06"   "Q07A"  "Q07B"  "Q08"   "Q09A"  "Q09B"  "Q10"
####  xt073  ####
[1] "WWWHH" "WWW"   "HH"    "Q01"   "Q02"   "Q03"   "Q04"
####  xt074  ####
[1] "WWWHH" "WWW"   "HH"    "Q01"
####  xt075  ####
 [1] "WWWHH" "WWW"   "HH"    "CIDC"  "Q02"   "Q03A"  "Q03B"  "Q04"   "Q05"
[10] "Q06A"  "Q06B"  "Q07A"  "Q07B"  "Q08A"  "Q08B"  "Q09"   "Q10"   "Q11"
####  xt076  ####
 [1] "WWWHH" "WWW"   "HH"    "IDR"   "Q01"   "Q02"   "Q03"   "Q04"   "Q05"
[10] "Q06"   "Q07"   "Q08"   "Q09"   "Q10"   "Q11"   "Q12"   "Q13"   "Q14"
```

FREQUENCY OF CATEGORICAL VARIABLES

```
> # file.names: Rnames[j]    (j=1…76)
> # file.list: outfiles[[j]]
> # codebook: cb2
> # list of column numbers of categorical variables
> ck<-list()
> ck[[1]]<-c(9,10,13:15,28)
> ck[[2]]<-c(6:8,10,12:16)
> ck[[3]]<-c(5:7,9:12,14)
> ck[[4]]<-c(8,11,14,16:21)
> ck[[5]]<-c(5:9)
> ck[[6]]<-c(4,13:18,23)
> ck[[7]]<-c(4,7,9)
> ck[[8]]<-c(4,5,7,8,10)
> ck[[9]]<-c(4,5,7:12,14,15)
> ck[[10]]<-c(4:6,10,12,13)
> ck[[11]]<-c(4,5)
> ck[[12]]<-c(5,7,9,11,12)
> ck[[13]]<-c(4:6,8,10,12)
> ck[[14]]<-c(4)
> ck[[15]]<-c(4,5)
> ck[[16]]<-c(4,5)
```

```
> ck[[17]]<-c(4, 5, 8)
> ck[[18]]<-c(4, 5)
> ck[[19]]<-c(5:10)
> ck[[20]]<-c(5, 6, 9)
> ck[[21]]<-c(5, 6, 9, 13)
> ck[[22]]<-c(6, 7, 11)
> ck[[23]]<-c(8:11)
> ck[[24]]<-c(6, 8:12)
> ck[[25]]<-c(5:14, 16)
> ck[[26]]<-c()
> ck[[27]]<-c(9:11, 16)
> ck[[28]]<-c(5:7, 9:15)
> ck[[29]]<-c(6:13)
> ck[[30]]<-c(8, 10, 11)
> ck[[31]]<-c(6, 7, 10:13)
> ck[[32]]<-c(10, 12, 13)
> ck[[33]]<-c(10:14)
> ck[[34]]<-c(5)
> ck[[35]]<-c(8, 10:13)
> ck[[36]]<-c(5, 8:12, 15:18)
> ck[[37]]<-c(4)
> ck[[38]]<-c(5, 10, 11)
> ck[[39]]<-c(5:15)
> ck[[40]]<-c(4, 8, 10, 14)
> ck[[41]]<-c(5, 6, 10)
> ck[[42]]<-c()
> ck[[43]]<-c(4)
> ck[[44]]<-c(4:6)
> ck[[45]]<-c(4)
> ck[[46]]<-c(4:7)
> ck[[47]]<-c(4, 5)
> ck[[48]]<-c(4)
> ck[[49]]<-c(4, 5)
> ck[[50]]<-c(5)
> ck[[51]]<-c()
> ck[[52]]<-c(4)
> ck[[53]]<-c(4, 5)
> ck[[54]]<-c()
> ck[[55]]<-c(4)
> ck[[56]]<-c(4, 5)
> ck[[57]]<-c(4:7)
> ck[[58]]<-c(4)
> ck[[59]]<-c(16, 18)
> ck[[60]]<-c(5:11, 13)
> ck[[61]]<-c()
> ck[[62]]<-c(4)
> ck[[63]]<-c(8, 9)
> ck[[64]]<-c(9, 11)
> ck[[65]]<-c(4)
> ck[[66]]<-c(8, 9)
> ck[[67]]<-c(9, 11)
> ck[[68]]<-c(4, 10)
> ck[[69]]<-c(4)
> ck[[70]]<-c(8, 9, 11, 12)
> ck[[71]]<-c(4)
> ck[[72]]<-c(8, 9, 12, 13, 16)
```

```
> ck[[73]]<-c(4)
> ck[[74]]<-c(4)
> ck[[75]]<-c(8,9,12,13,15,16,18)
> ck[[76]]<-c(5:18)
> for(j in 1:length(ck)){
+ if(length(ck[[j]])==0) {next}
+ cat("¥n¥n#### FREQUENCY OF VARIABLES IN", Rnames[j],
+ "########################################¥n¥n")
+ for(k in ck[[j]]){
+ var.name<-colnames(outfiles[[j]])[k]
+ var.desc<-as.character(cb2[cb2$RT==j&cb2$Variable==var.name,"Description"])
+ cat("-----",var.name,"-----",var.desc,"------------------------------")
+ print(addmargins(table(outfiles[[j]][k],useNA="ifany")))
+ }}



#### FREQUENCY OF VARIABLES IN xt001 ########################################

----- INTV ----- Household interviewed? -------------------------------
   1    2  Sum
3493  419 3912
----- RESN ----- Reason -----------------------------
   1    2    3 <NA>  Sum
  63  339   18 3492 3912
----- RELI ----- Religion -----------------------------
   1    2    3    4    5    6    7    9  Sum
3191  406  162  110    3   32    7    1 3912
----- LANG ----- Language used -----------------------------
   1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17
2197  471  222  146  177  261   79   51   42   44   49    1    7   19   16   26    2
  18   19   20   21   23   24   25   26  Sum
   7    5    6    4    3    7    6   64 3912
----- INTP ----- Interpreter used -----------------------------
   1    2  Sum
 167 3745 3912
----- VERI ----- Verification by supervisor -----------------------------
   1    2 <NA>  Sum
3856    6   50 3912


#### FREQUENCY OF VARIABLES IN xt002 ########################################

----- Q01A ----- D Ethnicity -----------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    13    14
 3229  2788  1280  1383  1255  2197  1209   807   527   784   521   406   300   409
   15    16    17    18    19    20    21    22    23    24    25    26    27    28
  342   252   295   133    60   162   302   153    95    94   115   102   139   178
   29    30    31    32    33    34    35    36    37    38    39    40    41    42
  110   284    55    86    81    83    91    34    77    15    40    41    61    67
   43    44    45    46    47    48    49    50    51    52    53    54    55    56
   22    41    60    65    37    24    45    58    67    33    19    16    19    25
   57    58    59    60    61    62    63    67    68    69    70    72    73    78
   23    19     5     8    12     8    11    23    14     1    16    10     8     6
   79    81    84    85    86    88    90    94    99   102  <NA>   Sum
```

```
   31    10    19     1     8     4     1     9     4   106     1 21531
----- Q02 ----- 2 Sex ------------------------------
    1     2   Sum
10740 10791 21531
----- Q03 ----- 3 Relationship ----------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    13    14
 3913  3155  9404  2020   585   440   253  1235   130    83   182    98     2    31
  Sum
21531
----- Q04B ----- 4B Urban/Rural ----------------------------
    1     2  <NA>   Sum
 2772 18007   752 21531
----- Q06 ----- 6 Marital status ----------------------------
    1     2     3     4     5  <NA>   Sum
 9407    39   141   951  5688  5305 21531
----- Q07 ----- 7 Spouse in list? ----------------------------
    1     2     7  <NA>   Sum
 8814   591     1 12125 21531
----- Q08 ----- 8 ID code of spouse ----------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    13    14
 3162  3284   849   675   147   162   160   114    72    48    35    35    21     7
   15    16    17    19    20    21    22    23    24    25    26    27    28  <NA>
   10     9     5     3     3     1     1     2     2     1     1     1     1 12720
  Sum
21531
----- Q09 ----- 9 Months at home ----------------------------
    0     1     2     3     4     5     6     7     8     9    10    11    12  <NA>
  218   398   363   218   155   132   195   151   197   164   305   302 18732     1
  Sum
21531
----- Q10 ----- 10 Member or not? ----------------------------
    1     2  <NA>   Sum
20264  1266     1 21531


#### FREQUENCY OF VARIABLES IN xt003 ########################################

----- Q01 ----- 1 Father living at home? ----------------------------
    1     2     3   Sum
 8976  5253  6050 20279
----- Q02 ----- 2 ID code of father ----------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    14    15
 7165   521   761    61    73   102    72    62    41    38    10    29     6     7
   16    19    21    23    25    27  <NA>   Sum
    7     9     2     4     3     3 11303 20279
----- Q03 ----- 3 Level completed ----------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    13    14
   19    87   124   160   323   122   123   265   110   284   356   168   104    25
   15    16    17  <NA>   Sum
    5  2209  6819  8976 20279
----- Q04B ----- 4B Urban/Rural ----------------------------
    1     2  <NA>   Sum
  600 10073  9606 20279
----- Q05 ----- 5 Mother living at home? ----------------------------
    1     2     3  <NA>   Sum
10889  4459  4930     1 20279
```

```
----- Q06 ----- 6 ID code of mother ------------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    13    14
 1440  6934   604   948   183   189   181   113    90    51    37    31    31     3
   15    16    17    19    20    21    22    24    26    28 <NA>   Sum
   12     9     9     3     7     2     2     4     3     3  9390 20279
----- Q07 ----- 7 Level completed ------------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    13    14
    2    15    22    33    51    25    26    43    12    26    40    18     6     7
   16    17 <NA>   Sum
  527  8537 10889 20279
----- Q08B ----- 8B Urban/Rural ------------------------------
    1     2 <NA>   Sum
  462  8116 11701 20279


#### FREQUENCY OF VARIABLES IN xt004 ########################################

----- Q02 ----- 2 Months worked ------------------------------
    1     2     3     4     5     6     7     8     9    10    11    12 <NA>   Sum
 2159  3552  2713  3097  1637  4154  1338  2370   911  2077   520 16725 6300 47553
----- Q05 ----- 5 Days worked in past 7 days ------------------------------
    0     1     2     3     4     5     6     7 <NA>   Sum
15210  1633  2743  2469  1920  1931  1927 13420 6300 47553
----- Q07 ----- 7 Did this work in this VDC/NP ------------------------------
    1     2 <NA>   Sum
32887   993 13673 47553
----- Q08B ----- 8B Region worked in ------------------------------
    1     2 <NA>   Sum
  297   503 46753 47553
----- Q09A ----- 9 Sector of employment ------------------------------
    1 <NA>   Sum
 2555 44998 47553
----- Q09B -----  ------------------------------
    1 <NA>   Sum
 2538 45015 47553
----- Q09C -----  ------------------------------
    1 <NA>   Sum
15422 32131 47553
----- Q09D -----  ------------------------------
    1 <NA>   Sum
 2162 45391 47553
----- Q09E -----  ------------------------------
    1 <NA>   Sum
11210 36343 47553


#### FREQUENCY OF VARIABLES IN xt005 ########################################

----- Q01 ----- 1 Available for work? ------------------------------
    1     2 <NA>   Sum
  704  5847  5329 11880
----- Q02 ----- 2 Looked for work? ------------------------------
    1     2 <NA>   Sum
  228   475 11177 11880
----- Q03 ----- 3 Why not? ------------------------------
    1     2     3     4     5     6     7     8     9    10    11    12 <NA>   Sum
```

```
 3699   644   581   163    78    28    12    43   190    58    86   739  5559 11880
----- Q04 ----- 4 Available for work? ------------------------------
    1     2  <NA>   Sum
 1270  4059  6551 11880
----- Q05 ----- 5 Looked for work? ------------------------------
    1     2  <NA>   Sum
  423   847 10610 11880


#### FREQUENCY OF VARIABLES IN xt006 ########################################

----- Q01 ----- 1 Occupied only by you? ------------------------------
   1    2  Sum
3153  759 3912
----- Q03 ----- 3 Kitchen garden? ------------------------------
   1    2  Sum
2490 1422 3912
----- Q04 ----- 4 Main material of walls ------------------------------
   1    2    3    4    5    6    7  Sum
 931 1808  628    3   35  501    6 3912
----- Q05 ----- 5 Main flooring material ------------------------------
   1    2    3    4    5  Sum
2866  143   85  813    5 3912
----- Q06 ----- 6 Main material for roof ------------------------------
   1    2    3    4    5    6    7  Sum
1097   74   36  895  723 1074   13 3912
----- Q07 ----- 7 Windows fitted with ------------------------------
   1    2    3    4  Sum
1470 2007  404   31 3912
----- Q08A ----- 8 Size of plot UNIT ------------------------------
   1    2  Sum
2120 1792 3912
----- Q10 ----- 10 Year built ------------------------------
   1    2  Sum
2593 1319 3912


#### FREQUENCY OF VARIABLES IN xt007 ########################################

----- Q01 ----- 1 Dwelling owned by you? ------------------------------
   1    2  Sum
3471  441 3912
----- Q04 ----- 4 Rent part of dwelling? ------------------------------
   1    2 <NA>  Sum
 236 3235  441 3912
----- Q06 ----- 6 Present occupancy status ------------------------------
   1    2    3    4 <NA>  Sum
 315  104   12    9 3472 3912


#### FREQUENCY OF VARIABLES IN xt008 ########################################

----- Q01 ----- 1 Source of water ------------------------------
   1    2    3    4  Sum
1949 1267  174  522 3912
----- Q02 ----- 2 Water piped to house? ------------------------------
```

```
   1    2 <NA>  Sum
 808 1142 1962 3912
----- Q04 ----- 4 Sanitation system ------------------------------
   1    2    3    4  Sum
 444  195   80 3193 3912
----- Q05 ----- 5 Garbage disposal ------------------------------
   1    2    3    4    5    6  Sum
 376  161  772  382 2119  102 3912
----- Q07 ----- 7 Type of toilet ------------------------------
   1    2    3    4    5  Sum
 413  726  636   25 2112 3912


#### FREQUENCY OF VARIABLES IN xt009 ########################################

----- Q08 ----- 8 Source of light ------------------------------
   1    2    3  Sum
1744 1992  176 3912
----- Q09 ----- 9 Type of meter ------------------------------
   1    2    3 <NA>  Sum
 508 1056  180 2168 3912
----- Q11A ----- 11 Have facilities Telephone ------------------------------
   1    2  Sum
 394 3518 3912
----- Q11B ----- Mobile ------------------------------
   1    2  Sum
  61 3851 3912
----- Q11C ----- Pager ------------------------------
   1    2  Sum
  14 3898 3912
----- Q11D ----- TV/Cable ------------------------------
   1    2  Sum
 461 3451 3912
----- Q11E ----- Email ------------------------------
   1    2  Sum
  33 3879 3912
----- Q11F ----- Internet ------------------------------
   1    2  Sum
  31 3881 3912
----- Q13 ----- 13 Fuel used ------------------------------
   1    2    3    4    5    6    7 <NA>  Sum
2530  404   93  513  265   93   13    1 3912
----- Q14 ----- 14 Stove for cooking ------------------------------
   1    2    3    4    5 <NA>  Sum
1031 1906   77  864   33    1 3912


#### FREQUENCY OF VARIABLES IN xt010 ########################################

----- Q01 ----- 1 Use any firewood past 12 months ------------------------------
   1    2  Sum
3067  845 3912
----- Q02 ----- 2 Collect any firewood past 12 months? ------------------------------
   1    2 <NA>  Sum
2643  425  844 3912
----- Q03A ----- 3 Average amount collected/month Unit : ------------------------------
```

```
   1    2 <NA>  Sum
2605   38 1269 3912
----- Q05 ----- 5 Where did you collect fire wood? -----------------------------
   1    2    3    4 <NA>  Sum
 675  825  815  329 1268 3912
----- Q07 ----- 7 Collect fodder past 12 month ----------------------------
   1    2 <NA>  Sum
2688 1222    2 3912
----- Q08 ----- 8 Where did you collect fodder? -----------------------------
   1    2    3    4 <NA>  Sum
1567  303  344  474 1224 3912


#### FREQUENCY OF VARIABLES IN xt011 ########################################

----- Q01 ----- 1 CODE OF FACILITY -------------------------------
  101   102   103   104   105   106   107   108   109   110   111   112   113   114
 3912  3912  3912  3912  3912  3912  3912  3912  3912  3912  3912  3912  3912  3912
  115   Sum
 3912 58680
----- Q02 ----- 2 Mode of transport -----------------------------
    1     2     3     4     5     6     7   Sum
33856  2639   269   889  6404  9798  4825 58680


#### FREQUENCY OF VARIABLES IN xt012 ########################################

----- Q01 ----- 1 Ever migrated? -------------------------------
    1     2   Sum
 6677 11075 17752
----- Q02B ----- Region: -------------------------------
    1     2  <NA>   Sum
  465  5387 11900 17752
----- Q04 ----- 4 Work activies then? -------------------------------
    1     2  <NA>   Sum
 5574   668 11510 17752
----- Q06 ----- 6 Reason for migration -------------------------------
    1     2     3     4     5     6     7  <NA>   Sum
 4495   241     9    40   546   713   197 11511 17752
----- Q07 ----- 7 Anybody here before migrated to -------------------------------
    1     2     3  <NA>   Sum
 1058   302   387 16005 17752


#### FREQUENCY OF VARIABLES IN xt013 ########################################

----- ITM ----- F O O D C O D E -------------------------------
    11     12     13     14     15     16     17     18     21     22     23     24
  3912   3912   3912   3912   3912   3912   3912   3911   3912   3912   3912   3912
    25     26     31     32     33     34     35     36     41     42     43     44
  3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912
    51     52     53     54     55     56     61     62     63     64     65     66
  3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912
    67     68     71     72     73     74     75     81     82     83     84     85
  3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912
    86     91     92     93     94    101    102    103    104    111    112    113
```

```
  3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912
   114    121    122    123    124    131    132    133    Sum
  3912   3912   3912   3912   3911   3912   3912   3912 266014
----- Q01 ----- 1 Yes/No ------------------------------
     1      2    Sum
143788 122226 266014
----- Q02 ----- 2 No. of months consumed ------------------------------
     0      1      2      3      4      5      6      7      8      9     10     11
 77841   2539   6113   6084   5550   2388   5842   1229   2024    600   1325    134
    12   <NA>    Sum
 10802 143543 266014
----- Q03B ----- Unit ------------------------------
     1      2      3      4      5      6      7      8      9     10   <NA>    Sum
 18549    338     34   1949     69   3302   1084     64   1670    560 238395 266014
----- Q05 ----- 5 No. of months purchased ------------------------------
     0      1      2      3      4      5      6      7      8      9     10     11
 38593   7168  14990  11700  10842   3455   8775   1484   2746    824   2017    353
    12   <NA>    Sum
 40842 122225 266014
----- Q06B ----- Unit ------------------------------
     1      2      3      4      5      6      7      8      9     10   <NA>    Sum
 48369   6762     22   4798     61   1020    893     47   4293   1427 198322 266014


#### FREQUENCY OF VARIABLES IN xt014 ########################################

----- ITM ----- F O O D I T E M ------------------------------
 140  150  Sum
3912 3912 7824


#### FREQUENCY OF VARIABLES IN xt015 ########################################

----- ITM ----- I T E M C O D E ------------------------------
   210    211    212    213    214    215    220    221    222    223    224    225
  3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912
   226    227    228    229    230    231    232    233    234    235    236    237
  3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912
   238    239    241    242    250    260    Sum
  3912   3912   3912   3912   3912   3912 117360
----- Q01 ----- 1 Yes/No ------------------------------
     1      2    Sum
 73686  43674 117360


#### FREQUENCY OF VARIABLES IN xt016 ########################################

----- ITM ----- I T E M C O D E ------------------------------
   310    311    312    313    314    315    316    317    318    319    320    321
  3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912
   322    323    324    325    326    327    328    410    411    412    413    414
  3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912
   415    416    417    418    419    421    422    423    424    425    426    427
  3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912   3912
   428    Sum
  3912 144744
```

```
----- Q01 ----- 1 Yes/No ------------------------------
     1      2   <NA>    Sum
 30921 113817      6 144744


#### FREQUENCY OF VARIABLES IN xt017 ########################################

----- ITM ----- I T E M C O D E ------------------------------
   50   501   502   503   504   505   506   507   508   509   510   511   512   513
    1  3912  3912  3912  3912  3912  3912  3912  3912  3912  3912  3912  3912  3912
  514   515   516   517   Sum
 3912  3912  3912  3912 66505
----- Q01 ----- 1 Yes/No ------------------------------
    1     2   Sum
17674 48831 66505
----- Q04 ----- 4 Purchased/gift/dowry ------------------------------
    1     2     3  <NA>   Sum
 6698   418   277 59112 66505


#### FREQUENCY OF VARIABLES IN xt018 ########################################

----- ITM ----- I T E M C O D E ------------------------------
  600   601   602   603   604   605   606   607   608   609   610   611   612   613
 3902  3910  3910  3910  3910  3910  3910  3910  3910  3910  3910  3910  3910  3897
  Sum
54719
----- Q01 ----- 1 Yes/No ------------------------------
    1     2  <NA>   Sum
13025 41693     1 54719


#### FREQUENCY OF VARIABLES IN xt019 ########################################

----- Q01 ----- 1 ID code of respondent ------------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    13    14
10344  3101  1797   872   485   355   233   180   133    57    74    39    13    22
   15    16    17    19    20    21    23    24    25    32    33   Sum
    5     4     3     1     1     1     1     2     2     1     1 17727
----- Q02 ----- 2 Can person read a letter? ------------------------------
    1     2   Sum
 9914  7813 17727
----- Q03 ----- 3 Can person write a letter? ------------------------------
    1     2  <NA>   Sum
 9408   506  7813 17727
----- Q04 ----- 4 Where did person learn? ------------------------------
    1     2     3     4     5  <NA>   Sum
 8722   337    88   110   151  8319 17727
----- Q05 ----- 5 Educational background ------------------------------
    1     2     3   Sum
 7272  4901  5554 17727
----- Q06 ----- 6 Why didn't attend? ------------------------------
    1     2     3     4     5     6     7     8     9  <NA>   Sum
 1216   932   237  1443    57  2391   413    54   529 10455 17727
```

```
#### FREQUENCY OF VARIABLES IN xt020 ########################################

----- Q01 ----- 1 Type of school ------------------------------
   1    2    3    4  Sum
4663  172    4   63 4902
----- Q02 ----- 2 Highest level completed ----------------------------
   0    1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16
  39  107  292  396  443  618  284  353  418  249  530  586  312  200   55    3   17
 Sum
4902
----- Q05 ----- 5 Why leave school? ----------------------------
   1    2    3    4    5    6    7    8    9   10  Sum
  65  584  101 1739  371  346  202 1055   31  408 4902


#### FREQUENCY OF VARIABLES IN xt021 ########################################

----- Q01 ----- 1 Type of school ------------------------------
   1    2    3    4  Sum
4287 1182   14   71 5554
----- Q02 ----- 2 Class currently attending ----------------------------
   0    1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16
 247  846  642  579  557  453  426  337  348  263  306  123  250  137   25    2   13
 Sum
5554
----- Q05 ----- 5 Mode of transport ----------------------------
   1    2    3    4    5  Sum
5015  219  187  102   31 5554
----- Q08 ----- 8 Receive scholarship? ----------------------------
   1    2  Sum
 243 5311 5554


#### FREQUENCY OF VARIABLES IN xt022 ########################################

----- Q02 ----- 2 Suffer chronic illness? ----------------------------
    1     2  <NA>   Sum
 1130 19132     7 20269
----- Q03 ----- 3 Primary chronic illness? ----------------------------
    1     2     3     4     5     6     7     8     9    10    11    12  <NA>   Sum
  109    76   255    31    11    85    19    13    21   158     1   351 19139 20269
----- Q07 ----- 7 Present health status ----------------------------
    1     2     3     4   Sum
11797  8095   360    17 20269


#### FREQUENCY OF VARIABLES IN xt023 ########################################

----- Q02 ----- 2 Type of illness ----------------------------
    1     2     3     4     5     6     7     8     9    10    11    12  <NA>   Sum
  206    55   171    28  1045    73    30    10    12    17   126   839 17652 20264
----- Q03 ----- 3 Anyone consulted? ----------------------------
    1     2  <NA>   Sum
 1705   907 17652 20264
----- Q04 ----- 4 Where consulted? ----------------------------
    1     2     3     4     5     6     7     8     9    10  <NA>   Sum
```

```
  258   167    31   263     9    15   691   164    40    67 18559 20264
----- Q05 ----- 5 Person consulted ------------------------------
    1     2     3     4     5     6     7     8  <NA>   Sum
  329   405    15   419   452     7    38    40 18559 20264


#### FREQUENCY OF VARIABLES IN xt024 ########################################

----- Q08 ----- 8 Stopped work? -------------------------------
    1     2  <NA>   Sum
 1106   976 13807 15889
----- Q10 ----- 10 Diarrhea -anything given? -----------------------------
    1     2  <NA>   Sum
   80    38 15771 15889
----- Q11 ----- 11 Treatment given ---------------------------
    1     2     3     4  <NA>   Sum
   52    20     7     1 15809 15889
----- Q12 ----- 12 Place obtained -----------------------------
    1     2     4     5     6     7     8  <NA>   Sum
   20    11     4     1     2     2    12 15837 15889
----- Q13 ----- 13 Heard about HIV/AIDS -----------------------------
    1     2  <NA>   Sum
 9279  5773   837 15889
----- Q14 ----- 14 First media to know about HIV/AIDS -----------------------------
    1     2     3     4     5     6  <NA>   Sum
 4435  2266   945  1031   230   372  6610 15889


#### FREQUENCY OF VARIABLES IN xt025 ########################################

----- Q01 ----- 1 Ever been immunized? -------------------------------
   1    2    3  Sum
2360  169   11 2540
----- Q02 ----- 2 Have immunization card? -------------------------------
   1    2 <NA>  Sum
1033 1326  181 2540
----- Q03A ----- 3 BCG -----------------------------
   1    2 <NA>  Sum
1021   11 1508 2540
----- Q03B ----- DPT1 -----------------------------
   1    2 <NA>  Sum
 999   31 1510 2540
----- Q03C ----- DPT2 -----------------------------
   1    2 <NA>  Sum
 942   82 1516 2540
----- Q03D ----- DPT3 -----------------------------
   0    1    2 <NA>  Sum
   1  882  131 1526 2540
----- Q03E ----- POLIO 1 -----------------------------
   1    2 <NA>  Sum
 978   48 1514 2540
----- Q03F ----- POLIO 2 -----------------------------
   1    2 <NA>  Sum
 922   95 1523 2540
----- Q03G ----- POLIO 3 -----------------------------
   1    2 <NA>  Sum
```

```
 871  137 1532 2540
----- Q03H ----- MEASLES -------------------------------
   0    1    2 <NA>  Sum
   7  771  225 1537 2540
----- Q05 ----- 5 Place immunized -----------------------------
   1    2    3    4    5    6 <NA>  Sum
 795  377   37  288  805   58  180 2540


#### FREQUENCY OF VARIABLES IN xt027 ########################################

----- Q03 ----- 3 Sex of child -------------------------------
    1     2   Sum
 6100  5700 11800
----- Q04 ----- 4 Still alive ---------------------------------
    1     2   Sum
10623  1177 11800
----- Q05 ----- 5 Live with you? -----------------------------
    1     2  <NA>   Sum
 9026  1597  1177 11800
----- Q08 ----- 8 Highest level completed -------------------------------
    0     1     2     3     4     5     6     7     8     9    10    11    12    13
   34    47    61    90    84   145    83   110   104    77    96   151    85    25
   14    16    17    99  <NA>   Sum
   10    27    62   457 10052 11800


#### FREQUENCY OF VARIABLES IN xt028 ########################################

----- Q01 ----- 1 Went for consultation -----------------------------
   1    2 <NA>  Sum
 894  627    1 1522
----- Q02 ----- 2 Where ? -------------------------------
   1    2    3    4    5    7    8    9   10 <NA>  Sum
 229  165   27  298   36   75   56    1    7  628 1522
----- Q03 ----- 3 Care provider? -----------------------------
   1    2    3    4    5 <NA>  Sum
 364  412  113    1    4  628 1522
----- Q05 ----- 5 Given tetanus injection -----------------------------
   1    2 <NA>  Sum
 844   50  628 1522
----- Q06 ----- 6 How many times -----------------------------
   1    2    3 <NA>  Sum
  95  452  297  678 1522
----- Q07 ----- 7 Where given birth -----------------------------
   1    2    3    4    5    6    7 <NA>  Sum
1203    9    9    3  259   28   10    1 1522
----- Q08 ----- 8 Who assisted -----------------------------
   1    2    3    4    5    6    7    8 <NA>  Sum
 850  128  130   25   31  314    7   36    1 1522
----- Q09 ----- 9 Post-natal checkup -----------------------------
   1    2 <NA>  Sum
 221 1300    1 1522
----- Q10 ----- 10 Where ? -----------------------------
   1    2    3    4    5    7    8    9   10 <NA>  Sum
  44   20    8   97   14   14   18    1    4 1302 1522
```

```
----- Q11 ----- 11 Care provider? ------------------------------
   1    2    3 <NA>  Sum
 110   71   39 1302 1522


#### FREQUENCY OF VARIABLES IN xt029 ########################################

----- Q02 ----- 2 Know any method ------------------------------
   1    2  Sum
3093  859 3952
----- Q03 ----- 3 Medium to learn ------------------------------
   1    2    3    4    5    6    7 <NA>  Sum
1187  287  107  698  437  352   25  859 3952
----- Q04 ----- 4 Ever used ------------------------------
   1    2 <NA>  Sum
1904 1189  859 3952
----- Q05 ----- 5 Currently using ------------------------------
   1    2 <NA>  Sum
1588  316 2048 3952
----- Q06 ----- 6 Which method ------------------------------
   1    2    3    4    5 <NA>  Sum
 123  644  319  484   18 2364 3952
----- Q07 ----- 7 Where obtained ------------------------------
   1    2    3    4    5    6 <NA>  Sum
 932  117  170  271   50   29 2383 3952
----- Q08 ----- 8 Why not ------------------------------
   1    2    3    4    5    6    7    8 <NA>  Sum
  17    4  354  522   51  212   62  283 2447 3952
----- Q09 ----- 9 Health worker visit ------------------------------
   1    2  Sum
 445 3507 3952


#### FREQUENCY OF VARIABLES IN xt030 ########################################

----- Q02 ----- 2 Basis of payment receive ------------------------------
   1    2    3  Sum
2271   27  257 2555
----- Q04A ----- 4 In-kind payment First ------------------------------
   0    1    2    3    4    5    6    7 <NA>  Sum
   1  449   17   13 1313    2  261  215  284 2555
----- Q04B ----- Second ------------------------------
   0    1    2    3    4    5    6    7 <NA>  Sum
  14   24   28   19  360    6  104 1269  731 2555


#### FREQUENCY OF VARIABLES IN xt031 ########################################

----- Q07A ----- 7 In-kind payment First ------------------------------
   1    3    4    5    6    7 <NA>  Sum
  13    1    6    2    1   10  251  284
----- Q07B ----- Second ------------------------------
   0    2    4    5    6    7 <NA>  Sum
   1    1   11    3    1    5  262  284
----- Q09 ----- 9 Took a loan from employer? ------------------------------
   1    2 <NA>  Sum
```

```
   8   19  257  284
----- Q10 ----- 10 Other member work together ------------------------------
   1    2 <NA>  Sum
  11   16  257  284
----- Q11 ----- 11 Share-crop land with employer? -------------------------------
   1    2 <NA>  Sum
   3   24  257  284
----- Q12 ----- 12 Tend livestock for employer? -----------------------------
   1    2 <NA>  Sum
   7   20  257  284


#### FREQUENCY OF VARIABLES IN xt032 ########################################

----- Q03 ----- 3 Basis of payment receive -----------------------------
   1    2    3  Sum
1045 1057  434 2536
----- Q05A ----- 5 In-kind payment First -----------------------------
   0    1    4    5    6    7 <NA>  Sum
   2   68  331    1   53  588 1493 2536
----- Q05B ----- Second ----------------------------
   0    1    2    3    4    5    6    7 <NA>  Sum
   3    4    2    2   25    1   59  261 2179 2536


#### FREQUENCY OF VARIABLES IN xt033 ########################################

----- Q08 ----- 8 Taxes deducted -----------------------------
   1    2 <NA>  Sum
 146  911  435 1492
----- Q09 ----- 9 Providend fund -----------------------------
   1    2 <NA>  Sum
 331  726  435 1492
----- Q10 ----- 10 Receive pension -----------------------------
   1    2 <NA>  Sum
 226  831  435 1492
----- Q11 ----- 11 Subsidized medical care -----------------------------
   1    2 <NA>  Sum
 272  785  435 1492
----- Q12 ----- 12 Total workers -----------------------------
   1    2    3 <NA>  Sum
  72  413  573  434 1492


#### FREQUENCY OF VARIABLES IN xt034 ########################################

----- Q01 ----- 1 Own any agricultural land -----------------------------
   1    2  Sum
2841 1070 3911


#### FREQUENCY OF VARIABLES IN xt035 ########################################

----- Q03D ----- Unit: -----------------------------
   1    2  Sum
5468 3309 8777
```

```
----- Q05 ----- 5 Type of land ------------------------------
   1    2  Sum
4434 4343 8777
----- Q06 ----- 6 Plot Irrigated? ------------------------------
   1    2  Sum
3571 5206 8777
----- Q07 ----- 7 Frequency ------------------------------
   1    2 <NA>  Sum
1646 1925 5206 8777
----- Q08 ----- 8 Mode of irrigation ------------------------------
   1    2    3    4    5 <NA>  Sum
 555 2582   68  304   62 5206 8777


#### FREQUENCY OF VARIABLES IN xt036 ########################################

----- Q10 ----- 10 DRY SEASON Use of plot ------------------------------
   1    2    3    4    5    6 <NA>  Sum
6429  457   60   69 1727   33    2 8777
----- Q12A ----- 12 DRY SEASON Crop 1 ------------------------------
   0    1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16
   4   76   18    1 2778  228   50  110  209   60   12    4   23   14   41  369    5
  17   18   19   20   21   22   23   24   25   26   27   28   29   30   31   32   33
  21   11   23   11   29  423    7    6    3    6  459    1   58    3    2   63    5
  34   35   36   37   38   39   40   41   42   43   44   45   46   47   48   50   51
   3   11   20   35   44   11   11   29   11    1  498   13   13    2    2    5   74
  52   54   58   59   60   62   63   64   65   66   67 <NA>  Sum
  23    3    3    2    5   11    7  315   49   37   55 2351 8777
----- Q12B ----- Crop 2 ------------------------------
   1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17
  28    2    2  189   94   15   29  191   58    7   12   27   30   18  509   29   85
  18   19   20   21   22   23   24   25   26   27   28   29   30   31   32   33   34
  25   12   24   55  415    5    5   12    4  501    2   70    6    5   10    4   13
  35   36   37   38   39   40   41   42   43   44   45   46   47   48   50   51   52
   6   59  139  137   30   49    1   16    3  449   12   11    1    6    4   31   35
  53   54   55   56   57   58   59   60   62   64   65   66   67 <NA>  Sum
   5    7    1    1    2    4    3    7    8   18  101   40   69 5029 8777
----- Q12C ----- Crop 3 ------------------------------
   1    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19
  12   51   38    7   10   41   30    5   10   13   22   12  158   26   91   17    4
  20   21   22   23   24   25   26   27   28   29   30   31   32   33   34   35   36
  19   29  232    5    4    9    2  223    3   39    3    4    8    2   10    1   76
  37   38   39   40   41   42   43   44   45   46   47   48   50   51   52   53   54
 141  170   30   37    4   31    7  251    7    6    4    9    5   25   33    8    7
  55   56   57   58   59   60   62   63   64   65   66   67 <NA>  Sum
   2    1    3    8    6    8    8    1   11   31   37   47 6623 8777
----- Q12D ----- Crop 4 ------------------------------
   1    4    5    6    7    8    9   11   12   13   14   15   16   17   18   19   20
  12   20   16    3    6   16    7    2    3   11    2   44   12   51    2    1    5
  21   22   23   24   25   27   28   29   30   31   32   33   34   35   36   37   38
  17  129    5    5    9   64    2   17    1    3    5    4    5    3   51   68  117
  39   40   41   42   43   44   45   46   47   48   50   51   52   53   54   55   56
  33   43    1   31    2  211    9   10    4    4    1   15   28    6    4    1    2
  57   58   59   60   62   64   65   66   67 <NA>  Sum
   1    3    2    6    8    2   13   15   16 7588 8777
----- Q13 ----- 13 WET SEASON Use of plot ------------------------------
```

```
   0    1    2    3    4    5    6 <NA>  Sum
   1 7794  533   65   76  271   35    2 8777
----- Q15A ----- 15 WET SEASON Crop 1 ----------------------------
   1    2    3    4    5    6    7    8    9   10   11   12   13   15   18   19   20
  13 3678   74   67   33 2452  358   18   11   17   18   18   12    1    3    9   12
  21   22   23   24   25   27   28   30   31   32   33   35   36   37   38   39   40
  26    4   45    2    3    6    5    5    1   75    5    7   11    4    1    7    5
  41   42   44   45   46   48   51   52   54   56   58   59   60   62   63   64   65
  28    1    8  197    4    3   75   15    4    1    3    1    3    6    5  337   29
  66   67 <NA>  Sum
  33   33  985 8777
----- Q15B ----- Crop 2 ----------------------------
   1    2    3    4    5    6    7    8    9   10   11   12   13   15   17   18   19
   3  132   33   10    7  477 1070    6   22   27  632  610  223   13    1    8   56
  20   21   22   23   24   25   26   27   28   29   30   31   32   33   34   35   36
 119  195   10  118    8   27    4    8    3    1    8    4   18    5    1    9   54
  37   38   39   40   41   42   43   44   45   46   47   48   50   51   52   53   54
  13   14   50   30    5    2    1    8  422    3    1    3    3   46   23    9    6
  56   57   58   59   60   61   62   63   64   65   66   67 <NA>  Sum
   2    2    5    5    7    1   15    2   17   80   35   82 3963 8777
----- Q15C ----- Crop 3 ----------------------------
   1    2    3    4    5    6    7    8    9   10   11   12   13   15   17   18   19
   1   17   13    5    1   50  143    5    9   14  276  279   48    2    2    7   52
  20   21   22   23   24   25   26   27   28   30   31   32   34   36   37   38   39
 181  334   14  108    8   47    4   15    2    3    1    7    1   82    9   19   48
  40   41   42   43   44   45   46   47   48   50   51   52   53   54   55   56   57
  62    3    1    3   14  449   10    3    4    2   36   38    7    8    1    2    3
  58   59   60   62   64   65   66   67 <NA>  Sum
   6    4    9   11   15   35   37   55 6152 8777
----- Q15D ----- Crop 4 ----------------------------
   1    2    3    4    6    7    8    9   10   11   12   13   14   15   16   17   18
   1    5    5    1   23   55    1    4    9   81   62    4    1    2    1    1    2
  19   20   21   22   23   24   25   26   27   28   29   30   31   32   34   35   36
  38   73  102    8   51    4   38    2   15    3    1    4    2    3    3    2   81
  37   38   39   40   41   42   43   44   45   46   47   48   50   51   52   53   54
   9   22   47   69    1    1    2    2  278    7    4    6    2   22   33    5   10
  55   57   58   59   60   61   62   63   64   65   66   67 <NA>  Sum
   3    1    4    5    8    2    7    1    9   36   19   16 7458 8777


#### FREQUENCY OF VARIABLES IN xt037 ########################################

----- Q01 ----- 1 Sharecrop any land ----------------------------
   1    2  Sum
 858 3054 3912


#### FREQUENCY OF VARIABLES IN xt038 ########################################

----- Q03 ----- 3 Contractual arrangement ----------------------------
   1    2    3    4  Sum
 879  244  102  112 1337
----- Q05D ----- Unit: ----------------------------
   1    2  Sum
 566  771 1337
----- Q06 ----- 6 Type of land ----------------------------
```

```
   1    2  Sum
 362  975 1337


#### FREQUENCY OF VARIABLES IN xt039 ########################################

----- Q07 ----- 7 Water source -------------------------------
   1    2  Sum
 737  600 1337
----- Q08 ----- 8 Frequency ----------------------------------
   1    2 <NA>  Sum
 355  382  600 1337
----- Q09 ----- 9 Mode of irrigation -------------------------
   1    2    3    4    5 <NA>  Sum
 121  537   23   52    4  600 1337
----- Q10A ----- 10 DRY SEASON Crop 1 -----------------------------
   0    1    2    4    5    6    7    8    9   12   13   14   15   16   17   18   19
  11   40    9  474   60   17   23    6   11    2    3   12  118    1    5    9    2
  20   21   22   23   24   27   29   32   35   36   37   38   40   41   42   44   51
   1    1   61    1    2   71   30    6    1   12   10    8    4    6    4   40    1
  52   64   65   66 <NA>  Sum
   3    5    3    3  261 1337
----- Q10B ----- Crop 2 -----------------------------
   1    2    4    5    6    7    8    9   11   12   13   14   15   16   17   18   19
  12    2   38   24    2    8    8    4    1    4   10    6  120    2    8   11    4
  20   21   22   23   24   25   27   29   32   33   36   37   38   39   42   44   45
   3    3   47    1    2    1   75   22    2    1    9   18   20    7    4   27    3
  46   49   51   52   60   64   65   67 <NA>  Sum
   1    1    1    1    1    1    6    1  815 1337
----- Q10C ----- Crop 3 -----------------------------
   1    4    5    8    9   11   12   13   14   15   16   17   18   20   21   22   25
   7   11    4    2    1    3    2    6    1   26    4   12    6    3    5   22    2
  27   29   30   35   36   37   38   39   40   42   44   45   47   52   64   66   67
  32    7    1    1    9   18   19    4    3    2   19    1    1    1    1    1    1
<NA>  Sum
1099 1337
----- Q10D ----- Crop 4 -----------------------------
   2    4    5    6   12   13   14   15   16   17   18   20   21   22   27   29   33
   1    1    2    2    1    1    1    3    3    3    1    1    1    9    6    8    3
  36   37   38   39   40   42   44   46   51   67 <NA>  Sum
   3   10   10    3    1    1   14    1    1    1 1245 1337
----- Q11A ----- 11 WET SEASON Crop 1 -----------------------------
   1    2    3    4    5    6    7    9   11   12   13   15   18   21   22   23   24
   5  880   10    9    3  251   27    1    4    6    2    1    2    2    1    8    1
  27   28   30   31   32   36   39   40   41   42   45   51   52   64   65   66 <NA>
   1    1    2    2    5    4    2    1    7    1   20    1    1    4    1    2   69
 Sum
1337
----- Q11B ----- Crop 2 -----------------------------
   1    2    3    4    5    6    7    9   11   12   13   18   19   20   21   22   23
   1   29    1    1    3   59   82    4   81  114   37    2    1   11   14    1   13
  27   28   30   32   33   35   36   37   39   40   45   51   52   64   65   66   67
   1    1    5    1    2    4    5    1    3    1   27    1    1    1    4    1    1
<NA>  Sum
 823 1337
----- Q11C ----- Crop 3 -----------------------------
```

```
   2    6    7    8    9   10   11   12   13   19   20   21   22   23   24   25   31
   1    4   15    1    1    1   32   25    3    2    5   11    2    5    1    2    1
  35   36   37   38   39   40   44   45   51   64   65   67 <NA>  Sum
   1    1    2    1    4    2    1   22    1    1    3    3 1183 1337
----- Q11D ----- Crop 4 ------------------------------
   2    3    6    7    8   11   12   19   20   21   23   25   30   38   45   46   52
   3    1    3    3    2    2    1    1    3    4    4    3    1    2   15    1    1
  65 <NA>  Sum
   3 1284 1337


#### FREQUENCY OF VARIABLES IN xt040 ########################################

----- Q01 ----- 1 Sell any land ------------------------------
   1    2  Sum
 128 3784 3912
----- Q02D ----- Unit: ------------------------------
   1    2 <NA>  Sum
  45   83 3784 3912
----- Q04 ----- 4 Buy any land ------------------------------
   1    2  Sum
 126 3786 3912
----- Q05D ----- Unit: ------------------------------
   1    2 <NA>  Sum
  45   81 3786 3912


#### FREQUENCY OF VARIABLES IN xt041 ########################################

----- Q02 ----- 2 Used improved seed? ------------------------------
    1     2  <NA>   Sum
 1601 25421     1 27023
----- Q03A ----- 3A Unit used ------------------------------
    0     1     2     3     4     5     6     7     8     9    10  <NA>   Sum
    1 16440    49  1816     4  3873  3608   337     3   702   184     6 27023
----- Q04A ----- 4A Unit used ------------------------------
    1     3     4     5     6     7     9    10  <NA>   Sum
 2026   599     1   485   186     8    68    43 23607 27023


#### FREQUENCY OF VARIABLES IN xt043 ########################################

----- Q01 ----- 1 Did you purchase or receive ------------------------------
   1    2  Sum
1249 1769 3018


#### FREQUENCY OF VARIABLES IN xt044 ########################################

----- Q02 ----- 2 Crop code ------------------------------
   1    2    3    4    5    6    7    8    9   11   12   13   14   15   16   17   18
   6  148    3  248   34  108    8    2    2    7   13    3    2   34    2   17    8
  19   20   21   22   23   25   26   27   28   29   30   31   32   33   34   35   36
   3   14    7  561   35    5   11   22    2    9    1    1    9   10    2    2   44
  37   38   39   40   41   42   44   45   46   47   50   51   52   57   58   59   60
 231   63   13    2    3   20  511  229   12    1    1    3    3    1    4    1    1
```

```
  62   64   65   67   98   99  Sum
   5    2   10    2  741 1249 4491
----- Q03A ----- 3 Where did you obtain them A: ------------------------------
   1    2    3    4    5    6    7 <NA>  Sum
 215  256  489 1370  136    8   27 1990 4491
----- Q03B ----- B: -----------------------------
   1    2    3    4    7 <NA>  Sum
   3    6   17   14   14 4437 4491


#### FREQUENCY OF VARIABLES IN xt045 ########################################

----- Q01 ----- 1 Did you purchase any chemical -------------------------------
   1    2  Sum
1952 1063 3015


#### FREQUENCY OF VARIABLES IN xt046 ########################################

----- Q02 ----- 2 Type of fertilizer -------------------------------
   1    2    3    4    5    6   99  Sum
1893  150 1078  258  480 1260 1951 7070
----- Q03A ----- 3 Crops on which used A -------------------------------
   0    1    2    3    4    5    6    7    8   10   11   15   17   18   20   21   22
   1  102 2057   14  496   58  379   26    3    1    2   17    1    1    2    3  237
  23   26   27   32   33   35   36   37   38   39   40   44   45   46   50   52   60
  51    1   34   40    5    6    1   12    3    3    1  141   27    6    4   29    1
  63   67 <NA>  Sum
   4    1 3300 7070
----- Q03B ----- B -------------------------------
   1    2    3    4    5    6    7    8    9   11   15   17   20   21   22   23   25
  34  434    7 1025   50  308  119    2    4    5   20    4    7    4  175   38    1
  27   28   29   32   33   34   36   37   38   39   44   45   46   50   52   63 <NA>
  68    1    2   27    6    1   11    5    7    1  114   82    1    2    7    1 4497
 Sum
7070
----- Q03C ----- C -------------------------------
   1    2    3    4    5    6    7    8    9   12   13   15   17   18   20   21   22
  16  138    4  188   34  190   90    2    2    1    1   93    4    2    2    5  202
  23   27   29   30   32   33   36   37   38   42   43   44   45   50   52   60   65
  44   79    4    1   29    8    1   12    2    2    1   97   72    2    2    1    2
<NA>  Sum
5737 7070


#### FREQUENCY OF VARIABLES IN xt047 ########################################

----- Q05 ----- 5 Got all you needed? -------------------------------
   0    1    2 <NA>  Sum
   2 1777  174    1 1954
----- Q06 ----- 6 Why not? -------------------------------
   1    2    3 <NA>  Sum
  52  115    9 1778 1954


#### FREQUENCY OF VARIABLES IN xt048 ########################################
```

```
----- Q01 ----- 1 Hire any casual farm workers? ------------------------------
   0    1    2  Sum
   2 2366  646 3014


#### FREQUENCY OF VARIABLES IN xt049 ########################################

----- Q02 ----- 2 Labor category (S.N.) -------------------------------
   1    2    3    4    5    6    7    8    9   10   11   16  Sum
1207  723  404  220  112   56   24   11    7    1    1 1738 4504
----- Q03 ----- 3 Paid on daily basis/piece rate basis ? -----------------------------
   1    2 <NA>  Sum
2542  225 1737 4504


#### FREQUENCY OF VARIABLES IN xt050 ########################################

----- Q10 ----- 10 Hired any permanent farm worker ? -------------------------------
   1    2 <NA>  Sum
  57 2913    2 2972


#### FREQUENCY OF VARIABLES IN xt052 ########################################

----- Q01 ----- 1 Owned any livestock? ------------------------------
   1    2  Sum
2856 1056 3912


#### FREQUENCY OF VARIABLES IN xt053 ########################################

----- LVST ----- L I V E S T O C K C O D E ------------------------------
    1     2     3     4     5     6     7     8     9    10   Sum
 2856  2856  2856  2856  2856  2856  2856  2856  2856  2856 28560
----- Q02 ----- 2 Yes/No ------------------------------
    1     2   Sum
10291 18269 28560


#### FREQUENCY OF VARIABLES IN xt055 ########################################

----- Q01 ----- 1 Owned any equipment? ------------------------------
   1    2  Sum
3094  817 3911


#### FREQUENCY OF VARIABLES IN xt056 ########################################

----- EQIP ----- E Q U I P M E N T CODE ------------------------------
    1     2     3     4     5     6     7     8     9    10   Sum
 3094  3094  3094  3094  3094  3094  3094  3094  3094  3094 30940
----- Q02 ----- 2 Yes/No ------------------------------
    1     2   Sum
 8796 22144 30940
```

```
#### FREQUENCY OF VARIABLES IN xt057 ########################################

----- Q09 ----- 9 Taken advice from GOVERMNENT agri. technician? ------------------------------
   1    2  Sum
 213 3612 3825
----- Q10 ----- 10 Reason -------------------------------
   1    2    3    4 <NA>  Sum
 460  161 2807  184  213 3825
----- Q11 ----- 11 Taken advice from GOVERNMENT veterinary tech.? ------------------------------
-
   1    2  Sum
 524 3301 3825
----- Q12 ----- 12 Reason -------------------------------
   1    2    3    4 <NA>  Sum
 361  116 2713  111  524 3825


#### FREQUENCY OF VARIABLES IN xt058 ########################################

----- ASE ----- Any self-employment activity? ------------------------------
   1    2  Sum
1105 2806 3911


#### FREQUENCY OF VARIABLES IN xt059 ########################################

----- Q05 ----- 5 Place operated ------------------------------
   1    2    3  Sum
 581  478  306 1365
----- Q07 ----- 7 Owned by ------------------------------
   1    2  Sum
1310   55 1365


#### FREQUENCY OF VARIABLES IN xt060 ########################################

----- Q09A ----- 9 Customers A: First ------------------------------
   1    2    3    4    5    6    7    8    9   10  Sum
1123  103   37   10   57    2   14    8    1   10 1365
----- Q09B ----- B: Second ------------------------------
   1    2    3    4    5    6    7    8    9   10 <NA>  Sum
  92  135   14   10   79    8   40   21    1   55  910 1365
----- Q10 ----- 10 Registered ------------------------------
   1    2  Sum
 319 1046 1365
----- Q11 ----- 11 Source of capital ------------------------------
   1    2    3    4    5    6    7    8    9   10   11  Sum
 433  593  163   49   29   12   18    6    6   22   34 1365
----- Q12 ----- 12 Tried to borrow ------------------------------
   1    2    3  Sum
 229   45 1091 1365
----- Q13 ----- 13 Borrowed from ------------------------------
   1    2    3    4    5    6    7    8 <NA>  Sum
 105   36   32   22   36    7    9   27 1091 1365
----- Q14 ----- 14 Hired anyone ------------------------------
```

```
   1    2  Sum
 233 1132 1365
----- Q16 ----- 16 Any problems ------------------------------
   1    2    3    4    5    6    7    8    9   10   11  Sum
 494  186   39   15   23    4   50   54  409   37   54 1365


#### FREQUENCY OF VARIABLES IN xt062 ########################################

----- Q01 ----- 1 Loan ------------------------------
   1    2  Sum
2538 1373 3911


#### FREQUENCY OF VARIABLES IN xt063 ########################################

----- Q05 ----- 5 Place obtained ------------------------------
   1    2    3    4    5    6    7    8    9  Sum
2265  345   90   66  166   98   50  978   83 4141
----- Q06 ----- 6 Purpose ------------------------------
   1    2    3    4    5    6    7    8    9   10   11  Sum
 104   21  167  289   26  453 1881  335  336   38  491 4141


#### FREQUENCY OF VARIABLES IN xt064 ########################################

----- Q10 ----- 10 Finished repaying loan ------------------------------
   1    2    3  Sum
 199 1189 2753 4141
----- Q12 ----- 12 Collateral ------------------------------
   1    2    3    4    5    6    7    8 <NA>  Sum
 469  146   43   46  260  233  102 2841    1 4141


#### FREQUENCY OF VARIABLES IN xt065 ########################################

----- Q01 ----- 1 Lend money ------------------------------
   1    2  Sum
 621 3290 3911


#### FREQUENCY OF VARIABLES IN xt066 ########################################

----- Q05 ----- 5 Relationship to lender ------------------------------
  1   2   3   4   5   6 Sum
 36  69  16 503 227  29 880
----- Q06 ----- 6 Purpose ------------------------------
  1   2   3   4   5   6   7   8   9  10  11 Sum
  9   3  39  37   7 115 426  60  57   8 119 880


#### FREQUENCY OF VARIABLES IN xt067 ########################################

----- Q10 ----- 10 Finished repaying loan ------------------------------
   1    2    3 <NA>  Sum
  26  165  687    2  880
```

```
----- Q12 ----- 12 Collateral ------------------------------
  1   2   3   4   5   6   7   8 Sum
 41   8   2   2  54  75  46 652 880


#### FREQUENCY OF VARIABLES IN xt068 ########################################

----- Q01 ----- 1 Own other land or property? -------------------------------
   1    2  Sum
1038 2873 3911
----- Q07 ----- 7 Own other assets? -----------------------------
   1    2  Sum
  79 3832 3911


#### FREQUENCY OF VARIABLES IN xt069 ########################################

----- Q01 ----- 1 Send anything? -------------------------------
   1    2 <NA>  Sum
 460 3450    1 3911


#### FREQUENCY OF VARIABLES IN xt070 ########################################

----- Q04 ----- 4 Rel. of RECIPIENT to donor -------------------------------
  2   3   4   5   6   7   8   9  10  11  12  14 Sum
 42 306   9 110  55   9   9   8   7  12   4   4 575
----- Q05 ----- 5 Sex of RECIPIENT -----------------------------
  1   2 Sum
318 257 575
----- Q06B ----- Region -----------------------------
   1    2 <NA>  Sum
 218  287   70  575
----- Q07 ----- 7 Occupation -----------------------------
  1   2   3   4   5   6 Sum
 20  55 173  34 235  58 575


#### FREQUENCY OF VARIABLES IN xt071 ########################################

----- Q01 ----- 1 Received anything? -------------------------------
   1    2  Sum
1207 2704 3911


#### FREQUENCY OF VARIABLES IN xt072 ########################################

----- Q04 ----- 4 Rel of DONOR to recipient -------------------------------
   2    3    4    5    6    7    8    9   10   11   13   14  Sum
 336  706    3  178  142    9   26   32   14   33    1   17 1497
----- Q05 ----- 5 Sex of DONOR -----------------------------
   1    2    9  Sum
1322  168    7 1497
----- Q07B ----- Region -----------------------------
   1    2 <NA>  Sum
 366  387  744 1497
```

```
----- Q08 ----- 8 Occupation ------------------------------
   1    2    3    4    5    6 <NA>  Sum
  76 1046  147  160    6   55    7 1497
----- Q10 ----- 10 Cash sent through ----------------------------
   1    2    3    4  Sum
  96   33 1157  211 1497


#### FREQUENCY OF VARIABLES IN xt073 ########################################

----- Q01 ----- TYPE OF ASSETS ----------------------------
  101   102   103   104   105   106   107   108   Sum
 3687   867   915   999   953   962   877  1174 10434


#### FREQUENCY OF VARIABLES IN xt074 ########################################

----- Q01 ----- 01 Any child away from home? ------------------------------
   1    2  Sum
 242 3644 3886


#### FREQUENCY OF VARIABLES IN xt075 ########################################

----- Q04 ----- 4 Sex -------------------------------
  1   2 Sum
186 164 350
----- Q05 ----- 5 Relationship with head ------------------------------
  1   2   3   4   5   6 Sum
178  10 128   9  19   6 350
----- Q07A ----- 7A Level completed - Then -------------------------------
   0    1    2    3    4    5    6    7    8   16   17   99 <NA>  Sum
  58   31   30   31   19   19    8    7    1    2  142    1    1  350
----- Q07B ----- 7B - Now -------------------------------
   0    1    2    3    4    5    6    7    8    9   16   17   99 <NA>  Sum
  39   42   45   29   31   25   36   11    9    6    4   71    1    1  350
----- Q08B ----- 8B Urban/Rural -------------------------------
   1    2 <NA>  Sum
 141  166   43  350
----- Q09 ----- 9 What does primarily do? -------------------------------
  1   2   3   4   5 Sum
 60 125  44 120   1 350
----- Q11 ----- 11 Receive money/goods? -------------------------------
   1    2 <NA>  Sum
  28   32  290  350


#### FREQUENCY OF VARIABLES IN xt076 ########################################

----- Q01 ----- 1 Food consumption -------------------------------
   1    2    3  Sum
1120 2713   78 3911
----- Q02 ----- 2 Facility consumed -------------------------------
   1    2    3    4  Sum
1477 2405   28    1 3911
----- Q03 ----- 3 Clothing -------------------------------
```

```
   1    2    3  Sum
1256 2625   30 3911
----- Q04 ----- 4 Health care ------------------------------
   1    2    3    4  Sum
1030 2846   33    2 3911
----- Q05 ----- 5 Schooling -------------------------------
   1    2    3    4  Sum
 803 2269   34  805 3911
----- Q06 ----- 6 Total income ------------------------------
   1    2    3    4  Sum
2523 1345   41    2 3911
----- Q07 ----- 7 Anyone eat too little? -----------------------------
   1    2 <NA>  Sum
 970  150 2791 3911
----- Q08 ----- 8 Health -------------------------------
   1    2    3    4  Sum
 570 2435  817   89 3911
----- Q09 ----- 9 Education -------------------------------
   1    2    3    4  Sum
 422 1981  419 1089 3911
----- Q10 ----- 10 Drinking water ------------------------------
   1    2    3    4  Sum
 747 1546  715  903 3911
----- Q11 ----- 11 Electricity -------------------------------
   1    2    3    4  Sum
 537 1105  285 1984 3911
----- Q12 ----- 12 Road -------------------------------
   1    2    3    4  Sum
 567 1638 1520  186 3911
----- Q13 ----- 13 Post office ------------------------------
   1    2    3    4  Sum
 490 2239  463  719 3911
----- Q14 ----- 14 Telephone -------------------------------
   1    2    3    4  Sum
 538 1740  760  873 3911
```

5.4 Integrity check of household identifier

- Problems found

  The survey report describes that the number of sample households is 3,912. The number of records in some household files is 3,912, while that in the other household files is 3,911.

Number of records	Files	Missing WWWHH
3,912	xt001, xt006, xt007, xt008, xt009, xt010, xt037, xt040, xt052	none
3,911	xt055, xt058, xt062, xt065, xt068, xt069, xt071, xt076	62717
3,911	xt034	56114

```
> xt001<-outfiles[[1]]
> dim(xt001)
[1] 3912   28
> fileno1<-c(6:10,37,40,52)

> for(j in fileno1){
+ d<-outfiles[[j]]
+ cat(Rnames[j],":",sum(d$WWWHH==xt001$WWWHH),"¥n")
+ }
xt006 : 3912
xt007 : 3912 R0
xt008 : 3912
xt009 : 3912
xt010 : 3912
xt037 : 3912
xt040 : 3912
xt052 : 3912
```

- Regarding household files with 3,912 records, the household identifiers are consistent.

```
> xt076<-outfiles[[76]]
> dim(xt076)
[1] 3911   18
```

```
> fileno2<-c(34,55,58,62,65,68,69,71,76)
> for(j in fileno2){
+ d<-outfiles[[j]]
+ cat(Rnames[j],":",sum(d$WWWHH==xt076$WWWHH),"¥n")
+ }
xt034 : 3118
xt055 : 3911
xt058 : 3911
xt062 : 3911
xt065 : 3911
xt068 : 3911
xt069 : 3911
xt071 : 3911
xt076 : 3911

> setdiff(xt001$WWWHH,xt076$WWWHH)
[1] 62717
> setdiff(xt001$WWWHH,xt034$WWWHH)
[1] 56114
```

- Regarding household files with 3,911 records, the household with WWWHH=56114 is missing for xt034, and the household with WWWHH=62717 is missing for the other files.

```
# Outline of the households with WWWHH=56114 and WWWHH=62717
> R02<-outfiles[[2]]
> dim(R02)
[1] 21531    16

> R02[R02$WWWHH=="56114",]
     WWWHH WWW HH IDC                      Q01 Q01A Q02 Q03 Q04A Q04B Q05 Q06 Q07 Q08 Q09 Q10
3927 56114 561 14   1 Names of the respondents   NA    1   1    64    2  38    1   1   2  12    1
3928 56114 561 14   2 have been ommited from      8    2   2    64    2  34    1   1   1  12    1
3929 56114 561 14   3 public databases, to        8    1   3    64    2  16    1   1  NA  12    1
3930 56114 561 14   4 keep confidentiality        8    2   3    64    2  06    1   1  NA  12    1
```

```
> R02[R02$WWWHH=="62717",]
     WWWHH WWW HH IDC                        Q01 Q01A Q02 Q03 Q04A Q04B Q05 Q06 Q07 Q08 Q09 Q10
8272 62717 627 17   1 have been ommited from    8    2   1   40    2  27   1   1   4  12   1
8273 62717 627 17   2 public databases, to      8    1   3   48    2  06  NA  NA  NA  12   1
8274 62717 627 17   3 keep confidentiality      8    2   3   48    2  02  NA  NA  NA  12   1
8275 62717 627 17   4 according to Statistical  8    1   2   37    2  27   1   1   1   0   2
```

Chapter 6. Data of district and urban/rural

- Challenges faced

The data of area information, such as district, village/municipality, urban/rural are not included in the micro data set provided to Sinfonica at first.

- Measures taken

One is to use the information of field team.
Another way is to make use of the information of migration to this place.

Assumption: The birth place (district) of a child is the same as the current place (district) of the household, if his/her father and/or mother in the household did not migrated after his/her birth.

However, for urban/rural, this method have some problem because the demarcation of urban/rural is changeable and based on the situation at the time of birth.

This trial is described in the Supplement.

- Sample data file provided

Finally, a sample data file “sample04.dta” was provided by CBS upon request.
It includes 434 records of WWW, of which 334 WWW are for cross-section data.
The variables included are WWW, district, urbrural, belt, region, stratum, weight, and so on.

```
> library(foreign)
> df1<-read.dta( "sample04.dta")
> head(df1)
  WWW  district vdc            vdcname ward wardmerg subward urbrural
1   2   Bajhang  42         Sainpasela    2        2      NA    Rural
2   3  Lalitpur  26        Lalitpur NP   12       12       1    Urban
3   4    Siraha  99 Silorba Pachhawari    2        2      NA    Rural
4   9 Kathmandu  34       Kathmandu NP    3        3       6    Urban
5  11 Ramechhap  23           Himganga    3        3      NA    Rural
6  14   Dhading  46            Sirtung    4        4      NA    Rural
       belt      region           stratum hhframe hhlist panel phase team
1 Mountains Far Western   Mountains Panel      73     89 Panel     2   15
```

```
2     Hills     Central Urban Hills Panel     639    192 Panel     2    8
3     Tarai     Eastern       Tarai Panel      81     60 Panel     2    4
4     Hills     Central Urban Hills Panel    2837    217 Panel     3    9
5     Hills     Central Rural Hills Panel      92    100 Panel     1    7
6     Hills     Central Rural Hills Panel      58     60 Panel     3    8
   weight       group   misngpsu
1 1752.97 RW Mt/Hills   Affected
2  682.78 Urban Kath.  Enumerated
3 2505.62    RE Tarai Enumerated
4 1374.33 Urban Kath.  Enumerated
5 3849.18 RE Mt/Hills Enumerated
6 3663.36 RE Mt/Hills Enumerated


> df2<-read.dta( "sample04.dta", convert.factors=F)
> dim(df2)
[1] 434  19

> head(df2)
  WWW district vdc            vdcname ward wardmerg subward urbrural belt region
1   2       68  42         Sainpasela    2        2      NA        2    1      5
2   3       25  26        Lalitpur NP   12       12       1        1    2      2
3   4       16  99 Silorba Pachhawari    2        2      NA        2    3      1
4   9       27  34       Kathmandu NP    3        3       6        1    2      2
5  11       21  23           Himganga    3        3      NA        2    2      2
6  14       30  46            Sirtung    4        4      NA        2    2      2
  stratum hhframe hhlist panel phase team  weight group misngpsu
1       7      73     89     1     2   15 1752.97     3        2
2       8     639    192     1     2    8  682.78     1        3
3      10      81     60     1     2    4 2505.62     6        3
4       8    2837    217     1     3    9 1374.33     1        3
5       9      92    100     1     1    7 3849.18     4        3
6       9      58     60     1     3    8 3663.36     4        3
> str(df2)
'data.frame':   434 obs. of  19 variables:
 $ WWW     : int  2 3 4 9 11 14 17 18 21 31 ...
```

```
 $ district: int  68 25 16 27 21 30 13 23 40 16 ...
 $ vdc     : int  42 26 99 34 23 46 21 39 34 58 ...
 $ vdcname : chr  "Sainpasela" "Lalitpur NP" "Silorba Pachhawari" "Kathmandu NP" ...
 $ ward    : int  2 12 2 3 3 4 6 4 6 4 ...
 $ wardmerg: int  2 12 2 3 3 4 6 4 6 4 ...
 $ subward : int  NA 1 NA 6 NA NA NA NA 5 NA ...
 $ urbrural: int  2 1 2 1 2 2 2 2 1 2 ...
 $ belt    : int  1 2 3 2 2 2 2 1 2 3 ...
 $ region  : int  5 2 1 2 2 2 1 2 3 1 ...
 $ stratum : int  7 8 10 8 9 9 9 7 8 10 ...
 $ hhframe : int  73 639 81 2837 92 58 62 71 1187 103 ...
 $ hhlist  : int  89 192 60 217 100 60 62 84 231 95 ...
 $ panel   : int  1 1 1 1 1 1 1 1 1 1 ...
 $ phase   : int  2 2 2 3 1 3 3 3 2 2 ...
 $ team    : int  15 8 4 9 7 8 3 7 11 4 ...
 $ weight  : num  1753 683 2506 1374 3849 ...
 $ group   : int  3 1 6 1 4 4 4 4 2 6 ...
 $ misngpsu: int  2 3 3 3 3 3 3 3 3 3 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "12 Aug 2004 13:09"
 - attr(*, "formats")= chr  "%8.0g" "%14.0g" "%8.0g" "%21s" ...
 - attr(*, "types")= int  252 251 252 21 251 251 251 251 251 251 ...
 - attr(*, "val.labels")= chr  "PSU" "district" "VDC_Mun" "" ...
 - attr(*, "var.labels")= chr  "PSU" "District" "VDC/Mun Code" "VDC/Mun Name" ...
 - attr(*, "version")= int 8
 - attr(*, "label.table")=List of 8
  ..$ misngpsu: Named int  1 2 3
  .. ..- attr(*, "names")= chr  "Missing" "Affected" "Enumerated"
  ..$ group   : Named int  1 2 3 4 5 6
  .. ..- attr(*, "names")= chr  "Urban Kath." "Urban Other" "RW Mt/Hills" "RE
Mt/Hills" ...
  ..$ panel   : Named int  0 1
  .. ..- attr(*, "names")= chr  "Cross-section" "Panel"
  ..$ stratum : Named int  1 2 3 4 5 6 7 8 9 10
  .. ..- attr(*, "names")= chr  "Mountains" "Urban Kath." "Urban Hills" "Rural
Hills" ...
```

```
  ..$ region  : Named int  1 2 3 4 5
  .. ..- attr(*, "names")= chr  "Eastern" "Central" "Western" "Mid Western" ...
  ..$ belt    : Named int  1 2 3
  .. ..- attr(*, "names")= chr  "Mountains" "Hills" "Tarai"
  ..$ urbrural: Named int  1 2
  .. ..- attr(*, "names")= chr  "Urban" "Rural"
  ..$ district: Named int  1 2 3 4 5 6 7 8 9 10 ...
  .. ..- attr(*, "names")= chr  "Taplejung" "Panchthar" "Ilam" "Jhapa" ...


# Number of PSU enumerated for cross-section
> table(df1$panel,df1$misngpsu,useNA="always")
               Missing Affected Enumerated <NA>
  Cross-section       0        8        326    0
  Panel               1        4         95    0
  <NA>                0        0          0    0


# Select enumerated PSU for cross-section
> df3<-subset(df1,panel=="Cross-section" & misngpsu=="Enumerated")
> dim(df3)
[1] 326  19

> df4<-subset(df2,panel==0 & misngpsu==3)
> dim(df4)
[1] 326  19

> summary(df4)
      WWW           district          vdc            vdcname
 Min.   :501.0   Min.   : 1.00   Min.   :  1.00   Length:326
 1st Qu.:585.2   1st Qu.:17.00   1st Qu.: 14.00   Class :character
 Median :668.5   Median :28.00   Median : 28.00   Mode  :character
 Mean   :668.4   Mean   :32.32   Mean   : 29.75
 3rd Qu.:752.8   3rd Qu.:48.00   3rd Qu.: 39.00
 Max.   :834.0   Max.   :75.00   Max.   :105.00
      ward          wardmerg         subward           urbrural
```

```
 Min.    : 1.00   Min.    : 1.000   Min.    : 0.0000   Min.    :1.000
 1st Qu.: 3.00   1st Qu.: 3.000   1st Qu.: 0.0000   1st Qu.:1.000
 Median : 6.00   Median : 6.000   Median : 0.0000   Median :2.000
 Mean   : 6.54   Mean   : 6.555   Mean   : 0.7699   Mean   :1.702
 3rd Qu.: 8.00   3rd Qu.: 8.000   3rd Qu.: 0.0000   3rd Qu.:2.000
 Max.   :35.00   Max.   :35.000   Max.   :26.0000   Max.   :2.000
      belt            region          stratum          hhframe
 Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :  28.0
 1st Qu.:2.000   1st Qu.:2.000   1st Qu.:3.000   1st Qu.: 100.2
 Median :2.000   Median :2.000   Median :4.000   Median : 175.0
 Mean   :2.319   Mean   :2.414   Mean   :4.141   Mean   : 384.4
 3rd Qu.:3.000   3rd Qu.:3.000   3rd Qu.:6.000   3rd Qu.: 395.0
 Max.   :3.000   Max.   :5.000   Max.   :6.000   Max.   :6758.0
     hhlist          panel       phase            team
 Min.   : 28.0   Min.   :0   Min.   :1.000   Min.   : 1.000
 1st Qu.: 97.5   1st Qu.:0   1st Qu.:1.000   1st Qu.: 5.000
 Median :165.0   Median :0   Median :2.000   Median : 8.000
 Mean   :184.7   Mean   :0   Mean   :2.037   Mean   : 8.285
 3rd Qu.:256.8   3rd Qu.:0   3rd Qu.:3.000   3rd Qu.:12.000
 Max.   :687.0   Max.   :0   Max.   :3.000   Max.   :16.000
     weight           group          misngpsu
 Min.   : 192.9   Min.   :1.000   Min.   :3
 1st Qu.: 743.7   1st Qu.:2.000   1st Qu.:3
 Median :1278.1   Median :4.000   Median :3
 Mean   :1070.2   Mean   :3.629   Mean   :3
 3rd Qu.:1374.9   3rd Qu.:5.000   3rd Qu.:3
 Max.   :2379.0   Max.   :6.000   Max.   :3
```

◆ Distribution of categorical variables

 # Urban/rural

```
> table(df3$urbrural,useNA="always")
Urban Rural  <NA>
   97   229     0
```

```
> table(df4$urbrural,useNA="always")
   1    2 <NA>
  97  229    0
```

- Definition of urban/rural

According to the delegates from Nepal to the seventh workshop, the definitions are as follows;

"***Definition of urban****: The Government of Nepal has declared municipality area with local self-governance act 1997 A.D., having some criteria like infrastructural development, presence of population on that area, local revenue income, etc. The municipality area is comparatively educated, healthy and developed in terms of infrastructure than other areas (or VDC). These municipality are known as urban in context of Nepal. There were 58 urban areas in Nepal at the time of survey "NLSS 2003.*

Definition of rural*: Those areas which are backward in infrastructural development (education, health, etc.) is known as rural areas i.e. besides of municipalities, other area are known as rural area also known as VDC (Village Development Committee). There were 3,915 VDC's in Nepal at the time of survey "NLSS 2003."*

 # Region

```
> table(df3$region,useNA="always")
    Eastern     Central     Western Mid Western Far Western        <NA>
         75         125          65          38          23           0
> table(df4$region,useNA="always")
   1    2    3    4    5 <NA>
  75  125   65   38   23    0
```

 # Stratum

```
> table(df3$stratum,useNA="always")
        Mountains       Urban Kath.       Urban Hills       Rural Hills
               32                34                28                96
      Urban Tarai       Rural Tarai   Mountains Panel Urban Hills Panel
               34               102                 0                 0
Rural Hills Panel       Tarai Panel              <NA>
```

```
                0                   0                   0
> table(df4$stratum,useNA="always")
   1    2    3    4    5    6 <NA>
  32   34   28   96   34  102    0
```

- Kathmandu Valley urban area

According to the delegates from Nepal to the seventh workshop, the definitions are as follows;

"*Definition of **Kathmandu Valley urban area**: Kathmandu and its neighborhood area i.e. Kathmandu Valley is highly developed than other urban areas. It highly differs in infrastructural development and population density with other urban area of Nepal so that to treat differently, NLSS 2003/04 and other surveys make different strata of Kathmandu Valley urban area.*"

 # Belt (Zone)

```
> table(df3$belt,useNA="always")
Mountains     Hills     Tarai      <NA>
       32       158       136          0
> table(df4$belt,useNA="always")
   1    2    3 <NA>
  32  158  136    0
```

```
# Range of WWW
> range(df4$WWW)
[1] 501 834
```

```
# Confirmed that WWW is consistent with household data file
> hh<-outfiles[[1]]
> hhw<-merge(hh,df4,by="WWW",all.x=T)
> dim(hhw)
[1] 3912   46
> table(is.na(hhw$WWW))
FALSE
```

3912

Confirmed that the variable of weight in “sample04” file is equal to the variable of hhwt in “weight” file.

```
> dim(weight)
[1] 3912    3
> head(weight)
  WWWHH    hhwt   indwt
1 50101 1323.07 7938.42
2 50102 1323.07 6615.35
3 50104 1323.07 3969.21
4 50105 1323.07 5292.28
5 50107 1323.07 6615.35
6 50108 1323.07 3969.21
> d<-weight
> str(d)
'data.frame':   3912 obs. of  3 variables:
 $ WWWHH: num  50101 50102 50104 50105 50107 ...
 $ hhwt : num  1323 1323 1323 1323 1323 ...
 $ indwt: num  7938 6615 3969 5292 6615 ...
> d$WWW<-floor(d$WWWHH/100)
> head(d)
  WWWHH    hhwt   indwt WWW
1 50101 1323.07 7938.42 501
2 50102 1323.07 6615.35 501
3 50104 1323.07 3969.21 501
4 50105 1323.07 5292.28 501
5 50107 1323.07 6615.35 501
6 50108 1323.07 3969.21 501
> d2<-merge(d,df4,by="WWW",all.x=T)
> dim(d2)
[1] 3912   22
> head(d2)
  WWW WWWHH    hhwt   indwt district vdc vdcname ward wardmerg subward
```

```
1 501 50101 1323.07 7938.42       46  37   Gwadi    7        7       0
2 501 50102 1323.07 6615.35       46  37   Gwadi    7        7       0
3 501 50104 1323.07 3969.21       46  37   Gwadi    7        7       0
4 501 50105 1323.07 5292.28       46  37   Gwadi    7        7       0
5 501 50107 1323.07 6615.35       46  37   Gwadi    7        7       0
6 501 50108 1323.07 3969.21       46  37   Gwadi    7        7       0
  urbrural belt region stratum hhframe hhlist panel phase team  weight group
1        2    2      3       4      55     55     0     1   12 1323.07     3
2        2    2      3       4      55     55     0     1   12 1323.07     3
3        2    2      3       4      55     55     0     1   12 1323.07     3
4        2    2      3       4      55     55     0     1   12 1323.07     3
5        2    2      3       4      55     55     0     1   12 1323.07     3
6        2    2      3       4      55     55     0     1   12 1323.07     3
  misngpsu
1        3
2        3
3        3
4        3
5        3
6        3

> table(abs(d2$hhwt-d2$weight)<1)
TRUE
3912
```

Summary:

The data frame of weight derived from "weight.sas7bdat" should be replaced by this data frame, because weight data is included in the latter.

```
> areainfo<-df4
> dim(areainfo)
[1] 326  19
```

Table Codebook of areainfo (“sample04.dta”)

Number of records: 326

Variable	Description	Remarks
WWW	PSU code	501 to 804
district	District code	1 to 75
vdc	VDC (Village Development Comittee) code	
vdcname	Name of VDC	
ward		
wardmerg		
subward		
urbrural	Urban/rural	1=Urban 2=Rural
belt	Three Ecological Zones	1=Mountains 2=Hills 3=Tarai
region	Five Development Regions	1=Eastern 2=Central 3=Western 4=Mid Western 5=Far Western
stratum	Strata	1=Mountains 2=Kathmandu valley urban area 3=Other Urban Hills 4=Rural Hills 5=Urban Tarai 6=Rural Tarai
hhframe		
hhlist		
panel	Cross-section/Panel	0=Cross-section
phase		
team		
weight	Household weight	
group		
misngpsu		3=Enumerated

Chapter 7. Demography

7.1 Household members

According to the interviewer's manual of NLSS I, the definition of household is described as the next;

"**Definition of Household:** A group of people who normally live and eat their meals together is defined as household. For the purposes of this survey, "normally" is taken to mean that the person concerned has lived in the household for at least 6 of the past 12 months. Thus the number of the household should be identified on the basis of the "usual place of residence" (for 6 months or over).
There are some exceptions to this rule which are described below:
1. The following categiries of persons are treated as household member eventhouh they have lived less than six months in the household during past 12 months:
(i) infants who are less than 6 months old,
(ii) newly married who have been living together for less than 6 months, and
(iii) persons living together for less than 6 months but who are expected to live in the household permanently (or for long duration).
2. Servants, lodgers, farm-workers, and other such individuals who live and take meals with the household are to be counted as household members, even though they may have no blood relation to the household head.
3. People who have lived in the household for more than six months of the past twelve months but have permanently left the household (e.g. separated or dead) are not considered members of the household for our purposes. However, they should be listed in the Household Roster.
People who live in the same dwelling, but do not share food expenses or eat meals together, are not members of the same household. For example, if two brothers, each having his own family, live in the same house but maintain separate food budgets and cooking facilities, they would constitute two separate households. Likewise, people who eat together but do not live in the same dwelling are not members of the same household.
It is very important that you define the household membership strictly according to the criteria outlined above. These guidelines may not be the same as others you may be familiar with, and at times they may not conform with the household's own notion of who should be considered as a household member. Any questions or doubts that arise in the field should be discussed with the supervisor."

The household roster of data frame XT002 includes all persons present in the household. Question 10

of the household roster classifies each person listed in the roster according to the criteria specified for the household member.

```
> xt002<-outfiles[[2]]
> dim(xt002)
[1] 21531    16

# Q09: Months at home
# Q10: Member or not
> addmargins(table(xt002$Q10,xt002$Q09))
          0     1     2     3     4     5     6     7     8     9    10    11    12   Sum
  1      23    68    65    68    55    43   164   132   179   151   290   299 18727 20264
  2     195   330   298   150   100    89    31    19    18    13    15     3     5  1266
  Sum   218   398   363   218   155   132   195   151   197   164   305   302 18732 21530
```

✓ **The number of records of household members is 20,264.**

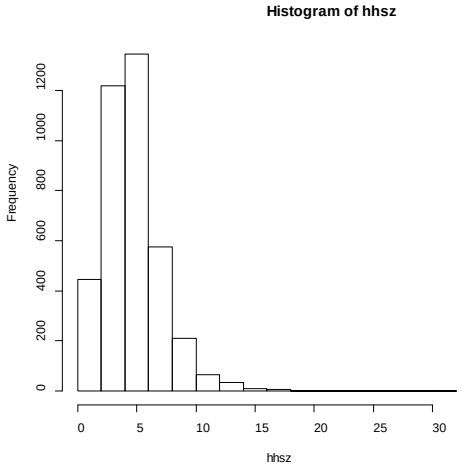
```
# Generated data frame of household members
> d<-subset(xt002,Q10==1)
> dim(d)
[1] 20264    16
```

7.2 Household size

Household size of sample household

```
> hhsz<-tapply(d$IDC,d$WWWHH,length)
> length(hhsz)
[1] 3912
> mean(hhsz)
[1] 5.179959
> table(hhsz)
hhsz
  1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16  17  18  19  26  28  32
127 317 495 723 736 610 355 221 127  83  32  32  18  15   6   5   3   3   1   1   1   1
```

```
> hist(hhsz)
```



✓ **The average household size of sample households is 5.18 persons. It is relatively large.**

Estimated household size

The estimated household size in Nepal is 5.27 persons. The household size by strata is as the next table. Rural Tarai shows the largest of 5.73 persons, and Other Urban area in the Hills shows the smallest of 4.39 persons.

Strata	Estimated household size
Nepal	5.27
Mountains	5.06
Kathmandu valley urban area	4.84
Other Urban area in the Hills	4.39
Rural Hills	4.97
Urban Tarai	5.16
Rural Tarai	5.73

```
# The household-level data frame nep includes variables in psu, and the variable of hhsz is appended.
```

```
> d<-subset(outfiles[[14]],ITM==140)
> dim(d)
[1] 3912    7
> d$food<-(d$Q04+d$Q07)*12+d$Q08
> d<-merge(d[,c("WWW","food")],psu,by="WWW",all.x=T)
> nep<-d
> nep<-data.frame(nep,hhsz)
> head(nep)
      WWW WWWHH   food Team dist ur reg zone strata    hhwt hhsz
50101 501 50101 104106   12   46  2   3    2      4 1323.07    6
50102 501 50102  52871   12   46  2   3    2      4 1323.07    5
50104 501 50104  81156   12   46  2   3    2      4 1323.07    3
50105 501 50105  96939   12   46  2   3    2      4 1323.07    4
50107 501 50107  89004   12   46  2   3    2      4 1323.07    5
50108 501 50108  68616   12   46  2   3    2      4 1323.07    3
> weighted.mean(nep$hhsz,nep$hhwt)
[1] 5.274804
> by(nep,nep$strata,function(x) weighted.mean(x$hhsz,x$hhwt))
nep$strata: 1
[1] 5.064048
------------------------------------------------------------
nep$strata: 2
[1] 4.836298
------------------------------------------------------------
nep$strata: 3
[1] 4.39026
------------------------------------------------------------
nep$strata: 4
[1] 4.971703
------------------------------------------------------------
nep$strata: 5
[1] 5.164814
------------------------------------------------------------
nep$strata: 6
[1] 5.727434
```

- Remarks: Background for the large household size

Regarding the background for the large household size and the larger household size in Tarai, the delegates from Napal to the seventh workshop explained as follows;

"*In many societies of Nepal, there is* ***practice of Joint Family System****.* ***In Rural Terai****, there is practice of joint family system. Beside of this, there are so many rural area which are still under national literacy rate. Due to low literacy , they give birth to many more children, early marriage and polygamy and give priority to preference of son, etc. so there is the large household size in Rural Terai.*

In Urban Area*, there is practice of nuclear family system as well as they are literate, late marriage, restrict polygamy.*

Migration for employment, education , business etc are the causes of ***smaller hh size in hill.*** *In hill region, most of the households are under poverty line. so, number of youths from those households go outside the district or country to earn money and send money to care of their family members. In the same household, old aged member and children only live there although there is practice of joint family system. So, the household size* ***in Terai*** *is larger than in Hills*."

According to Wikipedia,

"A joint family or undivided family is an extended family arrangement prevalent throughout the Indian subcontinent, particularly in India, consisting of many generations living in the same home. All the daughters, or widowed relatives, all bound by the common relationship. The joint family status being the result of birth, possession of joint cord that knits the members of the family together is not property but the relationship. The family is headed by a patriarch, usually the oldest male called, who makes decisions on economic and social matters on behalf of the entire family. The patriarch's wife generally exerts control over the kitchen, child rearing and minor religious practices. All money goes to the common pool and all property is held jointly.

There are several schools of laws. Broadly, systems of laws are very common. Family ties are given more importance than marital ties. The arrangement provides a kind of social security in a familial atmosphere."

7.3 Relationship to household head

```
# d: data frame of household members
> d<-subset(xt002,Q10==1)
# Q03: Relation
```

```
> table(d$Q03)
   1    2    3    4    5    6    7    8    9   10   11   12   13   14
3911 2967 8652 1913  559  372  235 1166  112   77  173   94    2   31
```

HEAD

The number of household head is 3,911. Head is missing in one household.

```
# Number of household head within the household
> t<-tapply(d$Q03==1,d$WWWHH,sum,na.rm=T)
> table(t)
t
   0    1
   1 3911
> t[t==0]
60209
    0
> xt002[xt002$WWWHH==60209,]
     WWWHH WWW HH IDC                      Q01 Q01A Q02 Q03 Q04A Q04B Q05 Q06 Q07 Q08 Q09 Q10
6653 60209 602  9   1 public databases, to    2    1   1   27    2  42   1   1   2   5   2
6654 60209 602  9   2 keep confidentiality    2    2   2   25    2  40   1   1   1  12   1
6655 60209 602  9   3 according to Statistical 2    1   3   27    1  20   5  NA  NA  12   1
6656 60209 602  9   4 Act of Nepal - 2015.    2    2   3   27    1  16   5  NA  NA  12   1
```

Remarks:

The husband of the household with WWWHH=60209 and IDC=1 is not regarded as a household member and cannot be a household head. The wife with IDC=2 should be the household head.

According to the delegates from Napal to the seventh workshop;

"The number of household head is 3,911. Head is missing in one household.

The husband of the household with WWWHH=60209 and IDC=1 is not regarded as a household member and cannot be a household head. The wife with IDC=2 should be the household head. This was error in both data collection and data entry. IDC=2 must be household head so variables of IDC 1and 2 should be interchanged."

Spouse

Multiple spouses are allowed in the sureve.

```
# Number of spouses within the household
> t<-tapply(d$Q03==2,d$WWWHH,sum,na.rm=T)
> addmargins(table(t))
t
   0    1    2  Sum
 988 2881   43 3912
```

✓ There are two persons with spouse status in 43 households.

```
# Set of WWWHH with two spouses
> WWWHH.ds<-names(t[t==2])
> length(WWWHH.ds)
[1] 43
> head(WWWHH.ds)
[1] "50507" "52116" "52407" "52611" "55207" "55612"

# Examples
> xt002[xt002$WWWHH==50507,]
    WWWHH WWW HH IDC                      Q01 Q01A Q02 Q03 Q04A Q04B Q05 Q06 Q07 Q08 Q09 Q10
299 50507 505  7   1 public databases, to    52    1   1    4    2  46   1   1   2  12   1
300 50507 505  7   2 keep confidentiality    52    2   2    4    2  38   1   1   1  12   1
301 50507 505  7   3 according to Statistical 52   2   2    4    2  35   1   1   1  12   1
302 50507 505  7   4 Act of Nepal - 2015.    52    2   3    4    2  15   5  NA  NA  12   1

> xt001[xt001$WWWHH==50507,"RELI"]
[1] 1    :Hindu


> xt002[xt002$WWWHH==52116,]
     WWWHH WWW HH IDC                      Q01 Q01A Q02 Q03 Q04A Q04B Q05 Q06 Q07 Q08 Q09 Q10
1257 52116 521 16   1 Names of the respondents   1    1   1   30    2  68   1   1   2  12   1
1258 52116 521 16   2 have been ommited from     1    2   2   30    2  68   1   1   1  12   1
```

1259	52116	521	16	3	public databases, to	1	2	**2**	30	2	46	1	1	1	12	1
1260	52116	521	16	4	keep confidentiality	1	1	3	30	2	25	1	1	5	8	**2**
1261	52116	521	16	5	according to Statistical	1	2	8	30	2	22	1	1	4	12	1
1262	52116	521	16	6	Act of Nepal - 2015.	1	1	4	30	2	01	NA	NA	NA	12	1
1263	52116	521	16	7	Names of the respondents	1	1	3	30	2	23	1	1	8	12	1
1264	52116	521	16	8	have been ommited from	1	2	8	30	2	18	1	1	7	12	1
1265	52116	521	16	9	public databases, to	1	2	4	30	2	00	NA	NA	NA	12	1
1266	52116	521	16	10	keep confidentiality	1	1	3	30	2	16	5	NA	NA	12	1
1267	52116	521	16	11	according to Statistical	1	2	3	30	2	14	5	NA	NA	12	1

```
> xt003[xt003$WWWHH==52116,]
```

	WWWHH	WWW	HH	IDC	Q01	Q02	Q03	Q04A	Q04B	Q05	Q06	Q07	Q08A	Q08B
1171	52116	521	16	1	3	NA	16	30	2	3	NA	17	30	2
1172	52116	521	16	2	3	NA	17	30	2	3	NA	17	30	2
1173	52116	521	16	3	2	NA	17	30	2	3	NA	17	30	2
1174	52116	521	16	5	2	NA	17	30	2	2	NA	17	30	2
1175	52116	521	16	6	2	NA	8	30	2	1	5	NA	NA	NA
1176	52116	521	16	7	1	**1**	NA	NA	NA	1	**3**	NA	NA	NA
1177	52116	521	16	8	2	NA	16	33	2	2	NA	17	30	2
1178	52116	521	16	9	1	7	NA	NA	NA	1	8	NA	NA	NA
1179	52116	521	16	10	1	**1**	NA	NA	NA	1	**3**	NA	NA	NA
1180	52116	521	16	11	1	**1**	NA	NA	NA	1	**3**	NA	NA	NA

```
> xt001[xt001$WWWHH==52116,"RELI"]
[1] 1     :Hindu
```

✓ Persons with IDC=7, 10 and 11 are children of parents with IDC=1 and 3.

```
> xt002[xt002$WWWHH==52407,]
```

	WWWHH	WWW	HH	IDC		Q01	Q01A	Q02	Q03	Q04A	Q04B	Q05	Q06	Q07	Q08	Q09	Q10
1433	52407	524	7	1	public databases, to	28	1	1	81	NA	26	1	1	2	10	1
1434	52407	524	7	2	keep confidentiality	28	2	**2**	81	NA	22	1	1	1	12	1
1435	52407	524	7	3	according to Statistical	28	2	**2**	15	2	20	1	1	1	12	1
1436	52407	524	7	4	Act of Nepal - 2015.	28	1	3	15	2	08	NA	NA	NA	12	1
1437	52407	524	7	5	Names of the respondents	28	1	3	15	2	04	NA	NA	NA	12	1

```
1438 52407 524  7   6 have been ommited from     28   2   3   15    2  01  NA  NA  NA  12   1
1439 52407 524  7   7 public databases, to       28   2   5   15    2  65   4  NA  NA  12   1
```

```
> xt003[xt003$WWWHH==52407,]
     WWWHH WWW HH IDC Q01 Q02 Q03 Q04A Q04B Q05 Q06 Q07 Q08A Q08B
1333 52407 524  7   1   3  NA  11   81   NA   1   7  NA   NA   NA
1334 52407 524  7   2   2  NA  17   81   NA   2  NA  17   81   NA
1335 52407 524  7   3   2  NA   4   15    2   2  NA  17   15    2
1336 52407 524  7   4   1   1  NA   NA   NA   1   2  NA   NA   NA
1337 52407 524  7   5   1   1  NA   NA   NA   1   3  NA   NA   NA
1338 52407 524  7   6   1   1  NA   NA   NA   1   3  NA   NA   NA
1339 52407 524  7   7   3  NA  17   15    2   3  NA  17   81   NA
```

```
> xt001[xt001$WWWHH==52407,"RELI"]
[1] 1     :Hindu
```

✓ **Person with IDC=4 is a child of IDC=1 and IDC=2, and persons with IDC=5 and 6 are children of IDC=1 and IDC=3.**

```
# Religion of Households with two spouses
# RELI: 1=Hindu, 2=Buddhist, 3=Muslim, 6=Christian
> table(subset(xt001,is.element(xt001$WWWHH,WWWHH.ds))$RELI)
 1  2  3  6
35  4  3  1
```

Note: Practice of bigamy among Hindu

1. In India, Hindu Marriage Act neither allows second marriage (or wife) nor has it got any legal status.

2. According to “Interviewer Manual of NLSS I”, multiple wives are allowed in the survey.

“Questions 8: If the name of the spouse is listed in Q.1, enter his or her ID code. These codes are recorded in the column next to Q.1. If a man has several wives, record the ID code of the first wife.”(at page 60)

Regarding regulations related to marriage and custom of marriage, the delegates from Nepal to the workshop explained as follows;

"According to the laws, acts, rules and regulations related to marriage of Nepal, multiple spouses are illegalized. In Nepal most of the societies accept multiple spouses in practical life however it is illegal.

Custom of marriage: In Nepal, mainly three types of marriage are performed.

1. *Arrange marriage.*
2. *Love marriage,*
3. *Court marriage.*

In Nepal, custom of marriage is different in different castes and religions."

According to an article on the web;

"Court marriages are solemnized under the Special Marriage Act, 1954. Court marriage can be performed between an Indian male and a female irrespective of their caste, religion or creed. It can also be solemnized between an Indian and a foreigner. The procedure of the Court marriages does away with the rituals and ceremonies of the traditional marriages. The parties can directly apply to the Marriage Registrar for performance & registration of marriage and grant of marriage certificate. "

7.4 Population pyramid

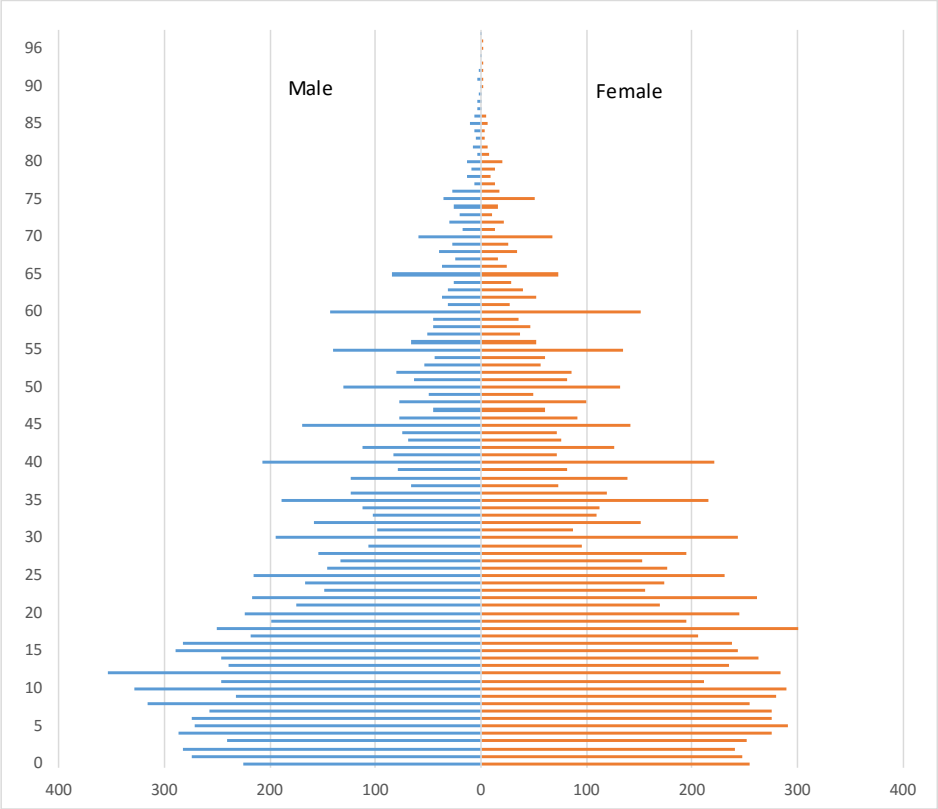
```
# Number of sample household members by single year of age and sex
# Q02: Sex
# Q05: Age

> t<-table(xt002$Q05,xt002$Q02)
> colnames(t)<-c("Male","Female")
> addmargins(t,2)
     Male Female Sum
  00  226    255 481
  01  274    247 521
  02  282    240 522
  03  241    251 492
  04  287    275 562
```

05	272	291	563
06	274	275	549
07	258	275	533
08	316	254	570
09	232	280	512
10	329	289	618
11	247	211	458
12	354	284	638
13	240	235	475
14	246	263	509
15	289	243	532
16	283	238	521
17	218	206	424
18	251	301	552
19	199	194	393
20	224	245	469
21	175	169	344
22	217	261	478
23	148	155	303
24	167	173	340
25	215	231	446
26	146	176	322
27	133	153	286
28	154	195	349
29	107	96	203
30	195	243	438
31	98	87	185
32	159	151	310
33	102	110	212
34	112	112	224
35	189	215	404
36	124	119	243
37	67	73	140
38	123	139	262
39	79	81	160
40	207	221	428

41	83	72	155
42	112	126	238
43	69	76	145
44	75	72	147
45	169	141	310
46	78	91	169
47	45	61	106
48	78	100	178
49	49	49	98
50	131	132	263
51	63	82	145
52	80	86	166
53	54	57	111
54	44	61	105
55	140	135	275
56	67	52	119
57	51	37	88
58	46	47	93
59	45	35	80
60	143	151	294
61	32	27	59
62	37	52	89
63	31	40	71
64	26	29	55
65	85	73	158
66	37	24	61
67	25	16	41
68	40	34	74
69	28	26	54
70	60	68	128
71	18	13	31
72	30	22	52
73	21	11	32
74	26	16	42
75	36	51	87
76	27	18	45

77	7	13	20
78	14	9	23
79	9	13	22
80	14	20	34
81	3	8	11
82	8	6	14
83	5	3	8
84	6	4	10
85	11	6	17
86	7	5	12
87	3	0	3
88	3	0	3
89	2	0	2
90	1	2	3
91	3	2	5
93	2	2	4
94	0	1	1
95	1	0	1
96	0	1	1
97	0	1	1
99	1	0	1

Fig. Population pyramid



✓ Age heaping is severe.

7.5 Household structure

```
# Maximum household size is 32.
> range(subset(xt002,Q10==1)$IDC)
[1]  1 32
```

✓ Designed household-level data file consist of number of persons by relationship as well as data of relationship, marital status, sex and age of each person.

Layout of records to be generated

hhid	No of persons by relationship						Relationship of each person					Marital status of each person					Sex of each person					Age of each person				
	T	1	2	3	…	10	1	2	3	…	32	1	2	3	…	32	1	2	3	…	32	1	2	3	…	32

Data File: xt002: Household roster
Household members: Q10=1

Variables:
WWWHH: household identifier
IDC: ID of household member (1 to max 32)
Q02: sex
Q05: age
Q03: relationship to the head (1 to 14)
Q06: marital status

```
> df<-subset(xt002,Q10==1)
> dim(df)
[1] 20264    16
> df<-df[,c("WWWHH","IDC","Q02","Q05","Q03","Q06")]
> colnames(df)<- c("hhid","no","sex","age","relation","marital")
> head(df)
   hhid no sex age relation marital
1 50101  1   1  54        1       1
2 50101  2   2  48        2       1
```

```
3 50101  3   1  08        3      NA
4 50101  4   2  18        3       5
5 50101  5   2  13        3       5
6 50101  6   2  04        4      NA

# Created data frame ft: family type
> ft<-data.frame(hhid=names(hhsz),hhsz,row.names=NULL)
> dim(ft)
[1] 3912    2
> head(ft)
   hhid hhsz
1 50101    6
2 50102    5
3 50104    3
4 50105    4
5 50107    5
6 50108    3

> for(j in 1:14){
+ d<-subset(df,relation==j)
+ nj<-tapply(d$no,d$hhid,length)
+ dj<-data.frame(hhid=names(nj),nj)
+ ft<-merge(ft,dj,by="hhid",all.x=T)
+ colnames(ft)[ncol(ft)]<-paste("n",j,sep="")
+ }
> dim(ft)
[1] 3912   16
> head(ft)
   hhid hhsz n1 n2 n3 n4 n5 n6 n7 n8 n9 n10 n11 n12 n13 n14
1 50101    6  1  1  3  1 NA NA NA NA NA  NA  NA  NA  NA  NA
2 50102    5  1 NA  3 NA NA NA NA NA NA   1  NA  NA  NA  NA
3 50104    3  1 NA  2 NA NA NA NA NA NA  NA  NA  NA  NA  NA
4 50105    4  1 NA  3 NA NA NA NA NA NA  NA  NA  NA  NA  NA
5 50107    5  1  1  3 NA NA NA NA NA NA  NA  NA  NA  NA  NA
6 50108    3  1 NA  2 NA NA NA NA NA NA  NA  NA  NA  NA  NA
> ft.old<-ft
```

```
# Relationship, marital status, sex and age by person number
> for(j in 1:32){
+ d<-subset(df,no==j)[,c("hhid","relation","marital","sex","age")]
+ colnames(d)<-c("hhid",paste(c("r","m","s","a"),j,sep=""))
+ ft<-merge(ft,d,by="hhid",all.x=T)
+ }
> dim(ft)
[1] 3912  144
> colnames(ft)
  [1] "hhid" "hhsz" "n1"   "n2"   "n3"   "n4"   "n5"   "n6"   "n7"   "n8"   "n9"   "n10"  "n11"
 [14] "n12"  "n13"  "n14"  "r1"   "m1"   "s1"   "a1"   "r2"   "m2"   "s2"   "a2"   "r3"   "m3"
 [27] "s3"   "a3"   "r4"   "m4"   "s4"   "a4"   "r5"   "m5"   "s5"   "a5"   "r6"   "m6"   "s6"
 [40] "a6"   "r7"   "m7"   "s7"   "a7"   "r8"   "m8"   "s8"   "a8"   "r9"   "m9"   "s9"   "a9"
 [53] "r10"  "m10"  "s10"  "a10"  "r11"  "m11"  "s11"  "a11"  "r12"  "m12"  "s12"  "a12"  "r13"
 [66] "m13"  "s13"  "a13"  "r14"  "m14"  "s14"  "a14"  "r15"  "m15"  "s15"  "a15"  "r16"  "m16"
 [79] "s16"  "a16"  "r17"  "m17"  "s17"  "a17"  "r18"  "m18"  "s18"  "a18"  "r19"  "m19"  "s19"
 [92] "a19"  "r20"  "m20"  "s20"  "a20"  "r21"  "m21"  "s21"  "a21"  "r22"  "m22"  "s22"  "a22"
[105] "r23"  "m23"  "s23"  "a23"  "r24"  "m24"  "s24"  "a24"  "r25"  "m25"  "s25"  "a25"  "r26"
[118] "m26"  "s26"  "a26"  "r27"  "m27"  "s27"  "a27"  "r28"  "m28"  "s28"  "a28"  "r29"  "m29"
[131] "s29"  "a29"  "r30"  "m30"  "s30"  "a30"  "r31"  "m31"  "s31"  "a31"  "r32"  "m32"  "s32"
[144] "a32"
> ft.old2<-ft

# Ordered the variables as designed
> ft<-ft[,c(1:16,seq(17,141,by=4),seq(18,142,by=4),seq(19,143,by=4),seq(20,144,by=4))]
> colnames(ft)
  [1] "hhid" "hhsz" "n1"   "n2"   "n3"   "n4"   "n5"   "n6"   "n7"   "n8"   "n9"   "n10"  "n11"
 [14] "n12"  "n13"  "n14"  "r1"   "r2"   "r3"   "r4"   "r5"   "r6"   "r7"   "r8"   "r9"   "r10"
 [27] "r11"  "r12"  "r13"  "r14"  "r15"  "r16"  "r17"  "r18"  "r19"  "r20"  "r21"  "r22"  "r23"
 [40] "r24"  "r25"  "r26"  "r27"  "r28"  "r29"  "r30"  "r31"  "r32"  "m1"   "m2"   "m3"   "m4"
 [53] "m5"   "m6"   "m7"   "m8"   "m9"   "m10"  "m11"  "m12"  "m13"  "m14"  "m15"  "m16"  "m17"
 [66] "m18"  "m19"  "m20"  "m21"  "m22"  "m23"  "m24"  "m25"  "m26"  "m27"  "m28"  "m29"  "m30"
 [79] "m31"  "m32"  "s1"   "s2"   "s3"   "s4"   "s5"   "s6"   "s7"   "s8"   "s9"   "s10"  "s11"
 [92] "s12"  "s13"  "s14"  "s15"  "s16"  "s17"  "s18"  "s19"  "s20"  "s21"  "s22"  "s23"  "s24"
```

```
[105] "s25"  "s26"  "s27"  "s28"  "s29"  "s30"  "s31"  "s32"  "a1"   "a2"   "a3"   "a4"   "a5"
[118] "a6"   "a7"   "a8"   "a9"   "a10"  "a11"  "a12"  "a13"  "a14"  "a15"  "a16"  "a17"  "a18"
[131] "a19"  "a20"  "a21"  "a22"  "a23"  "a24"  "a25"  "a26"  "a27"  "a28"  "a29"  "a30"  "a31"
[144] "a32"
> ft.old3<-ft
> ft[is.na(ft)]<-0
> head(ft)

> ft.old4<-ft


# Number of sample households consisted of a head' s couple only
> nrow(subset(ft,hhsz==2&n2==1))
[1] 159
> 159/3912
[1] 0.04064417


# Number of sample household consisted of a head' s couple and their children
> nrow(subset(ft,n2==1&n3>=1&hhsz==(n1+n2+n3)))
[1] 1435
> 1435/3912
[1] 0.36682


# Number of sample household consisted of a mother and her children
> nrow(subset(ft,s1==2&n2==0&n3>=1&hhsz==(n1+n2+n3)))
[1] 363
> 363/3912
[1] 0.09279141


# Number of sample household consisted of a father and his children
> nrow(subset(ft,s1==1&n2==0&n3>=1&hhsz==(n1+n2+n3)))
[1] 29
> 29/3912
```

```
[1] 0.007413088
```

✓ Summary:

The share of nuclear family in the sample households is 50.8%.

```
# Number of single person household
> nrow(subset(ft,hhsz==1))
[1] 127
> 127/3912
[1] 0.03246421
```

 # Generated variables g1 to g32 for household members. The values of g1 to g32 are as follows;

Value	Description	Definition
1	Grandparents'generation	relation=11 & (age-head's age)>=35
2	Parents'generation	relation=5, 10
3	Head's generation	relation=1, 2, 6, 9
4	Children's generation	relation=3, 7, 8
5	Grandchildren's generation	relation=4
6	Other relative	relation=11 & (age-head's age)<35
7	Non-relative	relation=12, 13, 14

```
> for(j in 1:32){
+ gen<-rep(0,nrow(ft))
+ relation<-ft[,j+16]
+ head.age<-as.numeric(ft$a1)
+ age.diff<-as.numeric(ft[,j+112])-head.age
+ gen<-ifelse(relation==11&age.diff>=35,1,gen)
+ gen<-ifelse(relation==5|relation==10,2,gen)
+ gen<-ifelse(relation==1|relation==2|relation==6|relation==9,3,gen)
+ gen<-ifelse(relation==3|relation==7|relation==8,4,gen)
```

```
+ gen<-ifelse(relation==4,5,gen)
+ gen<-ifelse(relation==11&age.diff<35,6,gen)
+ gen<-ifelse(relation>=12&relation<=14,7,gen)
+ ft["gen"]<-gen
+ colnames(ft)[ncol(ft)]<-paste("g",j,sep="")
+ }
> head(ft)
   hhid hhsz n1 n2 n3 n4 n5 n6 n7 n8 n9 n10 n11 n12 n13 n14 r1 r2 r3 r4 r5 r6 r7 r8 r9 r10 r11 r12
1 50101    6  1  1  3  1  0  0  0  0  0   0   0   0   0   0  1  2  3  3  3  4  0  0  0   0   0   0
2 50102    5  1  0  3  0  0  0  0  0  0   1   0   0   0   0  1  3  3  3 10  0  0  0  0   0   0   0
3 50104    3  1  0  2  0  0  0  0  0  0   0   0   0   0   0  1  3  3  0  0  0  0  0  0   0   0   0
4 50105    4  1  0  3  0  0  0  0  0  0   0   0   0   0   0  1  3  3  3  0  0  0  0  0   0   0   0
5 50107    5  1  1  3  0  0  0  0  0  0   0   0   0   0   0  1  2  3  3  3  0  0  0  0   0   0   0
6 50108    3  1  0  2  0  0  0  0  0  0   0   0   0   0   0  1  3  3  0  0  0  0  0  0   0   0   0
(omitted)
  a19 a20 a21 a22 a23 a24 a25 a26 a27 a28 a29 a30 a31 a32 g1 g2 g3 g4 g5 g6 g7 g8 g9 g10 g11 g12
1   0   0   0   0   0   0   0   0   0   0   0   0   0   0  3  3  4  4  4  5  0  0  0   0   0   0
2   0   0   0   0   0   0   0   0   0   0   0   0   0   0  3  4  4  4  2  0  0  0  0   0   0   0
3   0   0   0   0   0   0   0   0   0   0   0   0   0   0  3  4  4  0  0  0  0  0  0   0   0   0
4   0   0   0   0   0   0   0   0   0   0   0   0   0   0  3  4  4  4  0  0  0  0  0   0   0   0
5   0   0   0   0   0   0   0   0   0   0   0   0   0   0  3  3  4  4  4  0  0  0  0   0   0   0
6   0   0   0   0   0   0   0   0   0   0   0   0   0   0  3  4  4  0  0  0  0  0  0   0   0   0
(omitted)
```

Grouping sample households based on the number of persons by generation

```
# Defined variable pi, the number of persons in generation i
> for(j in 1:7){
+ ft["pi"]<-rowSums(ft[,145:176]==j)
+ colnames(ft)[ncol(ft)]<-paste("p",j,sep="")
+ }
> head(ft[,c(1,145:183)])
   hhid g1 g2 g3 g4 g5 g6 g7 g8 g9 g10 g11 g12 g13 g14 g15 g16 g17 g18 g19 g20 g21 g22 g23 g24 g25
1 50101  3  3  4  4  4  5  0  0  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
```

```
2 50102  3  4  4  4  2  0  0  0  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
3 50104  3  4  4  0  0  0  0  0  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
4 50105  3  4  4  4  0  0  0  0  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
5 50107  3  3  4  4  4  0  0  0  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
6 50108  3  4  4  0  0  0  0  0  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
  g26 g27 g28 g29 g30 g31 g32 p1 p2 p3 p4 p5 p6 p7
1   0   0   0   0   0   0   0  0  0  2  3  1  0  0
2   0   0   0   0   0   0   0  0  1  1  3  0  0  0
3   0   0   0   0   0   0   0  0  0  1  2  0  0  0
4   0   0   0   0   0   0   0  0  0  1  3  0  0  0
5   0   0   0   0   0   0   0  0  0  2  3  0  0  0
6   0   0   0   0   0   0   0  0  0  1  2  0  0  0
> ft.old6<-ft

# Number of persons by generation
> colSums(ft[,177:183])
   p1    p2    p3    p4    p5    p6    p7
   17   636  7362 10053  1913   156   127
```

Table Type of sample households by number of household members' generations

Number of generation	Household consisted of the below generation	Code	Number of sample households	Percentage
	All households		3,912	100.0
1	Total		358	9.2
	Single	11	127	3.2
	Head and spouse only	12	159	4.1
	Head, spouse and others	13	15	0.4
	Other	14	57	1.5
2	Total		2,242	57.3
	Head – Children	21	2,182	55.8
	Parents - Head	22	60	1.5
3	Total		1,255	32.1
	Head – Children - Grandchildren	31	781	20.0
	Head – Grandchildren	32	28	0.7
	Parents – Head - Children	33	442	11.3
	Grandparents – Parents - Head	34	4	0.1
	Grandparents - Head	35	0	
4	Total		56	1.4
	Parents – Head – Children - Grandchildren	41	44	1.1
	Parents – Head – Grandchildren	42	1	0.0
	Grandparents – Parents – Head – Children	43	5	0.1
	Grandparents – Head - Children	44	6	0.2
5	Grandparents – (Parents) – Head – (Children)-Grandchildren	50	1	0.0

✓ **Summary:**

The household consisted of two generations occupies 57.3%, followed by 32.1% of three-generation household and 9.2% of one-generations household.

```
# Grouped households using p1 to p5, regardless of the value of p6 and p7.
> h<-rep(0,nrow(ft))
> h<-ifelse(ft$p1==0&ft$p2==0&ft$p3>0&ft$p4==0&ft$p5==0,14,h)
```

```
> h<-ifelse(ft$hhsz==1,11,h)
> h<-ifelse(ft$hhsz==2&ft$n2==1,12,h)
> h<-ifelse(ft$p1==0&ft$p2==0&ft$p3>=3&ft$p4==0&ft$p5==0&ft$n2==1,13,h)
> h<-ifelse(ft$p1==0&ft$p2==0&ft$p3>0&ft$p4>0&ft$p5==0,21,h)
> h<-ifelse(ft$p1==0&ft$p2>0&ft$p3>0&ft$p4==0&ft$p5==0,22,h)
> h<-ifelse(ft$p1==0&ft$p2==0&ft$p3>0&ft$p4>0&ft$p5>0,31,h)
> h<-ifelse(ft$p1==0&ft$p2==0&ft$p3>0&ft$p4==0&ft$p5>0,32,h)
> h<-ifelse(ft$p1==0&ft$p2>0&ft$p3>0&ft$p4>0&ft$p5==0,33,h)
> h<-ifelse(ft$p1>0&ft$p2>0&ft$p3>0&ft$p4==0&ft$p5==0,34,h)
> h<-ifelse(ft$p1>0&ft$p2==0&ft$p3>0&ft$p4==0&ft$p5==0,35,h)
> h<-ifelse(ft$p1==0&ft$p2>0&ft$p3>0&ft$p4>0&ft$p5>0,41,h)
> h<-ifelse(ft$p1==0&ft$p2>0&ft$p3>0&ft$p4==0&ft$p5>0,42,h)
> h<-ifelse(ft$p1>0&ft$p2>0&ft$p3>0&ft$p4>0&ft$p5==0,43,h)
> h<-ifelse(ft$p1>0&ft$p2==0&ft$p3>0&ft$p4>0&ft$p5==0,44,h)
> h<-ifelse(ft$p1>0&ft$p3>0&ft$p5>0,50,h)
> t<-addmargins(table(h))
> t
h
  11   12   13   14   21   22   31   32   33   34   41   42   43   44   50  Sum
 127  159   15   57 2182   60  781   28  442    4   44    1    5    6    1 3912
> round(t/t[length(t)]*100,1)
h
   11    12    13    14    21    22    31    32    33    34    41    42    43    44    50
  3.2   4.1   0.4   1.5  55.8   1.5  20.0   0.7  11.3   0.1   1.1   0.0   0.1   0.2   0.0
  Sum
100.0
> ft["code"]<-h
> dim(ft)
[1] 3912  184
> hhfamilytype<-ft
```

 # Weighted number of households by by number of household members' generations

Table Composition of estimated households by number of household members' generations and urban/rural

Number of generation	Household consisted of the below generation	Code	Nepal	Urban	Rural
Nepal	All households		100.0	100.0	100.0
1	Total		8.4	12.2	7.7
	Single	11	3.0	4.2	2.8
	Head and spouse only	12	4.0	3.9	4.0
	Head, spouse and others	13	0.3	0.4	0.3
	Other	14	1.1	1.1	0.6
2	Total		56.6	59.7	56.2
	Head – Children	21	55.2	58.3	54.7
	Parents - Head	22	1.4	1.4	1.5
3	Total		33.4	26.7	34.6
	Head – Children - Grandchildren	31	20.8	17.1	21.5
	Head – Grandchildren	32	0.8	0.1	0.9
	Parents – Head - Children	33	11.7	9.3	12.1
	Grandparents – Parents - Head	34	0.1	0.2	0.1
	Grandparents - Head	35	0.0	0.0	0.0
4	Total		1.6	1.4	1.5
	Parents – Head – Children - Grandchildren	41	1.2	1.1	1.2
	Parents – Head – Grandchildren	42	0.0	0.0	0.0
	Grandparents – Parents – Head – Children	43	0.2	0.1	0.2
	Grandparents – Head - Children	44	0.2	0.2	0.1
5	Grandparents – (Parents) – Head – (Children)- Grandchildren	50	0.0	0.0	0.0

```
> d<-hhfamilytype[,c("hhid","hhsz","code")]
> d$WWW<-substr(d$hhid,1,3)
> head(d)
   hhid hhsz code WWW
```

```
1 50101    6   31 501
2 50102    5   33 501
3 50104    3   21 501
4 50105    4   21 501
5 50107    5   21 501
6 50108    3   21 501
> df<-merge(d,psu,by="WWW",all.x=T)
> dim(df)
[1] 3912   11
> head(df)
  WWW  hhid hhsz code Team dist ur reg zone strata    hhwt
1 501 50101    6   31   12   46  2   3    2      4 1323.07
2 501 50102    5   33   12   46  2   3    2      4 1323.07
3 501 50104    3   21   12   46  2   3    2      4 1323.07
4 501 50105    4   21   12   46  2   3    2      4 1323.07
5 501 50107    5   21   12   46  2   3    2      4 1323.07
6 501 50108    3   21   12   46  2   3    2      4 1323.07


# Family type
> t<-tapply(df$hhwt,df$code,sum)
> round(prop.table(t)*100,1)
  11   12   13   14   21   22   31   32   33   34   41   42   43   44   50
 3.0  4.0  0.3  1.1 55.2  1.4 20.8  0.8 11.7  0.1  1.2  0.0  0.2  0.2  0.0

> by(df,df$ur,function(x) round(prop.table(tapply(x$hhwt,x$code,sum))*100,1))
df$ur: 1
  11   12   13   14   21   22   31   32   33   34   41   43   44
 4.2  3.9  0.4  3.7 58.3  1.4 17.1  0.1  9.3  0.2  1.1  0.1  0.2
12.2               59.7       26.7                1.4
------------------------------------------------------------------------
df$ur: 2
  11   12   13   14   21   22   31   32   33   34   41   42   43   44   50
 2.8  4.0  0.3  0.6 54.7  1.5 21.5  0.9 12.1  0.1  1.2  0.0  0.2  0.1  0.0
 7.7               56.2       34.6                1.5
```

7.6 Ethnicity

Regarding the next queries;
1) It is said that the cast system is still profoundly prevailing in the society, especially occupation and marriage. Is it right? If so, please elaborate it.
2) Objectives of asking ethnicity for all household members.
3) What kind of tables were made using ethnic question? How was it used for policy making?

the delegates from Nepal to the seventh workshop replied as follows;

"*1) - It is said that the cast system is still profoundly prevailing in the society, especially occupation and marriage. It is right.*

2) - Generally all the members of household have same caste and ethnicity but, we have found in many cases that every members of HH do not follow the cast and ethnicity of household head. In Nepal, inter-cast marriage is acceptable, so in a couple, there may be a chance of different cast and ethnicity. And their child may follows the cast and ethnicity of father or mother. Another reason for asking cast and ethnicity question is to formulate the development policies to promote economic status of the households by cast and ethnicity.

3) - All the similar caste were kept in a group forming a sub-group from all the 92 (at that time) castes of Nepal. About 8-10 sub-groups of caste were formed, then each sub-groups of caste is analyzed in the sector of poverty, housing, education, income, etc. These kind of tables were made using ethnic question. These tables are used by the gov. for policy making and necessary action plans are taken to uplift their status which are to be uplifted."

```
# Data file: xt002 household roster
# Q01A: Ethnicity
# Q03: Relationship to the household head
> d<-outfiles[[2]]
> dim(d)
[1] 21531    16
```

- 81 ethnicities are identified in the survey.

```
> length(unique(d$Q01A))
```

```
[1] 81
```

- Out of 3,912 sample households, 3,783 households indicate that all household members have the same ethnicity.

```
> t<-tapply(d$Q01A,d$WWWHH,function(x) length(unique(x)))
> addmargins(table(t))
t
   1    2    3    4  Sum
3783  120    8    1 3912
```

- Out of 3,156 sample households with head and spouse, head and spouse have the same ethnicity in 3,138 households, however their ethnicities are different in 17 households.

```
> head<-subset(d,Q03==1)
> spouse<-subset(d,Q03==2)
> df<-merge(head[,c("WWWHH","Q01A")],spouse[,c("WWWHH","Q01A")],by="WWWHH")
> dim(df)
[1] 3156    3
> colnames(df)<-c("WWWHH","head.ethnicity","spouse.ethnicity")
> head(df)
  WWWHH head.ethnicity spouse.ethnicity
1 50101              8                8
2 50107              2                2
3 50108              2                2
4 50113              2                2
5 50116              3                3
6 50117              3                3
> table(df$head.ethnicity==df$spouse.ethnicity)
FALSE  TRUE
   17  3138
```

Chapter 8. Consumption

- Problems faced

The provided micro data set does not include household summary file consisting of yearly household income and consumption. So, we asked the next for CBS, Nepal.

"(1) Please provide the household-level variables of yearly income and consumption by sub-groups.

(2) The outline of estimation of household income and consumption is described in chapter 10 and 11 of the survey report. However, the detailed process of estimating the next items is not so clear. Please provide the related documents on the estimation procedure.

1) Estimation of consumption of durable goods, especially, the item-specific price increasing rate and the item-specific depreciation rate.

2) Estimation of consumption of housing, especially, the criteria of implausible reported data as well as the regression model, the results and the estimated imputed rent.

3) Estimation of crop income for own-consumption, especially, the imputed prices applied for own-consumptions."

The delegates from Nepal to the seventh workshop replied as follows;

"*We visit to CBS library as well as the Survey Section, the documents related to household income and consumption estimation procedure were not found. On the topic mentioned here, we have concerned to personnel who involved in NLSS 2003 survey design and data processing. He replied, for estimation of consumption of durable goods, current price rate was used and in case of using depreciation rate, it is based on the depreciation rate of items provided by Nepal Rastra Bank (NRB).*"

Under the current situation, we could not estimate household income and consumption compatible with the tables in the survey report using the provided micro data, due to lack of metadata.

Despite the lack of metadata, total and disaggregated data on income and consumption at household level is very useful for users.

8.0 Household summary data

- The data file "c2_nlssdata.dta" was provided by the delegates from Nepal upon request on the occasion of the seventh workshop in December 2015.
  It is a household-level summary file including the variables of total household income and total household consumption.

```
> list.files()
[1] "c2_nlssdata.dta"
> library(foreign)
> d<-read.dta("c2_nlssdata.dta",convert.factors=F)
> dim(d)
[1] 5072  199
> colnames(d)
  [1] "WWWHH"             "HH"                "weight"
  [4] "c2_indwght"        "WWW"               "district"
  [7] "urbrural"          "belt"              "region"
 [10] "stratum"           "group"             "c2_totlpop"
 [13] "phase"             "team"              "DEMOGRAPHICS"
 [16] "c2_hhsize"         "c2_nkids06"        "c2_nkids715"
 [19] "c2_nelderly"       "c2_namen"          "c2_nawomen"
 [22] "c2_skids06"        "c2_skids715"       "c2_samen"
 [25] "c2_sawomen"        "c2_selderly"       "c2_nkids06T"
 [28] "c2_hhsizeT"        "c2_depratio1"      "c2_depratio2"
 [31] "c2_depratio3"      "HOUSEHOLD_HEAD"    "r2_IDC"
 [34] "c2_ethnic_hhead"   "c2_educ_hhead"     "c2_type_hhead"
 [37] "c2_occup_hhead"    "PRICE_INDEXES"     "c2_fpi_ret_95"
 [40] "c2_fpi_ret_03"     "c2_nfpi_ret_95"    "c2_nfpi_ret_03"
 [43] "c2_pi_ret_95"      "c2_pi_ret_03"      "c2_pindex"
 [46] "c2_fpindex"        "c2_nfpindex"       "c2_ra_pindex"
 [49] "c2_pi_nepal95"     "c2_pi_nepal03"     "c2_av03_to_av95"
 [52] "POVERTY_LINES"     "c2_nomfpln"        "c2_nomnfpln"
 [55] "c2_nompln"         "c2_95nompln"       "c2_95nomfpln"
 [58] "c2_95nomnfpln"     "EXPENDITURE"       "c2_totcons"
 [61] "c2_hhrent"         "c2_food"           "c2_nfood"
 [64] "c2_tobacco"        "c2_fuel"           "c2_educatn"
 [67] "c2_consdur"        "c2_garbage"        "c2_electric"
 [70] "c2_telephon"       "c2_totnfood"       "c2_purchase"
 [73] "c2_hproduct"       "c2_inkind"         "c2_nfooditm"
 [76] "c2_npcexp"         "c2_npcfexp"        "c2_npcnfexp"
 [79] "c2_npcrentexp"     "c2_sfood"          "c2_stobacco"
 [82] "c2_snfood"         "c2_seducatn"       "c2_sconsdur"
 [85] "c2_shhrent"        "c2_sgarbage"       "c2_stelephon"
```

```
 [88] "c2_rexp"           "c2_rfexp"           "c2_rnfexp"
 [91] "c2_rrentexp"       "c2_rpcexp"          "c2_rpcfexp"
 [94] "c2_rpcnfexp"       "c2_rpcrentexp"      "WELFARE_INDICATORS"
 [97] "c2_nwdecile"       "c2_nwquint"         "c2_rdecile"
[100] "c2_rquint"         "c2_rurexp_quint"    "c2_poor"
[103] "c2_inc_poor"       "DURABLES"           "c2_durbl_yn501"
[106] "c2_durbl_yn502"    "c2_durbl_yn503"     "c2_durbl_yn504"
[109] "c2_durbl_yn505"    "c2_durbl_yn506"     "c2_durbl_yn507"
[112] "c2_durbl_yn508"    "c2_durbl_yn509"     "c2_durbl_yn510"
[115] "c2_durbl_yn511"    "c2_durbl_yn512"     "c2_durbl_yn513"
[118] "c2_durbl_yn514"    "c2_durbl_yn515"     "c2_durbl_yn516"
[121] "c2_durbl_yn517"    "ADEQUACY"           "r2_subpres_idc"
[124] "r2_subpfood"       "r2_subphous"        "r2_subpclth"
[127] "r2_subpheal"       "r2_subpschl"        "r2_subpincm"
[130] "r2_subrheal"       "r2_subrschl"        "r2_subrwatr"
[133] "r2_subrelct"       "r2_subrroad"        "r2_subrpost"
[136] "r2_subrphon"       "r2_enohfood"        "INCOME"
[139] "c2_hhtotinc"       "c2_npctotinc"       "c2_r95pctotinc"
[142] "c2_r95pcfarminc"   "c2_r95pcwageinc"    "c2_r95pcremitinc"
[145] "c2_r95pcentrpinc"  "c2_r95pcpropinc"    "c2_r95pchousinc"
[148] "c2_r95pcothinc"    "c2_farminc_shr"     "c2_wageinc_shr"
[151] "c2_agwageinc_shr"  "c2_nagwageinc_shr"  "c2_entrpinc_shr"
[154] "c2_propinc_shr"    "c2_remitinc_shr"    "c2_housinc_shr"
[157] "c2_othinc_shr"     "c2_nofarminc"       "c2_nowageinc"
[160] "c2_noagwageinc"    "c2_nonagwageinc"    "c2_noentrpinc"
[163] "c2_nopropinc"      "c2_noremitinc"      "c2_nohousinc"
[166] "c2_noothinc"       "c2_rpcinc_quintile" "c2_rpcinc_quartile"
[169] "OUTLIERS"          "incoutlier0"        "incoutlier1"
[172] "incoutlier2"       "expoutlier0"        "constant"
[175] "REAL_ALLNEPAL"     "size"               "sfexp"
[178] "fexp"              "basefexp_95"        "basefexp_03"
[181] "c2_ra_pcexp"       "c2_ra_pcinc"        "c2_ra95_pcexp"
[184] "c2_ra95_pcinc"     "c2_ra95pc_totinc"   "c2_ra95pc_farminc"
[187] "c2_ra95pc_wageinc" "c2_ra95pc_remitinc" "c2_ra95pc_entrpinc"
[190] "c2_ra95pc_propinc" "c2_ra95pc_housinc"  "c2_ra95pc_othinc"
[193] "r2_sex"            "r2_age"             "nworking"
```

```
[196] "nworkmen"          "nworkwom"          "ndep"
[199] "nindep"


# The above file includes cross-section data as well as panel data.
# Dropped panel data.
> d<-subset(d,WWW>=501)
> dim(d)
[1] 3912  199
```

- The data frame generated includes 3,912 households with 199 variables. List of variable is shown as follows. However, the definitions of some variables are not described

List of variable names and variable labels

No.	Variable	Description
1	WWWHH	Household Identifier
2	HH	Household Number
3	weight	Household weight
4	c2_indwght	Household weight X hhold size
5	WWW	Primary Sampling Unit
6	district	District
7	urbrural	Urban/Rural
8	belt	Ecological Belt
9	region	Development Region
10	stratum	Sample Stratum
11	group	geographic group
12	c2_totlpop	Total population of Nepal
13	phase	Enumeration Phase
14	team	Team Number
15	**DEMOGRAPHICS**	
16	c2_hhsize	Household size
17	c2_nkids06	Number of children 0-6
18	c2_nkids715	Number of children 7-15
19	c2_nelderly	Number of elderly 65+
20	c2_namen	Number of adult men 16-64
21	c2_nawomen	Number of adult women 16-64
22	c2_skids06	Share of children 0-6
23	c2_skids715	Share of children 7-15
24	c2_samen	Share of adult men 16-64

25	c2_sawomen	Share of adult women 16-64
26	c2_selderly	Share of elderly 65+
27	c2_nkids06T	RECODE of c2_nkids06 (Number of children 0-6)
28	c2_hhsizeT	
29	c2_depratio1	Dep. Ratio 1, # of wrk. pers/ hhsize, 20hrs +
30	c2_depratio2	Dep. Ratio 2, # of wrk. men/ hhsize, 20hrs +
31	c2_depratio3	Dep. Ratio 3, # of dep age (<15,>59)/ # of age [15,59]
32	**HOUSEHOLD_HEAD**	
33	r2_IDC	Household Head IDCode
34	c2_ethnic_hhead	Ethnicity of the Household Head
35	c2_educ_hhead	hh. head education level
36	c2_type_hhead	Household head type
37	c2_occup_hhead	occupation of the hhead
38	**PRICE_INDEXES**	
39	c2_fpi_ret_95	food price index to convert in rs. of R.E.T. 95
40	c2_fpi_ret_03	food price index to convert in rs. of R.E.T. 3
41	c2_nfpi_ret_95	non-food price index to convert in rs. of R.E.T. 03
42	c2_nfpi_ret_03	non-food price index to convert in rs. of R.E.T. 03
43	c2_pi_ret_95	price index to convert in rs. of R.E.T. 95
44	c2_pi_ret_03	price index to convert in rs. of R.E.T. 03
45	c2_pindex	regional price index to convert in rs. of Nepal 03
46	c2_fpindex	regional food price index to convert in rs. of Nepal 03
47	c2_nfpindex	regional non-food price index to convert in rs. of Nepal 03
48	c2_ra_pindex	Regional Price index to convert to average Nepal 03
49	c2_pi_nepal95	price index to convert in rs. of Nepal 95
50	c2_pi_nepal03	price index to convert in rs. of Nepal 03
51	c2_av03_to_av95	Intertemporal index (Av Nepal 03/Av Nepal 95)
52	**POVERTY_LINES**	
53	c2_nomfpln	Nominal Food Poverty Line (synthetic)
54	c2_nomnfpln	Nomjnal Non-Food Poverty Line (synthetic)
55	c2_nompln	Nominal Poverty Line (synthetic)
56	c2_95nompln	Nominal Poverty Line (based on old caloric requirement)
57	c2_95nomfpln	Nominal Food Poverty Line (based on old caloric requirement)
58	c2_95nomnfpln	Nominal Non-Food Poverty Line (based on old caloric requirement)
59	**EXPENDITURE**	
60	**c2_totcons**	**Total household consumption**
61	c2_hhrent	Housing consumption
62	c2_food	Food consumption
63	c2_nfood	Non-food expenditures
64	c2_tobacco	Tobacco consumption
65	c2_fuel	Fuel expenditures
66	c2_educatn	Educational expenditure
67	c2_consdur	Durables consumption
68	c2_garbage	Amount paid ofr garbage collection
69	c2_electric	Amount paid for electricity
70	c2_telephon	Amount paid for telephone

71	c2_totnfood	Total non-food (except rent)
72	c2_purchase	Food purchases
73	c2_hproduct	Food home production
74	c2_inkind	Food in-kind receipts
75	c2_nfooditm	Number of food items consumed
76	**c2_npcexp**	**PC consumption**
77	c2_npcfexp	PC Food consumption
78	c2_npcnfexp	PC Non food consumption, except rent
79	c2_npcrentexp	PC Rent consumption
80	c2_sfood	Share of food consumption
81	c2_stobacco	Share of tobacco consumption
82	c2_snfood	Share of nonfood consumption
83	c2_seducatn	Share of educational expenditures
84	c2_sconsdur	Share of consumer durables consumption
85	c2_shhrent	Share of household rent expenditures
86	c2_sgarbage	Share of garbage expenditures
87	c2_stelephon	Share of expenditrues on telephone
88	c2_rexp	Consumption in rs of 95 R.E.T.
89	c2_rfexp	Food consumption in rs of 95 R.E.T.
90	c2_rnfexp	Non-food consumption (except rent) in rs of 95
91	c2_rrentexp	Rent consumption in rs of 95 R.E.T.
92	c2_rpcexp	Per Capita consumption in rs of 95 R.E.T.
93	c2_rpcfexp	Per Capita food consumption in rs of 95 R.E.T.
94	c2_rpcnfexp	Per Capita non-food consumption (except rent) in rs of 95 R.E.T.
95	c2_rpcrentexp	Per Capita rent consumption (except rent) in rs of 95 R.E.T.
96	**WELFARE_INDICATORS**	
97	c2_nwdecile	10 deciles of nominal p.c expenditure (c2_npcexp)
98	c2_nwquint	5 quintiles of nominal p.c expenditure (c2_npcexp)
99	c2_rdecile	10 deciles of p.c exp. in rs of R.E.T 95 (c2_rpcexp)
100	c2_rquint	5 quintiles of p.c exp. in rs of R.E.T 95 (c2_rpcexp)
101	c2_rurexp_quint	PC rexp quintiles, (hh weights)
102	c2_poor	hhold in poverty, c2_npcexp<c2_nompln
103	c2_inc_poor	pc. income < poverty line
104	DURABLES	
105	c2_durbl_yn501	radio/cassette player
106	c2_durbl_yn502	camera/camcorder
107	c2_durbl_yn503	bicycle
108	c2_durbl_yn504	motorcycle/scooter
109	c2_durbl_yn505	motor car, etc.
110	c2_durbl_yn506	refrigerator/freezer
111	c2_durbl_yn507	washing machine
112	c2_durbl_yn508	fans
113	c2_durbl_yn509	heaters
114	c2_durbl_yn510	tv/vcr/vcd
115	c2_durbl_yn511	petromax
116	c2_durbl_yn512	telephone sets/cordless/mobile etc.

117	c2_durbl_yn513	sewing machine
118	c2_durbl_yn514	furniture and rugs
119	c2_durbl_yn515	kitchen utensils
120	c2_durbl_yn516	jewelry
121	c2_durbl_yn517	computer/printer
122	**ADEQUACY**	
123	r2_subpres_idc	V17_IDR ID CODE OF RESPONDENT
124	r2_subpfood	V17_01 Food consumption
125	r2_subphous	V17_02 Facility consumed
126	r2_subpclth	V17_03 Clothing
127	r2_subpheal	V17_04 Health care
128	r2_subpschl	V17_05 Schooling
129	r2_subpincm	V17_06 Total income
130	r2_subrheal	V17_08 Health
131	r2_subrschl	V17_09 Education
132	r2_subrwatr	V17_10 Drinking water
133	r2_subrelct	V17_11 Electricity
134	r2_subrroad	V17_12 Road
135	r2_subrpost	V17_13 Post office
136	r2_subrphon	V17_14 Telephone
137	r2_enohfood	V17_07 Anyone eat too little?
138	**INCOME**	
139	**c2_hhtotinc**	**household total income**
140	**c2_npctotinc**	**household p.c. income**
141	c2_r95pctotinc	p.c. totinc in rs. of R.E.T 95
142	c2_r95pcfarminc	p.c. farminc in rs. of R.E.T 95
143	c2_r95pcwageinc	p.c. wageinc in rs. of R.E.T 95
144	c2_r95pcremit~c	p.c. remitinc in rs. of R.E.T 95
145	c2_r95pcentrp~c	p.c. entrpinc in rs. of R.E.T 95
146	c2_r95pcpropinc	p.c. propinc in rs. of R.E.T 95
147	c2_r95pchousinc	p.c. housinc in rs. of R.E.T 95
148	c2_r95pcothinc	p.c. othinc in rs. of R.E.T 95
149	c2_farminc_shr	share of farminc in total income
150	c2_wageinc_shr	share of wageinc in total income
151	c2_agwageinc_~r	share of agwageinc in total income
152	c2_nagwageinc~r	share of nagwageinc in total income
153	c2_entrpinc_shr	share of entrpinc in total income
154	c2_propinc_shr	share of propinc in total income
155	c2_remitinc_shr	share of remitinc in total income
156	c2_housinc_shr	share of housinc in total income
157	c2_othinc_shr	share of othinc in total income
158	c2_nofarminc	hh with no income coming from farminc
159	c2_nowageinc	hh with no income coming from wageinc
160	c2_noagwageinc	hh with no income coming from agwageinc
161	c2_nonagwageinc	hh with no income coming from nagwageinc
162	c2_noentrpinc	hh with no income coming from entrpinc

163	c2_nopropinc	hh with no income coming from propinc
164	c2_noremitinc	hh with no income coming from remitinc
165	c2_nohousinc	hh with no income coming from housinc
166	c2_noothinc	hh with no income coming from othinc
167	c2_rpcinc_qui~e	5 quantiles of c2_rpctotinc
168	c2_rpcinc_qua~e	4 quantiles of c2_rpctotinc
169	**OUTLIERS**	
170	incoutlier0	0.5% cut from each tail
171	incoutlier1	28 selected outliers in loginc
172	incoutlier2	out of median+/-5*(90p-5p)
173	expoutlier0	0.5% cut from each tail
174	constant	Total
175	**REAL_ALLNEPAL**	
176	size	
177	sfexp	(mean) sfexp
178	fexp	
179	basefexp_95	
180	basefexp_03	
181	c2_ra_pcexp	real PC expenditure in average Nepal 03 prices
182	c2_ra_pcinc	real PC income in average Nepal 03 prices
183	c2_ra95_pcexp	real PC expenditure in average Nepal 95 prices
184	c2_ra95_pcinc	real PC income in average Nepal 95 prices
185	c2_ra95pc_tot~c	p.c. totinc in rs. of Nepal 95
186	c2_ra95pc_far~c	p.c. farminc in rs. of Nepal 95
187	c2_ra95pc_wag~c	p.c. wageinc in rs. of Nepal 95
188	c2_ra95pc_rem~c	p.c. remitinc in rs. of Nepal 95
189	c2_ra95pc_ent~c	p.c. entrpinc in rs. of Nepal 95
190	c2_ra95pc_pro~c	p.c. propinc in rs. of Nepal 95
191	c2_ra95pc_hou~c	p.c. housinc in rs. of Nepal 95
192	c2_ra95pc_oth~c	p.c. othinc in rs. of Nepal 95
193	r2_sex	V01A_02 Sex
194	r2_age	V01A_05 Age
195	nworking	(sum) nworking
196	nworkmen	(sum) nworkmen
197	nworkwom	(sum) nworkwom
198	ndep	(sum) depend
199	nindep	(sum) indep

```
# Confirmed that WWWHH of the summary file is compatible with the previous data set.
> summary<-d
> xt001<-outfiles[[1]]
> dim(xt001)
[1] 3912   28
```

```
> table(summary$WWWHH==xt001$WWWHH)
TRUE
3912
```

Estimated the average of household income and household expenditure, and compared with the figures in the survey report.

```
> weighted.mean(d$c2_totcons,d$weight)
[1] 86263.48
> weighted.mean(d$c2_hhtotinc,d$weight)
[1] 66118.54
> weighted.mean(d$c2_npcexp,d$c2_indwght)
[1] 16353.87
> weighted.mean(d$c2_npctotinc,d$c2_indwght)
[1] 12534.79
```

Compared with the figures in the survey report

	Variable	c2_nlssdata.dta	Survey report
Weighted mean		Rs	Rs
hh income	c2_hhtotinc	**66,119**	80,111
hh consumption	c2_totcons	86,263	83,593
pc income	c2_npctotinc	**12,535**	15,162
pc consumption	c2_npcexp	16,354	15,848

- The above table shows that the estimated household income is about 17% lower than that of the survey report, while the household consumption is about 3% higher than that.

- Regarding the figures in the tables of the survey report, the followings are described at the footnote of page 34 in the NLSS II Report Vol 2 ;

"0.5 percent each of both ends of the per capita income distribution -- 39 households in total, 1 percent of all households -- are defined as outliers and excluded from the analysis. All subsequent tables are based on data without the outliers."

For this point, the delegates from Nepal to the seventh workshop elaborated as follows;
"*The footnote at page 34 of the survey report II describes "All subsequent tables are based on data without the outliers" because 0.5 % each of both ends of PCI distribution = 39 hh (in total 1% of all households) have highly dispersed value (very high and very low) from mean and median. If it was included in analysis, it would have highly affected mean value of annual households' income of the country. Those table are based on 99% data without the outliers. In the other words, we could use median value of PCI. It has excluded 1% of data as outliers in case of income variable only."*

```
# Sorted the data frame by the per capita income.
> d<-summary[,c(1,3:5,7,10,16,60,76,139,140,167,168,170:173)]
> d<-d[order(d$c2_npctotinc),]
> nrow(d)*0.005
[1] 19.56


# Defined a flag as the variable of outlier
# flag=1 for top 19 records and last 20 records,
#        that is, 1 to 19 and 3,893 to 3,912
# flag=0 for others
> x<-1:nrow(d)
> d$flag<-ifelse(x<=19|x>=nrow(d)-19,1,0)
> sum(d$flag)
[1] 39

# Defined the data frame excluding outliers with falg=1
> d.save<-d
> d<-subset(d,flag==0)
> dim(d)
[1] 3873   18

# Estimated household income and expenditure
> weighted.mean(d$c2_totcons,d$weight)
[1] 83657.77
> weighted.mean(d$c2_hhtotinc,d$weight)
```

```
[1] 81150.54
> weighted.mean(d$c2_npcexp,d$c2_indwght)
[1] 15843.08
> weighted.mean(d$c2_npctotinc,d$c2_indwght)
[1] 15368.26
```

	Variable	c2_nlssdata.dta excluding outliers	Survey report	Gap(%)
Weighted mean		Rs	Rs	
hh income	c2_hhtotinc	81,151	80,111	1.3
hh consumption	c2_totcons	83,658	83,593	0.1
pc income	c2_npctotinc	15,368	15,162	1.4
pc consumption	c2_npcexp	15,843	15,848	0.0

Summary:

The estimated household income and expenditure excluding 39 outliers bacame almost same as that of the survey report.

Remarks:

The data file “c2_nlssdata.dta” includes the variable “incoutlier0” with the label of “0.5% cut from each tail”. However, the detailed definition of the variable is not clear, and there are some inconsistencies.

```
> d<-d.save
> table(d$flag==d$incoutlier0,useNA="ifany")
FALSE  TRUE
    7  3905
```

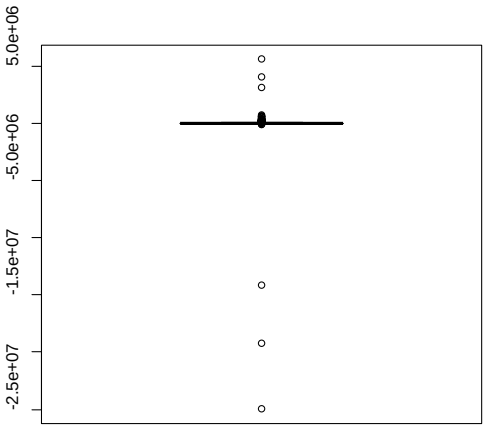
- Outliers

The largest outlier is 5,589,600 Rs and the smallest is -24,979,360 Rs. 8 outliers have negative per capita income.

```
> range(d$c2_npctotinc)
[1] -24979360   5589600
```

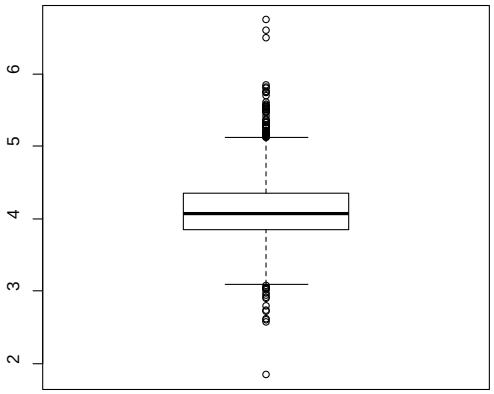
```
> nrow(subset(d,flag==1&c2_npctotinc<0))
[1] 8
> boxplot(d$c2_npctotinc)
```

In the next boxplot of per capita income, the three dot in the bottom shows large negative income.



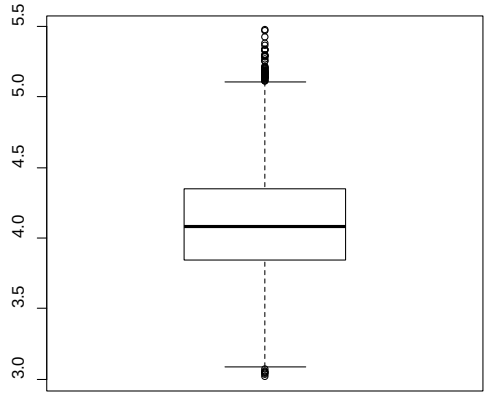
The next is the boxplot of log per capita income.

```
> boxplot(log10(d$c2_npctotinc))
```



The boxplot after excluding 39 outliers.

```
> d2<-subset(d,flag==0)
> boxplot(log10(d2$c2_npctotinc))
```



Quintiles of per capita income

```
# Defined the function
> quantile2<-function(x,w,probs=0:4/4){
+ o<-order(x)
+ x<-x[o]
+ w<-w[o]
+ cp<-cumsum(w)/sum(w)
+ q<-rep(0,length(probs)) #
+ for(j in 1:length(probs)){
+ if(probs[j]==0){
+   q[j]<-min(x)
+ }else if(probs[j]==1){
+   q[j]<-max(x)
+ }else{
+   n<-sum(cp<=probs[j])
+   q[j]<-x[n]+(x[n+1]-x[n])*
+     (probs[j]-cp[n])/(cp[n+1]-cp[n])
+ } # end of if
+ } # end of for
+ return(q)
+ } # end of function
```

```
# Estimated the quintiles of per capita income without 39 outliers
> pcq<-quantile2(d2$c2_npctotinc,d2$c2_indwght,1:4/5)
> round(pcq,1)
[1]  5437.8  8025.0 11611.0 19387.5

# Defined the variable of quintile groups in the data frame including outliers.
> breaks<-c(min(d$c2_npctotinc),pcq,max(d$c2_npctotinc))
> d$pcinc.q<-cut(d$ c2_npctotinc,breaks,
+ labels=paste("Q",1:5,sep=""),right=T,include.lowest=T)
> addmargins(table(d$pcinc.q))
  Q1   Q2   Q3   Q4   Q5  Sum
 610  617  686  824 1175 3912

# Estimated the average per capita income by quintile groups excluding outliers
> d2<-subset(d,flag==0)
> tapply(d2$c2_npctotinc*d2$c2_indwght,d2$pcinc.q,sum)/
+ tapply(d2$c2_indwght,d2$pcinc.q,sum)
       Q1         Q2         Q3         Q4         Q5
 3932.770  6692.085  9673.764 14902.007 41621.125
```

Per capita income quintile	Average per capita income (excluding 39 outliers)	Survey report (Table 11.5)	Gap(%)
Q1	3,933	4,003	-1.7
Q2	6,692	6,727	-0.5
Q3	9,674	9,697	-0.2
Q4	14,902	14,917	-0.1
Q5	41,621	40,486	2.8

Summary

The average per capita income excluding 39 outliers by quintile groups is almost same as that of the survey report.

Remarks:

The data file “c2_nlssdata.dta” includes the variable “c2_rpcinc_quintile”. However, the detailed

definition of the variable is not clear, and there are some inconsistencies with pcinc.q.

```
> table(d$pcinc.q,d$c2_rpcinc_quintile)
       c2_rpcinc_quintile
pcinc.q 1    2    3    4    5
  Q1  530   80    0    0    0
  Q2  103  415   99    0    0
  Q3    1  144  449   92    0
  Q4    0    3  156  601   64
  Q5    0    0    0  128 1047
```

```
# Confirmed that the estimated number of household members is equally divided into quintile groups.
# Estimated from all samples
> tapply(d$c2_indwght,d$pcinc.q,sum)
     Q1      Q2      Q3      Q4      Q5
4469195 4400378 4387807 4387135 4439638

# Estimated from samples excluding outliers
> tapply(d2$c2_indwght,d2$pcinc.q,sum)
     Q1      Q2      Q3      Q4      Q5
4374428 4400378 4387807 4387135 4389387
```

Summary

1. The variables of “incoutlier0” (0.5% cut from each tail) as well as “c2_rpcinc_quintile” (5 quantiles of c2_rpctotinc) have inconsistencies.

2. Integrity check of household income and expenditure among data files will be discussed in the following chapters.

Disaggregation of total household consumption

- The variables from No. 60 to No. 75 in the file "c2_nlssdata (summary)" are subgroups of household consumption.
- Weighted mean of each variable with and without outliers is shown in the next table.

No	Variable	Description	Weighted mean	Weighted mean excluding outliers
60	**c2_totcons**	**Total household consumption**	86263	83658
61	c2_hhrent	Housing consumption	12828	12038
62	c2_food	Food consumption	36968	36807
63	c2_nfood	Non-food expenditures	17816	17577
64	c2_tobacco	Tobacco consumption	833	832
65	c2_fuel	Fuel expenditures	1502	1478
66	c2_educatn	Educational expenditure	3587	3542
67	c2_consdur	Durables consumption	11120	9928
68	c2_garbage	Amount paid for garbage collection	23	22
69	c2_electric	Amount paid for electricity	897	840
70	c2_telephon	Amount paid for telephone	690	594
71	c2_totnfood	Total non-food (except rent)	36468	34812
72	c2_purchase	Food purchases	18709	18504
73	c2_hproduct	Food home production	17070	17114
74	c2_inkind	Food in-kind receipts	1189	1189
75	c2_nfooditm	Number of food items consumed	35	35

```
# Weighted mean
> for(j in 60:75) cat(j,":",round(weighted.mean(summary[,j],summary$weight)),"¥n")
60 : 86263
61 : 12828
62 : 36968
63 : 17816
64 : 833
65 : 1502
66 : 3587
67 : 11120
68 : 23
69 : 897
70 : 690
71 : 36468
72 : 18709
```

```
73 : 17070
74 : 1189
75 : 35

# Weighted mean excluding outliers
> summary2<-summary[order(summary$c2_npctotinc),]
> summary2<-summary2[-c(1:19,3893:3912),]
> dim(summary2)
[1] 3873  199
> for(j in 60:75) cat(j,":",round(weighted.mean(summary2[,j],summary2$weight)),"¥n")
60 : 83658
61 : 12038
62 : 36807
63 : 17577
64 : 832
65 : 1478
66 : 3542
67 : 9928
68 : 22
69 : 840
70 : 594
71 : 34812
72 : 18504
73 : 17114
74 : 1189
75 : 35
```

Summary

The above variables are inconsistent within the file of “c2_nlssdata (summary)”.

- Item 60 = sum of item 61 to 70

```
> table(abs(summary[,60]-rowSums(summary[,61:70]))<1)
TRUE
3912
```

- Item 71 = sum of item 63 to 70

```
> table(abs(summary[,71]-rowSums(summary[,63:70]))<1)
TRUE
3912
```

- Item 62 = sum of item 72 to 74

```
> table(abs(summary[,62]-rowSums(summary[,72:74]))<1)
TRUE
3912
```

Definition of household consumption

According to the survey report, the construction of consumption aggregate is as follows;

"We compute annual household consumption (TC) as the sum of the following sub-aggregates, all of which are annual nominal household values:

Food Consumption

+

Non-food Expenditure

Non-food expenditure, in turn, consists of the following sub-aggregates

Tobacco Consumption

+ Selected Non-Food Expenditures from Section 6

+ Expenditures on Education

+ Consumption Flow from Durable Goods

+ Consumption of Housing

+ Consumption of Utilities"

- **Integrity check between c2_nlssdata (summary), variables of which are derived, and micro data file were conducted as follows.**

8.1 FOOD and TOBACCO

"Food consumption component is constructed from the data collected in Section 5 of the NLSS questionnaire: "Food Expenses and Home Production".
First, for each of the food items 011-132 (excluding tobacco and tobacco products (121-124) consumed in a household, reported monthly values of purchased food and home-produced food are annualized.
Second, these annual values are added to annual value of food received in-kind to obtain a value of consumption of that food item in the past 12 months.
Finally, this measure is aggregated for all food items reported to have been consumed by each household to obtain an estimate of total annual food consumption for that household."

"Consumption of tobacco is constructed from food items 121-124 of Section 5 in the manner described above for food consumption."

Section 5: household-level
XT013: Food code 011 to 133
Unit of record: WWWHH and ITM

```
# ITM: food code 011 to 133 (regardless of the description "011-132" in the survey report)
#      Note: Tobacco & tobacco products 121 to 124
# Q02: No. of months consumed
# Q04: Value of home product in a typical month (Reference period: 1M)
# Q05: No. of months purchased
# Q07: Amount paid in a typical month (1M)
# Q08: Received in-kind (12M)

# Value of consumption of the food item in the past 12 months (in Rupees)
#        Q02*Q04 + Q05*Q07 + Q08

> d<-outfiles[[13]]
> dim(d)
[1] 266014     14
> head(d)
  WWWHH WWW HH ITM Q01 Q02 Q03A Q03B  Q04 Q05 Q06A Q06B  Q07  Q08
```

```
1 50101 501  1  11   2  NA   NA   NA   NA  NA   NA   NA   NA   NA
2 50101 501  1  12   1   0   NA   NA   NA   6  100    1 1500 1500
3 50101 501  1  13   1   0   NA   NA   NA   7    2    1   44    0
4 50101 501  1  14   1   6   25    6 1000   0   NA   NA   NA  800
5 50101 501  1  15   1   6    4    6  120   0   NA   NA   NA    0
6 50101 501  1  16   1   4   10    6  400   2   25    6 1000  120
```

✓ Food code ITM is 3-digit. The number of codes is 68. It is grouped into 13 groups.

```
> range(d$ITM)
[1]  11 133
> length(unique(d$ITM))
[1] 68
> length(unique(floor(d$ITM/10)))
[1] 13
> d$fg<-floor(d$ITM/10)   # Food group
> addmargins(table(d$fg))
    1     2     3     4     5     6     7     8     9    10    11    12    13   Sum
31295 23472 23472 15648 23472 31296 19560 23472 15648 15648 15648 15647 11736 266014
```

✓ Generated the value of yearly consumption in each record

```
> d[is.na(d)]<-0
> d$ycon<- d$Q02*d$Q04 + d$Q05*d$Q07 + d$Q08
> head(d)
  WWWHH WWW HH ITM Q01 Q02 Q03A Q03B  Q04 Q05 Q06A Q06B  Q07  Q08 fg  ycon
1 50101 501  1  11   2   0    0    0    0   0    0    0    0    0  1     0
2 50101 501  1  12   1   0    0    0    0   6  100    1 1500 1500  1 10500
3 50101 501  1  13   1   0    0    0    0   7    2    1   44    0  1   308
4 50101 501  1  14   1   6   25    6 1000   0    0    0    0  800  1  6800
5 50101 501  1  15   1   6    4    6  120   0    0    0    0    0  1   720
6 50101 501  1  16   1   4   10    6  400   2   25    6 1000  120  1  3720
```

✓ Generated the household-level data frame consisted of yearly consumption by 13 groups

```
> t<-tapply(d$ycon,list(d$WWWHH,d$fg),sum)
> dim(t)
[1] 3912   13
> head(t)
```

```
          1    2     3    4    5    6    7    8    9   10   11   12   13
50101 22424 1760 10880 7700 1702  240 2880 2752 1452  576 1235 1164  343
50102 13275    0  4770 3740  240  269 1800 1346  720  576    0    0    0
50104  6668  590  7800 6840 1750 2662 2120 1176 2440  780    0    0  480
50105 11740 2245  9520 9600 2599 2655 2560 1483 2360  720    0    0 1050
50107  9190  190  6300 3000 1048  770 1600 1640  672 2076    0    0 1800
50108 11688 1150 10800 3462  930  260  480 1656 1680  720    0    0 1584
> df<-data.frame(WWWHH=rownames(t),t)
> colnames(df)[2:14]<-paste("g",1:13,sep="")
> df$food<-rowSums(df[,2:14])
> head(df)
      WWWHH    g1   g2    g3   g4   g5   g6   g7   g8   g9  g10  g11  g12  g13
50101 50101 22424 1760 10880 7700 1702  240 2880 2752 1452  576 1235 1164  343
50102 50102 13275    0  4770 3740  240  269 1800 1346  720  576    0    0    0
50104 50104  6668  590  7800 6840 1750 2662 2120 1176 2440  780    0    0  480
50105 50105 11740 2245  9520 9600 2599 2655 2560 1483 2360  720    0    0 1050
50107 50107  9190  190  6300 3000 1048  770 1600 1640  672 2076    0    0 1800
50108 50108 11688 1150 10800 3462  930  260  480 1656 1680  720    0    0 1584
       food
50101 55108
50102 26736
50104 33306
50105 46532
50107 28286
50108 34410
> hhfood<-df
```

=== Integrity check with summary ===

☐ Tobacco: g12

```
> table(summary[,64]==df$g12)
TRUE
3912
```

Completely the same!

☐ Food excluding tobacco: food – g12

```
> df$foodextobacco<-df$food-df$g12
> table(summary[,62]==df$foodextobacco)
TRUE
3912
```

Completely the same!

SUMMARY

- **Inkind is consistent! Also, purchased and home production are consistent !**

```
> d3<-subset(d,fg!=12)
> dim(d3)
[1] 250367     16
> inkind<-tapply(d3$QO8,d3$WWWHH,sum)
> table(summary[,74]==inkind)
TRUE
3912

> homeproduct<-tapply(d3$QO2*d3$QO4,d3$WWWHH,sum)
> length(homeproduct)
[1] 3912
> table(summary[,73]==homeproduct)
TRUE
3912

> purchased<-tapply(d3$QO5*d3$QO7,d3$WWWHH,sum)
> length(purchased)
[1] 3912
> table(summary[,72]==purchased)
TRUE
3912
=====================================================
```

✓ Appended weight to hhfood

```
> hhfood$WWW<-substr(hhfood$WWWHH,1,3)
> hhfood<-merge(hhfood, psu, by="WWW", rownames=F)
> head(hhfood)
  WWW WWWHH    g1   g2    g3   g4   g5   g6   g7   g8   g9  g10  g11  g12  g13
1 501 50101 22424 1760 10880 7700 1702  240 2880 2752 1452  576 1235 1164  343
2 501 50102 13275    0  4770 3740  240  269 1800 1346  720  576    0    0    0
3 501 50104  6668  590  7800 6840 1750 2662 2120 1176 2440  780    0    0  480
4 501 50105 11740 2245  9520 9600 2599 2655 2560 1483 2360  720    0    0 1050
5 501 50107  9190  190  6300 3000 1048  770 1600 1640  672 2076    0    0 1800
6 501 50108 11688 1150 10800 3462  930  260  480 1656 1680  720    0    0 1584
   food Team dist ur reg zone strata    hhwt
1 55108   12   46  2   3    2      4 1323.07
2 26736   12   46  2   3    2      4 1323.07
3 33306   12   46  2   3    2      4 1323.07
4 46532   12   46  2   3    2      4 1323.07
5 28286   12   46  2   3    2      4 1323.07
6 34410   12   46  2   3    2      4 1323.07

# Yearly food consumption per household (in 1000 Rupees)
> weighted.mean(hhfood$food,hhfood$hhwt)/1000
[1] 37.80106

# Yearly food consumption per household by strata (in 1000 Rupees)
> t<-by(hhfood,hhfood$strata,function(x) weighted.mean(x$food,x$hhwt))
> t1<-round(as.vector(t)/1000,1)
> names(t1)<-c("Mountains","Kathmandu valley urban","Other Urban Hills",
+ "Rural Hills","Urban Tarai","Rural Tarai")
> t1
             Mountains Kathmandu valley urban      Other Urban Hills
                  38.4                   57.4                   48.2
          Rural Hills            Urban Tarai            Rural Tarai
                  36.8                   39.9                   34.7

# Yearly food consumption per household by food groups (in 1000 Rupees)
> t<-NULL
```

```
> for(j in 1:14) t<-c(t,weighted.mean(hhfood[,j+2],hhfood$hhwt))
> t1<-round(t/1000,1)
> names(t1)<-c("1. Grains & cereals","2. Pulsee & legumes","3. Eggs & milk products","4. Cooking oils",
+ "5. Vegetables","6. Fruits & nuts","7. Fish & meat","8. Spices & condiments","9. Sweets & confectionery",
+ "10. Non-alcoholic beverages","11. Alcoholic beverages","12. Tobacco & tobacco products",
+ "13. Misc. food products","Total food")
> t2<-data.frame(Food.group=names(t1),Consumption=t1,row.names=NULL)
> t2
                      Food.group Consumption
1             1. Grains & cereals        14.2
2             2. Pulsee & legumes         1.8
3         3. Eggs & milk products         4.5
4                 4. Cooking oils         3.1
5                   5. Vegetables         2.8
6                6. Fruits & nuts         1.1
7                  7. Fish & meat         3.1
8          8. Spices & condiments         1.6
9       9. Sweets & confectionery         0.8
10    10. Non-alcoholic beverages         0.4
11        11. Alcoholic beverages         1.3
12 12. Tobacco & tobacco products         0.8
13        13. Misc. food products         2.2
14                     Total food        37.8


# Food consumption excluding tobacco
> t2[14,2]-t2[12,2]
[1] 37
```

8.2 SELECTED NON-FOOD EXPENDITURES

"This component is constructed as the aggregate of the amount purchased or received in-kind for the following selected item codes reported in Section 6 of the questionnaire: Items with codes 211-242 (excluding 211: wood and 236:education), 311, 314-316, 411 & 413.

For non-food items, whose data are collected on the estimated value of both monthly as well as annual consumption, we **first use the monthly reported figure** to construct our measure of annual consumption. It is assumed that household's estimate of expenditure in the past month is likely to be more accurate than the annual estimate. If no consumption of the item is reported in the past month, **the reported annual amount is used instead**.

The consumption of the following items, reported in the Section 6, is not included in the aggregate:

- Expenditure on firewood. (It is difficult to impute the value of collected firewood, because of widespread use of non-metric units).
- Expenditure on education from Section 6 are excluded. We use a more comprehensive data on education expenses from Section 7 (expenditures on schooling plus value of scholarships received).
- Expenditure on repair and maintenance and home construction and improvements, on the grounds that these items are actually investment outlays.
- Expenditure on taxes and fines.
- Expenditure on marriages, dowries, funerals, and other social and religious functions.
- Expenditure on durable goods reported in Section 6 (items 414-428) given its lumpy nature. Instead we value consumption of durable goods by estimating a flow of services accruing to the household from the total stock of durable goods it owns. "

Section 6

XT015: Part A: Frequent non-food expenditures

Code 211-242

21. Fuels

22. Apparel & personal care items

23. Other frequent expenses

Excluding 211: wood and 236: education

XT016: Part B: Infrequent non-food expenditures

Code 311-428

Including the next items;

311: Legal expenses and insurance (life, car, etc.)
314: Postal expenses, telegram, fax, telephone
315: Excursion, holiday, (including travel and lodging)
316: Toy, sports goods
411: Crockery, cutlery and kitchen utensils (household use)
413: Pillows, mattresses, blankets, etc.

XT017: Part C: Inventory of durable goods # Not used
Code: 501-517
XT018: Part D: Own account production # Not used
Code: 601-613

Part A: Frequent non-food expenditures

XT015: household-level
Q02: Amount purchased or received in-kind (past 30 days)
Q03: Amount purchased or received in-kind (past 12 months)

```
> d<-outfiles[[15]]
> head(d)
  WWWHH WWW HH ITM Q01 Q02  Q03
1 50101 501  1 210   1  90 1065
2 50101 501  1 211   1  60  680
3 50101 501  1 212   1  20  260
4 50101 501  1 213   2  NA   NA
5 50101 501  1 214   2  NA   NA
6 50101 501  1 215   1  10  125
> range(d$ITM)
[1] 210 260

# Example of records in the household with WWWHH=50101
> d[d$WWWHH==50101,]
   WWWHH WWW HH ITM Q01 Q02   Q03
1  50101 501  1 210   1  90  1065
2  50101 501  1 211   1  60   680
3  50101 501  1 212   1  20   260
```

4	50101	501	1	213	2	NA	NA
5	50101	501	1	214	2	NA	NA
6	50101	501	1	215	1	10	125
7	50101	501	1	**220**	**1**	**318**	**3581**
8	50101	501	1	221	1	0	60
9	50101	501	1	222	1	0	2000
10	50101	501	1	223	1	0	325
11	50101	501	1	224	1	300	800
12	50101	501	1	225	1	18	216
13	50101	501	1	226	1	0	115
14	50101	501	1	227	1	0	65
15	50101	501	1	228	2	NA	NA
16	50101	501	1	229	2	NA	NA
17	50101	501	1	**230**	**1**	**304**	**3865**
18	50101	501	1	231	2	NA	NA
19	50101	501	1	232	2	NA	NA
20	50101	501	1	233	2	NA	NA
21	50101	501	1	234	2	NA	NA
22	50101	501	1	235	1	0	250
23	50101	501	1	236	1	160	1800
24	50101	501	1	237	1	0	60
25	50101	501	1	238	1	0	35
26	50101	501	1	239	2	NA	NA
27	50101	501	1	241	2	NA	NA
28	50101	501	1	242	1	144	1720
29	50101	501	1	**250**	**1**	**712**	**8511**
30	50101	501	1	260	1	780	10000

✓ XT015 includes the records of sub-total (ITM 210, 220 and 230) and total (250 and 260).

210 Fuels

220 Apparel & personal care items

230 Other frequent expenses

250 Total

✓ ITM 211 and 236 are excluded for computing consumption.

211: wood

236: education

✓ As for annual consumption described in the survey report, the monthly reported figure Q02 is used first. If Q02 is not reported, the reported annual amount Q03 is used instead.

✓ Defined the variable of yearly consumption

```
> d[is.na(d)]<-0
> d$ycon<-ifelse(d$Q02>0,d$Q02*12,d$Q03)
> head(d)
  WWWHH WWW HH ITM Q01 Q02  Q03 ycon
1 50101 501  1 210   1  90 1065 1080
2 50101 501  1 211   1  60  680  720
3 50101 501  1 212   1  20  260  240
4 50101 501  1 213   2   0    0    0
5 50101 501  1 214   2   0    0    0
6 50101 501  1 215   1  10  125  120

> ITM.ex<-c(210,220,230,250,260,211,236)       # Items to be excluded
> d1<-subset(d,!is.element(d$ITM,ITM.ex))
> head(d1)
  WWWHH WWW HH ITM Q01 Q02  Q03 ycon
3 50101 501  1 212   1  20  260  240
4 50101 501  1 213   2   0    0    0
5 50101 501  1 214   2   0    0    0
6 50101 501  1 215   1  10  125  120
8 50101 501  1 221   1   0   60   60
9 50101 501  1 222   1   0 2000 2000
> t<-tapply(d1$ycon,d1$WWWHH,sum)
> length(t)
[1] 3912
> hhxt015<-data.frame(WWWHH=names(t),ycon=t,row.names=NULL)
> head(hhxt015)
  WWWHH  ycon
1 50101  8814
2 50102   488
3 50104 10171
```

```
4 50105 24462
5 50107 13102
6 50108  6058
> table(hhxt015$ycon>=0)
TRUE
3912

# Average yearly consumption of frequent non-food expenditure per household (in 1,000 Rupees)
> round(weighted.mean(hhxt015$ycon,hhfood$hhwt)/1000,1)
[1] 18.2
```

XT016: Part B: Infrequent non-food expenditures

Code 311-428

The next items are used for computing consumption.

311: Legal expenses and insurance (life, car, etc.)

314: Postal expenses, telegram, fax, telephone

315: Excursion, holiday, (including travel and lodging)

316: Toy, sports goods

411: Crockery, cutlery and kitchen utensils (household use)

413: Pillows, mattresses, blankets, etc.

XT016: household-level

Q02: Amount purchased or received in-kind (12 months)

```
> d<-outfiles[[16]]
> dim(d)
[1] 144744      6
> head(d)
  WWWHH WWW HH ITM Q01 Q02
1 50101 501  1 310   1  12
2 50101 501  1 311   2  NA
3 50101 501  1 312   1  12
4 50101 501  1 313   2  NA
5 50101 501  1 314   2  NA
6 50101 501  1 315   2  NA
> range(d$ITM)
[1] 310 428

> d[is.na(d)]<-0
> ITM.include<-c(311,314:316,411,413)
> d1<-subset(d,is.element(d$ITM,ITM.include))
> dim(d1)
[1] 23472     6
> head(d1)
   WWWHH WWW HH ITM Q01 Q02
2  50101 501  1 311   2   0
5  50101 501  1 314   2   0
```

```
6  50101 501  1 315   2   0
7  50101 501  1 316   2   0
21 50101 501  1 411   2   0
23 50101 501  1 413   2   0
> t<-tapply(d1$QO2,d1$WWWHH,sum)
> length(t)
[1] 3912
> hhxt016<-data.frame(WWWHH=names(t),ycon=t,row.names=NULL)
> head(hhxt016)
  WWWHH ycon
1 50101    0
2 50102  800
3 50104  175
4 50105 1100
5 50107    0
6 50108 2060
> table(hhxt016$ycon>=0)
TRUE
3912

# Average yearly consumption of infrequent non-food expenditure per household (in 1,000 Rupees)
> round(weighted.mean(hhxt016$ycon,hhfood$hhwt)/1000,1)
[1] 1.1
```

=== Integrity check ===

- **Non-food is consistent between summary and micro data files. That is, the sum of c2_nfood and c2_fuel in data frame summary is equal to the sum of frequent non-food expenditure (xt015) and infrequent non-food expenditure (xt016).**

```
> table((summary$c2_nfood+summary$c2_fuel)==(hhxt015$ycon+hhxt016$ycon))
TRUE
3912
```

8.3 EDUCATION

✓ According to the survey report," For each person of the household, we generate total annual amount spent on education including the value of received scholarship (if any). This is then aggregated at the household level".

Section 7, Part C

XT021: individual-level

Q07: Total expenditure for schooling (12 months)

Q09: Scholarship received (12 months)

```
> d<-outfiles[[21]]
> dim(d)
[1] 5554   14
> head(d)
  WWWHH WWW HH IDC Q01 Q02 Q03 Q04 Q05 Q06A Q06B  Q07 Q08 Q09
1 50101 501  1   3   1   2   4  NA   1    0   15  300   2  NA
2 50101 501  1   5   1   5   8  NA   1    0   15  500   2  NA
3 50102 501  2   2   1   1   0  NA   1    0   25  200   2  NA
4 50104 501  4   2   1   1   0  NA   1    0    2    7   2  NA
5 50105 501  5   2   1   7   6   7   1    1   45 1120   2  NA
6 50105 501  5   3   1   1   0  NA   1    0    5   80   2  NA
> d[is.na(d)]<-0
> d$ycon<-d$Q07+d$Q09
> head(d[d$Q09>0,])
    WWWHH WWW HH IDC Q01 Q02 Q03 Q04 Q05 Q06A Q06B Q07 Q08  Q09 ycon
24  50202 502  2   5   1   3   3   0   1    0   45 300   1  250  550
27  50205 502  5   3   1   3   3   0   1    0    5 750   1  250 1000
41  50211 502 11   7   1   4   5   0   1    0   40 450   1  250  700
50  50217 502 17   4   1   3   3   0   1    0   30 300   1  250  550
62  50313 503 13   3   1   4   4   0   1    1    0 300   1  100  400
107 50613 506 13   3   2   9   5   9   1    0   30   0   1 3000 3000
```

✓ Generated household-level data frame

```
> t<-tapply(d$ycon,d$WWWHH,sum)
> length(t)
[1] 2592
```

```
> hhxt021<-data.frame(WWWHH=names(t),ycon=t,row.names=NULL)
> head(hhxt021)
  WWWHH ycon
1 50101  800
2 50102  200
3 50104    7
4 50105 1200
5 50107  500
6 50110 1200
> table(hhxt021$ycon>=0)
TRUE
2592

> hhxt021<-merge(hhxt021,hhfood[,c("WWWHH","hhwt")],by="WWWHH",all.y=T)
> dim(hhxt021)
[1] 3912    3
> hhxt021[is.na(hhxt021)]<-0

# Average yearly consumption of education per household (in 1,000 Rupees)
> round(weighted.mean(hhxt021$ycon,hhxt021$hhwt)/1000,1)
[1] 3.6
```

=== Integrity check ===

- **Education is consistent between summary and micro data file (xt021).**

```
> table(hhxt021$ycon==summary$c2_educatn)
TRUE
3912
```

8.4 DURABLE GOODS

"This estimate of consumption of durable goods is based on data collected in Section 6C, and is calculated as follows:

1. For each durable good, its purchase price is expressed in current prices based on information on the number of years ago this item is acquired, and the rate of inflation in the country over the past few years. In cases where more than one item is owned by the household the purchase price in current prices for all such items is assumed to be the same as this value.

2. The cumulative depreciation for the item is calculated as the fraction of the decline in value of the durable item(s) (the difference between the purchased value of the item(s) and the current value of the item(s)) to the purchased value of the item(s). In other words, this depreciation of the item is the fraction of value that the item lost over the whole period.

3. The annual depreciation rate for the item is calculated from the cumulative depreciation rate, as the fraction of value that is lost during each year. Then, the median of this depreciation is calculated for each type of durable good to obtain an item-specific depreciation rate (i.e. one for bicycles, one for fans, etc.).

4. Next, the measure of consumption of durables is obtained by applying the rate of depreciation to the current value of the item(s) owned by the household. The flows of service imputed in such a way is aggregated for all durable goods owned by each household."

```
Section 6C
XT017: household-level
# ITM: Item code (501-517)
# Q02: No. of item
# Q03: Years ago acquired
# Q05: Worth when acquired
# Q06: Current value

> d<-outfiles[[17]]
> dim(d)
[1] 66505    10
> d[d$WWWHH==50101,]
   WWWHH WWW HH ITM Q01 Q02 Q03 Q04 Q05  Q06
1  50101 501  1 501   2  NA  NA  NA  NA   NA
```

```
2  50101 501  1 502   2  NA  NA  NA  NA   NA
3  50101 501  1 503   2  NA  NA  NA  NA   NA
4  50101 501  1 504   2  NA  NA  NA  NA   NA
5  50101 501  1 505   2  NA  NA  NA  NA   NA
6  50101 501  1 506   2  NA  NA  NA  NA   NA
7  50101 501  1 507   2  NA  NA  NA  NA   NA
8  50101 501  1 508   2  NA  NA  NA  NA   NA
9  50101 501  1 509   2  NA  NA  NA  NA   NA
10 50101 501  1 510   2  NA  NA  NA  NA   NA
11 50101 501  1 511   2  NA  NA  NA  NA   NA
12 50101 501  1 512   2  NA  NA  NA  NA   NA
13 50101 501  1 513   2  NA  NA  NA  NA   NA
14 50101 501  1 514   2  NA  NA  NA  NA   NA
15 50101 501  1 515   1  NA  NA  NA  NA  800
16 50101 501  1 516   1  NA  NA  NA  NA 5000
17 50101 501  1 517   2  NA  NA  NA  NA   NA
> range(d$ITM)
[1]  50 517
> table(d$ITM)

  50  501  502  503  504  505  506  507  508  509  510  511  512  513  514  515
   1 3912 3912 3912 3912 3912 3912 3912 3912 3912 3912 3912 3912 3912 3912 3912
 516  517
3912 3912
```

✓ Dropped the record with ITM=50. (Errors)

```
> d<-d[d$ITM!=50,]
> dim(d)
[1] 66504    10
```

```
# Number of sample households owing the following items
> d1<-subset(d,Q01==1)
> table(d1$ITM)
 501  502  503  504  505  506  507  508  509  510  511  512  513  514  515  516  517
2410  386 1172  232   28  229   33  790  106 1118   52  386  372 3044 3764 3473   79
```

```
# Average number of years ago acquired by item
> t<-tapply(d1$Q03,d1$ITM,mean,na.rm=T)
> round(t,1)
501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517
4.0 4.9 3.7 4.1 4.5 5.9 6.1 4.7 5.0 4.6 9.4 4.0 8.7 NaN NaN NaN 2.7

# Number of sample households with both data of Q05 and Q06
> d2<-subset(d1,!is.na(d1$Q05)&!is.na(d1$Q06))
> dim(d2)
[1] 7390   10
> table(d2$ITM)
 501  502  503  504  505  506  507  508  509  510  511  512  513  517
2409  386 1172  232   28  229   33  790  106 1118   52  386  370   79

# Average ratio of (Q06/Q02) to Q05 (at current price)
> t<-tapply(d2$Q06/d2$Q02/d2$Q05,d2$ITM,mean,na.rm=T)
> round(t,2)
 501  502  503  504  505  506  507  508  509  510  511  512  513  517
0.94 0.84 0.69 0.78 0.74 0.71 1.05 1.22 0.71 1.13 1.03 1.02 1.05 0.74


> t<-tapply(d2$Q06/d2$Q02/d2$Q05,d2$ITM,mean,na.rm=T)
```

- The method of evaluating consumption of durable goods applied for the survey report is obtained by multiplying the depreciation rate and the current value of the item.
- Item-specific depreciation rate is obtained as the median of the annual depreciation rate calculated from the micro data.
- As for the inflation rate, the average inflation rate during 2000-2003 was applied, because the price data of Village survey is not available.

h	Household	WWWHH
i	Item	ITM
V1hi	Value when acquired (at current price)	Q05
Yhi	Years ago acquired	Q03 + 1

Phi	Recent inflation rate	The average inflation rate in Nepal during 1997-2002 (1.056)
V2hi	Current value	Q06/Q02
Annual depreciation rate = (V2hi/V1hi)^(1/Yhi)/Phi		

```
> d3<-subset(d1,!is.na(d1$Q05)&!is.na(d1$Q06)&!is.na(d1$Q02)&!is.na(d1$Q03))
> dim(d3)
[1] 7390   10
> d3$depr<-(d3$Q06/d3$Q02/d3$Q05)^(1/(d3$Q03+1))/1.056
> range(d3$depr)
[1] 0.000000 5.989162
```

✓ Computed the annual depreciation rate by item

```
> t<-tapply(d3$depr,d3$ITM,median)
> round(t,3)
  501   502   503   504   505   506   507   508   509   510   511   512   513   517
0.823 0.875 0.813 0.864 0.890 0.880 0.879 0.844 0.844 0.866 0.886 0.833 0.895 0.855
```

✓ For items 514 to 516, no depreciation is assumed, that is, there is no consumption of durable goods.

```
> dep<-c(t,1,1,1)
> names(dep)[15:17]<-514:516
> dep<-dep[order(names(dep))]
> dep
      501       502       503       504       505       506       507       508       509
0.8233350 0.8748734 0.8128544 0.8639063 0.8903513 0.8796694 0.8791490 0.8436541 0.8436541
      510       511       512       513       514       515       516       517
0.8661870 0.8862872 0.8325994 0.8947181 1.0000000 1.0000000 1.0000000 0.8550004
> dep.rate<-data.frame(ITM=names(dep),avdep=dep,row.names=NULL)
> dep.rate
   ITM     avdep
1  501 0.8233350
2  502 0.8748734
3  503 0.8128544
4  504 0.8639063
```

```
5  505 0.8903513
6  506 0.8796694
7  507 0.8791490
8  508 0.8436541
9  509 0.8436541
10 510 0.8661870
11 511 0.8862872
12 512 0.8325994
13 513 0.8947181
14 514 1.0000000
15 515 1.0000000
16 516 1.0000000
17 517 0.8550004
```

✓ Appended the depreciation rate to d3

```
> d4<-merge(d3,dep.rate,by="ITM",all.x=T)
> dim(d4)
[1] 7390   12
> head(d4)
  ITM WWWHH WWW HH Q01 Q02 Q03 Q04  Q05  Q06      depr    avdep
1 501 50104 501  4   1   1   1   1  540  540 0.9469697 0.823335
2 501 50105 501  5   1   2   2   1 2600 2800 0.7704083 0.823335
3 501 50108 501  8   1   1   2   1 3000 2000 0.8272542 0.823335
4 501 50110 501 10   1   1   5   1 1500 1000 0.8850902 0.823335
5 501 50113 501 13   1   1   6   1  960  300 0.8019953 0.823335
6 501 75707 757  7   1   1   0   1 1100  900 0.7747934 0.823335
```

✓ Generate the variable of consumption of durable goods

```
> d4$ycon<-round(d4$Q06*(1-d4$avdep))
> head(d4)
  ITM WWWHH WWW HH Q01 Q02 Q03 Q04  Q05  Q06      depr    avdep ycon
1 501 50104 501  4   1   1   1   1  540  540 0.9469697 0.823335   95
2 501 50105 501  5   1   2   2   1 2600 2800 0.7704083 0.823335  495
3 501 50108 501  8   1   1   2   1 3000 2000 0.8272542 0.823335  353
4 501 50110 501 10   1   1   5   1 1500 1000 0.8850902 0.823335  177
5 501 50113 501 13   1   1   6   1  960  300 0.8019953 0.823335   53
```

```
6 501 75707 757  7   1   1   0   1 1100  900 0.7747934 0.823335  159
```

✓ Generated household-level data frame of yearly consumption of durable goods

```
> t<-tapply(d4$ycon,d4$WWWHH,sum)
> length(t)
[1] 2970
> head(t)
50104 50105 50108 50110 50113 50201
   95   495   353   177   303   106
> df<-data.frame(WWWHH=names(t),ycon=t,row.names=NULL)
> head(df)
  WWWHH ycon
1 50104   95
2 50105  495
3 50108  353
4 50110  177
5 50113  303
6 50201  106
> hhxt017<-merge(hhfood[,c("WWWHH","hhwt")],df,by="WWWHH",all.x=T)
> dim(hhxt017)
[1] 3912    3
> head(hhxt017)
  WWWHH    hhwt ycon
1 50101 1323.07   NA
2 50102 1323.07   NA
3 50104 1323.07   95
4 50105 1323.07  495
5 50107 1323.07   NA
6 50108 1323.07  353
> hhxt017[is.na(hhxt017)]<-0

# Average yearly consumption of durable goods
> round(weighted.mean(hhxt017$ycon,hhxt017$hhwt)/1000,1)
[1] 1.3
```

8.5 HOUSING

"The estimate of the annual value of consumption of housing services is based on data on the rental values of dwellings reported in Section 2B: "Housing Expenses".
For households renting their dwelling, the value of consumption of housing services is taken to be the annual rent paid by them.
For households that own their dwelling units, consumption of housing is taken to be the annual rent that they report they would have had to pay for their dwelling.

However, for a small fraction of the sample (184 out of 3912), households owning their dwelling are unable to provide a credible estimate of a rental value for their home.
In such cases, we impute a rental value for the dwelling by estimating a hedonic housing regression on the sample of households reporting non-zero rents. The regression is estimated for the logarithm of the rent for apartments with less then 8 rooms, excluding observations with extreme values for the rent.[6]
The set of explanatory variables included a wide range of housing characteristics[7],

1. measures of the quality of housing:
    - log of the dwelling size,
    - dummies for the number of rooms,
    - dummy for the presence of the kitchen,
    - dummy for the concrete/cement walls,
    - dummy for the stone/cement floor,
    - dummy for the presence of the windows,
    - dummy for the piped water and dummy for the underground sewage,
    - dummy for the organized garbage collection,
    - dummy for the municipal sewage,
    - dummy for the electricity lighting,
    - dummy for the presence of the telephone
2. other factors that help predict the rental value of the dwelling:
    - logarithm of the value of household assets,
    - regional dummies,
    - dummy for the presence of the paved roads next to the household

This model is then used to predict the rental value for those households in the sample with missing or zero reported rents. A smearing correction is done to account for the fact that our dependent variable, rent, in our regression model is logarithmic and predicted value of the rent needs to include exponential of the error term in the regression."

XT007: Housing expenses

Q01: Dwelling owned by you? 1=Yes, 2=No

Q03: Imputed rent (1M)

Q08: Rent paid (1M)

According to the survey report, the annual value of consumption of housing services is as follows;

Type of Household	Conditions	No of sample households	Annual value of consumption
Households renting their dwelling	Q01==2	441	Annual rent paid by them Q08*12
Households that own their dwelling units	Q01==1	3,471	Annual rent that they report they would have had to pay for their dwelling Q03*12
Of which, unable to provide a credible estimates of a rental value for their home	Q03 is missing or reported as zero.	184(?)	Predicted the rental value using the hedonic housing regression model, estimated from the sample households reporting non-zero rents.

```
> d<-outfiles[[7]]
> dim(d)
[1] 3912   11
> head(d)
  WWWHH WWW HH Q01    Q02 Q03 Q04 Q05 Q06 Q07 Q08
1 50101 501  1   1  60000 350   2  NA  NA  NA  NA
2 50102 501  2   1  22000 200   2  NA  NA  NA  NA
3 50104 501  4   1 100000 400   2  NA  NA  NA  NA
4 50105 501  5   1 185000 200   2  NA  NA  NA  NA
5 50107 501  7   1  35000 400   2  NA  NA  NA  NA
6 50108 501  8   1 100000 600   2  NA  NA  NA  NA
> head(d[d$Q01==2,])
   WWWHH WWW HH Q01 Q02 Q03 Q04 Q05 Q06  Q07  Q08
62 50602 506  2   2  NA  NA  NA  NA   1   NA  500
```

```
68 50613 506 13   2  NA  NA  NA  NA   1   NA 1300
71 50617 506 17   2  NA  NA  NA  NA   1   NA 2500
72 50618 506 18   2  NA  NA  NA  NA   1   NA 1000
86 50803 508  3   2  NA  NA  NA  NA   2 2000   NA
87 50804 508  4   2  NA  NA  NA  NA   1   NA 1000
> addmargins(table(d$Q01))
   1    2  Sum
3471  441 3912
```

✓ **Out of 441 households renting their dwellings, 125 households did not reported the rent paid. The range of the reported rents is from 50 to 8,000.**

```
> d1<-subset(d,Q01==2)
> addmargins(table(is.na(d1$Q08),useNA="ifany"))
FALSE  TRUE   Sum
  316   125   441
> summary(d1$Q08)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.    NA's
   50.0   587.5  1000.0  1384.0  1600.0  8000.0     125
```

✓ **For 3,471 households that own their dwelling units, 125 households reported the zero imputed rent.**

```
> d1<-subset(d,Q01==1)
> addmargins(table(is.na(d1$Q03),useNA="ifany"))
FALSE   Sum
 3471  3471
> summary(d1$Q03)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
      0     100     250    1588    1000  150000
> addmargins(table(d1$Q03==0,useNA="ifany"))
FALSE  TRUE   Sum
 3300   171  3471
> addmargins(table(d1$Q03>0&d1$Q03<25,useNA="ifany"))
FALSE  TRUE   Sum
```

```
 3405    66  3471
> addmargins(table(d1$Q03>25000,useNA="ifany"))
FALSE  TRUE   Sum
 3452    19  3471
```

Remarks:

The survey report describes "…, for a small fraction of the sample (184 out of 3912), …"

However, the details of 184 sample households are not clear.

✓ Generated household-level data frame of yearly consumption of housing

```
> d[is.na(d)]<-0
> d$ycon<-ifelse(d$Q01==2,d$Q08*12,0)
> head(d[d$Q01==2,])
   WWWHH WWW HH Q01 Q02 Q03 Q04 Q05 Q06  Q07  Q08  ycon
62 50602 506  2   2   0   0   0   0   1    0  500  6000
68 50613 506 13   2   0   0   0   0   1    0 1300 15600
71 50617 506 17   2   0   0   0   0   1    0 2500 30000
72 50618 506 18   2   0   0   0   0   1    0 1000 12000
86 50803 508  3   2   0   0   0   0   2 2000    0     0
87 50804 508  4   2   0   0   0   0   1    0 1000 12000
> d$ycon<-ifelse(d$Q01==1,d$Q03*12,d$ycon)
> head(d)
  WWWHH WWW HH Q01    Q02 Q03 Q04 Q05 Q06 Q07 Q08 ycon
1 50101 501  1   1  60000 350   2   0   0   0   0 4200
2 50102 501  2   1  22000 200   2   0   0   0   0 2400
3 50104 501  4   1 100000 400   2   0   0   0   0 4800
4 50105 501  5   1 185000 200   2   0   0   0   0 2400
5 50107 501  7   1  35000 400   2   0   0   0   0 4800
6 50108 501  8   1 100000 600   2   0   0   0   0 7200
> table(d$WWWHH==hhfood$WWWHH)
TRUE
3912
> hhxt007<-data.frame(hhfood[,c("WWWHH","hhwt")],ycon=d[,"ycon"],row.names=NULL)
> dim(hhxt007)
```

```
[1] 3912    3
> head(hhxt007)
  WWWHH    hhwt ycon
1 50101 1323.07 4200
2 50102 1323.07 2400
3 50104 1323.07 4800
4 50105 1323.07 2400
5 50107 1323.07 4800
6 50108 1323.07 7200

# Average yearly consumption of housing per household (in 1,000 Rupees)
> round(weighted.mean(hhxt007$ycon,hhxt007$hhwt)/1000,1)
[1] 12.4
```

Note: Here, the imputation using hedonic housing regression model is yet used.

8.6 UTILITIES

"This component includes expenditure on garbage collection, electricity, and telephone charges reported in Section 2 of the questionnaire. As in NLSS I, we chose to exclude expenditure on water because our concerns regarding rationing of water supply in the country led us to believe that inclusion of this expenditure is likely to bias our welfare rankings."

```
Section 2, Part C: Utilities and amenities
XT008
# Q03 Amount paid for water                    # Not used
# Q06 Amount paid for garbage disposal (12M)
XT009
# Q10 Amount paid for electricity (12M)
# Q12 Amount paid for telephone, etc. (12M)

XT008: Household-level file
> d<-outfiles[[8]]
> dim(d)
[1] 3912   10
> head(d)
  WWWHH WWW HH Q01 Q02 Q03 Q04 Q05 Q06 Q07
1 50101 501  1   4  NA   0   4   5  NA   5
2 50102 501  2   3  NA   0   4   5  NA   5
3 50104 501  4   1   1   0   4   3  NA   5
4 50105 501  5   1   2   0   4   3  NA   5
5 50107 501  7   1   2   0   4   5  NA   5
6 50108 501  8   1   2   0   4   5  NA   5
> table(d$WWWHH==hhfood$WWWHH)
TRUE
3912
> d[is.na(d)]<-0
> garbage<-d$Q06
> table(garbage>0)
FALSE  TRUE
 3718   194
```

```
XT009
> d<-outfiles[[9]]
> dim(d)
[1] 3912   15
> head(d)
  WWWHH WWW HH Q08 Q09 Q10 Q11A Q11B Q11C Q11D Q11E Q11F Q12 Q13 Q14
1 50101 501  1   2  NA  NA    2    2    2    2    2    2  NA   1   1
2 50102 501  2   2  NA  NA    2    2    2    2    2    2  NA   1   1
3 50104 501  4   2  NA  NA    2    2    2    2    2    2  NA   1   3
4 50105 501  5   2  NA  NA    2    2    2    2    2    2  NA   1   3
5 50107 501  7   2  NA  NA    2    2    2    2    2    2  NA   1   1
6 50108 501  8   2  NA  NA    2    2    2    2    2    2  NA   1   1
> table(d$WWWHH==hhfood$WWWHH)
TRUE
3912
> d[is.na(d)]<-0
> electricity<-d$Q10
> telephone<-d$Q12
> table(electricity>0)
FALSE  TRUE
 2385  1527
> table(telephone>0)
FALSE  TRUE
 3355   557

> hhutility<-data.frame(hhfood[,c("WWWHH","hhwt")],garbage,electricity,telephone)
> dim(hhutility)
[1] 3912    5
> head(hhutility)
  WWWHH    hhwt garbage electricity telephone
1 50101 1323.07       0           0         0
2 50102 1323.07       0           0         0
3 50104 1323.07       0           0         0
4 50105 1323.07       0           0         0
5 50107 1323.07       0           0         0
```

```
6 50108 1323.07       0           0          0
```

```
> hhutility$total<-rowSums(hhutility[,3:5])
> head(hhutility[hhutility$total>0,])
   WWWHH    hhwt garbage electricity telephone total
37 50401 1432.48       0         960         0   960
38 50402 1432.48       0        1000         0  1000
39 50404 1432.48       0        2100         0  2100
40 50405 1432.48       0        1200         0  1200
41 50407 1432.48       0        1680      3600  5280
42 50408 1432.48       0         700         0   700
```

```
# Average yearly consumption of utility per household (in 1,000 Rupees)
> round(weighted.mean(hhutility$total,hhutility$hhwt)/1000,1)
[1] 1.6
```

Household-level files generated

Consumption group	Original data file	Household-level file generated	Variable of yearly consumption
Total consumption	—	—	
Food	XT013	hhfood	food – g12
Non-food	—	—	
Tobacco	XT013	hhfood	g12
Selected non-food	—	—	
Frequent	XT015	hhxt015	ycon
Infrequent	XT016	hhxt016	ycon
Education	XT021	hhxt021	ycon
Durable goods	XT017	hhxt017	ycon
Housing	XT007	hhxt007	ycon
Utilities	XT008, XT009	hhutility	total

Chapter 9. Income

Disaggregation of total household income

- The variables from No. 139 to No. 168 in the file "c2_nlssdata" are subgroups of household income and related items.

139	**c2_hhtotinc**	**household total income**
140	**c2_npctotinc**	**household p.c. income**
141	c2_r95pctotinc	p.c. totinc in rs. of R.E.T 95
142	c2_r95pcfarminc	p.c. farminc in rs. of R.E.T 95
143	c2_r95pcwageinc	p.c. wageinc in rs. of R.E.T 95
144	c2_r95pcremit~c	p.c. remitinc in rs. of R.E.T 95
145	c2_r95pcentrp~c	p.c. entrpinc in rs. of R.E.T 95
146	c2_r95pcpropinc	p.c. propinc in rs. of R.E.T 95
147	c2_r95pchousinc	p.c. housinc in rs. of R.E.T 95
148	c2_r95pcothinc	p.c. othinc in rs. of R.E.T 95
149	c2_farminc_shr	share of farminc in total income
150	c2_wageinc_shr	share of wageinc in total income
151	c2_agwageinc_~r	share of agwageinc in total income
152	c2_nagwageinc~r	share of nagwageinc in total income
153	c2_entrpinc_shr	share of entrpinc in total income
154	c2_propinc_shr	share of propinc in total income
155	c2_remitinc_shr	share of remitinc in total income
156	c2_housinc_shr	share of housinc in total income
157	c2_othinc_shr	share of othinc in total income
158	c2_nofarminc	hh with no income coming from farminc
159	c2_nowageinc	hh with no income coming from wageinc
160	c2_noagwageinc	hh with no income coming from agwageinc
161	c2_nonagwageinc	hh with no income coming from nagwageinc
162	c2_noentrpinc	hh with no income coming from entrpinc
163	c2_nopropinc	hh with no income coming from propinc
164	c2_noremitinc	hh with no income coming from remitinc
165	c2_nohousinc	hh with no income coming from housinc
166	c2_noothinc	hh with no income coming from othinc
167	c2_rpcinc_qui~e	5 quantiles of c2_rpctotinc
168	c2_rpcinc_qua~e	4 quantiles of c2_rpctotinc

(Problems faced)

- Income data was provided by source of income at crop, person or household level.
- Aggregated income data at household level was not available in the provided micro data set.
- Outline of construction of income aggregate is described in the survey report, but there are some unclear points.
- The most difficulty is to estimate the value of production for own consumption, which needs the imputed-price for the item in the specified volume unit.

9.1 FARM INCOME (Yet completed!)

Items to add	Items to deduct
Value of total crop production (net of share paid to landlord) Value of by-product production Net income from renting farm assets (draft animal, tractor, thresher etc.)	Cultivation costs (seeds, fertilizers, hired labour, irrigation etc.)
Value of sales from non-crop farm production (milk, ghee, eggs etc.) Earning from the sale of livestock	Fodder and other livestock expenditure (veterinary services) Expenditure for the purchase of livestock
Value of home -produced non-crop consumption	
Total cash and in-kind received from tenants on land leased-out	Cash rent paid to landlord on land leased-in

The survey report describes as follows;

"***Crop income****:* The gross values of crops harvested are calculated from section 11.B of the questionnaire, which provides information on **quantity harvested**, **quantity sold** and **unit selling price** for each crop. This calculation involves the following steps:

- The unit selling price (xt041$Q04C) reported by the household is used to valuate the crop harvested. But cases where all of harvested quantity is sold are only a few. In most records, either a small share or none of the harvested amount is sold in the market. This necessitates price imputations for most harvested crop.

- Price is imputed by taking the average price for each crop at progressively higher levels of aggregation. There are four such levels: ward, district, region and country. Missing prices are first replaced with ward means (of those reported prices at household level). Actual unit prices and ward-level imputed prices cover one-third of all records. District level imputation values the next 23 percent of all records. Third level of imputation is the group[1] and the final level the national average. 98 percent of valuations are done by this procedure.

- For the remaining 2 percent of records, conversion factor is used and in cases where prevailing conversion factor is not available they are dealt with by making a few ad-hoc adjustments.[2] Imputation of missing prices for fodder tree, bamboo and other trees turned out to be problematic. With no plausible options available, such cases were dropped.[3]

For those households who are renting-in land (xt038$Q03=2), the in-kind payment to their land-lord (xt041$Q03C) is deducted from the total harvested quantity (xt041$Q03B). The harvested values (net of in-kind rent payment to landlord) are aggregated across all crops for each household to obtain a household-level income from gross agricultural output per farming household.

The gross agricultural output value is combined with other agriculture earnings and expenditures data (from section 11.D) on income from selling of agriculture by-product and renting out of draft animal, tractor, thresher, other machinery and expenditures on seeds, fertilizers, hired labor, irrigation, and renting in of above items. Total crop income thus is gross agricultural output plus net income from section 11.D.

***Income from livestock**:* Section 11.E1 and 11.E2 give information on livestock. Purchase and sale of cows, buffaloes, goats, yaks, poultry is combined with earnings from selling of milk, ghee, eggs, curd, meat and expenditures on animal feed, transportation of feed, veterinary services. Income from livestock is then calculated as total value of sold livestock minus total value of purchased livestock plus net income in from livestock byproduct.

Consumption of home produced non-crop goods: Section 5 has information on food expenses and home products. Several home produced non-crop goods - eggs, milk, ghee, fish, mutton, buffalo meat, chicken and other meat - have been aggregated to obtain a value of home produced non-crop consumption.

***Land rent income**:* Section 11.A1 provides information on cash and in-kind received from renting-

out cultivation land to a tenant, while section 11.A2 has information on rent paid in cash (in-kind payment has already been deducted from gross agricultural output) to a landlord for renting-in land for crop cultivation. Net income from these two sections is then added to household's aggregate farm income."

CROP PRODUCTION

- Questionnaire form for crop production

SECTION 11. FARMING AND LIVESTOCK PART B — PRODUCTION AND USES

1. In the past AGRICULTURE YEAR, what crops did you grow? LIST ALL CROPS GROWN BY HOUSEHOLD FIRST BEFORE ASKING Q. 2 - 4.	CROP CODE	2. Did you use an improved variety of seed? YES ..... 1 NO 2	3. Please provide the following information related to quantity of ..[CROP].. produced by your household, as well as the various uses to which it was put: USE QUANTITY CODES LISTED AT END OF THE QUESTIONNAIRE IN COLUMN "A" FOR THE QUANTITY OF PRODUCTION			
			A. UNIT	B. TOTAL QUANTITY HARVESTED	C. QUANTITY GIVEN TO LANDLORD	D. QUANTITY SOLD (OR EXPECTED TO SELL)

4. Report the total quantity and value of ...[CROP]...sold. IF CROP NOT SOLD, WRITE ZERO IN TOAL SALES COLUMN AND LEAVE THE OTHERS BLANK			
A. UNIT	B. TOTAL QUANTITY SOLD	C. PRICE PER UNIT RUPEES	D. TOTAL SALES (B×C) RUPEES

- Code of quantity for Q03B and Q04B includes local unit as follows.

ANNEX 9

QUANTITY CODES

KILOGRAM 01

GRAM 02

MAUND 03

LITRE 04

MURI 05

PATHI 06

MANA 07

KURUWA 08

NUMBER/PIECES 09

DOZEN 10

- Definition of local unit and conversion table

Accordint to “Survey design and implimentation”;

Converting Nepali weight units into Kgs

The following formula should be used to convert weight units from local units into kilograms.

1 maund = 37324 grams = 37.3 kg
1 muri = 72000 grams = 72 kg.

Converting Nepali volume units into liters

The following formula should be used to convert volume units from local units into liters.

1 Manna = 0.568 L = 568 ml.
1 Pathi = 8 Mannas = 4.544 L
1 Kuruwa = 1.2 Manna = 0.682 L = 682 ml.

Conversion table to Kg, ℓ and piece

Code	Quantity unit	Conversion coefficient
Weight		
01	Kg	1
02	g	0.001
03	Maund	37.3
05	Muri	72
Volume		
04	ℓ	1
06	Pathi	4.554
07	Mana	0.568
08	Kuruwa	0.682
Number		

09	Number/pieces	1
10	Dozen	12

Data file of crop production

XT041: Section 11B

Unit: Household (WWWHH) and crop (CCD)

Q03A: Quantity unit used (Annex 9 of the questionnaire)

Q03B: Total quantity harvested

Q04A: Quantity unit used

Q04B: Quantity amount actually sold

Q04C: Price per unit

Q04D: Total sales = Q04B * Q04C

```
> d<-outfiles[[41]]
> dim(d)
[1] 27023    13
> head(d)
  WWWHH WWW HH CCD Q02 Q03A Q03B Q03C Q03D Q04A Q04B Q04C Q04D
1 50101 501  1   4   2    6   12    0    0   NA    0    0    0
2 50101 501  1   6   2    6  120    0    0   NA    0    0    0
3 50101 501  1   8   2    6   32   16    0   NA    0    0    0
4 50101 501  1  21   2    6   10    0    0   NA    0    0    0
5 50101 501  1  64   2    1  400    0    0   NA    0    0    0
6 50102 501  2   4   2    6   10    0    0   NA    0    0    0
```

- Regarding quantity harvested, drop the following records;
  1) Either Q03A(unit) or Q03B(quantity) is NA.
  2) Q03B=0

```
> addmargins(table(is.na(d$Q03A),is.na(d$Q03B)))
        Q03B
Q03A    FALSE  TRUE   Sum
  FALSE 27017     0 27017
  TRUE      4     2     6
```

```
  Sum   27021     2 27023

> d<-subset(d,!is.na(d$Q03A)&!is.na(d$Q03B))
> dim(d)
[1] 27017    13

> addmargins(table(d$Q03B==0))
FALSE  TRUE   Sum
26893   124 27017

> d<-subset(d,Q03B>0)
> dim(d)
[1] 26893    13
```

- Unit selling price is usable only if neither Q04A(unit) nor Q04C(price) is NA.

```
> addmargins(table(is.na(d$Q04A),is.na(d$Q04C)))
       Q04C
Q04A    FALSE  TRUE   Sum
  FALSE  3416     0  3416
  TRUE  16306  7171 23477
  Sum   19722  7171 26893

# Defined the variable of usability of price data
> d$price.use<-ifelse(!is.na(d$Q04A)&!is.na(d$Q04C),1,0)
> addmargins(table(d$price.use,useNA="ifany"))
    0     1   Sum
23477  3416 26893
```

- Comparison of unit between quantity harvested (Q03A) and selling price (Q04A) shows that both units are same in 3,384 records, while those are different in 33 records.

```
> d2<-subset(d,price.use==1)
> dim(d2)
```

```
[1] 3416   14
> addmargins(table(d2$Q04A==d2$Q03A))
FALSE  TRUE   Sum
   33  3383  3416

# Displayed the above 33 records.
> d2[d2$Q04A!=d2$Q03A,1:13]
```

	WWWHH	WWW	HH	CCD	Q02	Q03A	Q03B	Q03C	Q03D	Q04A	Q04B	Q04C	Q04D
2846	53608	536	8	6	1	5	10	0	10.0	6	10	30	300
3334	54402	544	2	27	2	3	2	0	1.0	1	12	32	384
3530	55007	550	7	27	2	3	1	0	0.0	1	10	24	240
3531	55007	550	7	29	2	3	1	0	0.0	1	10	24	240
3722	55208	552	8	2	2	1	30	0	15.0	3	15	350	5250
5119	57204	572	4	4	2	5	4	0	0.0	6	5	40	200
7039	59411	594	11	6	2	5	2	0	0.5	6	10	48	480
7602	59908	599	8	9	2	5	2	0	2.0	6	2	30	60
8197	60717	607	17	35	2	1	200	0	200.0	3	200	16	3200
10690	64302	643	2	7	2	5	60	0	30.0	6	30	30	900
11549	65415	654	15	2	2	5	35	0	400.0	1	400	10	4000
11704	65606	656	6	48	2	1	100	0	3.0	3	3	200	600
11753	65614	656	14	6	2	5	18	0	5.0	6	5	50	250
12623	66614	666	14	15	2	5	14	6	7.0	1	400	34	13600
12653	66617	666	17	15	2	5	6	2	2.0	1	130	25	3250
12884	67010	670	10	4	2	3	16	0	2.5	1	100	11	1100
12979	67111	671	11	6	2	5	3	0	3.0	6	3	30	90
13022	67203	672	3	6	2	5	1	0	0.0	6	10	35	350
13038	67209	672	9	11	2	5	25	0	20.0	6	20	55	1100
15169	69414	694	14	52	2	1	49	0	0.0	10	33	15	495
15740	69916	699	16	15	2	6	21	0	10.0	1	36	32	1152
17461	71611	716	11	2	2	5	30	0	30.0	1	800	12	9600
17504	71616	716	16	7	2	5	3	0	2.0	6	40	24	960
17887	72010	720	10	5	2	5	3	0	0.0	6	12	50	600
19104	73601	736	1	45	2	6	400	0	300.0	1	300	4	1200
19108	73602	736	2	7	2	5	1	0	0.0	1	45	40	1800
19189	73617	736	17	7	2	5	10	0	10.0	6	10	28	280
19201	73802	738	2	6	2	5	8	3	0.0	3	1	500	500

```
19813 74311 743 11   4   2    2   55    0  30.0    3   30  360 10800
21865 76913 769 13   4   2    5   12    0   2.0    6   40   45  1800
23608 78910 789 10   2   2    5    4    0   2.0    6    2   65   130
23641 78916 789 16   2   2    5    8    0   8.0    6    8   60   480
23909 79408 794  8  35   2    2    2    0   2.0    3    2  850  1700
```

```
> dd<-d[!is.na(d$Q04A)& d$Q04A!=d$Q03A,]
> dim(dd)
[1] 33 14
> table(dd$Q03A,dd$Q04A)
     Q04A
Q03A 1  3  6 10
  1  0  3  0  1
  2  0  2  0  0
  3  4  0  0  0
  5  5  1 15  0
  6  2  0  0  0
> t<-table(dd$Q03A,dd$Q04A)
> rownames(t)<-c("kg","g","Maund","Muri","Pathi")
> colnames(t)<-c("kg","Maund","Pathi","Dozen")
> t
        Q04A
Q03A    kg Maund Pathi Dozen
  kg     0     3     0     1
  g      0     2     0     0
  Maund  4     0     0     0
  Muri   5     1    15     0
  Pathi  2     0     0     0
```

Remarks:

The above 18 combinations of Q03A and Q04A in bold red letters are not possible, while the other 15 combinations are compatible.

For instance in the next case, the quantity of wheat harvested was 4 muri = 288 kg, of which 40 pathi = 182 ℓ was sold at the price of 5 Rs. per pathi, consequently the amount of total sales

```
was 200 Rs.
      WWWHH WWW HH CCD Q02 Q03A Q03B Q03C  Q03D Q04A Q04B Q04C  Q04D
5119  57204 572  4   4   2    5    4    0   0.0    6    5   40   200
```

Remarks:

In the above cases, the amount of sales is computable. However, the amount of totally harvested is only computable using imputed price per corresponding unit.

- Local units of quantity harvested should be converted to kg, liter or piece.

```
# Converted the amount of quantity harvested to that in kg, liter or piece.
# quant.h: quantity in kg, liter or piece.
# unit.h code after converting.  1: kg, 4: liter, 9: piece
> convert.coeff<-c(1, 0.001, 37.3, 72, 1, 4.554, 0.568, 0.682, 1, 12)
> convert.unit<-c(1,1,1,4,1,4,4,4,9,9)
> d$unit.h<-convert.unit[d$Q03A]
> d$quan.h<-d$Q03B*convert.coeff[d$Q03A]
> addmargins(table(d$unit.h,useNA="ifany"))
    1     4     9   Sum
22073  3948   872 26893

# Number of records by crop code and unit code
> t<-table(d$CCD,d$unit.h)
> colnames(t)<-c("Kg","Liter","Piece")
> addmargins(t)
         Kg Liter Piece   Sum
  1     140    11     0   151
  2    2064    70     0  2134
  3      96    21     0   117
  4    1443   317     0  1760
  5     309    53     0   362
  6    1577   288     0  1865
  7     825   322     0  1147
  8     208   100     0   308
  9      56   126     0   182
```

10	37	26	0	63
11	226	507	0	733
12	432	366	0	798
13	197	14	0	211
14	69	3	0	72
15	727	135	0	862
16	74	16	0	90
17	214	60	0	274
18	92	1	0	93
19	95	43	0	138
20	155	240	0	395
21	191	367	0	558
22	1282	113	0	1395
23	284	36	0	320
24	68	7	0	75
25	296	19	0	315
26	34	0	0	34
27	605	430	0	1035
28	19	11	0	30
29	159	16	0	175
30	37	7	0	44
31	22	18	0	40
32	89	0	0	89
33	27	0	0	27
34	45	6	0	51
35	35	0	0	35
36	867	47	0	914
37	766	2	0	768
38	1009	1	0	1010
39	577	7	0	584
40	606	99	0	705
41	44	1	0	45
42	229	26	0	255
43	47	2	0	49
44	1803	4	0	1807
45	1747	5	3	1755

46	169	0	1	170
47	101	0	3	104
48	79	1	4	84
49	13	1	1	15
50	71	1	3	75
51	286	0	1	287
52	202	0	223	425
53	91	0	1	92
54	49	0	11	60
55	23	0	12	35
56	17	0	1	18
57	47	0	2	49
58	37	0	3	40
59	59	1	1	61
60	187	0	23	210
61	12	0	1	13
62	83	0	2	85
63	8	1	0	9
64	322	0	1	323
65	211	0	148	359
66	11	0	242	253
67	71	0	185	256
Sum	22073	3948	872	26893

Summary

1. For many crops, multiple units of kg, liter or piece are used.
2. Conversion coefficient from kg to liter for each crop is not available due to lack of information.
3. Consequently, in such cases, price data both in kg and litter is required for each crop.

- The unit selling price (xt041$Q04C) reported by the household is used to valuate the own crop harvested, if

  1) the unit selling price (xt041$Q04C) is not NA.

  2) the unit selling price is converted to kg, litter or piece.

  3) the unit is the same as that of the quantity harvested.

```
# price1: selling price after converting unit to kg, liter or piece.
# unit.p: unit code of selling price  1: kg, 4: liter, 9: piece
> d$unit.p<-convert.unit[d$Q04A]
> d$price1<-d$Q04B/convert.coeff[d$Q04A]
> table(is.na(d$unit.p))
FALSE  TRUE
 3416 23477 > table(is.na(d$price1))
FALSE  TRUE
 3416 23477
```

- Comparison of unit between quantity harvested and selling price

```
> addmargins(table(d$unit.h,d$unit.p,useNA="ifany"))
       unit.p
unit.h    1     4     9  <NA>   Sum
  1    3108    15     1 18949 22073
  4       2   180     0  3766  3948
  9       0     0   110   762   872
  Sum  3110   195   111 23477 26893
```

Summary

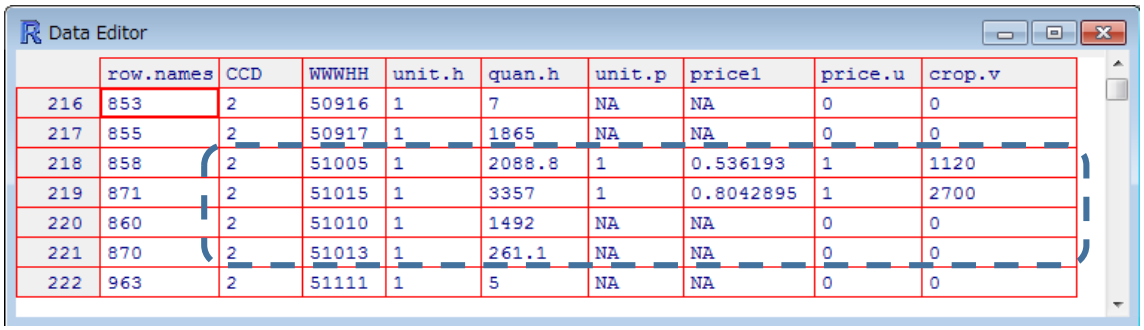
For 3,398 cases in bold on the diagonal of the above table, the corresponding selling price is applicable for valuating the own crop harvested.

```
# crop.v: the gross value of crop harvested
# price.u: selling price used for evaluating the crop harvested
#    1: own selling price, 2: average price at ward level, 3: at district level,
#    4: at region level, 5: at country level
> d$price.u<-0
> d$price.u<-ifelse(!is.na(d$unit.p)&d$unit.h==d$unit.p, 1, d$price.u)
> d$crop.v<-0
> d$crop.v<-ifelse(!is.na(d$unit.p)&d$unit.h==d$unit.p,
+  d$price1*d$quan.h, d$crop.v)

> addmargins(table(d$price.u))
    0     1   Sum
```

```
23495  3398 26893
> addmargins(table(d$crop.v>0))

FALSE  TRUE   Sum
23495  3398 26893

# Example
> head(d[d$price.u>0,])
   WWWHH WWW HH CCD Q02 Q03A Q03B Q03C Q03D Q04A Q04B Q04C Q04D
53 50110 501 10  44   2    1  300    0  200    1  200   10 2000
56 50111 501 11   4   2    6   26    0   10    6   10   35  350
58 50111 501 11  21   2    6   12    0    5    6    5   80  400
75 50116 501 16  24   2    6   21    0   15    6   15   40  600
80 50117 501 17  26   2    1  167    0  125    1  120   15 1800
84 50201 502  1   6   2    5    6    0    2    5    2  600 1200
   price.use unit.h  quan.h unit.p     price1 price.u crop.v
53         1      1 300.000      1 200.000000       1  60000
56         1      4 118.404      4   2.195872       1    260
58         1      4  54.648      4   1.097936       1     60
75         1      4  95.634      4   3.293808       1    315
80         1      1 167.000      1 120.000000       1  20040
84         1      1   6.000      1   2.000000       1     12
> ds<-d  # save
```

- For cases where their own selling price is not available, the ward-level average price will be applied, as follows.

```
> d<-d[order(d$CCD,d$WWW,d$unit.p),]
> d3<-d[,c(4,1,15:20)]
> fix(d3)
```



Data Editor

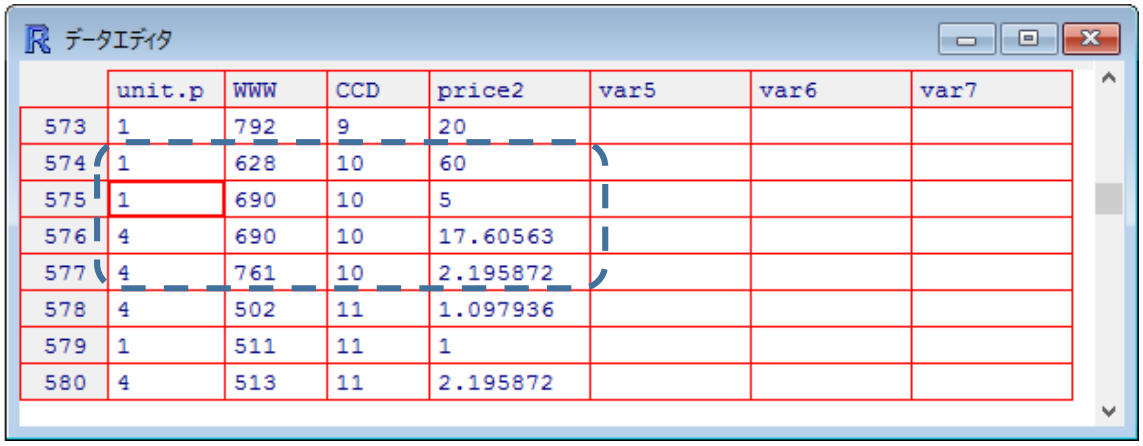
	row.names	CCD	WWWHH	unit.h	quan.h	unit.p	price1	price.u	crop.v
216	853	2	50916	1	7	NA	NA	0	0
217	855	2	50917	1	1865	NA	NA	0	0
218	858	2	51005	1	2088.8	1	0.536193	1	1120
219	871	2	51015	1	3357	1	0.8042895	1	2700
220	860	2	51010	1	1492	NA	NA	0	0
221	870	2	51013	1	261.1	NA	NA	0	0
222	963	2	51111	1	5	NA	NA	0	0

In the above case of CCD=2 and WWW=510, the imputed price applicable for WWWHH=51010 and 51013 is derived from the selling prices of WWWHH=51005 and 51015 within the same ward.

- Average price at **ward** level by crop code and price unit

```
> t<-aggregate(d$price1,by=list(d$unit.p,d$WWW,d$CCD),mean,na.rm=T)
> dim(t)
[1] 1721    4
> colnames(t)<-c("unit.p","WWW","CCD","price2")
> head(t)
  unit.p WWW CCD       price2
1      1 504   1 1400.0000000
2      1 529   1  260.0000000
3      1 552   1    0.2949062
4      1 568   1    2.0000000
5      1 577   1  158.0000000
6      1 600   1    6.0000000
```

For instance, the average price of CCD=10 at WWW=690 is 5 Rs. per Kg as well as 17.6 Rs. per liter, as the next.



データエディタ

	unit.p	WWW	CCD	price2	var5	var6	var7
573	1	792	9	20			
574	1	628	10	60			
575	1	690	10	5			
576	4	690	10	17.60563			
577	4	761	10	2.195872			
578	4	502	11	1.097936			
579	1	511	11	1			
580	4	513	11	2.195872			

- Appended price2 to the data frame d by matching unit.h of data frame d and unit.p of data frame t.

```
> ds2<-d  # save
> d<-merge(d,t,by.x=c("CCD","WWW","unit.h"),by.y=c("CCD","WWW","unit.p"),all.x=T)
> head(d)
  CCD WWW unit.h WWWHH HH QO2 QO3A   QO3B QO3C QO3D QO4A QO4B QO4C  QO4D price.use
1   1 504      1 50413 13   2    1 1500.0    0 1400    1 1400    8 11200         1
2   1 517      1 51705  5   2    5    8.0    4    0   NA    0    0     0         0
3   1 517      4 51701  1   2    6   15.0    7    0   NA    0    0     0         0
4   1 521      1 52101  1   2    5    7.0    0    0   NA   NA   NA     0         0
5   1 521      1 52102  2   2    5    2.0    0    0   NA   NA   NA     0         0
6   1 521      1 52105  5   2    5    4.1    0    0   NA   NA   NA     0         0
   quan.h unit.p price1 price.u  crop.v price2
1 1500.00      1   1400       1 2100000   1400
2    8.00     NA     NA       0       0     NA
3   68.31     NA     NA       0       0     NA
4    7.00     NA     NA       0       0     NA
5    2.00     NA     NA       0       0     NA
6    4.10     NA     NA       0       0     NA
```

The ward-level imputed price is applicable for 6,129 records.

```
> sum(d$price.u==0&!is.na(d$price2)&d$price2>0)
[1] 6129
> d$price.u<-ifelse(d$price.u==0&!is.na(d$price2)&d$price2>0,2,d$price.u)
```

```
> addmargins(table(d$price.u,useNA="ifany"))
    0     1     2   Sum
17366  3398  6129 26893
> d$crop.v<-ifelse(d$price.u==2, d$price2*d$quan.h, d$crop.v)
> addmargins(table(d$crop.v>0,useNA="ifany"))
FALSE  TRUE   Sum
17366  9527 26893
```

For cases with CCD=2 and WWW=510, the ward-level average price 0.67 Rs. per Kg is applied for WWWHH=51010 and 51013.

```
> d<-d[order(d$CCD,d$WWWHH,d$unit.p),]
> d4<-d[,c(1:4,16:21)]
> d4[d4$CCD==2&d4$WWW==510,]
    CCD WWW unit.h WWWHH quan.h unit.p    price1 price.u crop.v    price2
220   2 510       1 51005 2088.8       1 0.5361930       1   1120 0.6702413
221   2 510       1 51010 1492.0      NA         NA       2   1000 0.6702413
219   2 510       1 51013  261.1      NA         NA       2    175 0.6702413
218   2 510       1 51015 3357.0       1 0.8042895       1   2700 0.6702413
```

- Average price at **district** level by crop code and price unit

```
# Append the vectors of district and region to data frame d.
> ds3<-d  # save
> d<-merge(d,areainfo[,c("WWW","district","region")],by="WWW",all.x=T)

> t<-aggregate(d$price1,by=list(d$unit.p,d$district,d$CCD),mean,na.rm=T)
> dim(t)
[1] 1038    4
> colnames(t)<-c("unit.p","district","CCD","price3")
> head(t)
  unit.p district CCD      price3
1      1        4   1   0.8042895
```

```
2       1          6    1    0.4557641
3       1          9    1    6.0000000
4       1         15    1    1.0813226
5       1         28    1  175.3333333
6       1         35    1  702.0000000
```

- Appended price3 to the data frame d by matching unit.h of data frame d and unit.p of data frame t.

```
> d<-merge(d,t,by.x=c("CCD","district","unit.h"),by.y=c("CCD","district","unit.p"),all.x=T)
> head(d)
  CCD district unit.h WWW WWWHH HH QO2 QO3A QO3B QO3C QO3D QO4A QO4B QO4C QO4D price.use
1   1        2      1 596 59614 14   2    5    6    3    0   NA    0    0    0         0
2   1        2      1 596 59617 17   2    5    8    0    0   NA    0    0    0         0
3   1        2      1 596 59605  5   2    5    3    0    0   NA    0    0    0         0
4   1        4      1 783 78309  9   2    3    7    0    0   NA    0    0    0         0
5   1        4      1 648 64801  1   2    3   45    0   30    3   30  300 9000         1
6   1        4      1 662 66214 14   2    3    7    0    0   NA    0    0    0         0
  quan.h unit.p    price1 price.u crop.v    price2 region    price3
1    6.0     NA        NA       0      0        NA      1        NA
2    8.0     NA        NA       0      0        NA      1        NA
3    3.0     NA        NA       0      0        NA      1        NA
4  261.1     NA        NA       0      0        NA      1 0.8042895
5 1678.5      1 0.8042895       1   1350 0.8042895      1 0.8042895
6  261.1     NA        NA       0      0        NA      1 0.8042895
```

The district-level imputed price is applicable for 6,345 records.

```
> sum(d$price.u==0&!is.na(d$price3)&d$price3>0)
[1] 6345
> d$price.u<-ifelse(d$price.u==0&!is.na(d$price3)&d$price3>0,3,d$price.u)
> addmargins(table(d$price.u,useNA="ifany"))
    0     1     2     3   Sum
11021  3398  6129  6345 26893

> d$crop.v<-ifelse(d$price.u==3, d$price3*d$quan.h, d$crop.v)
```

```
> addmargins(table(d$crop.v>0,useNA="ifany"))
FALSE  TRUE   Sum
11021 15872 26893
```

- Average price at **region** level by crop code and price unit

```
> ds4<-d  # save
> t<-aggregate(d$price1,by=list(d$unit.p,d$region,d$CCD),mean,na.rm=T)
> dim(t)
[1] 310   4
> colnames(t)<-c("unit.p","region","CCD","price4")
> head(t)
  unit.p region CCD     price4
1      1      1   1   1.160999
2      1      2   1 386.000000
3      1      3   1 106.000000
4      1      1   2  73.654890
5      4      1   2   1.097936
6      1      2   2 114.837928
```

- Appended price4 to the data frame d by matching unit.h of data frame d and unit.p of data frame t.

```
> d<-merge(d,t,by.x=c("CCD","region","unit.h"),by.y=c("CCD","region","unit.p"),all.x=T)
> head(d)
  CCD region unit.h district WWW WWWHH HH Q02 Q03A Q03B Q03C Q03D Q04A Q04B Q04C  Q04D
1   1      1      1       14 634 63408  8   2    1    8    4    0   NA    0    0     0
2   1      1      1       15 809 80902  2   2    3   95    0   70    3   70  300 21000
3   1      1      1        6 633 63310 10   2    3   60   25   15    3   15  280  4200
4   1      1      1        5 802 80216 16   2    3   25    0    0   NA    0    0     0
5   1      1      1       15 552 55208  8   2    3   15    0    0   NA    0    0     0
6   1      1      1       15 809 80911 11   2    3  100    0   60    3   60  225 13500
```

```
  price.use quan.h unit.p    price1 price.u crop.v    price2    price3   price4
1         0    8.0     NA        NA       0      0        NA        NA 1.160999
2         1 3543.5      1 1.8766756       1   6650 1.5214477 1.0813226 1.160999
3         1 2238.0      1 0.4021448       1    900 0.4557641 0.4557641 1.160999
4         0  932.5     NA        NA       0      0        NA        NA 1.160999
5         0  559.5     NA        NA       2    165 0.2949062 1.0813226 1.160999
6         1 3730.0      1 1.6085791       1   6000 1.5214477 1.0813226 1.160999
```

The region-level imputed price is applicable for 9,308 records.

```
> sum(d$price.u==0&!is.na(d$price4)&d$price4>0)
[1] 9308
> d$price.u<-ifelse(d$price.u==0&!is.na(d$price4)&d$price4>0,4,d$price.u)
> addmargins(table(d$price.u,useNA="ifany"))

    0     1     2     3     4   Sum
 1713  3398  6129  6345  9308 26893

> d$crop.v<-ifelse(d$price.u==4, d$price4*d$quan.h, d$crop.v)
> addmargins(table(d$crop.v>0,useNA="ifany"))
FALSE  TRUE   Sum
 1713 25180 26893
```

- Average price at **national** level by crop code and price unit

```
> ds5<-d  # save
> t<-aggregate(d$price1,by=list(d$unit.p,d$CCD),mean,na.rm=T)
> dim(t)
[1] 101   3
> colnames(t)<-c("unit.p","CCD","price5")
> head(t)
  unit.p CCD     price5
1      1   1  84.076259
2      1   2 408.287288
```

```
3       4    2  26.762187
4       1    3  70.000000
5       4    3   2.195872
6       1    4 247.729367
```

- Appended price5 to the data frame d by matching unit.h of data frame d and unit.p of data frame t.

```
> d<-merge(d,t,by.x=c("CCD","unit.h"),by.y=c("CCD","unit.p"),all.x=T)
> head(d)
  CCD unit.h region district WWW WWWHH HH Q02 Q03A Q03B Q03C Q03D Q04A Q04B Q04C Q04D price.use
1   1      1      1        4 783 78309  9   2    3    7    0    0   NA    0    0    0         0
2   1      1      1       15 552 55216 16   2    3   24   12    0   NA    0    0    0         0
3   1      1      1        7 780 78011 11   2    5    4    2    0   NA    0    0    0         0
4   1      1      1       15 796 79602  2   2    3    8    4    0   NA    0    0    0         0
5   1      1      2       28 716 71602  2   2    5   10    0    0   NA   NA   NA    0         0
6   1      1      2       30 521 52101  1   2    5    7    0    0   NA   NA   NA    0         0
  quan.h unit.p price1 price.u      crop.v    price2      price3     price4   price5
1  261.1     NA     NA       3  210.000000        NA   0.8042895   1.160999 84.07626
2  895.2     NA     NA       2  264.000000 0.2949062   1.0813226   1.160999 84.07626
3    4.0     NA     NA       4    4.643996        NA          NA   1.160999 84.07626
4  298.4     NA     NA       2   32.000000 0.1072386   1.0813226   1.160999 84.07626
5   10.0     NA     NA       2   60.000000 6.0000000 175.3333333 386.000000 84.07626
6    7.0     NA     NA       4 2702.000000        NA          NA 386.000000 84.07626
```

The national-level imputed price is applicable for 1,400 records.

```
> sum(d$price.u==0&!is.na(d$price5)&d$price5>0)
[1] 1400
> d$price.u<-ifelse(d$price.u==0&!is.na(d$price5)&d$price5>0,5,d$price.u)
> addmargins(table(d$price.u,useNA="ifany"))
    0     1     2     3     4     5   Sum
  313  3398  6129  6345  9308  1400 26893

> d$crop.v<-ifelse(d$price.u==5, d$price5*d$quan.h, d$crop.v)
> addmargins(table(d$crop.v>0,useNA="ifany"))
FALSE  TRUE   Sum
```

```
313 26580 26893
```

- For the remaining 313 records, national-level imputed price is not available.

```
> d5<-subset(d,price.u==0)
> dim(d5)
[1] 313  26

# Number of unmatched records by crop code (CCD) and unit of quantity harvested
> table(d5$CCD,d5$unit.h,useNA="ifany")

     1  4  9
1    0 11  0
13   0 14  0
14   0  3  0
18   0  1  0
25   0 19  0
29   0 16  0
30   0  7  0
31   0 18  0
34   0  6  0
36   0 47  0
37   0  2  0
38   0  1  0
39   0  7  0
41   0  1  0
42   0 26  0
43   0  2  0
44   0  4  0
45   0  5  3
46   0  0  1
49 13  1  1
50   0  1  0
53   0  0  1
```

55 0 0 12

58 0 0 3

59 0 1 1

61 0 0 1

63 0 1 0

64 0 0 1

66 11 0 0

67 71 0 0

##########

- Is different unit between quantity harvested and price sold assumed in the survey design?

Questionnaire of NLSS I 1995/96

SECTION 12 FARMING AND LIVESTOCK PART B PRODUCTION AND USES

1. In the past AGRICULTURE YEAR, what crops did you grow? LIST ALL CROPS GROWN BY HOUSEHOLD FIRST BEFORE ASKING Q. 2 - 4.		2. Did you use an improved variety of seed? YES ..... 1 NO 2	3. Please provide the following information related to quantity of ..[CROP].. produced by your household, as well as the various uses to which it was put: UNITS: USE CODES LISTED AT END OF THE QUESTIONNAIRE				4. What was the total quantity sold? What was the price that you received per unit? What was the total value of sales? IF CROP NOT SOLD, WRITE ZERO IN TOAL SALES COLUMN AND LEAVE THE OTHERS BLANK			
	CROP CODE		A. UNIT	B. TOTAL QUANTITY HARVESTED	C. QUANTITY GIVEN TO LANDLORD	D. QUANTITY SOLD (OR EXPECT TO SELL)	A. UNIT	B. TOTAL QUANTITY SOLD	C. PRICE PER UNIT	D. TOTAL SALES

The questionnaire form for crop production in NLSS I is the same as NLSS II.

The Interviewer Manual describes as follows;

"Question 3: Fill in the columns as follows:

COLUMN A: Record the unit of measure used for each crop. Unit of measure is recorded in quantity code.

COLUMN B: Record the total amount of crop harvested in terms of the unit specified in column A.

…

Question 4: collects information on the amount of each crop which was sold (or will be sold). Ask about the quantity sold, the price per unit and the total income received from sales, or which the household expects to receive.

COLUMN A: Record the quantity code of crop sold.

COLUMN B: Record the quantity of each crop that was sold during the agricultural year.

COLUMN C: Record the price per unit of crop. Remember that the price recorded here should be per unit quantity of column A.

… “

It seems that the unit was designed separately for quantity harvested and quantity sold, and the unit of price should be the latter.

##

- Value of total crop production at household level

```
# Defined the harvested value by multiplying (Q03B - Q03C)/Q03B and crop.v in the data frame.
> table(d$crop.v>0,useNA="ifany")
FALSE  TRUE
  313 26580
> table(d$Q03B>=d$Q03C,useNA="ifany")
 TRUE
26893
> table(d$Q03B>0,useNA="ifany")
 TRUE
26893
> d$harvest.value<-(1-d$Q03C/d$Q03B)*d$crop.v

# Aggregated the harvested value of crops up to household level.
> t<-tapply(d$harvest.value,d$WWWHH,sum)
> crop<-data.frame(WWWHH=names(t),harvest.value=round(t),row.names=NULL)
> dim(crop)
[1] 2847    2
> head(crop)
  WWWHH harvest.value
1 50101         713730
2 50102            473
3 50104       10976871
4 50105           8157
5 50107        1747743
6 50108        1885374
```

9.2 Wage income

Items to add
Value of cash and in-kind earning per year in agriculture (includes daily, piece-rate and permanent labour)
Value of cash and in-kind earning per year outside agriculture (includes daily, piece-rate and permanent labour)

"The details of each wage employment activity are asked in section 10, separately for wage employment "in agriculture" and "outside agriculture" sections 10.A and 10.B respectively. Each part collects wages received by personnel to each activity either on daily, long-term or contract/piece-rate basis.

i) ***Daily wage income****:* Daily wage income is calculated as cash received per day plus value of in-kind received per day multiplied by number of days worked in that particular activity, plus value of in-kind payments for the whole period.

ii) ***Long-term wage employment****:* Wage received in agriculture is calculated as total cash received from that work activity for that long-term period plus daily in-kind payment multiplied by number of days worked plus in-kind payment received for the whole period.

Wage outside of agriculture is calculated as monthly payment and monthly transportation allowances times number of months each activity worked, plus bonuses, tips, allowances, clothing and any other payments received yearly from each work activity.

iii) ***Piece-rate/contract income****:* Piece rate or contract basis wage income is the reported cash and in-kind received by individual per each work.

For each individual wage earner in the household, all these components are annualized and then summed up to obtain annual wage income. Wage income figures by every earner are then aggregated at a household level to obtain total wage income to each household."

Section 1.C: Activities XT004:

Unit: Activity, IDC (person)

Section 10.A: Wage employment in agriculture: XT030 & XT031 ,

Unit: Activity, IDC (person)

- Daily wage income
- Long-term wage employment
- Piece-rate/contract income

Section 10.B: Wage employment outside agriculture: XT032 & XT033

Unit: Activity, IDC (person)

- Daily wage income
- Long-term wage employment
- Piece-rate/contract income

Process:

- Annualize all components for each individual
- Sum up all components to obtain annual wage income for each individual
- Aggregate wage income by every earner at a household level to obtain total wage income to each housheold

IN AGRICULTURE

DAILY WAGE INCOME

XT030: Wage employment in agriculture

```
> d<-outfiles[[30]]
> dim(d)
[1] 2555   13
> head(d)
  WWWHH WWW HH ACT IDC                          Q01A Q01B Q02 Q03 Q04A Q04B Q05A Q05B
1 50101 501  1   B   1 Jyalama Kheet Jotni        921    2  NA   NA   NA   NA   NA
2 50101 501  1   L   4 Krishima Jyaladari        921    1  50    4   NA   10    0
3 50102 501  2   B   1 Dhan Katni                921    1  50    4   NA   20   75
```

```
4 50102 501  2   C   1 Makai Vachni                    921   1  50    4   NA   25   75
5 50102 501  2   D   1 Mool Falni                      921   1  50    4   NA   25   75
6 50102 501  2   E   1 Ghaun Katni                     921   1  50    4   NA   25   75
```

```
Q02=1: Daily basis
> addmargins(table(d$Q02))
   1    2    3  Sum
2271   27  257 2555
```

```
Q03: Cash received per day
Q05A: Value of in-kind received per day
Q05B: Value of in-kind payments for the whole period
```

```
# Generated personal identifier PID in d
> d$PID<-paste(d$WWWHH,formatC(d$IDC,width=2,flag="0"),sep="")
```

```
XT004: Activities
> e<-outfiles[[4]]
> dim(e)
[1] 47553    21
```

```
Q09A=1: Wage employment in agriculture
> e<-subset(e,Q09A==1)
> dim(e)
[1] 2555   21
> table(d$WWWHH==e$WWWHH & d$IDC==e$IDC & d$ACT==e$ACT)
TRUE
2555
```

- The files XT030 and XT004 are consistent in terms of WWWHH, IDC and ACT.

```
Q02: Months worked during the past 12 months
Q03: Days worked per month
Days = Q02 * Q03: Days worked in the activity during the past 12 months
```

```
> e$Days<-e$Q02*e$Q03
> head(e)
   WWWHH WWW HH ACT IDC                          Q01N Q01C Q02 Q03 Q04 Q05 Q06H Q06T
2  50101 501  1   B   1 jyalama Kheet Bari Jotne  921    4   3   7   0   NA    NA
12 50101 501  1   L   4 Krishima Jyaladari        921    7   4   6   0   NA    NA
21 50102 501  2   B   1 Dhan Katne                921    1   4   8   0   NA    NA
22 50102 501  2   C   1 Makai Vachne              921    1   2   8   0   NA    NA
23 50102 501  2   D   1 Mool Falne                921    1   7   8   7    8    56
24 50102 501  2   E   1 Ghaun Katni               921    1   2   8   2    8    16
   Q07 Q08A Q08B Q09A Q09B Q09C Q09D Q09E Days
2    1   NA   NA    1   NA   NA   NA   NA   12
12   1   NA   NA    1   NA   NA   NA   NA   28
21   1   NA   NA    1   NA   NA   NA   NA    4
22   1   NA   NA    1   NA   NA   NA   NA    2
23   1   NA   NA    1   NA   NA   NA   NA    7
24   1   NA   NA    1   NA   NA   NA   NA    2
> table(is.na(e$Days))
FALSE
 2555
```

Defined daily wage income in the past 12 months.

Daily wage income = (cash received per day: d$Q03 + value of in-kind received per day: d$Q05A) * number of days worked: e$Days + value of in-kind payments for the whole period: d$Q05B

```
> d<-data.frame(d,Days=e$Days)
> d$daily.wage<-ifelse(d$Q02==1,(d$Q03+d$Q05A)*d$Days+d$Q05B,0)
> head(d)
  WWWHH WWW HH ACT IDC                        Q01A Q01B Q02 Q03 Q04A Q04B Q05A Q05B
1 50101 501  1   B   1 Jyalama Kheet Jotni     921    2  NA  NA   NA   NA   NA   NA
2 50101 501  1   L   4 Krishima Jyaladari      921    1  50   4   NA   10    0
3 50102 501  2   B   1 Dhan Katni              921    1  50   4   NA   20   75
4 50102 501  2   C   1 Makai Vachni            921    1  50   4   NA   25   75
5 50102 501  2   D   1 Mool Falni              921    1  50   4   NA   25   75
6 50102 501  2   E   1 Ghaun Katni             921    1  50   4   NA   25   75
      PID Days daily.wage
1 5010101   12          0
```

```
2 5010104   28        1680
3 5010201    4         355
4 5010201    2         225
5 5010201    7         600
6 5010201    2         225

# Summed up at individual level.
> t<-tapply(d$daily.wage,d$PID,sum)
> pidwage<-data.frame(PID=names(t),daily.wage=t,row.names=NULL)
> dim(pidwage)
[1] 2032    2
> head(pidwage)
      PID daily.wage
1 5010101          0
2 5010104       1680
3 5010201       1405
4 5010701       1680
5 5010702       3850
6 5011101        250
```

LONG-TERM WAGE EMPLOYMENT IN AGRICULTURE

XT031:
Q06: Cash payment past 12 months
Q08A: In-kind payments per day
Q08B: In-kind payments whole period

```
> f<-outfiles[[31]]
> dim(f)
[1] 284  14

# Generated activity identifier AID in data frame d and f.
> f$AID<-paste(f$WWWHH,f$ACT,sep="")
> dim(f)
```

```
[1] 284  15
> head(f)
  WWWHH WWW HH ACT  Q06 Q07A Q07B Q08A Q08B Q09 Q10 Q11 Q12  Q13    AID
1 50101 501  1   B  800    3   NA   15  450   1   2   2   2   NA 50101B
2 50510 505 10   C 2500    1    4   20  150   1   1   2   1   NA 50510C
3 50510 505 10   L 2500    1    4   20  150   1   1   2   1   NA 50510L
4 51001 510  1   G   NA   NA   NA   NA   NA  NA  NA  NA  NA 4200 51001G
5 51001 510  1   H   NA   NA   NA   NA   NA  NA  NA  NA  NA 2200 51001H
6 51002 510  2   B   NA   NA   NA   NA   NA  NA  NA  NA  NA 2600 51002B

> d$AID<-paste(d$WWWHH,d$ACT,sep="")
> dim(d)
[1] 2555   17
> head(d)
  WWWHH WWW HH ACT IDC                          Q01A Q01B Q02 Q03 Q04A Q04B Q05A Q05B
1 50101 501  1   B   1 Jyalama Kheet Jotni          921    2  NA   NA   NA   NA   NA
2 50101 501  1   L   4 Krishima Jyaladari           921    1  50    4   NA   10    0
3 50102 501  2   B   1 Dhan Katni                   921    1  50    4   NA   20   75
4 50102 501  2   C   1 Makai Vachni                 921    1  50    4   NA   25   75
5 50102 501  2   D   1 Mool Falni                   921    1  50    4   NA   25   75
6 50102 501  2   E   1 Ghaun Katni                  921    1  50    4   NA   25   75
      PID Days daily.wage    AID
1 5010101   12          0 50101B
2 5010104   28       1680 50101L
3 5010201    4        355 50102B
4 5010201    2        225 50102C
5 5010201    7        600 50102D
6 5010201    2        225 50102E

# Merging data frame f and d, appended the variable of PID and Days in d to f.
> f<-merge(f,d[,c("AID","PID","Days")],by="AID",all.x=T)
> dim(f)
[1] 284  17
> head(f)
     AID WWWHH WWW HH ACT  Q06 Q07A Q07B Q08A Q08B Q09 Q10 Q11 Q12  Q13     PID Days
1 50101B 50101 501  1   B  800    3   NA   15  450   1   2   2   2   NA 5010101   12
```

```
2 50510C 50510 505 10   C 2500    1    4   20  150   1   1   2   1   NA 5051002  200
3 50510L 50510 505 10   L 2500    1    4   20  150   1   1   2   1   NA 5051007   28
4 51001G 51001 510  1   G   NA   NA   NA   NA   NA  NA  NA  NA  NA 4200 5100101   48
5 51001H 51001 510  1   H   NA   NA   NA   NA   NA  NA  NA  NA  NA 2200 5100101   21
6 51002B 51002 510  2   B   NA   NA   NA   NA   NA  NA  NA  NA  NA 2600 5100201   44
```

✓ Definition of long-term wage

Cash received over the past 12 months: f$Q06 + value of in-kind received per day: f$Q08A * number of days worked: f$Days + value of in-kind payments for the whole period: f$Q08B

```
> f[is.na(f)]<-0
> f$longterm.wage<-f$Q06+f$Q08A*f$Days+f$Q08B
> head(f)
     AID WWWHH WWW HH ACT  Q06 Q07A Q07B Q08A Q08B Q09 Q10 Q11 Q12  Q13     PID Days
1 50101B 50101 501  1   B  800    3    0   15  450   1   2   2   2    0 5010101   12
2 50510C 50510 505 10   C 2500    1    4   20  150   1   1   2   1    0 5051002  200
3 50510L 50510 505 10   L 2500    1    4   20  150   1   1   2   1    0 5051007   28
4 51001G 51001 510  1   G    0    0    0    0    0   0   0   0   0 4200 5100101   48
5 51001H 51001 510  1   H    0    0    0    0    0   0   0   0   0 2200 5100101   21
6 51002B 51002 510  2   B    0    0    0    0    0   0   0   0   0 2600 5100201   44
  longterm.wage
1          1430
2          6650
3          3210
4             0
5             0
6             0
> sum(f$longterm.wage>0)
[1] 27
> fs<-f  #save
> f<-subset(f,longterm.wage>0)
> dim(f)
[1] 27 18
```

```
# Summed up at individual level
> t<-tapply(f$longterm.wage,f$PID,sum)
> df<-data.frame(PID=names(t),longterm.wage=t,row.names=NULL)
> dim(df)
[1] 26  2
> head(df)
      PID longterm.wage
1 5010101          1430
2 5051002          6650
3 5051007          3210
4 5261601         20000
5 5370701         15000
6 5371101         18200

# Merged df with pidwage
> pidwage.save<-pidwage
> pidwage<-merge(pidwage,df,by="PID",all=T)
> dim(pidwage)
[1] 2032    3
> head(pidwage)
      PID daily.wage longterm.wage
1 5010101          0          1430
2 5010104       1680            NA
3 5010201       1405            NA
4 5010701       1680            NA
5 5010702       3850            NA
6 5011101        250            NA
```

PIECE-RATE/CONTRACT INCOME

XT031

Q13: reported cash and in-kind received in contract during the past 12 months

```
> f<-fs
> f$contract.income<-f$Q13
```

```
> head(f)
     AID WWWHH WWW HH ACT  Q06 Q07A Q07B Q08A Q08B Q09 Q10 Q11 Q12  Q13     PID Days
1 50101B 50101 501  1   B  800    3    0   15  450   1   2   2   2    0 5010101   12
2 50510C 50510 505 10   C 2500    1    4   20  150   1   1   2   1    0 5051002  200
3 50510L 50510 505 10   L 2500    1    4   20  150   1   1   2   1    0 5051007   28
4 51001G 51001 510  1   G    0    0    0    0    0   0   0   0   0 4200 5100101   48
5 51001H 51001 510  1   H    0    0    0    0    0   0   0   0   0 2200 5100101   21
6 51002B 51002 510  2   B    0    0    0    0    0   0   0   0   0 2600 5100201   44
  longterm.wage contract.income
1          1430               0
2          6650               0
3          3210               0
4             0            4200
5             0            2200
6             0            2600
> sum(f$contract.income>0)
[1] 257
> fs2<-f
> f<-subset(f,contract.income>0)
> dim(f)
[1] 257  19
```

- Summed up at individual level

```
> t<-tapply(f$contract.income,f$PID,sum)
> df<-data.frame(PID=names(t),contract.income=t,row.names=NULL)
> dim(df)
[1] 190   2
> head(df)
      PID contract.income
1 5100101            6400
2 5100201            2600
3 5100401            1900
4 5100501            4000
5 5101301            2400
6 5101302            1840
```

```
# Merged df with pidwage
> pidwage.save2<-pidwage
> pidwage<-merge(pidwage,df,by="PID",all=T)
> dim(pidwage)
[1] 2032    4

# Generated the variable of wage income at individual level
> pidwage[is.na(pidwage)]<-0
> pidwage$wageincome<-rowSums(pidwage[,2:4])
> head(pidwage[pidwage$wageincome>pidwage$daily.wage,])
       PID daily.wage longterm.wage contract.income wageincome
1  5010101          0          1430               0       1430
25 5051002          0          6650               0       6650
27 5051007          0          3210               0       3210
42 5100101       8640             0            6400      15040
43 5100201       7200             0            2600       9800
45 5100401       2520             0            1900       4420
```

- Aggregated wage income at household level

```
# Generated household identifier WWWHH
> pidwage$WWWHH<-substr(pidwage$PID,1,5)
> t<-tapply(pidwage$wageincome,pidwage$WWWHH,sum)
> hhwage<-data.frame(WWWHH=names(t),wageincome=t,row.names=NULL)
> dim(hhwage)
[1] 1128    2
> head(hhwage)
  WWWHH wageincome
1 50101       3110
2 50102       1405
3 50107       5530
4 50111        250
5 50116       1050
6 50117       3240
```

WAGE INCOME OUTSIDE AGRICULTURE

Data files

XT032

XT033

```
> d<-outfiles[[32]]
> dim(d)
[1] 2536   15
> head(d)
  WWWHH WWW HH ACT IDC                          Q01A Q01B
1 50116 501 16   B   1 Garo Lagauni                  713
2 50211 502 11   C   1 Bato Banaune Majduri          931
3 50214 502 14   C   2 Dakarmi                       713
4 50216 502 16   A   1 Teacher                       233
5 50302 503  2   B   1 BIDHUT KO KULO KHANNE         931
6 50304 503  4   J   2 BHARI BOKNE                   915
                        Q02A Q02B Q03 Q04 Q05A Q05B Q06A Q06B
1 Nirman                  45   1 110    4   NA   30    0
2 Sarbajanik Sadak        45   1 100    7   NA   NA   NA
3 Ghar Nirman             45   1 100    4    7   40    0
4 Shiksha                 80   2  NA   NA   NA   NA   NA
5 KULO                    45   1 140    7   NA   NA   NA
6 BHARI SEWA              93   1 100    7   NA   NA   NA


> f<-outfiles[[33]]
> dim(f)
[1] 1492   15
> head(f)
  WWWHH WWW HH ACT Q07A Q07B Q07C Q07D  Q07E Q08 Q09 Q10 Q11 Q12   Q13
1 50216 502 16   A 4100    0 4100    0     0   2   1   1   2   2    NA
2 50308 503  8   0   NA   NA   NA   NA    NA  NA  NA  NA  NA  NA  5000
3 50311 503 11   C 4000    0 4000    0 13200   2   1   1   1   3    NA
4 50313 503 13   D   NA   NA   NA   NA    NA  NA  NA  NA  NA  NA 56000
5 50407 504  7   A   NA   NA   NA   NA    NA  NA  NA  NA  NA  NA 80000
```

6	50407	504	7	K	2500	0	1000	500	0	2	2	2	2	2	NA

9.3 Non-farm enterprises income

Items to add	Items to deduct
Gross revenues from non-agriculture enterprises/activities during past 12 months	Wage paid both cash and in-kind Energy expenditure Expenditure on raw material Other operating expenditure Share of net revenues paid to partners

Revenue

XT004: Activities

Unit: household(WWWHH), activity(ACT)

Q09D=1: Self-employment not in agriculture

```
# Number of activities of self-employment not in agriculture
> e<-subset(outfiles[[4]],Q09D==1)
> dim(e)
[1] 2162   21
> head(e)
    WWWHH WWW HH ACT IDC                          Q01N Q01C Q02 Q03 Q04 Q05 Q06H Q06T
1   50101 501  1   A   1 Hasiya Kuta Banauni       712   12   7   3   1    8    8
35  50104 501  4   E   1 Aafni Pasalma basni       522   12  30   2   7    2   14
195 50210 502 10   C   3 Kapada Byapar             743   12  30  12   7   12   84
328 50307 503  7   D   1 DHAMI BAIDHIYA GARNE      324   10  15   2   1    7    7
491 50407 504  7   N   6 KIRANA PASAL AAFNEI       523    6  20   6   7    6   42
502 50408 504  8   H   5 ANDA BYAPAR AFNEI         523    9  30   7   0   NA   NA
    Q07 Q08A Q08B Q09A Q09B Q09C Q09D Q09E
1     1   NA   NA   NA   NA   NA    1   NA
35    1   NA   NA   NA   NA   NA    1   NA
195   1   NA   NA   NA   NA   NA    1   NA
328   1   NA   NA   NA   NA   NA    1   NA
491   1   NA   NA   NA   NA   NA    1   NA
502   2   27    1   NA   NA   NA    1   NA
```

```
# Number of unique household codes
> length(unique(e$WWWHH))
[1] 1105
```

Section 12. Non-agriculture enterprise/activities Part: General characteristics

XT059: Non-agriculture enterprises/activities

Unit: household(WWWHH), enterprise(ENT)

```
> d<-outfiles[[59]]
> dim(d)
[1] 1365   19
> head(d)
  WWWHH WWW HH ENT                      Q01A                    Q01B Q01C Q02A Q02B
1 50101 501  1   1 Hansiya,Kuto Banauni      Hansiya,kodalo          27    1   NA
2 50104 501  4   1 Aafni Khudra pasal        Khudra Sell             52    1   NA
3 50210 502 10   1 Kapada Pasal              Kapada Bikkri           17    3   NA
4 50307 503  7   1 DHAMI BAIDHIYA GARNE      ADHIYAMIK SEWA          93    1   NA
5 50407 504  7   1 KIRANA PASAL              GOODS                   52    6   NA
6 50408 504  8   1 ANADA BYAPAR AAFNEI       EGG SALL                74    5   NA
  Q02C Q02D Q02E Q03 Q04A Q04B Q05 Q06 Q07 Q08
1   NA   NA   NA   1    9    4   1  12   1  NA
2   NA   NA   NA   1    2    9   1  12   1  NA
3   NA   NA   NA   3   12    0   2  12   1  NA
4   NA   NA   NA   1   34    0   3  10   1  NA
5   NA   NA   NA   6    1    0   1  12   1  NA
6   NA   NA   NA   5    2    0   2   9   1  NA

# Number of unique household codes
> length(unique(d$WWWHH))
[1] 1105
```

Q07: Owner of the business

1= Household only

2= Partnership/share with other owners

```
> addmargins(table(d$Q07))
   1    2  Sum
1310   55 1365
```

Q08: Share of the profits (%)

```
> addmargins(table(!is.na(subset(d,Q07==2)$Q08)))
TRUE  Sum
  55   55
```

```
> range(subset(d,Q07==2)$Q08)
[1]  0 90
> addmargins(table(subset(d,Q07==2)$Q08))
  0   4   5  10  20  25  30  33  35  40  50  60  80  90 Sum
  1   1   1   2   3   8   1   3   1   1  30   1   1   1  55
```

Section 12 Non-agriculture enterprise/activities Part: Income from enterprise

XT061: Income from non-agriculture enterprises

Unit: household(WWWHH), enterprise(ENT)

Q07: Net revenue

```
> f<-outfiles[[61]]
> dim(f)
[1] 1365   15
> head(f)
  WWWHH WWW HH ENT    Q02 Q03   Q04   Q05A Q05B   Q06   Q07  Q08 Q09    Q10    Q11
1 50101 501  1   1   1600   0     0      0  800     0   800  320   0   1500   1600
2 50104 501  4   1  91000   0     0  77350    0     0 13650 2000   0   8000   4000
3 50210 502 10   1 400000   0   338 360000    0  6000 33662    0   0 500000 600000
4 50307 503  7   1   5000   0     0      0    0     0  5000    0   0   2000   2000
5 50407 504  7   1  40000   0   900  25000    0     0 14100    0   0  22000  65000
6 50408 504  8   1 130000   0 12000  90000    0 10000 18000    0   0      0 150000
> addmargins(table(f$WWWHH==d$WWWHH & f$ENT==d$ENT))
TRUE  Sum
1365 1365
```

```
> summary(f$Q07)
```

```
     Min.   1st Qu.    Median      Mean   3rd Qu.      Max.      NA's
  -660000      6000     20000    504400     52980 600200000         3
> table(f$Q07<0)
FALSE  TRUE
 1343    19
```

19 cases with negative income

```
> f[f$Q07<0,1:11]
      WWWHH WWW HH ENT     Q02     Q03   Q04     Q05A Q05B    Q06     Q07
23    50802 508  2   1  150000  102000   750    24250    0  33000  -10000
75    52701 527  1   1   50000   16000  4000    50000    0   1000  -21000
80    52710 527 10   1    8000     800   621        0    0 113020 -106441
143   54807 548  7   1       0    6000   150        0    0      0   -6150
145   54807 548  7   3       0    1000     0        0    0      0   -1000
214   56805 568  5   1   15000       0  9048    27900    0    500  -22448
271   57808 578  8   1    2000     500   150    40000    0   1650  -40300
286   58101 581  1   1   12000       0     0    15000    0      0   -3000
NA       NA  NA NA  NA      NA      NA    NA       NA   NA     NA      NA
465   61810 618 10   3       0    6000     0    50000    0      0  -56000
519   62405 624  5   1    4000       0     0     5000    0      0   -1000
568   63217 632 17   1  100000  288000  6000        0    0  84000 -278000
600   63814 638 14   2   24000   21000  4500        0    0   1000   -2500
627   64317 643 17   1  112000  101250     0        0    0  60750  -50000
NA.1     NA  NA NA  NA      NA      NA    NA       NA   NA     NA      NA
700   65901 659  1   1    9000    7000  1500        0    0   9000   -8500
841   70513 705 13   2    1600       0   200    10000    0     50   -8650
992   75018 750 18   1 1300000  180000 46000  1500000    0  50000 -476000
1049  76207 762  7   1 3000000 1440000 20000  2000000    0 200000 -660000
NA.2     NA  NA NA  NA      NA      NA    NA       NA   NA     NA      NA
1192  79613 796 13   1   10000       0     0    10000    0   9000   -9000
1286  82202 822  2   1    3000       0     0     5000    0      0   -2000

> table(f$Q07==0)
FALSE  TRUE
 1353     9
```

✓ There are three NAs in Q07, and 19 negative income and 9 zero income.

3 cases with NA

```
> f[is.na(f$Q07),1:11]
     WWWHH WWW HH ENT   Q02 Q03  Q04  Q05A Q05B  Q06 Q07
288  58105 581  5   2 13000  NA   NA    NA   NA   NA  NA
689  65410 654 10   1 60000   0 8000 2e+05    0 2000  NA
1057 76406 764  6   1     0  NA   NA    NA   NA   NA  NA
```

✓ The first case: Q07= 13,000

The second case: Q07= -150,000

The third case: Q07= 0

9 cases with zero income

```
> f[!is.na(f$Q07)&f$Q07==0,1:11]
     WWWHH WWW HH ENT     Q02 Q03       Q04  Q05A  Q05B   Q06 Q07
19   50616 506 16   1   16000   0         0 16000     0     0   0
79   52708 527  8   1   20000   0         0   500     0 19500   0
429  60816 608 16   1 3754000   0 80500000     0  2310   639   0
696  65617 656 17   1   36000   0         0   500     0 35500   0
786  68118 681 18   1    5000   0        10    20     0  4970   0
821  69804 698  4   1      NA   0       700  5000     0     0   0
1093 77407 774  7   1   24000   0      4260  6000  1000 12740   0
1251 81217 812 17   2  145000   0         0 67000 27125 50875   0
1320 82803 828  3   4       0   0         0     0     0     0   0
```

✓ Line:429 Q07= -76,748,949

Line:821 Q07= -5,700 (if Income Q02= NA means zero)

Remarks:

How to treat negative income

✓ There is one household with the share of profit = zero, while the net revenue is positive.

```
> d[d$Q07==2&d$Q08==0,]
```

```
     WWWHH WWW HH ENT                        Q01A                        Q01B Q01C Q02A
1156 78717 787 17   1 MANDIRMA POOJA GARNE      POOJA PATH                   91    1
     Q02B Q02C Q02D Q02E Q03 Q04A Q04B Q05 Q06 Q07 Q08
1156   NA   NA   NA   NA   1   21    3   2  12   2   0
> f[d$Q07==2&d$Q08==0,]
     WWWHH WWW HH ENT   Q02 Q03 Q04 Q05A Q05B Q06   Q07 Q08 Q09 Q10 Q11
1156 78717 787 17   1 10800   0   0  400    0   0 10400   0   0   0   0
```

✓ Definition of non-farm enterprises income

Net revenues (f$Q07), if d$Q07=1

Net revenues (f$Q07) * the share owned by the household (d$Q08), if d$Q07=2

```
> f$nonfarm.income<-ifelse(d$Q07==1,f$Q07,f$Q07*d$Q08/100)
> head(f)
  WWWHH WWW HH ENT    Q02 Q03   Q04   Q05A Q05B   Q06   Q07  Q08 Q09    Q10    Q11 nonfarm.income
1 50101 501  1   1   1600   0     0      0  800     0   800  320   0   1500   1600            800
2 50104 501  4   1  91000   0     0  77350    0     0 13650 2000   0   8000   4000          13650
3 50210 502 10   1 400000   0   338 360000    0  6000 33662    0   0 500000 600000          33662
4 50307 503  7   1   5000   0     0      0    0     0  5000    0   0   2000   2000           5000
5 50407 504  7   1  40000   0   900  25000    0     0 14100    0   0  22000  65000          14100
6 50408 504  8   1 130000   0 12000  90000    0 10000 18000    0   0      0 150000          18000
> table(f$nonfarm.income<=0,useNA="ifany")
FALSE  TRUE  <NA>
 1333    29     3
```

✓ Aggregated non-farm income at household level.

```
> g<-tapply(f$nonfarm.income,f$WWWHH,sum,na.rm=T)
> dim(g)
[1] 1105
> table(g<=0,useNA="ifany")
FALSE  TRUE
 1084    21
```

✓ Created household-level data frame of non-farm income

```
> hhnonfarm<-data.frame(WWWHH=names(g),nonfarm.income=g,row.names=NULL)
```

```
> dim(hhnonfarm)
[1] 1105    2
> head(hhnonfarm)
  WWWHH nonfarm.income
1 50101              800
2 50104            13650
3 50210            33662
4 50307             5000
5 50407            14100
6 50408            18000
```

Cost

to be continued

9.4 NON-AGRICULTURAL RENTAL INCOME

Items to add
income from renting out non agriculture property
income from renting out non agriculture assets

Section 13 Credit and savings　Part C

XT068: Section 13, Part C

Unit: Household

Q06: Rent from renting-out residential property and land property received 12 months

Q12: Rent from renting other real assets received 12 months

```
> d<-outfiles[[68]]
> dim(d)
[1] 3911   15
> head(d)
  WWWHH WWW HH Q01 Q02 Q03 Q04 Q05 Q06 Q07 Q08 Q09 Q10 Q11 Q12
1 50101 501  1   2  NA  NA  NA   0   0   2  NA  NA  NA   0   0
2 50102 501  2   2  NA  NA  NA   0   0   2  NA  NA  NA   0   0
3 50104 501  4   2  NA  NA  NA   0   0   2  NA  NA  NA   0   0
4 50105 501  5   2  NA  NA  NA   0   0   2  NA  NA  NA   0   0
5 50107 501  7   2  NA  NA  NA   0   0   2  NA  NA  NA   0   0
6 50108 501  8   2  NA  NA  NA   2   0   2  NA  NA  NA   0   0
> sum(duplicated(d$WWWHH))
[1] 0
> table(d$Q06>0|d$Q12>0,useNA="ifany")
FALSE  TRUE  <NA>
 3790   120     1
> nrow(d[is.na(d$Q06),])
[1] 0
> d[is.na(d$Q12),]
   WWWHH WWW HH Q01     Q02     Q03 Q04 Q05 Q06 Q07 Q08 Q09 Q10     Q11 Q12
94 50816 508 16   1 1200000 1200000   0   0   0   2  NA  NA  NA 1200000  NA
> d$nonagri.rent<-rowSums(d[,c("Q06","Q12")],na.rm=T)
> table(d$nonagri.rent>0,useNA="ifany")
```

```
FALSE  TRUE
 3791   120
> head(d[d$nonagri.rent>0,])
   WWWHH WWW HH Q01   Q02     Q03 Q04 Q05   Q06 Q07   Q08   Q09 Q10  Q11    Q12
42 50408 504  8   2    NA      NA  NA   0     0   2    NA    NA  NA 3000   3000
43 50410 504 10   1 4e+06 3800000   0   0 40000   2    NA    NA  NA    0      0
66 50611 506 11   1 2e+05  170000   0   0 84000   2    NA    NA  NA    0      0
89 50808 508  8   1 5e+06 4800000   0   0 60000   2    NA    NA  NA    0      0
92 50813 508 13   1 6e+05  600000   0   0 36000   1 5e+05 5e+05   0    0 144000
95 50817 508 17   1 6e+05  600000   0   0 20000   2    NA    NA  NA    0      0
   nonagri.rent
42         3000
43        40000
66        84000
89        60000
92       180000
95        20000
> hhnonagrirent<-d
```

9.5 TRANSFER INCOME

Section 14 Remittances and transfers Part B

XT072: Section 14, Part B: Remittances and transfer income received

Unit: IDR (ID of respondent) and LNO (Line number)

Q03: ID of receipent

Q09A: Remittances received in cash 12 months

Q09B: Remittances received in-kind 12 months

```
> d<-outfiles[[72]]
> dim(d)
[1] 1497   16
> head(d)
  WWWHH WWW HH LNO IDR                      Q02 Q03 Q04 Q05 Q06 Q07A Q07B Q08  Q09A
1 50102 501  2   1   1 Ganga Ram               1   2   1  32   81    NA   2 14000
2 50105 501  5   1   1 Thaneshwor baral        1   2   1  43   81    NA   2 13000
3 50108 501  8   1   1 Surya prasad baral      1   2   1  27   81    NA   2 23000
4 50110 501 10   1   2 Yam B. Rana             1   5   1  21   81    NA   2  9600
5 50113 501 13   1   1 Siddi                   1   2   1  35   81    NA   2 70000
6 50202 502  2   1   1 Ishwar Khattri          1   3   1  32   56     2   2 10000
  Q09B Q10
1 1365   3
2    0   3
3    0   3
4  700   3
5 7000   3
6 3000   3
> table(is.na(d$Q09A))
FALSE
 1497
> table(is.na(d$Q09B))
FALSE
 1497
> d$remittance<-d$Q09A+d$Q09B
```

✓ Aggregated the remittances received at recipient level.

```
> d$RID<-paste(d$WWWHH,d$Q03,sep="/")
> e<-tapply(d$remittance,d$RID,sum)
> head(e)
50102/1 50105/1 50108/1 50110/1 50113/1 50202/1
  15365   13000   23000   10300   77000   13000
> f<-data.frame(RID=names(e),remittance=e,row.names=NULL)
> dim(f)
[1] 1273    2
> head(f)
      RID remittance
1 50102/1      15365
2 50105/1      13000
3 50108/1      23000
4 50110/1      10300
5 50113/1      77000
6 50202/1      13000
>receipt.remittance<-f
```

✓ Aggregated the remittances received at household level.

```
> e<-tapply(d$remittance,d$WWWHH,sum)
> f<-data.frame(WWWHH=names(e),remittance=e,row.names=NULL)
> dim(f)
[1] 1207    2
> head(f)
  WWWHH remittance
1 50102      15365
2 50105      13000
3 50108      23000
4 50110      10300
5 50113      77000
6 50202      13000
> table(f$remittance>0)
TRUE
1207
> hhremittance<-f
```

9.6 IMPUTED RENT (VALUE OF OWNER-OCCUPIED HOUSING)

Items to add
imputed rental value of housing which would had to be paid to purchase housing services

- This value was discussed in Chapter 8 of Consumption.

9.7 OTHER INCOME

Items to add
interest, dividends, profit earning from shares and savings/deposit accounts
Pension income (Domestic and Foreign)
Commission fees and royalties, other incomes

XT073: Section 15: Other income (interest, dividends, profit, payments, etc.)

Unit: Household

Q01: Type of assets

Q04: Amount received in 12 months

```
> d<-outfiles[[73]]
> dim(d)
[1] 10434     7
> head(d)
  WWWHH WWW HH Q01 Q02 Q03 Q04
1 50101 501  1 101 350 100   0
2 50101 501  1 102   0   0   0
3 50101 501  1 103   0   0   0
4 50101 501  1 104   0   0   0
5 50101 501  1 105  NA  NA   0
6 50101 501  1 106  NA  NA   0
> length(unique(d$WWWHH))
[1] 3798
> table(is.na(d$Q04))
FALSE  TRUE
 9909   525
```

✓ Aggregated the other income at household level.

```
> e<-tapply(d$Q04,d$WWWHH,sum,na.rm=T)
> f<-data.frame(WWWHH=names(e),otherincome=e)
> dim(f)
[1] 3798    2
> head(f)
```

```
      WWWHH otherincome
50101 50101           0
50102 50102           0
50104 50104           0
50105 50105           0
50107 50107       18000
50108 50108           0
> table(is.na(f$otherincome))
FALSE
 3798
> table(f$otherincome>0)
FALSE  TRUE
 2690  1108
> hhotherincome<-f
```

- 1,108 sample households have positive other income.

✓ Source of other income

```
> g<-subset(d,Q04>0)
> dim(g)
[1] 1368    7
> addmargins(table(g$Q01,useNA="ifany"))
 101  102  103  104  105  106  107  108  Sum
 616   21   42  127   94  112    6  350 1368
```

Chapter 10. Housing

- The Big Earthquake occurred in April 2015 caused the ruinous damages in Nepal. One reason may be that many houses were made of bricks bounded by mud. The survey result shows that even richer households in rural area live in dwellings made of mud bonded bricks.

- About the reason for constructing mud bonded bricks and durable years of dwellings made of mud bonded bricks, the delegates from Nepal to the seventh workshop in December 2015 explained as follows;

  (a) - The reason for constructing mud bonded bricks are:-

  1. Mud and mud bricks are locally available raw material.
  2. They are cheaper than other raw materials like stone, cement, reinforcing bars.
  3. Lack of skilled workers.

  (b) - Durable years of dwellings made of mud bonded bricks is about 25-30 years.

Data file

Section2 Part A: Type of dwelling

```
> df<-outfiles[[6]]
> dim(df)
[1] 3912   23
> head(df)
  WWWHH WWW HH Q01 Q02A Q02B Q02C Q02D Q02E Q02F Q02G Q02H Q03 Q04 Q05 Q06 Q07
1 50101 501  1   1    4    0    0    1    0    0    3    0   1   2   1   1   1
2 50102 501  2   1    1    0    0    0    0    0    1    0   1   2   1   2   2
3 50104 501  4   1    5    1    0    1    0    1    1    1   1   2   1   4   2
4 50105 501  5   1    3    0    0    1    0    0    2    0   1   2   2   4   1
5 50107 501  7   1    4    1    0    1    0    0    1    1   2   2   1   1   2
6 50108 501  8   1    5    1    0    1    0    0    2    1   1   2   1   4   2
  Q08A Q08B Q08C Q08D Q09 Q10
1    1    0   11    0 592   1
2    1    0    2    0 324   1
3    1    0   12    0 546   1
4    1    0    9    2 504   1
5    1    0    5    0 182   1
```

```
6    1    0    6    0 210   2
> df<-merge(df,www,by="WWW",all.x=T)
> head(df)
  WWW WWWHH HH Q01 Q02A Q02B Q02C Q02D Q02E Q02F Q02G Q02H Q03 Q04 Q05 Q06 Q07
1 501 50101  1   1    4    0    0    1    0    0    3    0   1   2   1   1   1
2 501 50102  2   1    1    0    0    0    0    0    1    0   1   2   1   2   2
3 501 50104  4   1    5    1    0    1    0    1    1    1   1   2   1   4   2
4 501 50105  5   1    3    0    0    1    0    0    2    0   1   2   2   4   1
5 501 50107  7   1    4    1    0    1    0    0    1    1   2   2   1   1   2
6 501 50108  8   1    5    1    0    1    0    0    2    1   1   2   1   4   2
  Q08A Q08B Q08C Q08D Q09 Q10 Team dist ur reg zone    hhwt
1    1    0   11    0 592   1   12   46  2   3    2 1323.07
2    1    0    2    0 324   1   12   46  2   3    2 1323.07
3    1    0   12    0 546   1   12   46  2   3    2 1323.07
4    1    0    9    2 504   1   12   46  2   3    2 1323.07
5    1    0    5    0 182   1   12   46  2   3    2 1323.07
6    1    0    6    0 210   2   12   46  2   3    2 1323.07
```

WALL MATERIAL

```
> t<-tapply(df$hhwt,df$Q04,sum,na.rm=T)
> names(t)<-c("Cement bonded bricks","Mud bonded bricks","Wood","Concrete","Unbaked bricks",
+ "Other","No walls")
> round(prop.table(t)*100,1)

# Proportion of sample households by wall material (%)
Cement bonded bricks    Mud bonded bricks                 Wood
                18.3                 46.5                 18.5
            Concrete       Unbaked bricks                Other
                 0.1                  1.0                 15.5
           No walls
                 0.2


> m<-tapply(df$hhwt,list(df$Q04,df$ur),sum,na.rm=T)
> rownames(m)<-c("Cement bonded bricks","Mud bonded bricks","Wood","Concrete","Unbaked bricks",
+ "Other","No walls")
```

```
> colnames(m)<-c("Urban","Rural")
> round(prop.table(m,2)*100,1)

# Proportion of sample households by wall material and urban/rural (%)
                     Urban Rural
Cement bonded bricks  58.0  11.1
Mud bonded bricks     27.3  50.0
Wood                   9.3  20.2
Concrete               0.2   0.0
Unbaked bricks         0.6   1.1
Other                  4.6  17.5
No walls               0.1   0.2


> m<-tapply(df$hhwt,list(df$QO4,df$zone),sum,na.rm=T)
> m[is.na(m)]<-0
> rownames(m)<-c("Cement bonded bricks","Mud bonded bricks","Wood","Concrete","Unbaked bricks",
+ "Other","No walls")
> colnames(m)<-c("Mountains","Hills","Tarai")
> round(prop.table(m,2)*100,1)

# Proportion of sample households by wall material and ecological zone (%)
                     Mountains Hills Tarai
Cement bonded bricks       1.5  18.3  20.9
Mud bonded bricks         90.4  71.1  16.1
Wood                       4.0   5.5  33.2
Concrete                   0.0   0.1   0.1
Unbaked bricks             0.0   1.5   0.6
Other                      4.1   3.5  28.8
No walls                   0.0   0.1   0.3


> m<-tapply(df$hhwt,list(df$QO4,df$reg),sum,na.rm=T)
> m[is.na(m)]<-0
> rownames(m)<-c("Cement bonded bricks","Mud bonded bricks","Wood","Concrete","Unbaked bricks",
+ "Other","No walls")
```

```
> colnames(m)<-c("East","Central","West","Mid West","Far West")
> round(prop.table(m,2)*100,1)

# Proportion of sample households by wall material and development region (%)
                      East Central West Mid West Far West
Cement bonded bricks  10.8    23.4 25.2     11.3      9.5
Mud bonded bricks     29.1    38.9 63.8     71.7     53.1
Wood                  33.4    14.2  6.7     14.1     30.6
Concrete               0.0     0.2  0.0      0.0      0.0
Unbaked bricks         0.1     2.1  0.3      1.2      0.0
Other                 26.5    21.0  4.0      1.7      6.3
No walls               0.0     0.4  0.0      0.0      0.4
```

- Summary

Table Proportion of sample households by wall material and areas

Wall material		Nepal	Urban/rural		Ecological zone			Development region				
			Urban	Rural	Mountains	Hills	Tarai	East	Central	West	Mid West	Far West
1	Cement bonded bricks	18.3	58.0	11.1	1.5	18.3	20.9	10.8	23.4	25.2	11.3	9.5
2	Mud bonded bricks	46.5	27.3	50.0	90.4	71.1	16.1	29.1	38.9	63.8	71.7	53.1
3	Wood	18.5	9.3	20.2	4.0	5.5	33.2	33.4	14.2	6.7	14.1	30.6
4	Concrete	0.1	0.2	0.0	0.0	0.1	0.1	0.0	0.2	0.0	0.0	0.0
5	Unbaked bricks	1.0	0.6	1.1	0.0	1.5	0.6	0.1	2.1	0.3	1.2	0.0
6	Other	15.5	4.6	17.5	4.1	3.5	28.8	26.5	21.0	4.0	1.7	6.3
7	No walls	0.2	0.1	0.2	0.0	0.1	0.3	0.0	0.4	0.0	0.0	0.4

Wall Material by Quintile Group

```
# Appended the variable of per capita income quintile group to df
> df<-merge(df,summary[,c("WWWHH","c2_rpcinc_quintile")],by="WWWHH")
> dim(df)
[1] 3912   31
> colnames(df)[31]
[1] "c2_rpcinc_quintile"
> colnames(df)[31]<-"pcincq"

# Number of sample households by quintile group and urban/rural
> (den<-addmargins(tapply(df$WWWHH,list(df$pcincq,df$ur),length),2))
    1   2  Sum
1  70 564  634
2  69 573  642
3 131 573  704
4 217 604  821
5 593 518 1111

# Sample households with wall of  “cement bonded bricks”  or  “concrete”
> df2<-subset(df,Q04==1|Q04==4)
> (num<-addmargins(tapply(df2$WWWHH,list(df2$pcincq,df2$ur),length),2))
    1   2 Sum
1  16  21  37
2  16  25  41
3  45  45  90
4 104  71 175
5 442 149 591

> colnames(num)<-c("Urban","Rural","Nepal")
> rownames(num)<-paste("Q",1:5,sep="")
```

```
# Proportion of sample households with wall of “cement bonded bricks” or “concrete”
> (round(num/den*100,1))
   Urban Rural Nepal
Q1  22.9   3.7   5.8
Q2  23.2   4.4   6.4
Q3  34.4   7.9  12.8
Q4  47.9  11.8  21.3
Q5  74.5  28.8  53.2
```

- Summary

  The higher income group shows the higher proportion of households living in houses with more quake-resistant walls both in urban and rural both in urban and rural. However, the levels of the proportion are quite different between urban and rural.

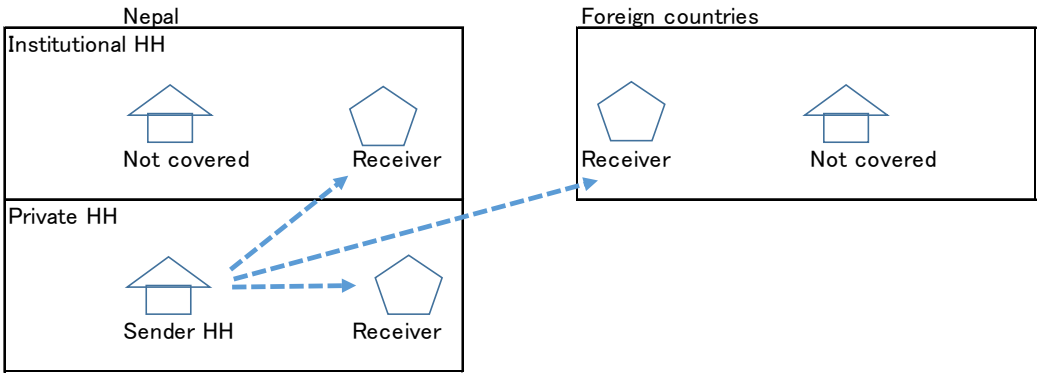
Chapter 11. Migration and remittance transfer

Section 14 Remittances and Transfers of the questionnaire has PartA and Part B. Part A focuses on the characteristics of remittance receivers, while Part B focuses on the characteristics of remittance senders.

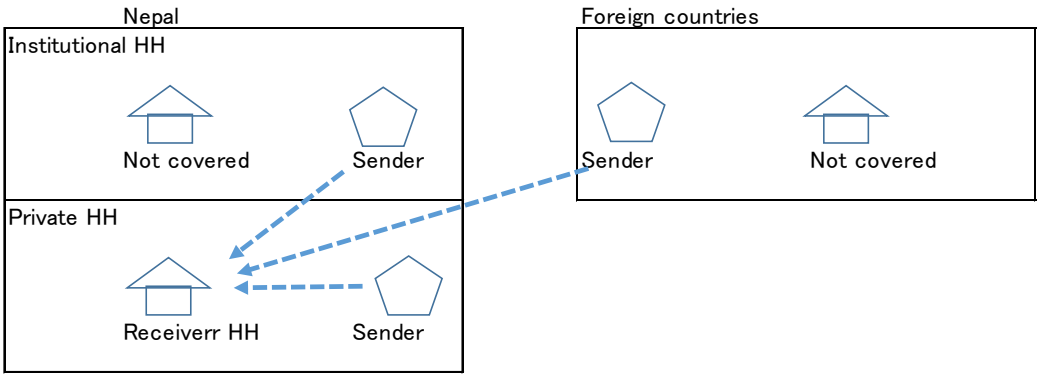
Part A is proper for analysis of receivers, because the receivers living in institutional households are not covered in Part B.

The receivers surveyed in Part A include those living in institutional households as well as in foreign countries. However, the remittances sent from institutional households and foreign countries are excluded in Part A.

Part A: Remittances sent



Part B: Remittances received



Note: The figures in this chapter are un-weighted results.

- According to the delegates from Nepal to the seventh workshop,

"*In the survey Remittance is defined as the transferred income received by household within the last twelve (12) months in this survey (NLSS II 2003/04). Large number of Nepalese workers from foreign countries send more remittance as compared with internal remittance (inside country). According to NLSS II report, total remittance received is about NRs. 46 billion out of this internal remittance is about NRs 10.87 billion (23.5%). So in report of NLSS II, it is said that many male workers are working in foreign countries and their remittances occupies a large share in the economy.*

Questionnaire form Part A, Section 14 assumes a case such that a son's family is living in Kathmandu and sending money to his parents living in rural area. It is right that this form does not cover workers in foreign countries.

Questionnaire form Part B, Section 14 is related to questions on remittances received. It is possible to capture the remittances from abroad but it is impossible to capture the number of foreign workers."

SECTION 14. REMITTANCES AND TRANSFER PART A:

REMITTANCES AND TRANSFER INCOME SENT

```
# XT069: Sent anything? (household file)
> d<-outfiles[[69]]
> dim(d)
[1] 3911    4
> head(d)
  WWWHH WWW HH Q01
1 50101 501  1   2
2 50102 501  2   2
3 50104 501  4   2
4 50105 501  5   2
5 50107 501  7   2
6 50108 501  8   2
> t<-table(d$Q01,useNA="always")
```

```
> names(t)[1:2]<-c("Remittance sent","No")
> addmargins(t)

# Number of households by whether remittance sent
Remittance sent              No            <NA>             Sum
            460            3450               1            3911
```

- 460 sample households sent remittances to those who were not household members.

```
################################################################################
# XT070: Remittances sent
# Unit of record: RECIPIENT (RECEIVER) who is not a household member
> d<-outfiles[[70]]
> dim(d)
[1] 575  14
> head(d[-6])
  WWWHH WWW HH LNO IDR Q03 Q04 Q05 Q06A Q06B Q07    Q08A Q08B pl
1 50311 503 11   1   1   1   3   1   59    1   5   25000    0  2
2 50402 504  2   1   1   1   3   1   86   NA   2  100000    0  6
3 50408 504  8   1   2   2   2   1   86   NA   2   30000    0  6
4 50410 504 10   1   1   1   5   1   27    1   6 1560000    0  1
5 50505 505  5   1   2   1   3   1   15    2   2    2300    0  3
6 50607 506  7   1   3   1  14   2   50    2   4    5400  500  3
```

Note: THe sixth column of Q02 is not displayed because Q02 is receiver' s name.

```
# Number of households by number of receivers from the housheold
> addmargins(table(tapply(d$WWWHH,d$WWWHH,length),useNA="always"))
   1    2    3    4    5    8 <NA>  Sum
 375   67   12    3    2    1    0  460
```

```
# Sex and relationship of receiver
> m<-table(d$Q04,d$Q05,useNA="ifany")
```

```
> relation.code<-c("1 HEAD","2 WIFE/HUSBAND","3 SON/DAUGHTER","4 GRANDCHILD",
+ "5 FATHER/MOTHER","6 SISTER/BROTHER","7 NIECE/NEPHEW","8 SON/DAUGHTER-IN-LAW",
+ "9 BROTHER/SISTER-IN-LAW","10 FATHER/MOTHER-IN-LAW","11 OTHER RELATIVE",
+ "12 SERVANT/SERVANT'S RELATIVE","13 TENANT/TENANT'S RELATIVE",
+ "14 OTHER PERSON NOT RELATED")
> rownames(m)<-relation.code[-c(1,13)]
> colnames(m)<-c("Male","Female")
> addmargins(m)

# Number of receivers by sex and relationship to the sender
                              Male Female Sum
  2 WIFE/HUSBAND                 9     33  42
  3 SON/DAUGHTER               183    123 306
  4 GRANDCHILD                   2      7   9
  5 FATHER/MOTHER               73     37 110
  6 SISTER/BROTHER              25     30  55
  7 NIECE/NEPHEW                 5      4   9
  8 SON/DAUGHTER-IN-LAW          3      6   9
  9 BROTHER/SISTER-IN-LAW        4      4   8
  10 FATHER/MOTHER-IN-LAW        1      6   7
  11 OTHER RELATIVE              7      5  12
  12 SERVANT/SERVANT'S RELATIVE  3      1   4
  14 OTHER PERSON NOT RELATED    3      1   4
  Sum                          318    257 575
```

- 306 receivers were sons/daughters, and 110 receivers were fathers/mothers.

```
# Sex and occupation of receivers
> m<-table(d$QO7,d$QO5,useNA="ifany")
> occupation.code<-c("1WAGE EMPLOYMENT IN AGRICULTURE","2WAGE EMPLOYMENT NOT IN AGRICULTURE",
+ "3 SELF EMPLOYMENT IN AGRICULTURE","4SELF EMPLOYMENT NOT IN AGRICULTURE",
+ "5 STUDENT","6 OTHER")
> rownames(m)<-occupation.code
> colnames(m)<-c("Male","Female")
> addmargins(m)
```

Number of receivers by sex and occupation

	Male	Female	Sum
1WAGE EMPLOYMENT IN AGRICULTURE	9	11	20
2WAGE EMPLOYMENT NOT IN AGRICULTURE	42	13	55
3 SELF EMPLOYMENT IN AGRICULTURE	**77**	**96**	173
4SELF EMPLOYMENT NOT IN AGRICULTURE	16	18	34
5 STUDENT	**162**	**73**	235
6 OTHER	12	46	58
Sum	318	257	575

Sex, relation and occupation of receivers

```
> m<-table(d$Q04,d$Q07,d$Q05,useNA="ifany")
> occ.code<-c("1WAGE_AGRI","2WAGE_NONAGRI","3SELF_AGRI","4SELF_NONAGRI",
+ "5STUDENT","6OTHER")
> dimnames(m)<-list(relation.code[c(-1,-13)],occ.code,c("Male","Female"))
> m
```

, , **Male**

	1WAGE_AGRI	2WAGE_NONAGRI	3SELF_AGRI	4SELF_NONAGRI	5STUDENT	6OTHER
2 WIFE/HUSBAND	0	5	1	1	1	1
3 SON/DAUGHTER	1	**23**	9	3	**141**	6
4 GRANDCHILD	0	0	1	0	1	0
5 FATHER/MOTHER	4	3	**49**	8	4	5
6 SISTER/BROTHER	1	5	8	1	10	0
7 NIECE/NEPHEW	0	1	1	0	3	0
8 SON/DAUGHTER-IN-LAW	1	2	0	0	0	0
9 BROTHER/SISTER-IN-LAW	0	0	3	1	0	0
10 FATHER/MOTHER-IN-LAW	0	0	1	0	0	0
11 OTHER RELATIVE	0	2	3	2	0	0
12 SERVANT/SERVANT'S RELATIVE	1	1	1	0	0	0
14 OTHER PERSON NOT RELATED	1	0	0	0	2	0

, , **Female**

	1WAGE_AGRI	2WAGE_NONAGRI	3SELF_AGRI	4SELF_NONAGRI	5STUDENT	6OTHER
2 WIFE/HUSBAND	0	2	**22**	2	0	7
3 SON/DAUGHTER	3	7	**40**	5	**54**	14
4 GRANDCHILD	0	0	0	0	5	2
5 FATHER/MOTHER	1	2	**17**	4	3	10
6 SISTER/BROTHER	2	2	8	5	7	6
7 NIECE/NEPHEW	0	0	1	0	0	3
8 SON/DAUGHTER-IN-LAW	1	0	1	0	3	1
9 BROTHER/SISTER-IN-LAW	0	0	1	0	1	2
10 FATHER/MOTHER-IN-LAW	2	0	2	1	0	1
11 OTHER RELATIVE	2	0	3	0	0	0
12 SERVANT/SERVANT'S RELATIVE	0	0	1	0	0	0
14 OTHER PERSON NOT RELATED	0	0	0	1	0	0

```
# Place of receivers: Urban/rural
> table(is.na(d$QO6B),d$QO6A<=75,useNA="ifany")
       FALSE TRUE
  FALSE     0  505
  TRUE     70    0
> m<-table(d$QO6B,d$QO5,useNA="ifany")
> rownames(m)<-c("Urban","Rural","Foreign countries")
> colnames(m)<-c("Male","Female")
> addmargins(m)

# Number of receivers by sex and urban/rural
                   Male Female Sum
  Urban             147     71 218
  Rural             136    151 287
  Foreign countries  35     35  70
  Sum               318    257 575
```

- Male receivers lived in both urban and rural area, while female receivers lived mainly in rural area.

```
# Place and occupation of receivers
> m<-table(d$QO7,d$QO6B,d$QO5,useNA="ifany")
> dimnames(m)<-list(occ.code,c("Urban","Rural","Foreign countries"),
+ c("Male","Female"))
> m
, , Male

             Urban Rural Foreign countries
1WAGE_AGRI       1     8                 0
2WAGE_NONAGRI   24    10                 8
3SELF_AGRI       7    64                 6
4SELF_NONAGRI    3    11                 2
5STUDENT       106    37                19
6OTHER           6     6                 0

, , Female

             Urban Rural Foreign countries
1WAGE_AGRI       1    10                 0
2WAGE_NONAGRI    5     6                 2
3SELF_AGRI       3    85                 8
4SELF_NONAGRI    8     9                 1
5STUDENT        39    23                11
6OTHER          15    18                13


# Place of receivers: District
> table(d$QO6A,useNA="ifany")

 1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 25 26 27
 2  1  7 23 25 14  3  1 13  2  4  3  9  4  7 21 14  7  7  3  3  3  8  7  4 93
28 30 31 32 33 34 35 36 37 38 39 40 41 43 44 46 47 48 49 50 51 52 53 55 56 57
 2  5  9  6 10 13  6  3  1  9  4 19  1  1  3  3  5  8  9  6  3  5  2  1 13 16
58 59 60 61 63 64 66 68 69 70 71 72 73 75 81 83 84 86 87 90 91 92 93
```

8 11 1 3 2 1 2 4 1 4 10 4 2 1 **52** 2 1 2 1 1 3 4 4

Top Five

Code	Description	Number
27	Kathmandu	93
81	India	52
5	Morang	25
4	Jhapa	23
16	Siraha	21

Grouped receivers' place as the next;

No	Senders' place	Definition
1	Kathmandu	Q06A=27
2	Other Urban Nepal	Q06A!=27 & Q06A<=75 & Q06B=1
3	Rural Nepal	Q06A<=75 & Q06B=2
4	India	Q06A=81
5	Middle East	Q06A=88, 89, 90
6	Other countries	Q06A=82 to 87, 91 to 93
7	Donor agencies	Q06A=NA (none)

```
> d$pl<-ifelse(d$Q06A==27,1,0)
> d$pl<-ifelse(d$Q06A!=27 & d$Q06A<=75 & d$Q06B==1,2,d$pl)
> d$pl<-ifelse(d$Q06A<=75 & d$Q06B==2,3,d$pl)
> d$pl<-ifelse(d$Q06A==81,4,d$pl)
> d$pl<-ifelse(is.element(d$Q06A,88:90),5,d$pl)
> d$pl<-ifelse(is.element(d$Q06A,c(82:87,91:93)),6,d$pl)
> d$pl<-ifelse(is.na(d$Q06A),7,d$pl)
> table(d$pl,useNA="always")
   1    2    3    4    5    6 <NA>
  86  132  287   52    1   17    0
```

Number of receivers by sex and place

```
> m<-table(d$pl,d$QO5,useNA="ifany")
> pl.code <-c("Kathmandu","Other Urban","Rural","India","Middle East",
+ "Other countries")
> rownames(m)<-pl.code
> colnames(m)<-c("Male","Female")
> addmargins(m)
                 Male Female Sum
  Kathmandu        62     24  86
  Other Urban      85     47 132
  Rural           136    151 287
  India            23     29  52
  Middle East       1      0   1
  Other countries  11      6  17
  Sum             318    257 575
```

- Out of 218 receivers in urban area, 86 receivers lived in Kathmandu.
- Out of 70 receivers in foreign countries, 52 receivers lived in India.

```
# Number of receivers by sex, place and occupation
> m<-table(d$pl,d$QO7,d$QO5,useNA="ifany")
> dimnames(m)<-list(pl.code,occ.code,c("Male","Female"))
> m
, , Male

                1WAGE_AGRI 2WAGE_NONAGRI 3SELF_AGRI 4SELF_NONAGRI 5STUDENT 6OTHER
Kathmandu                0            10          0             2       47       3
Other Urban              1            14          7             1       59       3
Rural                    8            10         64            11       37       6
India                    0             4          6             2       11       0
Middle East              0             1          0             0        0       0
Other countries          0             3          0             0        8       0

, , Female

                1WAGE_AGRI 2WAGE_NONAGRI 3SELF_AGRI 4SELF_NONAGRI 5STUDENT 6OTHER
```

Kathmandu	0	3	0	1	14	6
Other Urban	1	2	3	7	**25**	9
Rural	10	6	**85**	9	**23**	18
India	0	1	8	1	6	13
Middle East	0	0	0	0	0	0
Other countries	0	1	0	0	5	0

Summary

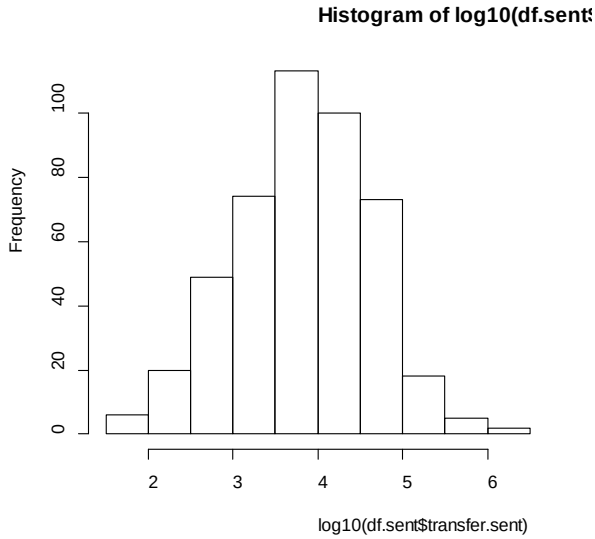
1. Majority of cases of remittance receivers are son/doughter who are students. Many of them are living urban area, while some are even in foreign countries.

2. In cases of remittance receivers being father/mother, most of them are self-employed in agriculture in rural area.

```
# Amount sent by household over the past 12 months
# Generated household-level data frame
> t<-tapply(d$Q08A+d$Q08B,d$WWWHH,sum,na.rm=T)
> length(t)
[1] 460
> head(t)
  50311   50402   50408   50410   50505   50607
  25000  100000   30000 1560000    2300    5900
> df.sent<-data.frame(WWWHH=names(t),transfer.sent=t,row.names=NULL)
> head(df.sent)
  WWWHH transfer.sent
1 50311          25000
2 50402         100000
3 50408          30000
4 50410        1560000
5 50505           2300
6 50607           5900
> summary(df.sent$transfer.sent)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
```

```
      50     2000     7500    36020    25000 1800000
```

```
# Distribution of the amount of remittances sent by the household
> hist(log10(df.sent$transfer.sent))
```



SECTION 14. REMITTANCES AND TRANSFERS PART B

REMITTANCES AND TRANSFER INCOME RECEIVED

Part B covers remittances received by private households in Nepal. The remittances received include those from institutional households as well as those from foreign countries.

```
# XT071: Received anything? (household file)
> d<-outfiles[[71]]
> dim(d)
[1] 3911    4
> head(d)
  WWWHH WWW HH Q01
1 50101 501  1   2
2 50102 501  2   1
3 50104 501  4   2
4 50105 501  5   1
5 50107 501  7   2
6 50108 501  8   1

> t<-table(d$Q01,useNA="ifany")
> names(t)<-c("Remittance received","No")
> addmargins(t)

# Number of households by whether remittance received
Remittance received                  No                 Sum
               1207                2704                3911


# Ratio of households received remittances by urban/rural
> m<-tapply(d$WWWHH,list(d$urbrural,d$Q01),length)
> rownames(m)<-c("Urban","Rural")
> colnames(m)<-c("Remittance received","No")
> m<-addmargins(m,1)
> addmargins(round(prop.table(m,1)*100,1),2)
      Remittance received   No Sum
```

Urban	**25.5**	74.5	100
Rural	**33.1**	66.9	100
Sum	30.9	69.1	100

- The ratio of household received remittances in rural area was higher than in urban area.

```
################################################################################
# XT072: Remittances received
# Unit of record: DONOR (SENDER)
# Receiver is a household member
# Sender is not a household member

> d<-outfiles[[72]]
> dim(d)
[1] 1497   16
> head(d[-6])
  WWWHH WWW HH LNO IDR Q03 Q04 Q05 Q06 Q07A Q07B Q08  Q09A Q09B Q10
1 50102 501  2   1   1   1   2   1  32   81   NA   2 14000 1365   3
2 50105 501  5   1   1   1   2   1  43   81   NA   2 13000    0   3
3 50108 501  8   1   1   1   2   1  27   81   NA   2 23000    0   3
4 50110 501 10   1   2   1   5   1  21   81   NA   2  9600  700   3
5 50113 501 13   1   1   1   2   1  35   81   NA   2 70000 7000   3
6 50202 502  2   1   1   1   3   1  32   56    2   2 10000 3000   3
```

Note: The sixth column of Q02 is not displayed because Q02 is sender' s name.

```
# Number of households by number of senders to the household
> addmargins(table(tapply(d$WWWHH,d$WWWHH,length)))
   1    2    3    4    5    6  Sum
 989  159   49    8    1    1 1207
```

```
# Sex and relationship of senders
> m<-table(d$Q04,d$Q05,useNA="ifany")
> relation.code<-c("1 HEAD","2 WIFE/HUSBAND","3 SON/DAUGHTER","4 GRANDCHILD",
+ "5 FATHER/MOTHER","6 SISTER/BROTHER","7 NIECE/NEPHEW","8 SON/DAUGHTER-IN-LAW",
+ "9 BROTHER/SISTER-IN-LAW","10 FATHER/MOTHER-IN-LAW","11 OTHER RELATIVE",
+ "12 SERVANT/SERVANT'S RELATIVE","13 TENANT/TENANT'S RELATIVE",
+ "14 OTHER PERSON NOT RELATED")
> rownames(m)<-relation.code[-c(1,13)]
> colnames(m)<-c("Male","Female","Donor agency")
> addmargins(m)
```

Number of senders by sex and relationship to the receivers

	Male	Female	Donor agency	Sum
2 WIFE/HUSBAND	**325**	11	0	336
3 SON/DAUGHTER	**633**	73	0	706
4 GRANDCHILD	2	1	0	3
5 FATHER/MOTHER	145	33	0	178
6 SISTER/BROTHER	124	18	0	142
7 NIECE/NEPHEW	7	2	0	9
8 SON/DAUGHTER-IN-LAW	19	7	0	26
9 BROTHER/SISTER-IN-LAW	19	13	0	32
10 FATHER/MOTHER-IN-LAW	14	0	0	14
11 OTHER RELATIVE	25	7	1	33
12 SERVANT/SERVANT'S RELATIVE	1	0	0	1
14 OTHER PERSON NOT RELATED	8	3	6	17
Sum	**1322**	168	7	1497

Note: "Donor agency" means that the sender is an organization.

- Majority of senders were male. Out of 1,322 male senders, sons occupied 633 and husbands 325.

```
# Age of senders
> m<-table(cut(d$Q06,breaks=seq(0,100,by=10),right=F,including.lowest=T),d$Q05,
```

```
+ useNA="ifany")
> colnames(m)<- c("Male","Female","Donor agency")
> addmargins(m)
```

	Male	Female	Donor agency	Sum
[0,10)	2	0	0	2
[10,20)	117	16	0	133
[20,30)	**507**	38	0	545
[30,40)	**356**	50	0	406
[40,50)	194	30	0	224
[50,60)	90	13	0	103
[60,70)	43	18	0	61
[70,80)	11	3	0	14
[80,90)	2	0	0	2
[90,100)	0	0	0	0
<NA>	0	0	7	7
Sum	1322	168	7	1497

- Out of 1,322 male senders, 507 persons were 20's and 356 were 30's.

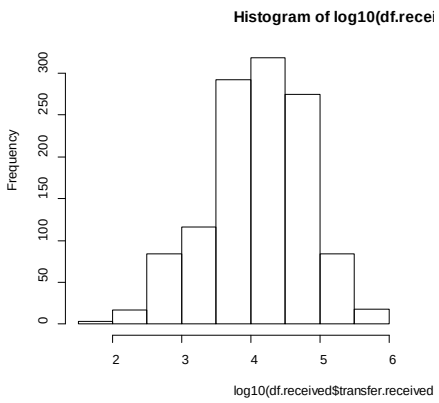
```
# Occupation of senders
> m<-table(d$Q08,d$Q05,useNA="ifany")      Q05
> occupation.code<-c("1 WAGE EMPLOYMENT IN AGRICULTURE","2 WAGE EMPLOYMENT NOT IN AGRICULTURE",
+ "3 SELF EMPLOYMENT IN AGRICULTURE","4 SELF EMPLOYMENT NOT IN AGRICULTURE",
+ "5 STUDENT","6 OTHER")
> rownames(m)[1:6]<-occupation.code
> colnames(m)<-c("Male","Female","Donor agency")
> addmargins(m)
```

	Male	Female	Donor agency	Sum
1 WAGE EMPLOYMENT IN AGRICULTURE	67	9	0	76
2 WAGE EMPLOYMENT NOT IN AGRICULTURE	**994**	52	0	1046
3 SELF EMPLOYMENT IN AGRICULTURE	96	51	0	147
4 SELF EMPLOYMENT NOT IN AGRICULTURE	**135**	25	0	160
5 STUDENT	6	0	0	6
6 OTHER	24	31	0	55
<NA>	0	0	7	7

Sum	1322	168	7	1497

- Out of 1,322 male senders, most of them worked in non-agricultural sector, mainly as wage workers.

```
# Amount received by household over the past 12 months
# Generated household-level data frame
> t<-tapply(d$QO9A+d$QO9B,d$WWWHH,sum,na.rm=T)
> length(t)
[1] 1207
> df.received<-data.frame(WWWHH=names(t),transfer.received=t,row.names=NULL)
> head(df.received)
  WWWHH transfer.received
1 50102             15365
2 50105             13000
3 50108             23000
4 50110             10300
5 50113             77000
6 50202             13000
> summary(df.received$transfer.received)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
     50    5000   14500   38620   41000  900000

# Distribution of the amount of remittances received by the household
> hist(log10(df.received$transfer.received))
```



```
# Place of senders: Urban/rural
> m<-table(d$Q07B,d$Q05,useNA="ifany")
> rownames(m)<-c("Urban","Rural","Foreign countries")
> colnames(m)<-c("Male","Female","Donor agency")
> addmargins(m)
                   Male Female Donor agency  Sum
  Urban             311     55            0  366
  Rural             296     91            0  387
  Foreign countries 715     22            7  744
  Sum              1322    168            7 1497
```

- More than half of male senders lived in foreign countries.

```
# Place of senders: District/Country
> table(d$Q07A,useNA="ifany")
  1   2   3   4   5   6   7   8   9  10  11  12  13  14  15
  9   2  10  22  34  16   7   3   7   4   7   6   6   8  10
 16  17  18  19  20  21  22  23  24  25  26  27  28  29  30
 17  27  12   7   3   5   4   6   7  12  12 213   5   2   8
 31  32  33  34  35  36  37  38  39  40  41  43  44  45  46
 13   5   8   4  16   4  10   8   9  28   1   3   2   3   4
 47  48  49  50  51  52  53  54  55  56  57  58  59  60  61
 10   7   8  13   8   2   2   1   1   5  12   6  10   4   2
 62  63  65  67  68  70  71  72  73  74  75  81  85  86  87
  1   6   2   8   5   3   9   7   5   4   3 480  10  52   6
 88  89  90  91  92  93 <NA>
 82  37  14  12  12  32   7
```

Top Five

Code	Description	Number
81	India	480
27	Kathmandu	213
88	Saudi Arabia	82

86	Malaysia	52
5	Morang	34

Grouped senders' place as the next;

No	Senders' place	Definition
1	Kathmandu	Q07A=27
2	Other Urban Nepal	Q07A!=27 & Q07A<=75 & Q07B=1
3	Rural Nepal	Q07A<=75 & Q07B=2
4	India	Q07A=81
5	Middle East	Q07A=88, 89, 90
6	Other countries	Q07A=82 to 87, 91, 92, 93
7	Donor agencies	Q07A=NA

```
> d$pl<-ifelse(d$Q07A==27 & d$Q07B==1,1,0)
> d$pl<-ifelse(d$Q07A!=27 & d$Q07A<=75 & d$Q07B==1,2,d$pl)
> d$pl<-ifelse(d$Q07A<=75 & d$Q07B==2,3,d$pl)
> d$pl<-ifelse(d$Q07A==81,4,d$pl)
> d$pl<-ifelse(is.element(d$Q07A,88:90),5,d$pl)
> d$pl<-ifelse(is.element(d$Q07A,c(82:87,91:93)),6,d$pl)
> d$pl<-ifelse(is.na(d$Q07A),7,d$pl)
> table(d$pl,useNA="always")
   1    2    3    4    5    6    7 <NA>
 193  173  387  480  133  124    7    0
```

```
# Number of senders by sex, place and occupation
> pl.code <-c("Kathmandu","Other Urban","Rural","India","Middle East",
+ "Other countries","Donor agency")
> occ.code<-c("1WAGE_AGRI","2WAGE_NONAGRI","3SELF_AGRI","4SELF_NONAGRI",
+ "5STUDENT","6OTHER","Donor agency")
> m<-table(d$pl,d$Q08,d$Q05,useNA="ifany")
> dimnames(m)<-list(pl.code, occ.code, c("Male","Female","Donor agency"))
> m<-m[1:6,1:6,1:2]
```

```
> addmargins(m)
```

, , **Male**

	1WAGE_AGRI	2WAGE_NONAGRI	3SELF_AGRI	4SELF_NONAGRI	5STUDENT	6OTHER	Sum
Kathmandu	0	127	3	29	1	6	166
Other Urban	1	96	9	33	0	6	145
Rural	24	143	77	44	1	7	296
India	35	**410**	6	15	0	5	471
Middle East	6	**118**	0	6	0	0	130
Other countries	1	100	1	8	4	0	114
Sum	67	994	96	135	6	24	1322

, , Female

	1WAGE_AGRI	2WAGE_NONAGRI	3SELF_AGRI	4SELF_NONAGRI	5STUDENT	6OTHER	Sum
Kathmandu	0	14	0	5	0	8	27
Other Urban	0	9	5	6	0	8	28
Rural	7	16	45	9	0	14	91
India	2	3	1	2	0	1	9
Middle East	0	3	0	0	0	0	3
Other countries	0	7	0	3	0	0	10
Sum	9	52	51	25	0	31	168

, , Sum

	1WAGE_AGRI	2WAGE_NONAGRI	3SELF_AGRI	4SELF_NONAGRI	5STUDENT	6OTHER	Sum
Kathmandu	0	141	3	34	1	14	193
Other Urban	1	105	14	39	0	14	173
Rural	31	159	122	53	1	21	387
India	37	413	7	17	0	6	480
Middle East	6	121	0	6	0	0	133
Other countries	1	107	1	11	4	0	124
Sum	76	1046	147	160	6	55	1490

- Out of 715 male senders in foreign countries, 410 persons were in India, followed by 118 persons in Middle East. Most of them were wage workers in non-agricultural sector.

```
# Average amount of remittance received by sex and place of sender
# over the past 12 months (in Rs.)
> m<-tapply(d$Q09A+d$Q09B,list(d$pl,d$Q05),mean)
> m<-m[1:6,1:2]
> rownames(m)<-pl.code[1:6]
> colnames(m)<-c("Male","Female")
> round(m,1)
                    Male   Female
Kathmandu        15572.9   6085.9
Other Urban      19277.8  15305.4
Rural            16185.2   6356.7
India            19068.3   3313.3
Middle East      88735.6  50000.0
Other countries 114788.1 145200.0
```

- Average amount of remittances received from “Other countries” and “Middle East” were very high.
- Among Nepal and India, the average of remittances from Kathmandu was the lowest, and that from “Other Urban” was the highest. That from India was almost same as from “Other Urban”.

```
# Total amount of remittances received by place of sender
# over the past 12 months (in million Rs.)
# Weighted amount, for reference
> d<-merge(d,areainfo[c("WWW","weight")],by="WWW",all.x=T)
> dim(d)
[1] 1497   18
> m<-tapply((d$Q09A+d$Q09B)*d$weight, d$pl, sum)
> names(m)<-pl.code
> round(m/10^6,1)
# Unit: Million Rs.
      Kathmandu      Other Urban            Rural            India      Middle East
         2689.4           3039.9           5158.6         10758.0          12279.9
Other countries     Donor agency
        12400.5             39.1
```

```
> round(prop.table(m)*100,1)
# Unit: %
      Kathmandu     Other Urban           Rural           India     Middle East
            5.8             6.6            11.1            23.2            26.5
Other countries    Donor agency
           26.7             0.1
```

- Three fourth of total amount of remittances came from abroad.

Relationship between remittance sender and receiver

XT072: Remittance sender

Unit of record: sender

Q03: IDR (ID code) of the primary receiver in the household

Q04: relationship to the receiver

```
# Primary receiver of remittance in the household
> addmargins(table(d$Q03,useNA="always"))
   1    2    3    4    5    6    7    8   10   13 <NA>  Sum
1204  167   59   27   13   14    6    3    3    1    0 1497
```

XT002: Household roster

IDC: ID code in the household

Q02: sex

Q03: relationship to the household head

areainfo: area information

```
# Merged XT072, XT002 and areainfo
> dim(d)
[1] 1497   17
> d2<-outfiles[[2]][c("WWWHH","IDC","Q02","Q03")]
> dim(d2)
[1] 21531     4
> head(d2)
  WWWHH IDC Q02 Q03
1 50101   1   1   1
2 50101   2   2   2
3 50101   3   1   3
4 50101   4   2   3
5 50101   5   2   3
6 50101   6   2   4
> df<-merge(d,d2,by.x=c("WWWHH","IDR"),by.y=c("WWWHH","IDC"),all.x=T)
> dim(df)
[1] 1497   19
```

```
> df<-merge(df,areainfo[c("WWW","urbrural")],by="WWW",all.x=T)
> dim(df)
[1] 1497   20
> head(df[-6])
  WWW WWWHH IDR HH LNO Q03.x Q04 Q05 Q06 Q07A Q07B Q08  Q09A Q09B Q10 pl Q02.y Q03.y urbrural
1 501 50102   1  2   1     1   2   1  32   81    NA   2 14000 1365   3  4     2     1        2
2 501 50105   1  5   1     1   2   1  43   81    NA   2 13000    0   3  4     2     1        2
3 501 50108   1  8   1     1   2   1  27   81    NA   2 23000    0   3  4     2     1        2
4 501 50110   2 10   1     1   5   1  21   81    NA   2  9600  700   3  4     2     8        2
5 501 50113   1 13   1     1   2   1  35   81    NA   2 70000 7000   3  4     2     1        2
6 502 50202   1  2   1     1   3   1  32   56     2   2 10000 3000   3  3     1     1        2

# Generated variable of combination of receiver' s sex and place
> df$receiv<-paste(df$urbrural,df$Q02.y,sep="-")

# Receivers' sex, relationship to head and place
> m<-table(df$Q03.y,df$receiv)
> m<-m[,c(1,2,4,5)]
> colnames(m)<-c("Urb-Male","Rur-Male","Urb-Female","Rur-Female")
> rel.code<-c("Head","Husband/wife","Son/daughter","Grandchild","Father/mother",
+ "Brother/sister","Nephew/niece","Son/daughter-in-law","Brother/sister-in-law",
+ "Father/mother-in-law","Other family relative","Tenant/tenant's relative",
+ "Other persons not related")
> rownames(m)<-rel.code[-12]
> addmargins(m)
                          RECEIVER
RECEIVER                   Urb-Male Rur-Male Urb-Female Rur-Female  Sum
  Head                          154      129        532        399 1214
  Husband/wife                    0       34         16         83  133
  Son/daughter                   18        2         47         14   81
  Grandchild                      0        1          4          1    6
  Father/mother                   1        4          0          6   11
  Brother/sister                  7        3          0          0   10
  Nephew/niece                    3        0          0          0    3
  Son/daughter-in-law             0        5          0         15   20
  Brother/sister-in-law           0        1          0          3    4
```

Father/mother-in-law	0	0	0	2	2
Other family relative	2	3	1	1	7
Other persons not related	3	0	0	0	3
Sum	188	182	600	524	1494

```
# Sender' s relationship to the receiver by receiver' s sex and place
> m<-table(df$Q04,df$receiv,useNA="ifany")
> m<-m[,c(1,2,4,5)]
> colnames(m)<-c("Urb-Male","Rur-Male","Urb-Female","Rur-Female")
> rownames(m)<-rel.code[-1]
> addmargins(m)
```

RELATIONSHIP	PLACE AND SEX OF REVEIVER				
OF SENDER	Urb-Male	Rur-Male	Urb-Female	Rur-Female	Sum
Husband/wife	11	75	15	**235**	336
Son/daughter	82	33	**421**	**168**	704
Grandchild	1	0	2	0	3
Father/mother	42	32	58	45	177
Brother/sister	24	18	56	44	142
Nephew/niece	2	1	2	4	9
Son/daughter-in-law	3	5	2	16	26
Brother/sister-in-law	5	6	15	6	32
Father/mother-in-law	2	4	8	0	14
Other family relative	11	6	13	3	33
Tenant/tenant's relative	1	0	0	0	1
Other persons not related	4	2	8	3	17
Sum	188	182	**600**	**524**	1494

- Out of 1,494 remittances received, 600 primary receivers were female in urban area, followed by 524 female in rural area.
- Most of remittances to female in urban were those from sons/daughters to mothers.
- Among 524 remittances to female in rural, 235 cases were from husbands to wives, and 168 cases were from sons/daughters to mothers.

```
# Sender' s place by receiver' s sex and place
> m<-table(df$pl,df$receiv,useNA="ifany")
> m<-m[,c(1,2,4,5)]
> colnames(m)<-c("Urb-Male","Rur-Male","Urb-Female","Rur-Female")
> pl.code <-c("Kathmandu","Other Urban","Rural","India","Middle East",
+ "Other countries","Donor agency")
> rownames(m)<-pl.code
> addmargins(m)
                 RECEIVERS
SENDERS          Urb-Male Rur-Male Urb-Female Rur-Female  Sum
  Kathmandu            20       21         93         58  192
  Other Urban          40       34         56         43  173
  Rural                54       53        146        132  385
  India                31       30        205        214  480
  Middle East          11       13         55         54  133
  Other countries      31       31         41         21  124
  Donor agency          1        0          4          2    7
  Sum                 188      182        600        524 1494
```

Summary

- Most of primary receivers of remittances in private household were female household heads.
- The senders were sons, whose occupations were wage workers in non-agricultural sectors. Many of them lived in India.

Chapter 12. Micro data to be provided

Strategy

1. Household data

Except “areainfo”, the data files will be resampled as follows;

1.1 To order household identifier of “hhid” (“WWWHH”).

1.2 To select 80% of hhid by systematic sampling method.

1.3 To select records which hhid belongs to the above selected hhid from the data files.

2. The data file “areainfo” will be provided as they are, but the weight will be adjusted by dividing by 0.8.

3. Resampled data files will be provided in CSV and R format.

Original data files

```
> ls()
[1] "areainfo" "outfiles" "Rnames"
> dim(outfiles[[1]])
[1] 3912   28
> hhid<-outfiles[[1]]$WWWHH
> hhid<-hhid[order(hhid)]
> length(hhid)
[1] 3912
> head(hhid)
[1] 50101 50102 50104 50105 50107 50108
```

Resampling

```
# Selected 80% of hhid
> Int<-5
> (St<-sample(1:5,1))
[1] 1
> hhid.selected<-hhid[(1:length(hhid))%%Int!=(St-1)]
> length(hhid.selected)/length(hhid)
```

```
[1] 0.8001022
> hhid.selected<-hhid.selected[order(hhid.selected)]
> head(hhid.selected)
[1] 50101 50102 50104 50105 50108 50110


# Resampled at the rate of 80%
# outfiles[[1]] to outfiles[[78]]

> Rnames.80<-paste(Rnames,".80",sep="")
> Rnames.80
 [1] "xt001.80" "xt002.80" "xt003.80" "xt004.80" "xt005.80" "xt006.80" "xt007.80"
 [8] "xt008.80" "xt009.80" "xt010.80" "xt011.80" "xt012.80" "xt013.80" "xt014.80"
[15] "xt015.80" "xt016.80" "xt017.80" "xt018.80" "xt019.80" "xt020.80" "xt021.80"
[22] "xt022.80" "xt023.80" "xt024.80" "xt025.80" "xt026.80" "xt027.80" "xt028.80"
[29] "xt029.80" "xt030.80" "xt031.80" "xt032.80" "xt033.80" "xt034.80" "xt035.80"
[36] "xt036.80" "xt037.80" "xt038.80" "xt039.80" "xt040.80" "xt041.80" "xt042.80"
[43] "xt043.80" "xt044.80" "xt045.80" "xt046.80" "xt047.80" "xt048.80" "xt049.80"
[50] "xt050.80" "xt051.80" "xt052.80" "xt053.80" "xt054.80" "xt055.80" "xt056.80"
[57] "xt057.80" "xt058.80" "xt059.80" "xt060.80" "xt061.80" "xt062.80" "xt063.80"
[64] "xt064.80" "xt065.80" "xt066.80" "xt067.80" "xt068.80" "xt069.80" "xt070.80"
[71] "xt071.80" "xt072.80" "xt073.80" "xt074.80" "xt075.80" "xt076.80" "xt077.80"
[78] "xt078.80"


> outfiles.80<-list()
> for(j in 1:78){
+ d<-outfiles[[j]]
+ outfiles.80[[j]]<-subset(d,is.element(d$WWWHH,hhid.selected))
+ }
> length(outfiles.80)
[1] 78

> for(j in 1:78){
+ cat(format(Rnames.80[j],width=10),": ",
+ format(nrow(outfiles.80[[j]]),width=6),",",
```

```
+ format(ncol(outfiles.80[[j]]),width=3),"¥n")
+ }
xt001.80    :    3130 ,  28
xt002.80    :   17249 ,  16
xt003.80    :   16246 ,  14
xt004.80    :   38003 ,  21
xt005.80    :    9509 ,  10
xt006.80    :    3130 ,  23
xt007.80    :    3130 ,  11
xt008.80    :    3130 ,  10
xt009.80    :    3130 ,  15
xt010.80    :    3130 ,  13
xt011.80    :   46950 ,   8
xt012.80    :   14213 ,  14
xt013.80    :  212840 ,  14
xt014.80    :    6260 ,   7
xt015.80    :   93900 ,   7
xt016.80    :  115810 ,   6
xt017.80    :   53211 ,  10
xt018.80    :   43775 ,   7
xt019.80    :   14196 ,  10
xt020.80    :    3921 ,   9
xt021.80    :    4443 ,  14
xt022.80    :   16239 ,  11
xt023.80    :   16234 ,  15
xt024.80    :   12722 ,  12
xt025.80    :    2040 ,  16
xt026.80    :    2909 ,   5
xt027.80    :    9399 ,  16
xt028.80    :    1221 ,  15
xt029.80    :    3178 ,  16
xt030.80    :    2062 ,  13
xt031.80    :     247 ,  14
xt032.80    :    2002 ,  15
xt033.80    :    1172 ,  15
xt034.80    :    3130 ,   5
```

xt035.80 : 7039 , 14
xt036.80 : 7039 , 18
xt037.80 : 3130 , 4
xt038.80 : 1069 , 11
xt039.80 : 1069 , 15
xt040.80 : 3130 , 15
xt041.80 : 21752 , 13
xt042.80 : 2328 , 4
xt043.80 : 2417 , 4
xt044.80 : 3569 , 7
xt045.80 : 2414 , 4
xt046.80 : 5660 , 9
xt047.80 : 1569 , 5
xt048.80 : 2413 , 4
xt049.80 : 3623 , 16
xt050.80 : 2380 , 8
xt051.80 : 2409 , 26
xt052.80 : 3130 , 4
xt053.80 : 22940 , 13
xt054.80 : 2321 , 16
xt055.80 : 3129 , 4
xt056.80 : 24750 , 11
xt057.80 : 3066 , 7
xt058.80 : 3129 , 4
xt059.80 : 1080 , 19
xt060.80 : 1080 , 13
xt061.80 : 1080 , 15
xt062.80 : 3129 , 4
xt063.80 : 3345 , 10
xt064.80 : 3345 , 12
xt065.80 : 3129 , 4
xt066.80 : 726 , 10
xt067.80 : 726 , 11
xt068.80 : 3129 , 15
xt069.80 : 3129 , 4
xt070.80 : 472 , 14

```
xt071.80   :    3129 ,   4
xt072.80   :    1206 ,  16
xt073.80   :    8388 ,   7
xt074.80   :    3112 ,   4
xt075.80   :     285 ,  18
xt076.80   :    3129 ,  18
xt077.80   :       0 ,  10
xt078.80   :       0 ,  15


> for(j in 1:78){
+ cmd<-paste(Rnames.80[j],"<-outfiles.80[[",j,"]]",sep="")
+ eval(parse(text=cmd))
+ }


# Adjusted weight of areainfo
> areainfo$WT<-areainfo$weight/0.8
> dim(areainfo)
[1] 326  20
> head(areainfo)
    WWW district vdc        vdcname ward wardmerg subward urbrural belt region
101 501       46  37          Gwadi    7        7       0        2    2      3
102 502       55  27        Kotmala    1        1       0        2    2      4
103 503       65   7       Karkibada    4        4       0        2    1      4
104 504       35   7        Chainpur    2        2       0        2    3      2
105 505        4  20     Ghailadubba    2        2       0        2    3      1
106 506       27  31 Kathmandu N.P.    8        8       6        1    2      2
    stratum hhframe hhlist panel phase team  weight group misngpsu       WT
101       4      55     55     0     1   12 1323.07     3        3 1653.837
102       4     175     60     0     2   13  453.62     3        3  567.025
103       1      51     56     0     3   15  865.73     3        3 1082.162
104       6     327    340     0     1   10 1432.48     6        3 1790.600
105       6     146    139     0     2    1 1311.66     6        3 1639.575
106       2     413    263     0     1    9  733.68     1        3  917.100
```

```
# Resampled data set in R format
> ls()
[1] "areainfo" "xt001.80" "xt002.80" "xt003.80" "xt004.80" "xt005.80" "xt006.80"
 [8] "xt007.80" "xt008.80" "xt009.80" "xt010.80" "xt011.80" "xt012.80" "xt013.80"
[15] "xt014.80" "xt015.80" "xt016.80" "xt017.80" "xt018.80" "xt019.80" "xt020.80"
[22] "xt021.80" "xt022.80" "xt023.80" "xt024.80" "xt025.80" "xt026.80" "xt027.80"
[29] "xt028.80" "xt029.80" "xt030.80" "xt031.80" "xt032.80" "xt033.80" "xt034.80"
[36] "xt035.80" "xt036.80" "xt037.80" "xt038.80" "xt039.80" "xt040.80" "xt041.80"
[43] "xt042.80" "xt043.80" "xt044.80" "xt045.80" "xt046.80" "xt047.80" "xt048.80"
[50] "xt049.80" "xt050.80" "xt051.80" "xt052.80" "xt053.80" "xt054.80" "xt055.80"
[57] "xt056.80" "xt057.80" "xt058.80" "xt059.80" "xt060.80" "xt061.80" "xt062.80"
[64] "xt063.80" "xt064.80" "xt065.80" "xt066.80" "xt067.80" "xt068.80" "xt069.80"
[71] "xt070.80" "xt071.80" "xt072.80" "xt073.80" "xt074.80" "xt075.80" "xt076.80"
[78] "xt077.80" "xt078.80"
> save.image("NLSS2.80%.RData")


# Converted to CSV
> CSVnames<-gsub("¥¥.","_",Rnames.80)
> CSVnames<-paste(CSVnames,".csv",sep="")
> for(j in 1:78){
+ cmd<-paste("write.csv(outfiles.80[[",j,"]],'",CSVnames[j],"',row.names=F)",sep="")
+ eval(parse(text=cmd))
+ }

> write.csv(areainfo,"areainfo.csv",row.names=F)


# Resampled data set in csv format
> list.files()
 [1] "areainfo.csv" "xt001_80.csv" "xt002_80.csv" "xt003_80.csv" "xt004_80.csv"
 [6] "xt005_80.csv" "xt006_80.csv" "xt007_80.csv" "xt008_80.csv" "xt009_80.csv"
[11] "xt010_80.csv" "xt011_80.csv" "xt012_80.csv" "xt013_80.csv" "xt014_80.csv"
[16] "xt015_80.csv" "xt016_80.csv" "xt017_80.csv" "xt018_80.csv" "xt019_80.csv"
[21] "xt020_80.csv" "xt021_80.csv" "xt022_80.csv" "xt023_80.csv" "xt024_80.csv"
[26] "xt025_80.csv" "xt026_80.csv" "xt027_80.csv" "xt028_80.csv" "xt029_80.csv"
```

```
[31] "xt030_80.csv" "xt031_80.csv" "xt032_80.csv" "xt033_80.csv" "xt034_80.csv"
[36] "xt035_80.csv" "xt036_80.csv" "xt037_80.csv" "xt038_80.csv" "xt039_80.csv"
[41] "xt040_80.csv" "xt041_80.csv" "xt042_80.csv" "xt043_80.csv" "xt044_80.csv"
[46] "xt045_80.csv" "xt046_80.csv" "xt047_80.csv" "xt048_80.csv" "xt049_80.csv"
[51] "xt050_80.csv" "xt051_80.csv" "xt052_80.csv" "xt053_80.csv" "xt054_80.csv"
[56] "xt055_80.csv" "xt056_80.csv" "xt057_80.csv" "xt058_80.csv" "xt059_80.csv"
[61] "xt060_80.csv" "xt061_80.csv" "xt062_80.csv" "xt063_80.csv" "xt064_80.csv"
[66] "xt065_80.csv" "xt066_80.csv" "xt067_80.csv" "xt068_80.csv" "xt069_80.csv"
[71] "xt070_80.csv" "xt071_80.csv" "xt072_80.csv" "xt073_80.csv" "xt074_80.csv"
[76] "xt075_80.csv" "xt076_80.csv" "xt077_80.csv" "xt078_80.csv"
```

*** “summary” data file ***

- Resampled at the rate of 80% and renamed as “summary.80”

```
> summary.80<-subset(summary,is.element(summary$WWWHH,hhid.selected))
> dim(summary.80)
[1] 3130  199
```

- Adjusted weight

```
> summary.80$WT<-summary.80$weight/0.8

> weighted.mean(summary.80$c2_totcons,summary.80$WT)
[1] 85895.73
```

Supplement 1

Panel Data

According to the delegates from Nepal to the seventh workshop,
"*Objective and Use of panel survey: To compare the change in living standard of household with their previous status (NLSS I). Panel data is used for making policy formulations by the Government. Weight data applied for the estimation of panel data was NLSS II.*"

Imported panel data into R

```
> ### PANEL DATA PTxxx.DAT ###
> # List of R data frames
> ptfiles<-list()
> for(k in 1:78){
+ # for(k in 1:3){
+ # k-th data file in text format
+ infilename<-paste("PT",formatC(k,width=3,flag="0"),".dat",sep="")
+ infile<-readLines(infilename)  # import dta file
+ # codebook of infile
+ codebook<-subset(cb2,RT==k)
+ ########################################
+ # split infile into fields using codebook
+ # df: data frame generated from infile
+ df<-substr(infile,1,3)
+ # cn: variable names
+ cn<-"RT"
+ for(j in 2:nrow(codebook)){
+ start<-codebook[j,"From"]
+ end<-start+codebook[j,"Length"]-1
+ v<-as.character(substr(infile,start,end))
+ if(codebook[j,"Type"]=="QNT") v<-as.numeric(v)
+ if(codebook[j,"Type"]=="QLN") v<-as.numeric(v)
+ df<-data.frame(df,v,stringsAsFactors=F)
+ cn<-c(cn,as.character(codebook[j,"Variable"]))
+ }
```

```
+ colnames(df)<-cn
+ df<-df[-1]  # removed "RT"
+ # dim(df)
+ # head(df)
+ # str(df)
+ ptfiles<-c(ptfiles,list(df))
+ }
> length(ptfiles)
[1] 78
>
>
> ### PANEL DATA RTxxx.DAT ###
> # List of R data frames
> rtfiles<-list()
> for(k in 1:78){
+ # for(k in 1:3){
+ # k-th data file in text format
+ infilename<-paste("RT",formatC(k,width=3,flag="0"),".dat",sep="")
+ infile<-readLines(infilename)  # import dta file
+ # codebook of infile
+ codebook<-subset(cb2,RT==k)
+ ########################################
+ # split infile into fields using codebook
+ # df: data frame generated from infile
+ df<-substr(infile,1,3)
+ # cn: variable names
+ cn<-"RT"
+ for(j in 2:nrow(codebook)){
+ start<-codebook[j,"From"]
+ end<-start+codebook[j,"Length"]-1
+ v<-as.character(substr(infile,start,end))
+ if(codebook[j,"Type"]=="QNT") v<-as.numeric(v)
+ if(codebook[j,"Type"]=="QLN") v<-as.numeric(v)
+ df<-data.frame(df,v,stringsAsFactors=F)
+ cn<-c(cn,as.character(codebook[j,"Variable"]))
+ }
```

```
+ colnames(df)<-cn
+ df<-df[-1]  # removed "RT"
+ # dim(df)
+ # head(df)
+ # str(df)
+ rtfiles<-c(rtfiles,list(df))
+ }
> length(rtfiles)
[1] 78
```

Compared the series of PTxxx.dat with the series of RTxxx.dat

```
# Number of elements with different values between ptxxx and rtxxx
> for(j in 1:78){
+ a<-ptfiles[[j]]
+ a[is.na(a)]<-0
+ b<-rtfiles[[j]]
+ b[is.na(b)]<-0
+ cat(j,": ",sum(a!=b),"¥n")
+ }
1 :  0
2 :  0
3 :  0
4 :  0
5 :  0
6 :  0
7 :  0
8 :  0
9 :  0
10 :  0
11 :  0
12 :  0
13 :  0
14 :  0
15 :  0
16 :  0
17 :  0
18 :  0
19 :  0
20 :  0
21 :  0
22 :  0
23 :  0
```

24 : 0
25 : 0
26 : 0
27 : 0
28 : 0
29 : 0
30 : 0
31 : 0
32 : 0
33 : 0
34 : 0
35 : 0
36 : 0
37 : 0
38 : 0
39 : 0
40 : 0
41 : 0
42 : 0
43 : 0
44 : 0
45 : 0
46 : 0
47 : 0
48 : 0
49 : 0
50 : 0
51 : 0
52 : 0
53 : 0
54 : 0
55 : 0
56 : 0
57 : 0
58 : 0
59 : 0
60 : 0
61 : 0
62 : 0
63 : 0
64 : 0
65 : 0
66 : 0
67 : 0
68 : 0
69 : 0
70 : 0
71 : 0
72 : 0
73 : 0
74 : 0
75 : 0
76 : 0
77 : 0
78 : 0

Conclusions:

The series of PTxxx.dat are completely the same as the series of RTxxx.dat.

Displayed the number of records and variables of each panel data frame

```
> Pnames<-paste("pt",formatC(1:78,width=3,flag="0"),sep="")
> for(j in 1:78){
+ if(j==1) cat("data frame:   nrow , ncol: description¥n")
+ cat(format(Pnames[j],width=9),":",
+ format(nrow(ptfiles[[j]]),width=6),",",
+ format(ncol(ptfiles[[j]]),width=3),":",
+ as.character(cb3[j,"Description"]),"¥n")
+ }

data frame:   nrow , ncol: description
pt001     :    961 ,  28 : SURVEY INFORMATION
pt002     :   5519 ,  16 : SECTION 1, PART A1: HOUSEHOLD ROSTER
pt003     :   5184 ,  14 : SECTION 1, PART B: INFORMATION ON PARENTS
pt004     :  12604 ,  21 : SECTION 1, PART C: ACTIVITIES
pt005     :   3142 ,  10 : SECTION 1, PART D: UNEMPLOYMENT
pt006     :    962 ,  23 : SECTION 2, PART A: TYPE OF DWELLING
pt007     :    962 ,  11 : SECTION 2, PART B: HOUSING EXPENSES
pt008     :    962 ,  10 : SECTION 2, PART C: UTILITIES and AMENITIES
pt009     :    962 ,  15 : SECTION 2, PART C: UTILITIES and AMENITIES (cont.)
pt010     :    962 ,  13 : SECTION 2, PART D: FIREWOOD
pt011     :  14430 ,   8 : SECTION 3: ACCESS TO FACILITIES
pt012     :   4601 ,  14 : SECTION 4: MIGRATION
pt013     :  65416 ,  14 : SECTION 5: FOOD EXPENSES and HOME PRODUCTION
pt014     :   1924 ,   7 : SECTION 5: FOOD EXPENSES AMD HOME PRODUCTION
pt015     :  28860 ,   7 : SECTION 6: PART A: FREQUENT NON-FOOD EXPENDITURES
pt016     :  35594 ,   6 : SECTION 6: PART B: INFREQUENT NON-FOOD EXPENDITURES
pt017     :  16354 ,  10 : SECTION 6: PART C: INVENTORY OF DURABLE GOODS
pt018     :  13465 ,   7 : SECTION 6, PART D: OWN ACCOUNT PRODUCTION
pt019     :   4598 ,  10 : SECTION 7, PART A: LITERACY
pt020     :   1145 ,   9 : SECTION 7, PART B: PAST ENROLLMENT
pt021     :   1449 ,  14 : SECTION 7, PART C: CURRENT ENROLLMENT
pt022     :   5182 ,  11 : SECTION 8, PART A: CHRONIC ILLNESSES
pt023     :   5182 ,  15 : SECTION 8, PART B: INJURIES and ILLNESSES
pt024     :   4123 ,  12 : SECTION 8, PART B: INJURIES and ILLNESSES (cont)
pt025     :    584 ,  16 : SECTION 8, PART C: IMMUNIZATIONS
pt026     :    876 ,   5 : SECTION 09, PART A: MATERNITY HISTORY
pt027     :   3082 ,  16 : SECTION 09, PART A: MATERNITY HISTORY
pt028     :    342 ,  15 : SECTION 09, PART B: PRE- and POST-NATAL CARE
pt029     :    988 ,  16 : SECTION 09, PART C: FAMILY PLANNING
pt030     :    706 ,  13 : SECTION 10, PART A: WAGE EMPLOYMENT IN AGRICULTURE
pt031     :     73 ,  14 : SECTION 10, PART A: WAGE EMPLOYMENT IN AGRICULTURE
```

pt032 : 568 , 15 : SECTION 10, PART B: OUTSIDE AGRICUTURE
pt033 : 309 , 15 : SECTION 10, PART B: OUTSIDE AGRICUTURE (cont.)
pt034 : 962 , 5 : SECTION 11, PART A1: LANDHOLDING - LAND OWNED
pt035 : 2925 , 14 : SECTION 11, PART A1: LANDHOLDING - LAND OWNED
pt036 : 2925 , 18 : SECTION 11, PART A1: LANDHOLDING - LAND OWNED
pt037 : 962 , 4 : SECTION 11, PART A2: LANDHOLDING - LAND SHARECROPPED
pt038 : 398 , 11 : SECTION 11, PART A2: LANDHOLDING - LAND SHARECROPPED
pt039 : 398 , 15 : SECTION 11, PART A2: LANDHOLDING - LAND SHARECROPPED
pt040 : 962 , 15 : SECTION 11, PART A3: LANDHOLDING - INCREASE-DECREASE
pt041 : 7826 , 13 : SECTION 11, PART B: PRODUCTION and DISTRIBUTION
pt042 : 747 , 4 : SECTION 11, PART B: PRODUCTION and DISTRIBUTION
pt043 : 781 , 4 : SECTION 11C1: SEEDS and YOUNG PLANTS
pt044 : 1253 , 7 : SECTION 11C1: SEEDS and YOUNG PLANTS
pt045 : 780 , 4 : SECTION 11C2: FERTILIZERS and INSECTICIDES
pt046 : 1939 , 9 : SECTION 11C2: FERTILIZERS and INSECTICIDES
pt047 : 546 , 5 : SECTION 11C2: FERTILIZERS and INSECTICIDES
pt048 : 779 , 4 : SECTION 11C3: EXPENDITURES ON HIRING LABOR
pt049 : 1281 , 16 : SECTION 11C3: EXPENDITURES ON HIRING LABOR
pt050 : 771 , 8 : SECTION 11C3: EXPENDITURES ON HIRING LABOR
pt051 : 777 , 26 : SECTION 11, PART D: EARNINGS FROM AGRICULTURE
pt052 : 962 , 4 : SECTION 11, PART E1: LIVESTOCK OWNERSHIP
pt053 : 7600 , 13 : SECTION 11, PART E1: LIVESTOCK OWNERSHIP
pt054 : 771 , 16 : SECTION 11, PART E2: EARNINGS FROM LIVESTOCK
pt055 : 962 , 4 : SECTION 11, PART F: OWNERSHIP OF FARMING ASSETS
pt056 : 8000 , 11 : SECTION 11, PART F: OWNERSHIP OF FARMING ASSETS
pt057 : 947 , 7 : SECTION 11F: FARMING ASSETS and EXTENSION SERVICE
pt058 : 962 , 4 : SECTION 12, PART A: GENERAL CHARACTERISTICS
pt059 : 299 , 19 : SECTION 12, PART A: GENERAL CHARACTERISTICS
pt060 : 299 , 13 : SECTION 12, PART A: GENERAL CHARACTERISTICS (cont.)
pt061 : 299 , 15 : SECTION 12, PART B: INCOME FROM ENTERPRISES
pt062 : 962 , 4 : SECTION 13, PART A: BORROWING
pt063 : 1087 , 10 : SECTION 13, PART A: BORROWING
pt064 : 1087 , 12 : SECTION 13, PART A: BORROWING (cont)
pt065 : 962 , 4 : SECTION 13, PART B: LENDING
pt066 : 175 , 10 : SECTION 13, PART B: LENDING
pt067 : 175 , 11 : SECTION 13, PART B: LENDING
pt068 : 962 , 15 : SECTION 13, PART C: OTHER ASSETS
pt069 : 962 , 4 : SECTION 14, PART A: REMITTANCES SENT
pt070 : 101 , 14 : SECTION 14, PART A: REMITTANCES SENT
pt071 : 962 , 4 : SECTION 14, PART B: REMITTANCES RECEIVED
pt072 : 415 , 16 : SECTION 14, PART B: REMITTANCES RECEIVED
pt073 : 2542 , 7 : .SECTION 15: OTHER INCOME"
pt074 : 960 , 4 : SECTION 16: CHILDREN AWAY FROM HOME
pt075 : 99 , 18 : SECTION 16: CHILDREN AWAY FROM HOME
pt076 : 962 , 18 : SECTION 17: ADEQUACY OF CONSUMPTION
pt077 : 961 , 10 : SECTION 18: PANEL SAMPLE HOUSEHOLD TRACKING
pt078 : 5398 , 15 : SECTION 18: PANEL SAMPLE HOUSEHOLD TRACKING

Supplement 2. Estimation of district and urban/rural

- Challenges faced

The data of area information, such as district, village/municipality, urban/rural are not included in the micro data set provided to Sinfonica at first.

- Measures taken

One is to use the information of field team.
The another way is to make use of the information of migration to this place.

Assumption: The birth place (district) of a child is the same as the current place (district) of the household, if his/her father and/or mother in the household did not migrated after his/her birth.

However, for urban/rural, this method have some problem because the demarcation of urban/rural is changeable and based on the situation at the time of birth.

Map of Five Development Regions, Three Ecological Zones and Allocation of 16 Field Teams

S2.1 Relationship between PSU and Field Team

```
# Subset of the first line of each PSU
> d<-outfiles[[1]][,c("WWWHH","WWW","DINTYY","DINTMM","DINTDD","INTC","DEOP1","SUPC")]
> length(unique(d$WWW))
[1] 326
> d$WWW.pl<-c(0,d$WWW)[1:nrow(d)]
> d$WWW.b<-as.integer(d$WWW!=d$WWW.pl)
> d2<-subset(d,WWW.b==1)
> head(d2)
   WWWHH WWW DINTYY DINTMM DINTDD INTC DEOP1 SUPC WWW.pl WWW.b
1  50101 501     59     12     23 I121  D121 S121      0     1
13 50201 502     60      4     30 I133  D131 S131    501     1
25 50301 503     60      4     28 I151  D151 S151    502     1
37 50401 504     59     12     21 I103  D101         503     1
49 50501 505     60      4     29 I012  D011 S011    504     1
61 50601 506     59     12     20 I093  D091 S091    505     1

# Defined the variable Team using SUPC
> d2$Team<-as.integer(substr(d2$SUPC,2,3))
> addmargins(table(d2$Team,useNA="ifany"))
   1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16 <NA>  Sum
  19   21   20   19   22   22   17   24   26   20   17   23   18   18   17   17    6  326

# If Team=NA, replace Team using INTC
> d2$Team<-ifelse(is.na(d2$Team),as.integer(substr(d2$INTC,2,3)),d2$Team)
> addmargins(table(d2$Team,useNA="ifany"))
   1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16 <NA>  Sum
  19   21   20   19   22   23   18   24   26   22   17   23   18   19   17   17    1  326

# List of WWW with Team=NA
> d2[is.na(d2$Team),]
    WWWHH WWW DINTYY DINTMM DINTDD INTC DEOP1 SUPC WWW.pl WWW.b Team
757 56701 567     61      2      4       D001         566     1   NA
```

```
# List of households with WWW=567
> d[d$WWW==567,]
    WWWHH WWW DINTYY DINTMM DINTDD INTC DEOP1 SUPC WWW.pl WWW.b
757 56701 567     61       2       4        D001          566      1
758 56702 567     60      12      NA        D001          567      0
759 56704 567     60      12      NA        D001          567      0
760 56705 567     60      12      27 I152   D151 S151     567      0
761 56708 567     60      12      NA        D001          567      0
762 56709 567     60      12      27 I151   D151 S151     567      0
763 56710 567     60      12      NA        D001          567      0d
764 56711 567     60      12      NA        D001          567      0
765 56714 567     60      12      NA        D001          567      0
766 56715 567     60      12      NA        D001          567      0
767 56716 567     60      12      NA        D001          567      0
768 56717 567     60      12      NA        D001          567      0

# Defined Team of WWW=567 as 15
> d2$Team<-ifelse(d2$WWW==567,15,d2$Team)
> addmargins(table(d2$Team,useNA="ifany"))
  1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16 Sum
 19  21  20  19  22  23  18  24  26  22  17  23  18  19  18  17 326

# Defined data frame of psu consisted of WWW and Team.
> psu<-d2[,c("WWW","Team")]
> dim(psu)
[1] 326   2
> head(psu)
   WWW Team
1  501   12
13 502   13
25 503   15
37 504   10
49 505    1
61 506    9
```

```
> addmargins(table(psu$Team))
  1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16 Sum
 19  21  20  19  22  23  18  24  26  22  17  23  18  19  18  17 326
```

Remarks:

According to Box 1 (at page 14 of the survey report) and Table 1.5 (at page 15), the number of enumerated PSUs by team are calculated as follows. But at the same time the report indicates “As a result of the obstacle in the field enumeration, some of the PSUs previously assigned had been transferred to the neighboring teams.”

Number of PSUs assigned by team and enumerated

```
  1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16 Sum
 19  20  21  19  22  23  18  24  26  22  22  24  19  18  10  19 326
```

Box 1: Allocation of PSUs by team

Team 1 Panchthar	
District	*PSU*
Taplejung	4(1)
Panchthar	3(1)
Ilam	5(1)
Jhapa	13(3)
Total	**25(6)**

Team 2 Dhankuta	
District	*PSU*
Morang	16(4)
Dhankuta	4(1)
Tehrathum	2(1)
Sankhuwasabha	5(1)
Total	**27(7)**

Team 3 Sunsari	
District	*PSU*
Sunsari	11(2)
Bhojpur	4(1)
Khotang	3(1)
Saptari	9(2)
Total	**27(6)**

Team 4 Dhanusa	
District	*PSU*
Solukhumbu	3(1)
Okhaldhunga	2(0)
Siraha	8(2)
Dhanusa	11(2)
Total	**24(5)**

Team 5 Sindhuli	
District	*PSU*
Udayapur	6(1)
Mahottari	8(2)
Sarlahi	9(2)
Sindhuli	5(1)
Total	**28(6)**

Team 6 Makwanpur	
District	*PSU*
Makwanpur	8(2)
Rautahat	7(2)
Bara	8(2)
Parsa	7(1)
Total	**30(7)**

Team 7 Kavrepalanchok	
District	*PSU*
Ramechhap	3(1)
Dolakha	5(1)
Sindhupalchok	10(3)
Kavrepalanchok	7(1)
Total	**25(6)**

Team 8 Lalitpur	
District	*PSU*
Lalitpur	10(3)
Bhaktapur	6(1)
Kathmandu	6(2)
Nuwakot	5(1)
Dhading	6(2)
Total	**33(9)**

Team 9 Kathmandu	
District	*PSU*
Kathmandu	35(9)
Total	**35(9)**

Team 10 Gorkha	
District	*PSU*
Chitwan	9(1)
Gorkha	5(1)
Lamjung	4(1)
Manang	1(0)
Nawalparasi	8(2)
Total	**27(5)**

Team 11 Kaski	
District	*PSU*
Tanahun	5(1)
Kaski	14(3)
Myagdi	3(1)
Parbat	2(0)
Baglung	4(1)
Total	**28(6)**

Team 12 Palpa	
District	*PSU*
Syangja	7(1)
Gulmi	5(1)
Palpa	4(1)
Rupandehi	10(2)
Arghakhanchi	4(1)
Total	**30(6)**

Team 13 Dang	
District	*PSU*
Kapilbastu	8(3)
Pyuthan	4(1)
Rolpa	3(1)
Rukum	2(0)
Salyan	3(1)
Dang	6(1)
Total	**26(7)**

Team 14 Banke	
District	*PSU*
Banke	7(1)
Surkhet	7(2)
Dailekh	4(1)
Jajarkot	1(0)
Dolpa	1(0)
Jumla	1(0)
Humla	1(0)
Total	**22(4)**

Team 15 Bajura	
District	*PSU*
Bardiya	5(1)
Kalikot	3(1)
Mugu	2(1)
Bajura	3(1)
Bajhang	4(1)
Achham	4(1)
Total	**21(6)**

Team 16 Kanchanpur	
District	*PSU*
Doti	4(1)
Kailali	8(1)
Kanchanpur	5(1)
Dandeldhura	2(0)
Baitadi	4(1)
Darchula	3(1)
Total	**26(5)**

NB: Numbers in parentheses indicate the panel PSUs.

Source: Survey Report of NLSS II Volume 1

Table 1.5: Affected enumeration areas (PSUs) by sample, urban/rural, zone and region

District	Enumeration area	Sample	Urban/rural	Zone	Region
Kavre	Gokule-6	Cross-section	Rural	Hills	Central
Kalikot	Nanikot-7	Cross-section	Rural	Mountains	Mid-western
Bajhang	Khiratadi-5	Cross-section	Rural	Mountains	Far-western
Achham	Raniban-9	Cross-section	Rural	Hills	Far-western
Achham	Batulasen-3	Cross-section	Rural	Hills	Far-western
Achham	Kalagaun-1	Cross-section	Rural	Hills	Far-western
Baitadi	Kuwakot-8	Cross-section	Rural	Hills	Far-western
Baitadi	Bhatana-7	Cross-section	Rural	Hills	Far-western
Makwanpur	Shreepur Chhatiwan-8	Panel	Rural	Hills	Central
Kalikot	Dhoulagohe-7	Panel	Rural	Mountains	Mid-western
Bajhang	Sainpasela-2	Panel	Rural	Mountains	Far-western
Achham	Bhatakatiya-1	Panel	Rural	Hills	Far-western
Kanchanpur	Pipaladi-2	Panel	Rural	Tarai	Far-western

Source: Survey Report of NLSS II Volume 1

S2.2 Household roster

The variable of district was not included in the provided data set.

It has some information related to the current district.

File	Unit	Variable	Description
XT002	Member	Q02	Sex
XT002	Member	Q03	Relation
XT002	Member	Q04A	District born in
XT002	Member	Q04B	Urban/rural then
XT002	Member	Q05	Age
XT003	Member	Q02	Father's ID
XT003	Member	Q04A	District where Father born in
XT003	Member	Q06	Mother's ID
XT003	Member	Q08A	District where Mother born in
XT012	Member	Q01	Migrated to this place? (for age 5+)
XT012	Member	Q02A	District migrated from
XT012	Member	Q03	Age at migration

XT002

```
> RT02<-outfiles[[2]][,c(1:4,7:11)]
> RT02$PID<-paste(RT02$WWWHH,RT02$IDC,sep="")
> colnames(RT02)[5:9]<-c("Sex","Relation","Dist.born","UR.born","Age")
> head(RT02)
  WWWHH WWW HH IDC Sex Relation Dist.born UR.born Age    PID
1 50101 501  1   1   1        1        46       2  54 501011
2 50101 501  1   2   2        2        46       2  48 501012
3 50101 501  1   3   1        3        46       2  08 501013
4 50101 501  1   4   2        3        46       2  18 501014
5 50101 501  1   5   2        3        46       2  13 501015
6 50101 501  1   6   2        4        46       2  04 501016
```

XT003

```
> RT03<-outfiles[[3]][,c(1:4,6,11)]
> RT03$PID<-paste(RT03$WWWHH,RT03$IDC,sep="")
> colnames(RT03)[5:6]<-c("FID","MID")
> head(RT03)
  WWWHH WWW HH IDC FID MID    PID
1 50101 501  1   1  NA  NA 501011
2 50101 501  1   2  NA  NA 501012
3 50101 501  1   3   1   2 501013
4 50101 501  1   4   1   2 501014
5 50101 501  1   5   1   2 501015
6 50101 501  1   6  NA  NA 501016
```

XT012

```
> RT12<-outfiles[[12]][,c(1:6,8)]
> RT12$PID<-paste(RT12$WWWHH,RT12$IDC,sep="")
> colnames(RT12)[5:7]<-c("Migrated","Dist.mig","Age.mig")
> head(RT12)
  WWWHH WWW HH IDC Migrated Dist.mig Age.mig    PID
1 50101 501  1   1        2       NA         501011
2 50101 501  1   2        2       NA         501012
3 50101 501  1   3        2       NA         501013
4 50101 501  1   4        2       NA         501014
5 50101 501  1   5        2       NA         501015
6 50102 501  2   1        2       NA         501021
```

```
# Merged RT02, RT03 and RT12 using PID

> d<-merge(RT02,RT03[,5:7],by="PID",all.x=T)
> d<-merge(d,RT12[,5:8],by="PID",all.x=T)
> head(d)
     PID WWWHH WWW HH IDC Sex Relation Dist.born UR.born Age FID MID Migrated Dist.mig Age.mig
```

```
1 501011 50101 501  1   1   1        1        46       2  54  NA  NA       2       NA
2 501012 50101 501  1   2   2        2        46       2  48  NA  NA       2       NA
3 501013 50101 501  1   3   1        3        46       2  08   1   2       2       NA
4 501014 50101 501  1   4   2        3        46       2  18   1   2       2       NA
5 501015 50101 501  1   5   2        3        46       2  13   1   2       2       NA
6 501016 50101 501  1   6   2        4        46       2  04  NA  NA      NA      NA    <NA>
> RT<-d
```

S2.3 Estimation of district code

```
# Defined the variable drop
# drop=1 if the person migrated to this place
# For age 5+, drop=1 if Migrated=1
> RT$drop<-ifelse(RT$Age>=5&RT$Migrated==1,1,0)
> table(RT$drop)
    0     1
19845  1640

# For age 5-, drop=1 if Father of Mother migrated after the birth
# Defined the functions F.migrated and M.migrated

> F.migrated<-function(pid){
+ # pid: person with age<5
+ # return 1 if the father migrated after the birth
+ # return 0 otherwise
+ FID<-RT[RT$PID==pid,"FID"][1]
+ if(is.na(FID)) return (0)
+ F.pid<-paste(substr(pid,1,5),FID,sep="")
+ Mig<-RT[RT$PID==F.pid,"Migrated"]
+ if(length(Mig)==0) return (0)
+ if(is.na(Mig)) return (0)
+ if(Mig==2) return (0)
+ child.age<-RT[RT$PID==pid,"Age"]
+ year.mig<-RT[RT$PID==F.pid,"Age"]-RT[RT$PID==F.pid,"Age.mig"]
+ if(year.mig>child.age) return (0)
```

```
+ return (1)
+ }
>
> M.migrated<-function(pid){
+ # PID: person with age<5
+ # return 1 if the mother migrated after the birth
+ # return 0 otherwise
+ MID<-RT[RT$PID==pid,"MID"][1]
+ if(is.na(MID)) return (0)
+ M.pid<-paste(substr(pid,1,5),MID,sep="")
+ Mig<-RT[RT$PID==M.pid,"Migrated"]
+ if(length(Mig)==0) return (0)
+ if(is.na(Mig)) return (0)
+ if(Mig==2) return (0)
+ child.age<-RT[RT$PID==pid,"Age"]
+ year.mig<-RT[RT$PID==M.pid,"Age"]-RT[RT$PID==M.pid,"Age.mig"]
+ if(year.mig>child.age) return (0)
+ return (1)
+ }

> RT$drop<-ifelse(RT$Age<5,F.migrated(RT$PID),RT$drop)
> RT$drop<-ifelse(RT$Age<5,M.migrated(RT$PID),RT$drop)
> table(RT$drop)
    0     1
19845  1640


# Defined RTd with persons not migrated
> RTd<-subset(RT,drop==0)
> dim(RTd)
[1] 19845    16

# For each WWW, estimate the district code dist.RTd as the mode of Dist.born within WWW
> psu.RTd<-tapply(RTd$Dist.born,RTd$WWW,function(x) as.integer(names(rev(sort(table(x))))[1]))
> dim(psu.RTd)
[1] 326
```

```
> table(psu.RTd)
psu.RTd
 1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 30 31
 3  2  4 11 12  9  3  1  4  3  2  2  2  5  7  6  9  6  7  4  2  4  7  5  7  5 29  4  4  6
32 33 34 35 36 37 38 39 40 41 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62
 5  6  6  8  4  3  4  6 11  1  2  2  3  4  3  6  8  5  3  3  2  2  2  5  6  3  6  3  1  1
63 64 65 66 67 68 70 71 72 73 74 75
 1  1  1  1  2  2  3  7  4  2  1  2
```

Remarks:

The numbers of PSUs by district calculated from Box 1 and Table 1.5 of the survey report are as follows;

```
 1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 30 31
 3  2  4 10 12  9  3  1  4  3  2  2  2  5  7  6  9  6  7  4  2  4  7  5  7  5 30  4  4  6
32 33 34 35 36 37 38 39 40 41 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62
 5  6  6  8  4  3  4  6 11  1  2  2  3  4  3  6  8  5  3  3  2  2  2  5  6  4  5  3  1  1
63 64 65 66 67 68 70 71 72 73 74 75
 1  1  1  1  2  2  3  7  4  2  1  2
```

Considering the estimated district code and the team number, revised the next district code of WWW=695 and 831

WWW	Team	dist
695	9	9 -> 27
831	15	59 -> 58

```
> psu$dist<-ifelse(psu$WWW==695,27,psu$dist)
> psu$dist<-ifelse(psu$WWW==831,58,psu$dist)
> table(psu$dist)
```

S2.4 Estimation of urban/rural

Designation of urban and rural differs over time.

Estimated urban/rural using the latest information of children with age 5- whose Dist.born codes coincide with the estimated district code.

```
> ch5<-subset(RTd,as.integer(RTd$Age)<5)
> dim(ch5)
[1] 2578   16
> ch5<-subset(ch5,Dist.born==dist)
> dim(ch5)
[1] 2491   18
> length(unique(ch5$WWW))
[1] 325
> setdiff(psu$WWW,unique(ch5$WWW))
[1] 650

# Appended subset of WWW=650 with Age 10- to ch5
> RT650<-RTd[RTd$WWW==650&RTd$Age<10,]
> RT650<-merge(RT650,psu,by="WWW",all.x=T)
> ch5<-rbind(ch5,RT650)
> dim(ch5)
[1] 2497   18

# For each WWW, estimate the urban/rural code UR as the mode of UR.born within WWW
> ur.ch5<-tapply(ch5$UR.born,ch5$WWW,function(x) as.integer(names(rev(sort(table(x))))[1]))
> addmargins(table(ur.ch5))
ur.ch5
  1   2 Sum
 90 236 326
```

Remarks:

The demarcation of urban/rural is based on the information at the time of birth of people aged less than 5 years old.

Table 1.0 of the survey report shows that the number of urban PSU is 97 and that of rural PSU is 229.

```
> psu<-data.frame(psu,ur=ur.ch5)
> head(psu)
   WWW Team dist ur
1  501   12   46  2
```

13	502	13	55	2
25	503	15	65	2
37	504	10	35	2
49	505	1	4	2
61	506	9	27	1

S2.5 Distribution of PSU by development regions, ecological zones and strata

Five Development Regions

1=East: Districts 1 to 16

2=Central: Districts 17 to 35

3=West: Districts 36 to 51

4=Mid West: Districts 52 to 66

5=Far West: Districts 67 to 75

Development region	District codes	Districts
East (16)	1:16	Bhojpur, Dhankuta, Morang, Sankhuwasabha, Sunsari, Terhathum, Ilam, Jhapa, Panchthar, Taplejung, Khotang, Okhaldhunga, Saptari, Siraha, Solukhumbu, Udayapur
Central (19)	17:35	Dhanusa, Dolkha, Mahottari, Ramechhap, Sarlahi, Sindhuli, Bhaktapur, Dhading, Kathmandu, Kavrepalanchok, Lalitpur, Nuwakot, Rasuwa, Sindhulpalchok, Bara,Chitwan, Makwanpur, Parsa, Rautahat
West (16)	36:51	Baglung, Mustang, Myagdi, Parbat, Gorkha, Kaski, Lamjung, Manang, Syangja, Tanahu, Arghakhanchi, Gulmi, Kapilvastu, Nawalparasi, Palpa, Rupandehi
Mid West (15)	52:66	Banke, Bardiya, Dailekh, Jajarkot, Surkhet, Dolpa, Humla, Jumla, Kalikot, Mugu, Dang Deokhuri, Pyuthan, Rolpa, Rukum, Salyan
Far West (9)	67:75	Baitadi, Dadeldhura, Darchula, Kanchanpur, Achham, Bajhang, Bajura, Doti, Kailali

```
> www<-psu
> www$reg<-ifelse(www$dist<=16,1,0)
> www$reg<-ifelse(www$dist>=17&www$dist<=35,2,www$reg)
> www$reg<-ifelse(www$dist>=36&www$dist<=51,3,www$reg)
> www$reg<-ifelse(www$dist>=52&www$dist<=66,4,www$reg)
> www$reg<-ifelse(www$dist>=67&www$dist<=75,5,www$reg)
> head(www)
   WWW Team dist ur reg
1  501   12   46  2   3
13 502   13   55  2   4
25 503   15   65  2   4
```

```
37 504   10   35  2   2
49 505    1    4  2   1
61 506    9   27  1   2

# Number of PSU by development region
> t<-table(www$reg)
> names(t)<-c("East","Central","West","Mid West","Far West")
> t
    East  Central     West Mid West Far West
      75      125       65       38       23
```

Remarks:

The above figures coincide with Table 1.1 of the survey report distracted by Table 1.5.

```
> t<-table(www$ur,www$reg)
> colnames(t)<-c("East","Central","West","Mid West","Far West")
> rownames(t)<-c("Urban","Rural")
> addmargins(t)
       East Central West Mid West Far West Sum
  Urban   17      45   17        6        5  90
  Rural   58      80   48       32       18 236
  Sum     75     125   65       38       23 326
```

<u>Three Ecological Zones</u>

1=Mountains in the north (altitude 4,877 to 8,848 meters)

2=Hills in the middle (altitude 610 to 4,876 meters)

3=Tarai in the south

```
> zone1<-c(1,9,11,22,23,29,41,42,62:68,75)
> zone3<-c(4:6,15:19,32:35,48:50,56:58,71,72)
> www$zone<-ifelse(is.element(www$dist,zone1),1,2)
> www$zone<-ifelse(is.element(www$dist,zone3),3,www$zone)
> head(www)
```

```
   WWW Team dist ur reg zone
1  501   12   46  2   3    2
13 502   13   55  2   4    2
25 503   15   65  2   4    1
37 504   10   35  2   2    3
49 505    1    4  2   1    3
61 506    9   27  1   2    2

# Number of PSU by ecological zone
> t<-table(www$zone,useNA="ifany")
> names(t)<-c("Mountains","Hills","Tarai")
> t
Mountains     Hills     Tarai
       32       158       136

> t<-table(www$zone,www$reg)
> colnames(t)<-c("East","Central","West","Mid West","Far West")
> rownames(t)<-c("Mountains","Hills","Tarai")
> addmargins(t)
           East Central West Mid West Far West Sum
  Mountains    9      11    1        5        6  32
  Hills       22      67   45       18        6 158
  Tarai       44      47   19       15       11 136
  Sum         75     125   65       38       23 326
```

Remarks:

The above figures coincide with Table 1.1 of the survey report distracted by Table 1.5.

Strata

1. Mountains,
2. Kathmandu valley urban area,
3. Other Urban area in the Hills,
4. Rural Hills,

5. Urban Tarai,
6. Rural Tarai

Remarks: **Kathmandu Valley**

"The valley is made up of the Kathmandu District, Lalitpur District and Bhaktapur District covering an area of 220 square miles (570 km2) (almost the area of Singapore). The valley consists of the municipal areas of Kathmandu Metropolitan City, Lalitpur Submetropolitan City, Bhaktapur Municipality, Kirtipur Municipality and Madhyapur Thimi Municipality; the remaining area is made up of a number of Village Development Committees." (Wikipedia)

```
> www$strata<-ifelse(www$zone==1,1,0)
> www$strata<-ifelse(www$dist>=25&www$dist<=27&www$ur==1,2,www$strata)
> www$strata<-ifelse(www$zone==2&www$ur==1&(www$dist<25|www$dist>27),3,www$strata)
> www$strata<-ifelse(www$zone==2&www$ur==2,4,www$strata)
> www$strata<-ifelse(www$zone==3&www$ur==1,5,www$strata)
> www$strata<-ifelse(www$zone==3&www$ur==2,6,www$strata)

> t<-table(www$strata)
> names(t)<-c("Mountains","Kathmandu valley urban","Other Urban Hills",
+ "Rural Hills","Urban Tarai","Rural Tarai")
> t
            Mountains Kathmandu valley urban      Other Urban Hills
                   32                     33                     26
          Rural Hills            Urban Tarai            Rural Tarai
                   99                     30                    106
```

Remarks:

According to the survey report, the numbers of PSUs by strata are as the next;

1	2	3	4	5	6	Sum
32	**34**	**28**	**96**	**34**	**102**	326

```
# Appended hhwt to www
> d<-weight
> dim(d)
[1] 3912    3
> head(d)
  WWWHH    hhwt   indwt
1 50101 1323.07 7938.42
2 50102 1323.07 6615.35
3 50104 1323.07 3969.21
4 50105 1323.07 5292.28
5 50107 1323.07 6615.35
6 50108 1323.07 3969.21
> sum(d$hhwt)
[1] 4186725
> d$WWW<-substr(d$WWWHH,1,3)
> WWW.hhwt<-tapply(d$hhwt,d$WWW,mean)
> head(WWW.hhwt)
    501     502     503     504     505     506
1323.07  453.62  865.73 1432.48 1311.66  733.68
> length(WWW.hhwt)
[1] 326

> www<-data.frame(www,hhwt=WWW.hhwt)
> head(www)
   WWW Team dist ur reg zone strata    hhwt
1  501   12   46  2   3    2      4 1323.07
13 502   13   55  2   4    2      4  453.62
25 503   15   65  2   4    1      1  865.73
37 504   10   35  2   2    3      6 1432.48
49 505    1    4  2   1    3      6 1311.66
61 506    9   27  1   2    2      2  733.68
> length(unique(www$hhwt))
[1] 301
> psu<-www
```

Distribution of sample households

```
# Household data file appended with psu
> dhh<-merge(outfiles[[1]][,1:3],psu,by="WWW",all.x=T)
> dim(dhh)
[1] 3912   10
> head(dhh)
  WWW WWWHH HH Team dist ur reg zone strata    hhwt
1 501 50101  1   12   46  2   3    2      4 1323.07
2 501 50102  2   12   46  2   3    2      4 1323.07
3 501 50104  4   12   46  2   3    2      4 1323.07
4 501 50105  5   12   46  2   3    2      4 1323.07
5 501 50107  7   12   46  2   3    2      4 1323.07
6 501 50108  8   12   46  2   3    2      4 1323.07

# Number of sample households by region and zone
> t<-table(dhh$zone,dhh$reg)
> colnames(t)<-c("East","Central","West","Mid West","Far West")
> rownames(t)<-c("Mountains","Hills","Tarai")
> addmargins(t)
           East Central West Mid West Far West  Sum
  Mountains  108     132   12       60       72  384
  Hills      264     804  540      216       72 1896
  Tarai      528     564  228      180      132 1632
  Sum        900    1500  780      456      276 3912

# Number of sample households by region and urban/rural
> t<-table(dhh$ur,dhh$reg)
> colnames(t)<-c("East","Central","West","Mid West","Far West")
> rownames(t)<-c("Urban","Rural")
> addmargins(t)
       East Central West Mid West Far West  Sum
  Urban  204     540  204       72       60 1080
  Rural  696     960  576      384      216 2832
  Sum    900    1500  780      456      276 3912
```

Attachments

1. NLSS II 2002/03 Household Questionnaire

   - Questionnaire form is common for cross-section survey and panel survey.
   - The year "2002/03" in the cover page means that the survey was originally scheduled for 2002/03 and conducted a year later during 2003/04.

2. Codebook

   - For data file "XTnnn.80", please refer to the following table with RT=nnn.
   - For data file "areainfo", please refer to Chapter 6.
   - For data file "summary", please refer to Chapter 8.0.

Attachment 1

320

CENTRAL BUREAU OF STATISTICS

NEPAL LIVING STANDARDS SURVEY II 2002/03

HOUSEHOLD QUESTIONNAIRE

All personal information asked within this questionnaire will be kept confidential according to Statistical Act, 2015. This information will be used only for statistical purposes.

PSU NUMBER HOUSEHOLD

HEAD OF HOUSEHOLD _____ LOCALITY _____

VILLAGE / MUNICIPALITY _____ DISTRICT _____

Team No. | | |

TABLE OF CONTENTS

0. SURVEY INFORMATION 1

1. HOUSEHOLD INFORMATION
- A: HOUSEHOLD ROSTER 2
- B: INFORMATION ON PARENTS OF HH MEMBERS 3
- C: ACTIVITIES 4
- D: UNEMPLOYMENT/UNDEREMPLOYMENT 6

2. HOUSING
- A: TYPE OF DWELLING 7
- B: HOUSING EXPENSES 8
- C: UTILITIES AND AMENITIES 9
- D: FIREWOOD 11

3. ACCESS TO FACILITIES 12

4. MIGRATION 13

5. FOOD EXPENSES AND HOME PRODUCTION 14

6. NON-FOOD EXP. AND INVENTORY OF DURABLE GOODS
- A: FREQUENT NON-FOOD EXPENDITURES 19
- B: INFREQUENT NON-FOOD EXPENDITURES 20
- C: INVENTORY OF DURABLE GOODS 21
- D: OWN ACCOUNT PRODUCTION OF GOODS 22

7. EDUCATION
- A: LITERACY 23
- B: PAST ENROLLMENT 24
- C: CURRENT ENROLLMENT 25

8. HEALTH
- A: CHRONIC ILLNESSES 26
- B: ILLNESSES OR INJURIES 27
- C: IMMUNIZATIONS 29

9. MARRIAGE AND MATERNITY HISTORY
- A: MATERNITY HISTORY 30
- B: PRE- AND POST-NATAL CARE 33
- C: FAMILY PLANNING 34

10. WAGE EMPLOYMENT
- A: IN AGRICULTURE 35
- B: OUTSIDE AGRICULTURE 37

11. FARMING AND LIVESTOCK
- A: LANDHOLDING 39
- B: PRODUCTION AND USES 44
- C: EXPENDITURE ON AGRICULTURAL INPUTS 46
- D: AGRICULTURE-EARNINGS/EXPENDITURES 50
- E: LIVESTOCK 51
- F: OWNERSHIP OF FARMING ASSETS AND EXTENSION SERVICES 53

12. NON-AGRICULTURE ENTERPRISES/ACTIVITIES
- A: GENERAL CHARACTERISTICS 54
- B: INCOME FROM ENTERPRISES 56

13. CREDIT AND SAVINGS
- A: BORROWING AND OUTSTANDING LOANS 57
- B: LENDING AND OUTSTANDING LOANS 59
- C: OTHER ASSETS 61

14. REMITTANCES AND TRANSFERS
- A: INCOME SENT 62
- B: INCOME RECEIVED 63

15. OTHER INCOME 64

16. CHILDREN AWAY FROM HOME 65

17. ADEQUACY OF CONSUMPTION AND GOVERNMENT SERVICES/FACILITIES 66

18. PANEL SAMPLE HOUSEHOLD TRACKING 67

LIST OF CODES

APPENDIX 1: NSIC CODES 69
APPENDIX 2: NSCO CODES 70
APPENDICES 3-4: DISTRICT AND ETHNICITY CODES 71
APPENDICES 5-10: OTHER CODES 72

SECTION 0. SURVEY INFORMATION

HOUSEHOLD SERIAL NUMBER ACCORDING TO LISTING [ ][ ][ ]

INTERVIEW

DATE OF INTERVIEW: YEAR [ ] MONTH [ ] DAY [ ]

INTERVIEWER'S NAME:. . . . . CODE: [ ]

IS IT A HOUSEHOLD ORIGINALLY SELECTED?
YES..... 1 (➔**HOUSEHOLD DATA**)
NO..... 2 [ ]

WHAT IS THE REASON THAT THE HOUSEHOLD ORIGINALLY SELECTED COULD NOT BE INTERVIEWED?
DWELLING NOT FOUND... 1
HOUSHEOLD NOT FOUND.. 2
REFUSAL..... 3 [ ]

SUPERVISOR: PLEASE FILL THE FOLLOWING IF THE HOUSEHOLD ORIGINALLY SELECTED COULD
NOT BE INTERVIEWED AND ALTERNATE HOUSEHOLD IS TAKEN

HOUSEHOLD (NUMBER) TO BE INTERVIEWED: [ ][ ]

HOUSEHOLD (NUMBER) THAT COULD NOT BE INTERVIEWED: [ ][ ]

HOUSEHOLD DATA

RELIGION OF HEAD: USE RELIGION CODES PROVIDED AT THE BACK OF THE QUESTIONNAIRE [ ][ ]

LANGUAGE USED IN THE HOUSEHOLD: USE LANGUAGE CODES [ ][ ]

INTERPRETER: YES 1
NO ..... 2 [ ]

REMARKS:

DATA ENTRY OF QUESTIONNAIRE

DATE OF 1ST ROUND OF DATA ENTRY: YEAR [ ] MONTH [ ] DAY [ ]

DATA ENTRY OPERATOR'S NAME:..... CODE: [ ]

REMARKS:

DATE OF REVIEW BY SUPERVISOR: YEAR [ ] MONTH [ ] DAY [ ]

SUPERVISOR'S NAME:..... CODE: [ ]

REMARKS:

CORRECTION OF DATA ENTRY

DATE CORRECTIONS MADE: YEAR [ ] MONTH [ ] DAY [ ]

DATA ENTRY OPERATOR'S NAME:..... CODE: [ ]

VERIFICATION BY SUPERVISOR: YES.....1
NO.....2 [ ]

SIGNATURE:

SECTION 1. HOUSEHOLD INFORMATION PART A

HOUSEHOLD ROSTER 323

IDENTIFICATION CODE	2. What is the sex of ..[NAME]..?	3. What is the relationship of ..[NAME].. to the head of household?	4. Where was ..[NAME].. born?		5. How old is ..[NAME]..?	6. What is the present marital status of ..[NAME]..?	7. Is the spouse of ..[NAME].. in the list (Q. 1)?	8. COPY THE ID CODE OF THE SPOUSE	9. During the past 12 months, how many months did ..[NAME].. live here?	10. ACCORDING TO CRITERIA, IS ..[NAME].. A MEMBER OF THE HOUSEHOLD?
	MALE .. 1 FEMALE 2	HEAD ..... 1 HUSBAND/WIFE..... 2 SON/DAUGHTER..... 3 GRANDCHILD..... 4 FATHER/MOTHER..... 5 BROTHER/SISTER..... 6 NEPHEW/NIECE..... 7 SON/DAUGHTER-IN-LAW.... 8 BROTHER/SISTER-IN-LAW.. 9 FATHER/MOTHER-IN-LAW.. 10 OTHER FAMILY RELATIVE. 11 SERVANT/SERVANT'S RELATIVE ..... 12 TENANT/TENANT'S RELATIVE13 OTHER PERSON NOT RELATED14	Was it then an urban or rural area? URBAN.....1 RURAL.....2	DISTRICT	U/R	IF <10 YEARS THEN IF LESS THAN ONE YEAR, WRITE ZERO	MARRIED .1 DIVORCED 2(➔9) SEPARATED3(➔9) WIDOW/ WIDOWER 4(➔9) NEVER MARRIED 5(➔9)	YES .. 1 NO ..... 2(➔9)		WRITE 12 IF ALWAYS PRESENT, OR IF AWAY LESS THAN A MONTH MONTHS	YES..... 1 NO..... 2
01										
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										

INFORMATION ON PARENTS OF HOUSEHOLD MEMBERS

324

IDENTIFICATION CODE	1. Is the father of ..[NAME].. in the list? YES..... 1 NO ..... 2(➔3) DECEASED ..... 3(➔3)	2. COPY THE ID CODE OF THE FATHER ➔5	3. What is/was the highest level of education that ..[NAME'S].. father completed? EDUCATION CODE	4. Where was ..[NAME'S].. father born? Was it then an urban or rural area? URBAN ..... 1 RURAL ..... 2 DISTRICT	U/R	5. Is the natural mother of ..[NAME].. in the list? YES .....1 NO .....2(➔7) DECEASED .....3(➔7)	6. COPY THE ID CODE OF THE MOTHER ➔NEXT PERSON	7. What is/was the highest level of education that ..[NAME'S].. mother completed?	8. Where was ..[NAME'S].. mother born? Was it then an urban or rural area? URBAN.....1 RURAL.....2 DISTRICT	U/R
01										
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										

SECTION 1. HOUSEHOLD INFORMATION PART C

ACTIVITIES (ALL HOUSEHOLD MEMBERS 5 YEARS AND OLDER)

ACTIVITY CODE	ID CODE	1. During the past 12 months, what work did ..[NAME].. do?		DURING PAST 12 MONTHS			DURING PAST 7 DAYS			LOCATION			SECTOR OF EMPLOYMENT				
				2. During the past 12 months, how many months did ..[NAME].. do this work?	3. How many days per month did ..[NAME].. do this work?	4. How many hours per day did ..[NAME].. do this work?	5. During the past 7 days, how many days did ..[NAME].. do this work? IF DAY IS ZERO ➔7	6. How many hours did ..[NAME].. do this work?		7. Did ..[NAME].. do this work in this VDC/NP? YES ... 1(➔9) NO . 2	8. Where did ..[NAME].. do this work? Was it an urban or rural area? URBAN ....1 RURAL 2		9. INTERVIEWER: PUT A "1" IN THE RELEVANT COLUMN. LEAVE THE OTHER COLUMNS BLANK.				
		WORK ACTIVITY	NSCO CODE	MONTHS	DAYS/MONTH	HRS/DAY	DAYS **A**	HRS / DAY **B**	TOTAL HRS **A*B**		DISTRICT	U/R	WAGE EMPLOYMENT IN AGRI CULTURE	WAGE EMPLOYMENT NOT IN AGRI CULTURE	SELF EMPLOYMENT IN AGRI CULTURE	SELF EMPLOYMENT NOT IN AGRI CULTURE	EXTENDED ECONOMIC WORK
A																	
B																	
C																	
D																	
E																	
F																	
G																	
H																	
I																	
J																	
K																	
L																	
M																	
N																	
O																	
P																	
Q																	
R																	

SECTION 1. HOUSEHOLD INFORMATION PART C

ACTIVITIES (ALL HOUSEHOLD MEMBERS 5 YEARS AND OLDER) CONTD.

ACTIVITY CODE	ID CODE	1. During the past 12 months, what work did ..[NAME].. do?		DURING PAST 12 MONTHS 2. During the past 12 months, how many months did ..[NAME].. do this work?	3. How many days per month did ..[NAME].. do this work?	4. How many hours per day did ..[NAME].. do this work?	DURING PAST 7 DAYS 5. During the past 7 days, how many days did ..[NAME].. do this work? IF DAY IS ZERO ➔7	6. How many hours did ..[NAME].. do this work?		LOCATION 7. Did ..[NAME]. do this work in this VDC/NP? YES ... 1(➔9) NO . 2	8. Where did ..[NAME].. do this work? Was it an urban or rural area? URBAN ....1 RURAL 2		SECTOR OF EMPLOYMENT 9. INTERVIEWER: PUT A "1" IN THE RELEVANT COLUMN. LEAVE THE OTHER COLUMNS BLANK.				
								HRS / DAY B	TOTAL HRS A*B				WAGE EMPLOYMENT IN AGRI CULTURE	WAGE EMPLOYMENT NOT IN AGRI CULTURE	SELF EMPLOYMENT IN AGRI CULTURE	SELF EMPLOYMENT NOT IN AGRI CULTURE	EXTENDED ECONOMIC WORK
		WORK ACTIVITY	NSCO CODE	MONTHS	DAYS/MONTH	HRS/DAY	DAYS A				DISTRICT	U/R					
S																	
T																	
U																	
V																	
W																	
X																	
Y																	
Z																	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
0																	

UNEMPLOYMENT/UNDEREMPLOYMENT (ALL HOUSEHOLD MEMBERS 5 YEARS AND OLDER)

IDENTIFICATION CODE	UNEMPLOYMENT (NOT WORKING)			UNDEREMPLOYMENT (WORKING <40 HOURS/WEEK)		
	1. Was ..[NAME].. available for work during the past 7 days? YES.....1 NO .....2(➔3)	2. Did ..[NAME].. look for work during the past 7 days? YES...1(➔NEXT PERSON) NO....2	3. Why was ..[NAME].. not available /did ..[NAME].. not look for work during the past 7 days? STUDENT..... 1 HOUSEWIFE..... 2 TOO OLD/RETIRED..... 3 SICK..... 4 HANDICAPPED..... 5 ON VACATION..... 6 AWAITING REPLY FROM EMPLOYER OR AGENCY.. 7 WAITING TO START NEW JOB ..... 8 THERE IS NO WORK..... 9 DON'T KNOW HOW TO LOOK10 PREGNANT/DELIVERY... 11 OTHER REASONS..... 12	4. Was ..[NAME].. available for additional work during the past 7 days? YES .....1 NO .....2(➔6)	5. Did ..[NAME].. look for work during the past 7 days? YES. 1(➔NEXT PERSON) NO.. 2	6. Why was ..[NAME].. not available/ did ..[NAME].. not look for work during the past 7 days? THERE IS NO ADDITIONAL WORK .....1 LACK OF FINANCE, RAW MATERIALS .....2 MACHINERY, ELECTRICAL, ETC. BREAKDOWN .....3 OFF SEASON INACTIVITY ....4 INDUSTRIAL STRIKE, LAID-OFF .....5 ALREADY HAVE ENOUGH WORK .6 STUDENT, UNPAID TRAINEE ..7 HOUSEHOLD DUTIES .....8 SICK .....9 HANDICAPPED .....10 ON VACATION .....11 PREGNANT/DELIVERY .....12 OTHER REASONS 13
01						
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						

SECTION 2. HOUSING PART A

TYPE OF DWELLING

1. Is this dwelling unit occupied by your household only?

YES 1
NO 2

2. How many rooms does your household occupy?

TOTAL	
KITCHEN	
TOILET/BATHROOM	
BEDROOMS	
LIVING/DINING ROOMS	
BUSINESS	
MIXED USE	
OTHER	

3. IS THERE A KITCHEN GARDEN?

YES 1
NO 2

4. MAIN CONSTRUCTION MATERIAL OF OUTSIDE WALLS:

CEMENT BONDED BRICKS/STONES 1
MUD BONDED BRICKS/STONES 2
WOOD/BRANCHES 3
CONCRETE 4
UNBAKED BRICKS 5
OTHER MATERIAL 6
NO OUTSIDE WALLS 7

5. MAIN FLOORING MATERIAL:

EARTH.....1
WOOD.....2
STONE/BRICK.....3
CEMENT/TILE.....4
OTHER.....5

6. MAIN MATERIAL ROOF IS MADE OF:

STRAW/THATCH.....1
EARTH/MUD.....2
WOOD/PLANKS.....3
GALVANIZED IRON.....4
CONCRETE/CEMENT.....5
TILES/SLATE.....6
OTHER.....7

7. HOW ARE THE WINDOWS?

NO WINDOWS/NO COVERING...1
SHUTTERS.....2
SCREENS/GLASS.....3
OTHER.....4

8. HOW BIG IS THE HOUSING PLOT? CODE R/B A/K P/D

ROPANI.....1
BIGHA.....2

9. HOW BIG IS THE INSIDE OF THE DWELLING? SQ. FT.

10. Which year was the house that you are living built?

BEFORE 1996.....1
AFTER 1995.....2

SECTION 2. HOUSING PART B

HOUSING EXPENSES

1. Is this dwelling yours?

YES 1
NO ..... .2 (➔6)

2. If you wanted to buy a dwelling just like this today, how much money would you have to pay?

INCLUDE VALUE OF HOUSING PLOT

RUPEES

3. If someone wanted to rent this dwelling today, how much money would they have to pay each month?

RUPEES

4. Did you rent out part of this dwelling unit?

YES 1
NO ..... 2 (➔PART C)

5. How much do you receive as rent per month?

RUPEES

➔PART C

6. What is your present occupancy status?

RENTER ..... 1(➔8)
PROVIDED FREE OF CHARGE
BY RELATIVES OR LANDLORD
OR EMPLOYER 2
SQUATTING 3
OTHER 4

7. If someone wanted to rent this dwelling (only the unit occupied by the household) today, how much money would they have to pay each month?

RUPEES

➔ PART C

8. What is the rent per month? (cash plus value of in-kind payments)

RUPEES

SECTION 2. HOUSING PART C

UTILITIES AND AMENITIES

1. What is the source of your drinking water?

PIPED WATER SUPPLY .. 1
COVERED WELL/HAND PUMP 2(➔3)
OPEN WELL ..... 3(➔3)
OTHER WATER SOURCE .. 4(➔3)

2. Do you have water piped into your house?

YES 1
NO 2

3. How much did you pay for water over the last 12 months? (EXCLUDE WATER USED FOR IRRIGATION)

IF NOTHING, WRITE ZERO

RUPEES

4. What kind of sewerage facility does your household have?

UNDERGROUND DRAINS 1
OPEN DRAINS 2
SOAK PIT 3
NO 4

5. How does your household dispose of its garbage?

COLLECTED BY GARBAGE TRUCK 1
PRIVATE COLLECTOR 2
DUMPED ..... 3(➔7)
BURNED/BURIED ..... 4(➔7)
DUMPED AND USED FOR FERTILIZER5(➔7)
OTHER 6

6. How much did you pay for garbage disposal over the last 12 months?

IF NOTHING, WRITE ZERO

RUPEES

7. What type of toilet is used by your household?

HOUSEHOLD FLUSH (CONNECTED TO MUNICIPAL SEWER) 1
HOUSEHOLD FLUSH (CONNECTED TO SEPTIC TANK) 2
HOUSEHOLD NON-FLUSH 3
COMMUNAL LATRINE 4
NO TOILET 5

SECTION 2. HOUSING PART C **UTILITIES AND AMENITIES (CONTD.)**

8. What is the main source of lighting for your dwelling?

ELECTRICITY 1
GAS/OIL/KEROSENE ... 2(➔11)
OTHER ..... 3(➔11)

9. Do you have a joint or individual electric meter?

JOINT 1
INDIVIDUAL 2
NO METER 3

10. How much did you spend on electricity over the past 12 months?

IF NOTHING, WRITE ZERO

RUPEES

11. Which of the following facilities are there in your dwelling unit?

Telephone		
Mobile Phone		
Pager	YES.....1	
Cable T.V.	NO.....2	
Email		
Internet		

IF ALL ANSWERS ARE "NO" ➔13

12. How much did you pay for using those facilities listed in Q. 11 over the past 12 months?

RUPEES

13. What kind of fuel is most often used by your household for cooking?

WOOD/FIREWOOD 1
DUNG 2
LEAVES/RUBBISH/STRAW/THATCH 3
CYLINDER GAS 4
KEROSENE 5
BIO-GAS 6
OTHER 7

14. What type of stove does your household mainly use for cooking?

OPEN FIREPLACE 1
MUD STOVE 2
SMOKELESS STOVE 3
KEROSENE/GAS STOVE . 4
OTHER 5

SECTION 2. HOUSING PART D FIREWOOD

1. Did your household use any firewood over the past 12 months?

YES... 1
NO.... 2(→7)

2. Did your household collect any firewood in the past 12 months?

YES... 1
NO.... 2(→7)

3. On average, how many bharis/carts of firewood did you collect each month?

BHARI. 1
CART.. 2 UNIT NO.

4. How long does it take to collect one bhari/cart of firewood?

TIME TAKEN ROUND TRIP
HRS MIN

5. Where did you collect the firewood?

OWN LAND..... 1(→7)
COMMUNITY MANAGED FOREST... 2
GOVERNMENT FOREST..... 3
OTHER..... 4

6. How much did you pay for each bhari/cart?

IF NOTHING WRITE ZERO RUPEES

7. Did you collect fodder for your livestock over the past 12 months?

YES... 1
NO.... 2 (→NEXT SECTION)

8. Where did you collect the fodder?

OWN LAND..... 1
COMMUNITY MANAGED FOREST... 2
GOVERNMENT FOREST..... 3
OTHER..... 4

SECTION 3. ACCESS TO FACILITIES

1. How long does it take to get from your house to the closest ..[FACILITY]..?	CODE	2. MODE OF TRANSPORT: FOOT (WITHOUT LOAD) ...1; BICYCLE/RICKSHAW .....2; MOTORCYCLE/TAMPOO .....3; CAR/BUS .....4; MIXED (FOOT+VEHICLE) ..5; PRESENT NEXT TO HH ....6(→NEXT FACILITY); NOT APPLICABLE .....7(→NEXT FACILITY)	3. TIME TAKEN: (ONE WAY) DAYS	HOURS	MINUTES
Primary School	101				
Health Post/Hospital	102				
Bus Stop	103				
Paved Road	104				
Dirt Road, vehicle passable	105				
Dirt Road, vehicle impassable	106				
Local Shop/Shops	107				
Haat Bazaar	108				
Market Center	109				
Agriculture Center	110				
Sajha/Cooperatives	111				
Bank	112				
Source of Drinking Water	113				
Post Office	114				
Telephone Booth	115				

SECTION 4. MIGRATION (ALL HOUSEHOLD MEMBERS 5 YEARS AND OLDER

IDENTIFICATION CODE	1. Did ..[NAME].. migrate to this place? YES....1 NO.....2 (➔NEXT PERSON)	2. From where did ..[NAME].. migrate to this place? Was it then an urban or rural area? URBAN ..... 1 RURAL ..... 2 DISTRICT	U/R	3. How old was ..[NAME].. when migrated to this place? IF LESS THAN 5 YEARS ➔NEXT PERSON AGE	4. Did ..[NAME] ..do any work activities there before migrating? YES ... 1 NO .... 2 (➔6)	5. What was the primary activity did ..[NAME].. do there before migrating? WORK ACTIVITY	NSCO CODE	6. What was the main reason for ..[NAME].. to migrate here? FAMILY REASON (MARRIAGE,ETC.).....1 (➔NEXT PERSON) EDUCATION/TRAINING.....2 POLITICAL REASONS.....3 NATURAL DISASTER.....4 LOOKING FOR WORK.....5 EASIER LIFESTYLE.....6 OTHER.....7	7. Who was the familiar person of ..[NAME].. here before migrating? FAMILY MEMBERS/ RELATIVES.....1 PEOPLE FROM SAME PLACE/FRIENDS...2 NO ONE.....3	8. What was the primary activity did ..[NAME].. do here after migrating? FOR NOT WORKING OR STUDENT OR HOUSEHOLD WORK, WRITE THEIR CODES AND ➔NEXT PERSON WORK ACTIVITY	NSCO CODE	9. How long did it take ..[NAME].. to find this job? IF LESS THAN ONE MONTH, WRITE ZERO MONTHS
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02													
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SECTION 5. FOOD EXPENSES AND HOME PRODUCTION

1. Have you consumed ..[FOOD].. during the past 12 months? PUT A CHECK (✓) IN THE APPROPRIATE BOX FOR EACH FOOD ITEM. IF THE ANSWER TO Q. 1 IS YES, ASK Q. 2-8.				HOME PRODUCTION				FOOD PURCHASES				IN-KIND
	NO	YES	CODE	2. How many months in the past 12 months did you consume ..[FOOD].. that you grew or produced yourself? IF NONE, WRITE ZERO AND ➔5 MONTHS	3. In a typical month during which you ate ..[FOOD].., how much did your household consume ..[FOOD]..? QUANTITY	UNIT	4. How much would your household have to spend in the market to buy this quantity of ..[FOOD].. (i.e. the amount consumed in a typical month)? RUPEES	5. How many months in the past 12 months did you purchase ..[FOOD].. ? IF NONE WRITE ZERO AND ➔8 MONTHS	6. In a typical month during which you purchased ..[FOOD].. how much did you purchase? QUANTITY	UNIT	7. How much would you normally have to spend in total to buy this quantity? RUPEES	8. What is the total value of ..[FOOD].. consumed that you received in-kind over the past 12 months (wages for work, etc.)? IF NONE WRITE ZERO RUPEES
1. GRAINS AND CEREALS			**010**									
Fine rice			011									
Coarse rice			012									
Beaten, flattened rice			013									
Maize			014									
Maize flour			015									
Wheat flour			016									
Millet			017									
Other grains/cereals(Buckwheat, Barley, Sorghum, etc.)			018									
2. PULSES AND LEGUMES			**020**									
Black gram (*Mas*)			021									
Lentil (*Musuro*)			022									
Red gram (*Rahar*)			023									
Horse gram (*Chana*)			024									
Other pulses (Green gram, *Masyang*, Coarse gram, Grass pea, etc.)			025									
Other beans (Soybean, Pea, Bean, etc.)			026									

1. Have you consumed ..[FOOD].. during the past 12 months? PUT A CHECK (✓) IN THE APPROPRIATE BOX FOR EACH FOOD ITEM. IF THE ANSWER TO Q. 1 IS YES, ASK Q. 2-8.				HOME PRODUCTION				FOOD PURCHASES				IN-KIND
				2. How many months in the past 12 months did you consume ..[FOOD].. that you grew or produced yourself? IF NONE WRITE ZERO AND ➔5	3. In a typical month during which you ate ..[FOOD].., how much did your household consume ..[FOOD]..?		4. How much would your household have to spend in the market to buy this quantity of ..[FOOD].. (i.e. the amount consumed in a typical month)?	5. How many months in the past 12 months did you purchase ..[FOOD].. ? IF NONE WRITE ZERO AND ➔8	6. In a typical month during which you purchased ..[FOOD]. how much did you purchase?		7. How much would you normally have to spend in total to buy this quantity?	8. What is the total value of the ..[FOOD].. consumed that you received in-kind over the past 12 months (wages for work, etc.)? IF NONE WRITE ZERO
	NO	YES	CODE	MONTHS	QUANTITY	UNIT	RUPEES	MONTHS	QUANTITY	UNIT	RUPEES	RUPEES
3. EGGS AND MILK PRODUCTS			**030**									
Eggs			031									
Milk			032									
Condensed milk			033									
Baby milk/Powder milk			034									
Curd/Whey			035									
Other milk products (Cheese, *Paneer*, etc.)			036									
4. COOKING OILS			**040**									
Ghee			041									
Vegetable oil			042									
Mustard oil			043									
Other oil (Soybean, Sunflower, Corn, etc.)			044									
5. VEGETABLES			**050**									
Potatoes/Colocasia			051									
Onions			052									
Cauliflower/Cabbage			053									
Tomatoes			054									
Green leafy vegetables			055									
Other vegetables (Brinjal, Pointed gourd, Bitter gourd, etc.)			056									

1. Have you consumed ..[FOOD].. during the past 12 months? PUT A CHECK (✓) IN THE APPROPRIATE BOX FOR EACH FOOD ITEM. IF THE ANSWER TO Q. 1 IS YES, ASK Q. 2-8.				HOME PRODUCTION				FOOD PURCHASES				IN-KIND
				2. How many months in the past 12 months did you consume ..[FOOD].. that you grew or produced yourself? IF NONE WRITE ZERO AND ➔5	3. In a typical month during which you ate ..[FOOD].., how much did your household consume ..[FOOD]..?		4. How much would your household have to spend in the market to buy this quantity of ..[FOOD].. (i.e. the amount consumed in a typical month)?	5. How many months in the past 12 months did you purchase ..[FOOD].. ? IF NONE WRITE ZERO AND ➔8	6. In a typical month during which you purchased ..[FOOD].. how much did you purchase?		7. How much would you normally have to spend in total to buy this quantity?	8. What is the total value of the ..[FOOD].. consumed that you received in-kind over the past 12 months (wages for work, etc.)? IF NONE WRITE ZERO
	NO	YES	CODE	MONTHS	QUANTITY	UNIT	RUPEES	MONTHS	QUANTITY	UNIT	RUPEES	RUPEES
6. FRUITS AND NUTS			**060**									
Bananas			061									
Citrus fruits (Oranges, Lemon, Lime, Sweet orange, Pummelo, etc.)			062									
Mangoes			063									
Apples			064									
Pineapple			065									
Papaya			066									
Other fruits (Grape, Pomegranate, etc.)			067									
Dried fruits (Walnut, Coconut, etc.)			068									
7. FISH AND MEAT			**070**									
Fish			071									
Mutton			072									
Buffalo meat			073									
Chicken			074									
Other meats (Pig, Boar, Duck, etc.)			075									

1. Have you consumed ..[FOOD].. during the past 12 months? PUT A CHECK (✓) IN THE APPROPRIATE BOX FOR EACH FOOD ITEM. IF THE ANSWER TO Q. 1 IS YES, ASK Q. 2-8.				HOME PRODUCTION				FOOD PURCHASES				IN-KIND
				2. How many months in the past 12 months did you consume ..[FOOD].. that you grew or produced yourself? IF NONE WRITE ZERO AND ➔5	3. In a typical month during which you ate ..[FOOD].., how much did your household consume ..[FOOD]..?		4. How much would your household have to spend in the market to buy this quantity of ..[FOOD].. (i.e. the amount consumed in a typical month)?	5. How many months in the past 12 months did you purchase ..[FOOD].. ? IF NONE WRITE ZERO AND ➔8	6. In a typical month during which you purchased ..[FOOD]. how much did you purchase?		7. How much would you normally have to spend in total to buy this quantity?	8. What is the total value of the ..[FOOD].. consumed that you received in-kind over the past 12 months (wages for work, etc.)? IF NONE WRITE ZERO
	NO	YES	CODE	MONTHS	QUANTITY	UNIT	RUPEES	MONTHS	QUANTITY	UNIT	RUPEES	RUPEES
8. SPICES AND CONDIMENTS			**080**									
Salt			081									
Cumin seed/Black pepper			082									
Turmeric			083									
Ginger/Garlic			084									
Chilies			085									
Other spices and condiments (Coriander, Nutmeg, Clove, etc.)			086									
9. SWEETS AND CONFECTIONERY			**090**									
Sugar			091									
Gur (*Sakhar*)			092									
Sweets (*Mithai*)			093									
Other sweets (Sugar candy, Chocolate, etc.)			094									
10. NON-ALCOHOLIC BEVERAGES			**100**									
Tea (dried leaves)			101									
Coffee (ground, instant)			102									
Fruit juices/Carbonated drinks (Coca cola, Pepsi cola, etc.)			103									
Other non-alcoholic drinks (Mineral water, *Sarbat*, etc.)			104									

1. Have you consumed ..[FOOD].. during the past 12 months? PUT A CHECK (✓) IN THE APPROPRIATE BOX FOR EACH FOOD ITEM. IF THE ANSWER TO Q. 1 IS YES, ASK Q. 2-8.				HOME PRODUCTION				FOOD PURCHASES				IN-KIND
				2. How many months in the past 12 months did you consume ..[FOOD].. that you grew or produced yourself? IF NONE WRITE ZERO AND ➔5	3. In a typical month during which you ate ..[FOOD].., how much did your household consume ..[FOOD]..?		4. How much would your household have to spend in the market to buy this quantity of ..[FOOD].. (i.e. the amount consumed in a typical month)?	2. How many months in the past 12 months did you purchase ..[FOOD].. ? IF NONE WRITE ZERO AND ➔8	6. In a typical month during which you purchased ..[FOOD]. how much did you purchase?		7. How much would you normally have to spend in total to buy this quantity?	8. What is the total value of the ..[FOOD].. consumed that you received in-kind over the past 12 months (wages for work, etc.)? IF NONE WRITE ZERO
	NO	YES	CODE	MONTHS	QUANTITY	UNIT	RUPEES	MONTHS	QUANTITY	UNIT	RUPEES	RUPEES
11. ALCOHOLIC BEVERAGES			**110**									
Wine			111									
Gin, Whiskey, Rum			112									
Beer/Jandh			113									
Other alcoholic drinks (Tadi, etc.)			114									
12. TOBACCO & TOBACCO PRODUCTS			**120**									
Cigarettes			121									
Bindis			122									
Tobacco			123									
Other (Jarda, Khaini, Betel nut, Tamakhu, etc.)			124									
13. MISC. FOOD PRODUCTS			**130**									
Meals/Snacks taken outside home			131									
Bread/Biscuits/Noodles			132									
Misc. other food expenditures			133									
Total (1+2+3+4+5+6+7+8+9+10+11+12+13)			140									
ASK RESPONDENT TO ESTIMATE AVERAGE MONTHLY EXPENDITURE ON FOOD, VALUE OF HOME PRODUCED FOOD, AND FOOD RECEIVED IN KIND			150									

1. Were any of the following items purchased or received in-kind over the past 12 months? PUT A CHECK (✓) IN THE APPROPRIATE BOX FOR ALL ITEMS. IF THE ANSWER IS YES, ASK Q 2-3.				What is the money value of the amount purchased or received in-kind by your household during the past: AMOUNT IN RUPEES	
	NO	YES	CODE	2. 30 DAYS	3. 12 MONTHS
21. FUELS			210		
Wood (bundle wood, logwood, sawdust)			211		
Kerosene oil			212		
Coal, charcoal			213		
Cylinder gas (LPG)			214		
Matches, candles, lighters, lanterns, etc.			215		
22. APPAREL AND PERSONAL CARE ITEMS			220		
Ready-made clothing and apparel			221		
Cloth, wool, yarn, and thread for making clothes and sweaters			222		
Tailoring expenses			223		
Footwear (shoes, slippers, sandals, etc.)			224		
Toilet soap			225		
Toothpaste, tooth powder, toothbrush, etc.			226		
Other personal care items (shampoo, combs, cosmetics, etc.)			227		
Dry cleaning and washing expenses			228		
Personal services (haircuts, shaving, shoeshine, etc.)			229		

1. Were any of the following items purchased or received in-kind over the past 12 months? PUT A CHECK (✓) IN THE APPROPRIATE BOX FOR ALL ITEMS. IF THE ANSWER IS YES, ASK Q 2-3.				What is the money value of the amount purchased or received in-kind by your household during the past: AMOUNT IN RUPEES	
	NO	YES	CODE	2. 30 DAYS	3. 12 MONTHS
23. OTHER FREQUENT EXPENSES			230		
Public transportation (buses, taxis, rickshaws, train tickets, etc.)			231		
Petrol, diesel, motor oil (for personal vehicle only)			232		
Entertainment (cinema, cassette/CD rentals, etc.)			233		
Newspapers, books, stationery supplies(except educational expenses)			234		
Pocket money to children			235		
Educational and professional services			236		
Modern medicines and health services (doctor fees, hospital charges, etc.)			237		
Traditional medicines and health services (traditional healers, etc.)			238		
Wages paid to watchman, servant, gardener, driver, etc.			239		
Light bulbs, shades, batteries, etc.			241		
Household cleaning articles (soap, bleach, washing powder, etc.)			242		

TOTAL: (210 + 220 + 230) 250			
ASK RESPONDENT TO ESTIMATE AVERAGE MONTHLY AND ANNUAL EXPENDITURE ON FREQUENTLY PURCHASED NON-FOOD ITEMS	260		

1. Were any of the following items purchased or received in-kind over the past 12 months? PUT A CHECK (✓) IN THE APPROPRIATE BOX FOR ALL ITEMS. IF THE ANSWER IS YES, ASK Q 2.	NO	YES	CODE	2. What is the money value of the amount purchased or received in-kind by your household during the past 12 months: AMOUNT IN RUPEES 12 MONTHS
31. INFREQUENT EXPENSES			310	
Legal expenses and insurance (life, car, etc.)			311	
Income taxes, land taxes, housing and property taxes			312	
Repair and other expenses for personal vehicle(registration, fines)			313	
Postal expenses, telegrams, fax, telephone			314	
Excursion, holiday, (including travel and lodging)			315	
Toys, sports goods			316	
Repair and maintenance of the house			317	
Repair and servicing of household effects			318	
Home improvements and additions			319	
32. MISCELLANEOUS EXPENSES			320	
Marriages, births, and other ceremonies			321	
Dowry & bride price given			322	
Dowry & bride price received			323	
Funeral and death related expenses			324	
Expenditure on religious ceremonies			325	
Charity			326	
Cash losses			327	
Gifts and donations			328	

1. Were any of the following items purchased or received in-kind over the past 12 months? PUT A CHECK (✓) IN THE APPROPRIATE BOX FOR ALL ITEMS. IF THE ANSWER IS YES, ASK Q 2.	NO	YES	CODE	2. What is the money value of the amount purchased or received in-kind by your household during the past: AMOUNT IN RUPEES 12 MONTHS
41. DURABLE GOODS			410	
Crockery, cutlery and kitchen utensils (household use)			411	
Kitchen appliances (refrigerator, cooking range, blenders, etc.)			412	
Pillows, mattresses, blankets, etc.			413	
Jewelry, watches			414	
Furniture and fixtures			415	
Electric fans			416	
Heaters (electric, gas, kerosene)			417	
Sewing machine			418	
Iron (electric or other)			419	
Television/VCR			421	
Washing machine			422	
Radio, tape, etc.			423	
Camera			424	
Bicycle			425	
Motorcycle/Scooter			426	
Motor car or other such vehicle			427	
Other durable goods (bullock/he buffalo carts, etc.)			428	

1. Does your household own any of the following items? PUT A CHECK (✓) IN THE APPROPRIATE BOX FOR ALL ITEMS. IF THE ANSWER IS YES, ASK Q. 2-6				2. How many ..[ITEM].. does your household own?	3. How many years ago did you acquire ..[ITEM]..?	4. Did you purchase it, receive it as a gift or payment for services, or receive it as dowry or inheritance? PURCHASE.....1 GIFT/PAYMENT.....2 DOWRY/INHERITANCE...3	5. How much was it worth when you acquired it? IF MORE THAN ONE ITEM OWNED, ASK ABOUT MOST RECENTLY ACQUIRED ITEM	6. If you wanted to sell this ..[ITEM].. today, how much money would you receive for it? IF MORE THAN ONE ITEM OWNED, ASK ABOUT TOTAL VALUE OF ALL ITEMS
					IF MORE THAN ONE ITEM OWNED, ASK ABOUT MOST RECENTLY ACQUIRED ITEM.			
ITEM	NO	YES	CODE	NUMBER	YEARS		RUPEES	RUPEES
Radio/Tape/CD player			501					
Camera (still/movie)			502					
Bicycle			503					
Motorcycle/scooter			504					
Motor car, etc.			505					
Refrigerator or freezer			506					
Washing machine			507					
Fans			508					
Heaters			509					
Television/Deck			510					
Pressure lamps/Petromax			511					
Telephone sets/Cordless phone/Mobile phone/Pager			512					
Sewing machine			513					
Furniture, clocks, etc.			514					
Kitchen utensils			515					
Jewelry, watches			516					
Computer/Printer			517					

SECTION 6. NON-FOOD EXPENDITURES AND INVENTORY OF DURABLE GOODS PART D

OWN ACCOUNT PRODUCTION OF GOODS

1. Were any of the following items produced and consumed by your household over the past 12 months? [PUT A CHECK (✓) IN THE APPROPRIATE BOX FOR ALL ITEMS. IF THE ANSWER IS YES, ASK Q. 2 AND 3.]				2. What is the monetary value in the local market of the items produced and consumed yourself during the past: AMOUNT IN RUPEES	
SELF PRODUCED AND CONSUMED ITEMS	NO	YES	CODE	2. 30 DAYS	3. 12 MONTHS
EXPENDITURES ON SELF PRODUCED AND CONSUMED ITEMS:			600		
Dalo, *Nanglo*, *Doko*, *Namlo*, Rope, *Mudha*, etc.			601		
Mandro, *Mat*, *Sukul*, *Bhakari*, *Ghum*, *Chitro*, Broom, etc.			602		
Radi, *Pakhi*, Homespun clothes, etc.			603		
Firewood/Dung collection			604		
Furniture and allied wooden materials			605		
Sickle, *Chulesi*, Knife, etc.			606		
Tailoring			607		
Shoe making/repairing			608		
Water fetching			609		
Minor house repairing			610		
Biogas			611		
Pickle, Gundruk, Masyaura, Titaura, Jam, Mada, etc.			612		
Other (Communal construction, Duna, Tapari, Batti, etc.)			613		

SECTION 7. EDUCATION PART A LITERACY (ALL PERSONS 5 YEARS AND OLDER)

IDENTIFICATION CODE	1. ID CODE OF RESPONDENT WRITE ID CODE FROM HOUSEHOLD ROSTER OF PERSON PROVIDING THIS INFORMATION ID CODE	2. Can ..[NAME].. read a letter? YES .... 1 NO ..... 2(➔5)	3. Can ..[NAME].. write a letter? YES..... 1 NO ..... 2(➔5)	4. Where did ..[NAME].. learn to read and write? FORMAL SCHOOLING .. 1 TAUGHT AT HOME .... 2 GOVT. LITERACY COURSE ..... 3 NGO LITERACY COURSE4 OTHER 5	5. INTERVIEWER: ASK EACH PERSON ABOUT THEIR EDUCATIONAL BACKGROUND, AND CODE THEIR EDUCATIONAL BACKGROUND AS FOLLOWS: NEVER ATTENDED SCHOOL ..... 1 ATTENDED SCHOOL/COLLEGE IN THE PAST ..... 2(➔PART B) CURRENTLY ATTENDING SCHOOL/COLLEGE ..... 3(➔PART C)	6. Why didn't ..[NAME].. ever attend school? SCHOOL NOT PRESENT ..... 1 TOO EXPENSIVE ..... 2 TOO FAR AWAY ..... 3 HAD TO HELP AT HOME ..... 4 EDUCATION NOT USEFUL ..... 5 PARENTS DID NOT WANT ..... 6 NOT WILLING TO ATTEND ..... 7 HANDICAPPED ..... 8 OTHER REASONS ..... 9 ➔NEXT
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SECTION 7. EDUCATION PART B

PAST ENROLLMENT (ALL PERSONS 5 YEARS AND OLDER)

INTERVIEWER: ASK ONLY OF THOSE PERSONS WHO HAVE ATTENDED SCHOOL/COLLEGE IN THE PAST

IDENTIFICATION CODE	1. What type of school/college did ..[NAME].. last attend? COMMUNITY/GOVERNMENT.. 1 INSTITUTIONAL/PRIVATE. 2 TECHNICAL/VOCATIONAL.. 3 OTHER..... 4	2. What was the highest class that ..[NAME].. completed? EDUCATION CODE	3. How many years did it take ..[NAME].. to complete primary school? WRITE "99" IF PRIMARY LEVEL IS COMPLETED WITHOUT ATTENDING SCHOOL IF PRIMARY SCHOOL NOT COMPLETED WRITE NUMBER OF YEARS SCHOOL ATTENDED AND ➔5	4. How many years did it take ..[NAME].. to pass the SLC examination? WRITE "99" IF PRIMARY LEVEL IS COMPLETED WITHOUT ATTENDING SCHOOL IF SLC LEVEL NOT COMPLETED WRITE NUMBER OF YEARS SCHOOL ATTENDED	5. Why did ..[NAME].. leave school/college? FURTHER SCHOOLING NOT AVAILABLE..... 1 TOO EXPENSIVE..... 2 TOO FAR AWAY..... 3 HAD TO HELP AT HOME..... 4 PARENTS DID NOT WANT..... 5 COMPLETED DESIRED SCHOOLING 6 MOVED AWAY..... 7 POOR ACADEMIC PROGRESS.... 8 ENVIRONMENT OF SCHOOL NOT GOOD..... 9 OTHER REASONS..... 10
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SECTION 7. EDUCATION PART C **CURRENT ENROLLMENT (ALL PERSONS 5 YEARS AND OLDER)**

INTERVIEWER: ASK ONLY OF THOSE PERSONS CURRENTLY ATTENDING SCHOOL/COLLEGE

IDENTIFICATION CODE	1. What type of school/college is ..[NAME].. currently attending? COMMUNITY/GOVERNMENT ..... 1 INSTITUTIONAL/PRIVATE ..... 2 TECHNICAL/VOCATIONAL 3 OTHER 4	2. What class is ..[NAME].. currently attending? EDUCATION CODE	3. How many years did it take ..[NAME].. to complete primary school? IF PRIMARY SCHOOL NOT COMPLETED WRITE NUMBER OF YEARS SCHOOL ATTENDED AND ➔5	4. How many years did it take ..[NAME].. to pass the SLC examination? IF SLC LEVEL NOT COMPLETED WRITE NUMBER OF YEARS SCHOOL ATTENDED	5. How do ..[NAME].. go to school/college? WALK ..... 1 BUS ..... 2 BICYCLE/RICKSHAW. 3 MIXED (FOOT+VEHICLE)... 4 OTHER 5	6. How much time do you spend commuting every day? HRS / MIN	7. How much has your household spent during the past 12 months for ..[NAME's].. schooling? IF NOTHING WAS SPENT, WRITE ZERO. RUPEES	8. Did ..[NAME].. receive a scholarship to help pay for your educational expenses? YES ..... 1 NO ..... 2 (➔NEXT PERSON)	9. How much did ..[NAME].. receive for scholarship over the past 12 months? RUPEES
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02									
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SECTION 8. HEALTH PART A

CHRONIC ILLNESSES (ALL HOUSEHOLD MEMBERS)

IDENTIFICATION CODE	1. ID CODE OF RESPONDENT WRITE ID CODE FROM HOUSEHOLD ROSTER OF PERSON PROVIDING INFORMATION ID CODE	2. Does ..[NAME].. suffer from a chronic illness? YES ..1 NO ...2(→7)	3. What chronic illness does ..[NAME].. primarily suffer from? HEART CONDITIONS ..... 1 RESPIRATORY ..... 2 ASTHMA ..... 3 EPILEPSY ..... 4 CANCER ..... 5 DIABETES ..... 6 MALFUNCTION OF KIDNEY 7 CIRRHOSIS OF LIVER ... 8 OCCUPATIONAL ILLNESSES 9 HIGH/LOW BLOOD PRESSURE 1 DRUG ABUSE ..... 11 OTHER 12	4. How many years ago did the illness start? YEARS	5. How much has ..[NAME].. spent in the past 12 months on the treatment of this illness? INCLUDE COST OF CONSULTATIONS, DIAGNOSIS, MEDICINES AND TRAVEL RUPEES	6. How many days did ..[NAME].. have to stop doing his/her usual activity due to this illness during the past 12 months? DAYS	7. What is the present health status of ..[NAME]..? EXCELLENT ..... 1 GOOD ..... 2 FAIR ..... 3 POOR 4
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SECTION 8. HEALTH PART B

ILLNESSES OR INJURIES (ALL HOUSEHOLD MEMBERS)

IDENTIFICATION CODE	1. When was the last time that ..[NAME].. was ill? IF RESPONDENT NOT ILL DURING THE LAST 30 DAYS, WRITE THE DATE OR IF CANNOT REMEMBER THE DATE, WRITE "99" IN YEAR COLUMN; AND ➔13 FOR THOSE WHO ARE 10 YEARS AND OLDER AND ➔NEXT PERSON FOR THOSE WHO ARE UNDER 10 YEARS			2. What type of illness or injury? DIARRHOEA .. 1 DYSENTRY ... 2 RESPIRATORY PROBLEMS .. 3 MALARIA .... 4 OTHER FEVER 5 SKIN DISEASE 6 TB ..... 7 MEASLES .... 8 JAUNDICE ... 9 PARASITES . 10 INJURY .... 11 OTHER 12	3. Was anyone consulted (e.g. a doctor, nurse or other healer) for the illness or injury in the last month? YES . 1 NO .. 2(➔7)	4. Where did ..[NAME].. go for the last consultation? GOVT.HEALTH INST. SHP ..... 1 HP ..... 2 PHC ..... 3 HOSPITAL ..... 4 MOBILE CLINIC .. 5 AYURVED CENTRE . 6 PVT. HEALTH INST. PHARMACY/CLINIC 7 PVT. HOSPITAL .. 8 HEALTH WORKER'S HOME ..... 9 OTHER 10	5. Whom did ..[NAME].. consult with? GOVT.HEALTH WORKER DOCTOR ..... 1 PARAMEDIC (HA, SAHW, AHW, ANM) 2 KAVIRAJ/VAIDYA . 3 PVT.HEALTH WORKER DOCTOR ..... 4 PARAMEDIC ..... 5 KAVIRAJ/VAIDYA . 6 TRADITIONAL HEALER ..... 7 OTHER 8	6. How much was spent for the last consultation of this injury and illness for service cost (cost of diagnostic service consisting of laboratory fee and cost of other services consisting of registration fee, consultation fee, surgery fee, etc.) medicine cost and travel cost over the past 30 days? RUPEES			
	YEAR	MONTH	DAY					TOTAL COST	DIAGNOSTIC & OTHER SERVICE COST	MEDICINE COST	TRAVEL COST
01											
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SECTION 8. HEALTH PART B

ILLNESSES OR INJURIES (ALL HOUSEHOLD MEMBERS) CONTD.

		ALL PERSONS 5 YEARS AND OLDER		FOR CHILDREN UNDER 5 YEARS WITH DIARRHOEA			ALL PERSONS 10 YEARS AND OLDER	
IDENTIFICATION CODE	7. How much in total was spent over this illness or injury over the past 30 days? RUPEES	8. Did ..[NAME].. have to stop doing his/her usual activities because of this illness or injury? YES .... 1 NO ..... 2(➔13)	9. How many days did ..[NAME].. have to stop doing his/her usual activities? ➔13 DAYS	10. Did you give ..[NAME].. anything to treat the diarrhoea? ASK ONLY FOR CHILDREN UNDER 5 YEARS WITH ANSWER "1" TO Q.2 YES ..... 1 NO ..... 2 (➔NEXT PERSON)	11. What did you give .[NAME]. to treat the diarrhoea? ORS (PACKET OR HOME-MADE) 1 ALLOPATHIC MEDICINE ... 2 (➔NEXT PERSON) TRADITIONAL MEDICINE ... 3 (➔NEXT PERSON) OTHER ..... 4 (➔NEXT PERSON)	12. Where did you obtain the ORS? SHP ..... 1 HP ..... 2 PHC ..... 3 HOSPITAL .... 4 MOBILE CLINIC 5 MADE AT HOME 6 NON-GOVT.INST.7 OTHER. 8	13. Have you heard about HIV/AIDS? YES ..... 1 NO ..... 2 (➔NEXTPERSON)	14. How did you first hear about HIV/AIDS? RADIO ..... 1 TELEVISION ..... 2 NEWSPAPERS/ PAMPHLETS/POSTERS 3 FRIENDS/RELATIVES 4 HEALTH WORKERS .. 5 OTHER 6
01								
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15								

SECTION 8. HEALTH PART C

IMMUNIZATIONS (CHILDREN UNDER 5 YEARS)

IDENTIFICATION CODE	1. Has..[NAME].. ever been immunized? YES .....1 NO .....2 (➔NEXT CHILD) DO NOT KNOW .3 (➔NEXT CHILD)	2. Do you have an immunization card for ..[NAME]..? ASK TO SEE CARDS FOR ALL CHILDREN FOR WHOM CARDS ARE AVAILABLE YES .. 1 NO ..... 2(➔4)	3. INTERVIEWER: CHECK FROM CARD WHETHER IMMUNIZATION HAS TAKEN PLACE YES ..... 1 NO 2								4. How many doses of vaccine has ..[NAME].. received?	5. Where was the most recent immunization given to ..[NAME]..? SHP ..... 1 HP ..... 2 PHC ..... 2 HOSPITAL ..... 4 OUTREACH CLINIC .. 5 OTHER HEALTH INST.6
			BCG	DPT 1	DPT 2	DPT 3	POLIO 1	POLIO 2	POLIO 3	MEASLES	NUMBER	
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02												
03												
04												
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SECTION 9. MARRIAGE AND MATERNITY HISTORY PART A

MATERNITY HISTORY (ALL EVER MARRIED WOMEN AGED 15-49 YEARS WHO HAVE GIVEN LIVE BIRTH)

NAME OF WOMAN _____ WRITE WOMAN'S ID CODE FROM ROSTER ☐ WRITE ID CODE OF RESPONDENT ☐ **1**

BIRTH ORDER	1. When was [ORDER] child born? IF NOT KNOWN, ESTIMATE USING SUPPLEMENTARY CALENDAR		2. What is the [ORDER] child's name?	3. What is the sex of [NAME]?	4. Is [NAME] still alive?	5. Does [NAME] currently live with you?	6. COPY ID CODE OF [NAME] FROM HOUSEHOLD ROSTER	7 How long did [NAME] live?			8. What was the highest level of schooling that [NAME] completed? IF CHILD HAS NEVER GONE TO SCHOOL WRITE "99"
	MONTH	YEAR					ID CODE	YEARS	MONTHS	DAYS	EDUCATION CODE
01											
02											
03											
04											
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SECTION 9. MARRIAGE AND MATERNITY HISTORY
PART A

MATERNITY HISTORY (ALL EVER MARRIED WOMEN AGED 15-49 YEARS WHO HAVE GIVEN LIVE BIRTH) CONTD.

NAME OF WOMAN _____ WRITE WOMAN'S ID CODE FROM ROSTER ☐ WRITE ID CODE OF RESPONDENT ☐ **2**

BIRTH ORDER	1. When was [ORDER] child born? IF NOT KNOWN, ESTIMATE USING SUPPLEMENTARY CALENDAR		2. What is the [ORDER] child's name?	3. What is the sex of [NAME]? MALE ... 1 FEMALE . 2	4. Is [NAME] still alive? YES .. 1 NO ... 2(➔7)	5. Does [NAME] currently live with you? YES .... 1 NO..... 2(➔8)	6. COPY ID CODE OF [NAME] FROM HOUSEHOLD ROSTER ➔NEXT CHILD	7 How long did [NAME] live?			8. What was the highest level of schooling that [NAME] completed? IF CHILD HAS NEVER GONE TO SCHOOL WRITE "99"
	MONTH	YEAR					ID CODE	YEARS	MONTHS	DAYS	EDUCATION CODE
01											
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SECTION 9. MARRIAGE AND MATERNITY HISTORY
PART A

MATERNITY HISTORY (ALL EVER MARRIED WOMEN AGED 15-49 YEARS WHO HAVE GIVEN LIVE BIRTH) CONTD.

NAME OF WOMAN _____ WRITE WOMAN'S ID CODE FROM ROSTER ☐ WRITE ID CODE OF RESPONDENT ☐ **3**

BIRTH ORDER	1. When was [ORDER] child born? IF NOT KNOWN, ESTIMATE USING SUPPLEMENTARY CALENDAR		2. What is the [ORDER] child's name?	3. What is the sex of [NAME]? MALE ... 1 FEMALE . 2	4. Is [NAME] still alive? YES .. 1 NO ... 2(➔7)	5. Does [NAME] currently live with you? YES .... 1 NO ..... 2(➔8)	6. COPY ID CODE OF [NAME] FROM HOUSEHOLD ROSTER ➔ NEXT CHILD	7 How long did [NAME] live?			8. What was the highest level of schooling that [NAME] completed? IF CHILD HAS NEVER GONE TO SCHOOL WRITE "99"
	MONTH	YEAR					ID CODE	YEARS	MONTHS	DAYS	EDUCATION CODE
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SECTION 9. MARRIAGE AND MATERNITY HISTORY PART B

PRE- AND POST-NATAL CARE (ALL WOMEN WHO HAVE GIVEN LIVE BIRTH DURING PAST 36 MONTHS)

IDENTIFICATION CODE	LAST PRE-NATAL CARE						LAST POST-NATAL CARE				
	1. While you were pregnant with your last child, did you go for prenatal consultations to a health care facility? YES 1 NO . 2(➔7)	2. Where did you first receive this care? GOVT.HEALTH INST. SHP .....1 HP .....2 PHC .....3 HOSPITAL .....4 MOBILE CLINIC 5 AYURVED CENTRE6 PVT. HEALTH INST. PHARMACY/CLINIC .....7 PVT. HOSPITAL 8 HEALTH WORKER'S HOME 9 OTHER 10	3. Who provided this care? DOCTOR ... 1 NURSE/ANM HA/SAHW/AH W ..... 2 MCHW/VHW . 3 TBA ..... 4 OTHER 5	4. At what month of pregnancy did you go for your first visit? MONTHS	5. During this pregnancy, were you given an injection in the arm to prevent the baby from getting tetanus that is convulsions after birth? YES..1 NO...2(➔7)	6. How many times did you receive this injection? ONCE....1 TWICE...2 MORE THAN TWICE ..3	7. Where did you give birth? HOME..... 1 SHP..... 2 HP..... 3 PHC..... 4 HOSPITAL... 5 PVT. HOSPITAL... 6 OTHER..... 7	8. Who assisted you with this birth? FAMILY MEMBER OR RELATIVE1 NEIGHBOURS 2 TBA..... 3 MCHW/VHW.. 4 HA/SAHW/AHW5 ANM/NURSE/ DOCTOR.... 6 OTHER..... 7 NO ONE.... 8	9. After the birth, did you visit a health care facility within six weeks of delivery for a post-natal checkup? YES .....1 NO .....2 (➔NEXT WOMAN)	10. Where did you go for this visit? GOVT.HEALTH INST. SHP ..... 1 HP ..... 2 PHC ..... 3 HOSPITAL .... 4 MOBILE CLINIC 5 AYURVED CENTRE6 PVT. HEALTH INST. PHARMACY/CLINIC ..... 7 PVT. HOSPITAL 8 HEALTH WORKER'S HOME 9 OTHER 10	11. Who provided this care? DOCTOR ...1 NURSE/ANM HA/SAHW/AH W .....2 MCHW/VHW .3 TBA .....4 OTHER 5
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SECTION 9. MARRIAGE AND MATERNITY HISTORY PART C

FAMILY PLANNING (ALL CURRENTLY MARRIED WOMEN AGED 15-49 YEARS)

IDENTIFICATION CODE	1. How old were you when you first got married? AGE	2. Do you know of any method to prevent pregnancy or space births? YES.....1 NO.....2 (➔9)	3. By which medium did You learn about family planning methods? RADIO.....1 TELEVISION...2 NEWSPAPERS/ PAMPHLETS/POSTERS.....3 FRIENDS/RELATIVES.....4 HEALTH WORKER 5 HUSBAND.....6 OTHER.....7	4. Have you (or your husband) ever used any of these methods? YES..1 NO...2 (➔8)	5. Are you (or your husband) currently using any of these methods? YES ...1 NO ....2 (➔8)	6. Which method do you currently use? CONDOM .....1 OTHER TEMPORARY 2 VASACTOMY .....3 LAPOROSCOPY/MINILAP .....4 TRADITIONAL ....5 (➔9)	7. Where do you get this method? PUBLIC HEALTH INSTITUTION . 1 PRIVATE HEALTH INSTITUTION . 2 PHARMACY .....3 VSC .....4 HEALTH WORKER 5 OTHER .....6 ➔9	8. Why don't you use family planning methods? NOT AVAILABLE .....1 TOO EXPENSIVE .....2 HUSBAND AWAY3 WANT MORE CHILDREN . 4 RELIGIOUS REASONS ..5 SCARED OF SIDE-EFFECTS .....6 HUSBAND DOES NOT WANT..7 OTHER.....8	9. During the last six months, did any health worker visit your home to talk about family planning? YES.....1 NO.....2	10. How many children would you like to have? How many TOTAL? How many boys? How many girls? IF RESPONDENT REPLIES "UPTO GOD OR KARMA" CODE AS "99"TO COLUMN TOTAL		
										TOTAL	BOYS	GIRLS
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02												
03												
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SECTION 10. WAGE EMPLOYMENT PART A

IN AGRICULTURE (ALL PERSONS 5 YEARS AND OLDER)

ACTIVITY CODE	ID CODE	JOB DESCRIPTION			PAID BY DAY				
		1. WORK ACTIVITY (COPY FROM 1C)		2. How did you work to receive wages? DAILY BASIS.....1 LONG TERM BASIS..2(➔6) CONTRACT/PIECE-RATE .....3(➔13)	3. How much did you get in cash per day for this job?	4. What did you get in kind? PADDY/RICE ..... 1 WHEAT ..... 2 MAIZE ..... 3 MEALS ..... 4 CLOTHING ..... 5 OTHER ..... 6 RECEIVED NOTHING IN KIND ..... 7 (➔NEXT ACTIVITY)		5. What was the value of what you received in kind? RECORD VALUE OF DAILY IN-KIND PAYMENTS AND VALUE OF IN-KIND PAYMENTS FOR WHOLE PERIOD WORKED ➔NEXT ACTIVITY	
		WORK ACTIVITY	NSCO CODE		RUPEES/DAY	FIRST	SECOND	RUPEES/DAY	RUPEES/WHOLE PERIOD

SECTION 10. WAGE EMPLOYMENT PART A IN AGRICULTURE (ALL PERSONS 5 YEARS AND OLDER) CONTD.

	PAID ON A LONGER BASIS									CONTRACT/PIECE-RATE
	6.	7.		8.		9.	10.	11.	12.	13.
ACTIVITY CODE	How much did you get in cash for this job over the past 12 months?	What did you get in kind? PADDY/RICE..... 1 WHEAT..... 2 MAIZE..... 3 MEALS..... 4 CLOTHING..... 5 OTHER..... 6 RECEIVED NOTHING IN KIND ..... 7 (→9)		What was the value of what you received in kind? RECORD VALUE OF DAILY IN-KIND PAYMENTS AND VALUE OF IN-KIND PAYMENTS FOR WHOLE PERIOD		Did you at any time take a loan from your employer? YES.....1 NO.....2 OTHER INFORMATION REGARDING LOANS WILL BE COVERED IN SECTION 13	Did any other member of your household also work for the same employer? YES ..... 1 NO 2	Did you sharecrop any land with your employer? YES.....1 NO.....2	Did you tend any livestock for your employer? YES .... 1 NO ..... 2 →NEXT ACTIVITY	During the past 12 months, having worked on a contract how much did you receive in-kind and cash?
	RUPEES	FIRST	SECOND	RUPEES/DAY	RUPEES/WHOLE PERIOD					RUPEES

SECTION 10. WAGE EMPLOYMENT PART B — OUTSIDE AGRICULTURE (ALL PERSONS 5 YEARS AND OLDER)

ACTIVITY CODE	ID CODE	JOB DESCRIPTION					PAID BY DAY				
		1. WORK ACTIVITY (COPY FROM 1C)		2. Which industrial sector do you work for? WRITE THE NAME OF GOODS AND SERVICES PRODUCED AT THE INDUSTRIAL SECTOR WHERE THE RESPONDENT WORKS		3. How did you work to receive wages? DAILY BASIS . 1 LONG TERM BASIS ..... 2 (➔7) CONTRACT/ PIECE-RATE .. 3 (➔13)	4. How much did you get in cash per day for this job?	5. What did you get in kind? PADDY/RICE ..... 1 WHEAT ..... 2 MAIZE ..... 3 MEALS ..... 4 CLOTHING ..... 5 OTHER ..... 6 RECEIVED NOTHING IN KIND ..... 7 (➔NEXT ACTIVITY)		6. What was the value of what you received in kind? RECORD VALUE OF DAILY IN-KIND PAYMENTS AND VALUE OF IN-KIND PAYMENTS FOR WHOLE PERIOD WORKED ➔NEXT ACTIVITY	
		WORK ACTIVITY	NSCO CODE	PRODUCED GOODS AND SERVICES	NSIC CODE		RUPEES/DAY	FIRST	SECOND	RUPEES/DAY	RUPEES/WHOLE PERIOD

SECTION 10. WAGE EMPLOYMENT PART B — OUTSIDE AGRICULTURE (ALL PERSONS 5 YEARS AND OLDER) CONTD.

ACTIVITY CODE	PAID ON A LONGER BASIS										CONTRACT/ PIECE-RATE
	7. How much did you get for this job?					8. Are taxes already deducted? YES ..... 1 NO 2	9. Do you contribute to an Employee Provident Fund? YES ..... 1 NO 2	10. Will you receive a pension when you retire? YES ..... 1 NO 2	11. Do you receive subsidized medical care? YES .... 1 NO 2	12. How many people work for your employer? 1 ..... 1 2-9 ..... 2 10 OR MORE3 →NEXT ACTIVITY	13. During the past 12 months, how much did you receive from contract/ piece-rate work? (cash + in-kind payments)
	PER MONTH (Rs.)		PAST 12 MONTHS (Rs.)								
	TAKE-HOME PAY	TRANSPORT	BONUSES, TIPS, DASHAIN/TIHAR ALLOWANCES	UNIFORM/ CLOTHING ALLOWANCES	ANY OTHER PAYMENTS						RUPEES

SECTION 11. FARMING AND LIVESTOCK PART A1 LANDHOLDING - LAND OWNED

ID CODE OF RESPONDENT: [ ]

1. Does your household own any agricultural land? YES....1 NO.....2 (➔PART A2) [ ]

PLOT NUMBER	2. MAKE A LIST OF ALL THE PLOTS/GARDENS THAT THE HOUSEHOLD OWNS:	3. What is the total area of this ..[PLOT]..? ROPANI.....1 BIGHA.....2 AREA	UNIT	4. Where is this plot located? DISTRICT	5. What type of land is the ..[PLOT]..? UPLAND..... 1 LOWLAND..... 2	6. Is the .[PLOT]. irrigated or rainfed? IRRIGATED1 RAINFED..2(➔9)	7. Is the irrigation on the .[PLOT]. seasonal or year round? SEASONAL .. 1 YEAR ROUND . 2	8. What is the mode of irrigation on the .[PLOT].? TUBEWELL/BORING 1 CANAL.....2 POND/TANK.....3 OTHER NATURAL SOURCES.....4 MIXED.....5	9. If you wanted to buy/sell a plot exactly like this, how much would it cost/fetch you? RUPEES
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02									
03									
04									
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SECTION 11. FARMING AND LIVESTOCK PART A1 LANDHOLDING - LAND OWNED (CONTD.)

PLOT NUMBER	DRY SEASON							WET SEASON						
	10. Over the past DRY SEASON what did you do with the .[PLOT].? CROPPED YOURSELF SHARECROPPED OUT FIXED RENT OUT .3 MORTGAGED OUT .4(➔13) LEFT FALLOW ...5(➔13) OTHER 6	11. For the plots which you did not crop yourself, what net rent did you receive from the tenant? ➔13 NET RENT (Rs.)		12. For the plots which you cropped yourself, what crops did you grow? CROP CODE				13. Over the past WET SEASON what did you do with the .[PLOT].? CROPPED YOURSELF. 1 (➔15) SHARECROPPED OUT 2 FIXED RENT OUT .. 3 MORTGAGED OUT ... 4 (➔NEXT PLOT) LEFT FALLOW ..... 5 (➔NEXT PLOT) OTHER 6	14. For the plots which you did not crop yourself, what net rent did you receive from the tenant? ➔NEXT PLOT NET RENT (Rs.)		15. For the plots which you cropped yourself, what crops did you grow? CROP CODE			
		CASH	IN-KIND	A	B	C	D		CASH	IN-KIND	A	B	C	D
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02														
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SECTION 11. FARMING AND LIVESTOCK PART A2 LANDHOLDING - LAND SHARECROPPED/RENTED/MORTGAGED -IN

1. Over the past AGRICULTURE YEAR did your household cultivate land owned by someone else (or that was mortgaged in)? YES 1 NO 2 (➔PART ~~A3~~)

PLOT NUMBER	2. MAKE A LIST OF ALL THE PLOTS/GARDENS THAT THE HOUSEHOLD CULTIVATED THROUGH SHARECROPPING-IN, RENTING-IN OR MORTGAGING-IN:	3. What is the contractual arrangement on this .[PLOT].? SHARECROPPED ....1 (➔5) RENTED-IN .....2 MORTGAGED-IN ....3 (➔5) OTHER 4	4. How much "rent" did you pay for this plot to the landlord? INCLUDE ONLY CASH PAYMENTS IF NOTHING WRITE ZERO RUPEES	5. What is the total area of this ..[PLOT]..? ROPANI ..... 1 BIGHA ..... 2 AREA	UNIT	6. What type of land is the ..[PLOT]..? UPLAND ..... 1 LOWLAND 2
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SECTION 11. FARMING AND LIVESTOCK PART A2 LANDHOLDING - LAND SHARECROPPED/RENTED/MORTGAGED –IN (CONTD.)

PLOT NUMBER	7. Is the .[PLOT]. irrigated or rainfed? IRRIGATED 1 RAINFED .. 2(➔10)	8. Is the irrigation on the .[PLOT]. seasonal or year round? SEASONAL ..... 1 YEAR ROUND 2	9. What is the mode of irrigation on the .[PLOT].? TUBEWELL/BORING..... 1 CANAL..... 2 POND/TANK..... 3 OTHER NATURAL SOURCES... 4 MIXED..... 5	DRY SEASON 10. What crops did you cultivate over the past DRY SEASON? CROP CODE				WET SEASON 11. What crops did you cultivate over the past WET SEASON? CROP CODE			
				A	B	C	D	A	B	C	D
01											
02											
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SECTION 11. FARMING AND LIVESTOCK PART A3 — LANDHOLDING - INCREASE-DECREASE IN HOLDINGS

1. Did your household sell/transfer any land over the past 12 months?

YES.....1
NO.....2(➔4) ☐

2. How much land did your household sell/transfer?

AREA: ☐☐☐ UNIT:

ROPANI 1
BIGHA .....2 ☐

3. How much did your household receive from the sales?

WRITE ZERO IF FREE RUPEES: ☐

4. Did your household buy/get any land over the past 12 months?

YES.....1
NO.....2 (➔PART B) ☐

IF THERE IS NO LAND ON THE OWNERSHIP, NO LAND OPERATED AND NO LAND SOLD/BOUGHT DURING THE REFERENCE PERIOD
➔PART E1

5. How much land did your household buy/get?

AREA: ☐☐☐ UNIT:

ROPANI ... 1
BIGHA .... 2 ☐

6. How much did your household pay for this land?

WRITE ZERO IF FREE RUPEES: ☐

SECTION 11. FARMING AND LIVESTOCK PART B PRODUCTION AND USES

1. In the past AGRICULTURE YEAR, what crops did you grow? LIST ALL CROPS GROWN BY HOUSEHOLD FIRST BEFORE ASKING Q. 2 - 4.		2. Did you use an improved variety of seed? YES ..... 1 NO 2	3. Please provide the following information related to quantity of ..[CROP].. produced by your household, as well as the various uses to which it was put: USE QUANTITY CODES LISTED AT END OF THE QUESTIONNAIRE IN COLUMN "A" FOR THE QUANTITY OF PRODUCTION				4. Report the total quantity and value of ...[CROP]...sold. IF CROP NOT SOLD, WRITE ZERO IN TOAL SALES COLUMN AND LEAVE THE OTHERS BLANK			
	CROP CODE		A. UNIT	B. TOTAL QUANTITY HARVESTED	C. QUANTITY GIVEN TO LANDLORD	D. QUANTITY SOLD (OR EXPECTED TO SELL)	A. UNIT	B. TOTAL QUANTITY SOLD	C. PRICE PER UNIT RUPEES	D. TOTAL SALES (B×C) RUPEES

SECTION 11. FARMING AND LIVESTOCK PART B PRODUCTION AND USES (CONTD.)

1. In the past AGRICULTURE YEAR, what crops did you grow? LIST ALL CROPS GROWN BY HOUSEHOLD FIRST BEFORE ASKING Q. 2 - 4.		2. Did you use an improved variety of seed? YES ..... 1 NO 2	3. Please provide the following information related to quantity of ..[CROP].. produced by your household, as well as the various uses to which it was put: USE QUANTITY CODES LISTED AT END OF THE QUESTIONNAIRE IN COLUMN "A" FOR THE QUANTITY OF PRODUCTION				4. Report the total quantity and value of ...[CROP]...sold. IF CROP NOT SOLD, WRITE ZERO IN TOAL SALES COLUMN AND LEAVE THE OTHERS BLANK			
	CROP CODE		A. UNIT	B. TOTAL QUANTITY HARVESTED	C. QUANTITY GIVEN TO LANDLORD	D. QUANTITY SOLD (OR EXPECTED TO SELL)	A. UNIT	B. TOTAL QUANTITY SOLD	C. PRICE PER UNIT RUPEES	D. TOTAL SALES (B×C) RUPEES

99 TOTAL CROP SALES (RUPEES)

SECTION 11. FARMING AND LIVESTOCK PART C1

EXPENDITURES ON SEEDS AND YOUNG PLANTS

1. ..... Did you purchase or receive any seeds or young plants over the past AGRICULTURE YEAR?

YES 1
NO..... 2 (➔PART C2) [ ]

EXPENDITURES ON SEEDS AND YOUNG PLANTS

2. For which crops, did you purchase/receive seeds or young plants? WRITE NAME AND CODE OF CROP:		3. Where did you obtain them? AGRICULTURE DEV. OFFICE/SER.CENTRE1, SEEDS COMPANY/COOPERATIVE.....2, OTHER FARMERS.....3, PRIVATE DEALER.....4, FROM INDIA.....5, LANDLORD.....6, OTHER.....7		4. How much did you spend on buying them? IF NOTHING WRITE ZERO
CROP	CODE	FIRST	SECOND	RUPEES
	98	TRANSPORTATION COSTS:		

99 TOTAL EXPENDITURE ON SEEDS AND PLANTS: [ ]

SECTION 11. FARMING AND LIVESTOCK PART C2

EXPENDITURES ON FERTILIZERS AND INSECTICIDES

1. ..... Did you purchase any chemical fertilizers or insecticides over the past AGRICULTURE YEAR (or receive them from the landlord)?

YES 1
NO..... 2 (➔PART C3) ☐

2. TYPE OF FERTILIZER OR INSECTICIDE:		3. WHAT ARE THE CROPS (MAIN THREE) ON WHICH FERTILIZERS AND INSECTICIDES USED? CROP CODE			4. AMOUNT PURCHASED	
	CODE	A	B	C	QUANTITY (KG)	EXPENDITURE (Rs)
UREA	01					
COMPLEX	02					
DAP	03					
OTHER FERTILIZER	04					
INSECT/PEST-ICIDES	05					
	06	TOTAL TRANSPORTATION COSTS:				

99 TOTAL EXPENDITURE ON FERTILIZER AND INSECTICIDES: ☐

5. Were you able to obtain all the fertilizer you needed over the past AGRICULTURE YEAR?

YES.....1(➔PART C3)
NO.....2 ☐

6. Why were you unable to get all the fertilizer you needed in the past AGRICULTURE YEAR?

NOT AVAILABLE FOR PURCHASE 1
NO MONEY FOR PURCHASE.....2
OTHER .....3 ☐

SECTION 11. FARMING AND LIVESTOCK PART C3

EXPENDITURES ON AGRICULTURAL INPUTS - HIRING LABOUR

1. ..... Did you hire any casual farm workers over the past AGRICULTURE YEAR?

YES 1
NO..... 2(➔9)

2. PROVIDE INFORMATION ON WORKERS HIRED ON WAGE BASIS USE SEPARATE ROWS FOR WORKERS HIRED ON A PIECE-RATE BASIS AND TIME BASIS		PAID ON A DAILY BASIS												
		3. How did you hire these workers on a daily wages or piece-rate basis? DAILY WAGES .....1(➔8) PIECE-RATE.2	4. For how many days in total did you hire this type of workers over the past AGRICULTURE YEAR?		5. How much did you pay in cash per day to each worker?		6. What was the value of what you gave in kind to each worker? (meals, snacks, etc.)		7. INTERVIEWER: ADD THE AMOUNTS REPORTED IN Q. 5 AND 6 (Q. 5 + Q. 6)		8. INTERVIEWER: MULTIPLY MAN-DAYS REPORTED IN Q. 4 BY THE AMOUNT IN Q. 7 IF SKIPPED FROM Q.3, WRITE THE TOTAL ONLY (Q. 4. x Q. 7)		
			TOTAL MAN-DAYS		RUPEES PER DAY		RUPEES PER DAY		EXPENDITURE/WORKER (Rs.)		TOTAL EXPENDITURE (Rs.)		
S.N.	DESCRIPTION		MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	TOTAL
01													
02													
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16	EXCHANGE LABOUR												

9. TOTAL EXPENDITURE ON CASUAL WORKERS: (IF NOTHING WRITE ZERO)

SECTION 11. FARMING AND LIVESTOCK PART C3

EXPENDITURES ON AGRICULTURAL INPUTS - HIRING LABOUR (CONTD.)

10. Did you hire any permanent farm workers over the past AGRICULTURE YEAR?
YES..... 1

NO..... 2 (→13)

11. How many permanent workers did you hire over the past AGRICULTURE YEAR?
NUMBER

12. How much did you pay (cash and in-kind) the permanent workers over the past AGRICULTURE YEAR? TOTAL EXPENDITURE ON PERMANENT WORKERS(Rs.)

13. TOTAL EXPENDITURE ON HIRING FARM LABOR (ADD THE AMOUNT OF Q. 9 AND Q. 12) GRAND TOTAL EXPENDITURE ON HIRED LABOUR (Rs.)

SECTION 11. FARMING AND LIVESTOCK PART D AGRICULTURE-EARNINGS/EXPENDITURES

REVENUES		EXPENDITURES	
REVENUE SOURCE:	TOTAL REVENUE OVER AGRICULTURE YEAR	EXPENDITURE ITEM:	TOTAL EXPENDITURE OVER AGRICULTURE YEAR
1. TOTAL CROP SALES (COPY FROM PART B ROW 99)		9. TOTAL EXPENDITURE ON SEEDS, ETC. (COPY FROM PART C1 ROW 99)	
2. Sale of crop by-products (straw, husk, etc.)		10. TOTAL EXPENDITURE ON FERTILIZER (COPY FROM PART C2 ROW 99)	
		11. TOTAL EXPENDITURE ON HIRED LABOR (COPY FROM PART C3 Q NO. 13)	
		12. Irrigation charges/maintenance of watercourse, etc.	
		13. Transportation of crops to market	
		14. Sacks, twine, or other containers	
		15. Storage facilities	
		16. Improvements on land or buildings	
		17. Repair and maintenance of equipment	
INCOME FROM RENTING OUT:		EXPENDITURE ON RENTING IN:	
3. Draft animals		18. Draft animals	
4. Tractor		19. Tractor	
5. Thresher		20. Thresher	
6. Other machinery		21. Other machinery	
7. Other income		22. Other expenditures	
8. TOTAL REVENUES		23. TOTAL EXPENDITURES	

SECTION 11. FARMING AND LIVESTOCK PART E1 LIVESTOCK - OWNERSHIP

1. ..... Has your household owned any livestock over the past 12 months?

YES 1
NO .....2 (➔PART F) [ ]

2. Did you own any ..[ANIMALS].. over the past 12 months? PUT A CHECK (✓) IN THE APPROPRIATE BOX FOR ANIMAL. IF THE ANSWER TO Q. 2 IS YES, ASK Q. 3-6.				3. How many do you own now? For how much could you buy them all today?		4. How many did you have 12 months ago? For how much could you have bought them all then?		5. How many did you sell over the past 12 months? How much did you sell them for?		6. How many did you buy over the past 12 months? How much did you pay for them?	
ANIMALS	NO	YES	CODE	NUMBER	RUPEES	NUMBER	RUPEES	NUMBER	RUPEES	NUMBER	RUPEES
Bullocks/Cows			01								
He/She Buffaloes			02								
Goats/Castrated goat			03								
He/She Sheep			04								
Yaks/Naks			05								
Pigs/Pork			06								
Horses/Donkeys/Mules,			07								
Poultry/Ducks/ Pigeons			08								
Other livestock			09								
TOTAL			10								

SECTION 11. FARMING AND LIVESTOCK PART E2

LIVESTOCK - EARNINGS/EXPENDITURES

INCOME		EXPENDITURES	
INCOME ITEM	TOTAL REVENUE OVER PAST 12 MONTHS	EXPENDITURE ITEM:	TOTAL EXPENDITURE OVER PAST 12 MONTHS
1. Milk		9 Fodder/Animal feed	
2. Ghee		10 Transportation of animal feed	
3. Eggs		11. Veterinary services, inoculations, etc.	
4. Curd			
5. Meat			
6. Animal hides			
7. Other income (Breeding, Manure, Wool, Bones, etc.)		12. Other expenditures (Breeding, Shade improvement, Twine, etc.)	
8. TOTAL INCOME		13. TOTAL EXPENDITURES	

SECTION 11. FARMING AND LIVESTOCK PART F OWNERSHIP OF FARMING ASSETS AND EXTENSION SERVICES

1. Has your household owned any equipment over the past 12 months?

YES 1
NO..... 2(➔9)

	2. Do you own a ..[EQUIPMENT]..? PUT A CHECK (✓) IN THE APPROPRIATE BOX FOR ALL EQUIPMENT. IF THE ANSWER TO Q.2 IS YES, ASK Q. 3-8.			3. How many ..[AGRICULTURALEQUIPMENT].. does your household presently own?	4. For how much could you sell them all today?	5. How many ..[AGRICULTURAL EQUIPMENT].. did your household sell over the past 12 months? IF NONE WRITE ZERO AND ➔7	6. How much did you receive from the sale of ..[AGRICULTURAL EQUIPMENT]..?	7. How many ..[AGRICULTURAL EQUIPMENT].. did your household buy over the past 12 months? IF NONE WRITE ZERO AND ➔9	8. How much did you pay for ..[AGRICULTURAL EQUIPMENT]..?
	NO	YES	CODE	NUMBER	RUPEES	NUMBER	RUPEES	NUMBER	RUPEES
Tractor/Power tiller			01						
Plough			02						
Cart			03						
Thresher			04						
Trolley			05						
Water Pump			06						
Generator/Diesel Engine			07						
Grain Storage Bin (Drum)			08						
Other Machinery			09						
TOTAL			10						

9. Have you or any member of your household taken technical advice from Government Agriculture Technician over the past 12 months?

YES ..... 1(➔11)
NO..... 2

10. Why did you not take any advice?

SERVICE FAR AWAY.....1
SERVICE IS NOT GOOD.....2

11. Have you or any member of your household taken technical advice from Government Livestock Service Technician over the past 12 months?

YES ..... 1(➔NEXT SECTION)
NO..... 2

12. Why did you not take any advice?

SERVICE FAR AWAY.....1
SERVICE IS NOT GOOD.....2

SECTION 12. NON-AGRICULTURE ENTERPRISES/ACTIVITIES PART GENERAL CHARACTERISTICS

INTERVIEWER: CHECK SECTION 1 PART C TO SEE IF ANY SELF-EMPLOYMENT ACTIVITIES OUTSIDE AGRICULTURE REPORTED

Yes 1
No .....2(➔NEXT SECTION)

ENTERPRISE CODE	1. What kind of enterprise did/do you operate? CROSS CHECK SELF-EMPLOYMENT ACTIVITIES REPORTED IN SECTION 1 PART C WRITE DESCRIPTION IN FULL THE KIND OF ACTIVITY, GOODS AND SERVICES PRODUCED			2. Which people in the household work in this enterprise/activity? WRITE ID CODES OF MAIN PERSON IN COLUMN "A" AND OF OTHERS IN OTHER COLUMNS FROM HOUSEHOLD ROSTER					3. WRITE ID CODE OF PERSON INTERVIEWED	4. For how long has the enterprise been operating? TOTAL TIME IS SUM OF YEARS AND MONTHS.		5. Where do you operate the enterprise? HOME ..... 1 OTHER FIXED LOCATION .. 2 OTHER CHANGING LOCATION .. 3	6. In the past 12 months, how many months did the enterprise operate?	7. Who owns the business? OWNED BY HOUSEHOLD ONLY ..... 1 (➔9) PARTNERSHIP/SHARE WITH OTHER OWNERS 2	8. What share of the profits does your household keep?
	DESCRIPTION OF THE ACTIVITY	PRODUCED, GOODS AND SERVICES	NSIC CODE	A	B	C	D	E	ID CODE	YEARS	MONTHS		MONTHS		PERCENT
01															
02															
03															
04															
05															
06															
07															
08															
09															
10															

SECTION 12. NON-AGRICULTURE ENTERPRISES/ACTIVITIES PART | GENERAL CHARACTERISTICS (CONTD.)

ENTERPRISE CODE	9. Who are your customers? (PRIMARY / SECONDARY) OTHER HOUSEHOLDS OR INDIVIDUALS ..... 1 SMALL ENTERPRISES ..... 2 LARGE PRIVATE ENTERPRISES 3 GOVT. OR OTHER PUBLIC FIRM 4 LOCAL RETAIL TRADERS .... 5 EXPORTERS OR FOREIGN PURCHASERS ..... 6 CONTRACTOR ..... 7 TOURISTS ..... 8 NGO/INTERNAT. ORGANIZATION 9 OTHER 10	10. Is the enterprise registered with the government? YES ... 1 NO 2	11. What was your main source of money for setting up the business? DIDN'T NEED ANY MONEY ..... 1 OWN SAVINGS ..... 2 RELATIVES/FRIENDS .. 3 AGRI. DEV. BANK .... 4 COMMERCIAL BANK .... 5 GRAMEEN-TYPE BANK .. 6 OTHER FINANCIAL INSTITUTION ..... 7 LOCAL GROUP (DHUKUTI) ..... 8 NGO OR RELIEF AGENCY 9 SALE OF ASSETS .... 10 OTHER 11	12. Have you tried to borrow money to operate or expand your business in the past 12 months? YES, SUCCESSFULLY 1 YES, BUT UNSUCCESSFULLY 2 NO ..... 3 (➔14)	13. Whom did you borrow, or try to borrow, from? RELATIVES/FRIENDS .. 1 AGRI. DEV. BANK ... 2 COMMERCIAL BANK .... 3 GRAMEEN-TYPE BANK .. 4 OTHER FINANCIAL INSTITUTION ..... 5 LOCAL GROUP (DHUKUTI) ..... 6 NGO OR RELIEF AGENCY ...7 OTHER 8	14. Did you hire anyone over the past 12 months? YES ... 1 NO .... 2 (➔16)	15. How many workers do you normally hire, during a month when the enterprise is operating?	16. What problems, if any, do you have in running your business? NO MAJOR PROBLEM .. 1 CAPITAL OR CREDIT PROBLEMS ..... 2 LACK OF TECHNICAL KNOW-HOW ..... 3 PROBLEMS WITH SUPPLY OF POWER OR WATER 4 PROBLEMS WITH EQUIPMENT OR SPARE PARTS ... 5 LACK OF ADEQUATE LABOR ..... 6 GOVERNMENT REGULATIONS ..... 7 LACK OF RAW MATERIALS ..... 8 LACK OF CUSTOMERS . 9 TRANSPORT PROBLEMS 10 OTHER 11
01									
02									
03									
04									
05									
06									
07									
08									
09									
10									

SECTION 12. NON-AGRICULTURE ENTERPRISES/ACTIVITIES INCOME FROM ENTERPRISES

		INCOMES	EXPENDITURES OVER PAST 12 MONTHS									
ENTERPRISE CODE	1. ENTERPRISE/ACTIVITY (COPY FROM PART A)	2. GROSS REVENUES OVER THE PAST 12 MONTHS (FROM SALES) RUPEES	3. EXPENDITURES ON WAGES BOTH CASH AND IN-KIND RUPEES	4. EXPENDITURE ON FUEL, KEROSENE, ELECTRICITY, ETC. RUPEES	5. EXPENDITURE ON RAW MATERIALS RUPEES CASH	5. EXPENDITURE ON RAW MATERIALS RUPEES IN-KIND	6. OTHER OPERATING EXPENSES RUPEES	7. NET REVENUES [2-(3+4+5+6)]	8. EXPENDITURE ON CAPITAL GOODS OVER PAST 12 MONTHS RUPEES	9. SALE OF ASSETS OVER PAST 12 MONTHS RUPEES	10. If someone wanted to buy this enterprise today, how much would he have to pay? RUPEES	11. What was its valuation a year ago? RUPEES
01												
02												
03												
04												
05												
06												
07												
08												
09												
10												

SECTION 13. CREDIT AND SAVINGS PART A — BORROWING AND OUTSTANDING LOANS

1. Does any member of your household have loans outstanding, or have your household contracted any loans over the past 12 months that your household has already repaid?
INCLUDE BOTH CASH AND IN-KIND LOANS

YES 1
NO .....2(→PART B)

LOAN NUMBER	2. ASK THE RESPONDENT TO FIRST MENTION ALL THE LOANS THAT NEEDS TO BE PAID (OR THAT HAVE ALREADY BEEN PAID IN CASE OF DURING THE REFERENCE PERIOD) BY THE HOUSEHOLD DESCRIPTION OF LOAN	3. Who was the primary borrower in the household? ID CODE	4. When did you get the loan? MONTH	 YEAR	5. From whom did you obtain the loan? RELATIVES/FRIENDS/NEIGHBOURS .....1 AGRI. DEV. BANK .....2 COMMERCIAL BANK .....3 GRAMEEN-TYPE BANK .....4 OTHER FINANCIAL INSTITUTION .....5 NGO OR RELIEF AGENCY ....6 LANDLORD/EMPLOYER .....7 SHOPKEEPER/MONEY LENDER .8 OTHER 9	6. For what purpose did you obtain the loan? BUSINESS OR FARM USE PURCHASE OF INPUTS (FERTILIZERS, SEEDS, INSECTICIDES, ETC.)..... 1 PURCHASE OF EQUIPMENT ..... 2 PURCHASE OF LAND ..... 3 PURCHASE OF LIVESTOCK ..... 4 BUILDING IMPROVEMENTS FOR BUSINESS ..... 5 OTHER BUSINESS OR FARM USE . 6 PERSONAL USE HOUSEHOLD CONSUMPTION NEEDS 7 PURCHASE/IMPROVEMENT OF DWELLING ..... 8 MARRIAGE/FAMILY EVENTS/FESTIVALS ..... 9 CONSUMER DURABLES ..... 10 OTHER PERSONAL USE 11	7. How much in total did you borrow? INCLUDE ONLY THE PRINCIPAL RUPEES
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							

SECTION 13. CREDIT AND SAVINGS PART A

BORROWING AND OUTSTANDING LOANS (CONTD.)

LOAN NUMBER	8. What is/was the interest or interest rate on the loan?		9. When are/were you scheduled to finish repaying the loan?		10. Have you finished repaying the loan? FULLY PAID ..1 PARTLY PAID .2 NOT PAID AT ALL .....3(➔12)	11. How much principal and interest in total have you repaid?	12. What collateral did you use to secure the loan? AGRICULTURAL LAND ..... 1 BUILDINGS OR OTHER PROPERTY ..... 2 GOLD/SILVER ..... 3 PROPERTY DOCUMENTS ..... 4 PERSONAL GUARANTEE ..... 5 PAST BORROWING RECORD .. 6 OTHER ..... 7 NO COLLATERAL 8	13. How many days did it take to obtain the loan? COUNT FROM THE TIME YOU FORMALLY REQUESTED OR APPLIED FOR THE LOAN TO THE TIME YOU RECEIVED THE MONEY
	RUPEES	PERCENT PER YEAR	MONTH	YEAR		RUPEES		DAYS
01								
02								
03								
04								
05								
06								
07								
08								
09								
10								

SECTION 13. CREDIT AND SAVINGS PART B

LENDING AND OUTSTANDING LOANS

1. Does any person or household outside your household have loans owed to your household, or have any loans been made and been repaid to your household over the past 12 months?

YES.....1
NO.....2 (➔PART C)

LOAN NUMBER	2. ASK THE RESPONDENT TO FIRST MENTION ALL THE LOANS OWED (OR THAT HAVE BEEN MADE AND REPAID IN CASE OF DURING THE REFERENCE PERIOD) TO THE HOUSEHOLD DESCRIPTION OF LOAN	3. Who was the primary lender in the household? ID CODE	4. When was the loan made? MONTH	 YEAR	5. What is the relationship of the borrower to the primary lender? EMPLOYEE/TENANT FARMER ..... 1 BUSINESS CUSTOMER .. 2 OTHER BUSINESS ASSOCIATE ..... 3 FRIEND/NEIGHBOUR.... 4 RELATIVE ..... 5 OTHER..... 6	6. What was the primary purpose for which you lent the money? BUSINESS OR FARM USE PURCHASE OF INPUTS (FERTILIZERS, SEEDS, INSECTICIDES, ETC.) ..... 1 PURCHASE OF EQUIPMENT..... 2 PURCHASE OF LAND..... 3 PURCHASE OF LIVESTOCK..... 4 BUILDING IMPROVEMENTS FOR BUSINESS..... 5 OTHER BUSINESS OR FARM USE. 6 PERSONAL USE HOUSEHOLD CONSUMPTION NEEDS 7 PURCHASE/IMPROVEMENT OF DWELLING..... 8 MARRIAGE/FAMILY EVENTS/FESTIVALS..... 9 CONSUMER DURABLES..... 10 OTHER PERSONAL USE.....11	7. How much in total did you lend? INCLUDE ONLY THE PRINCIPAL RUPEES
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							

SECTION 13. CREDIT AND SAVINGS PART B

LENDING AND OUTSTANDING LOANS (CONTD.)

LOAN NUMBER	8. What is/was the interest or interest rate on the loan?		9. When is/was the borrower scheduled to finish repaying the loan?		10. Has the borrower finished repaying the loan?	11. How much principal and interest in total has been repaid on the loan?	12. What collateral did you lend against?
	RUPEES	PERCENT PER YEAR	MONTH	YEAR	FULLY PAID ..... 1 PARTLY PAID ..... 2 NOT PAID AT ALL ... 3(→12)	RUPEES	AGRICULTURAL LAND ..... 1 BUILDINGS OR OTHER PROPERTY ..... 2 GOLD/SILVER ..... 3 PROPERTY DOCUMENTS ..... 4 PERSONAL GUARANTEE ..... 5 PAST BORROWING RECORD .. 6 OTHER ..... 7 NO COLLATERAL 8
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							

SECTION 13. CREDIT AND SAVINGS PART C

OTHER ASSETS

1. Does your household own any land or property (do not include property in which the household lives, or land or property already reported in Section 11 or 12)?

   YES 1
   NO ..... 2 (➔5)

2. How much money would it cost to buy property like that (reported in Q. 1) owned by your household?

   RUPEES

3. How much money would it have cost a year ago to buy the property (reported in Q. 1) that your household now owns?

   .... RUPEES

4. How much did your household spend in total over the past 12 months in purchasing property?

   IF NOTHING WRITE ZERO RUPEES

5. How much did your household receive in total over the past 12 months from selling property?

   IF NOTHING WRITE ZERO RUPEES

6. How much did your household receive in total over the past 12 months from renting property to others?

   IF NOTHING WRITE ZERO RUPEES

7. Does your household own any other real assets (other than financial assets or those assets already been reported in Section 11 or 12)?

   YES 1
   NO ..... 2 (➔11)

8. How much money would it cost to buy assets like those (reported in Q. 7) owned by your household?

   RUPEES

9. How much money would it have cost a year ago to buy the assets (reported in Q. 7) that your household now owns?

   RUPEES

10. How much did your household spend in total over the past 12 months in purchasing assets?

    IF NOTHING WRITE ZERO RUPEES

11. ..... How much did your household receive in total over the past 12 months from selling assets?

    IF NOTHING WRITE ZERO RUPEES

12. How much did your household receive in total over the past 12 months from renting these assets to others?

    IF NOTHING WRITE ZERO RUPEES

SECTION 14. REMITTANCES AND TRANSFEF PART A

REMITTANCES AND TRANSFER INCOME SENT

1. During the past 12 months, did any member of your household send money or other payments (for example, food or clothing) to someone who is not a member of your household?

YES..... 1
NO..... 2 (➔PART B)

LINE NUMBER	ID CODE OF RESPONDENT ID CODE	2. What are the names of the people to whom members of your household have sent money or goods during the past 12 months? LIST ALL NAMES BEFORE GOING TO Q. 3-8. IF THE RESPONDENT DOES NOT WISH TO GIVE NAMES, LEAVE BLANK	3. Who in your household is primarily responsible for sending this assistance? WRITE ID CODE FROM SECTION 1A ID CODE	4. What is the relationship of the ..[RECIPIENT].. to the donor? USE RELATIONSHIP CODES FROM SECTION 1A	5. What is the sex of the .[RECIPIENT].? MALE .....1 FEMALE 2	6. Where does the ..[RECIPIENT].. currently live? Is it an urban or rural area? URBAN ....1 RURAL .....2 DISTRICT / U/R	7. What is the ..[RECIPIENT'S].. primary work activity? WAGE EMPLOYEE IN AG 1 WAGE EMPLOYEE IN NON-AG.....2 SELF EMPLOYEE IN AG 3 SELF EMPLOYEE IN NON-AG.....4 STUDY.....5 OTHER.....6	8. How much in total did you send to .[RECIPIENT]. over the past 12 months? RUPEES CASH / IN-KIND
01								
02								
03								
04								
05								
06								
07								
08								
09								
10								

SECTION 14. REMITTANCES AND TRANSFERS PART B | REMITTANCES AND TRANSFER INCOME RECEIVED

1. During the past 12 months, has any member of your household received any money or payments in kind, or gifts from any person who is not a member of your household?

YES..... 1
NO..... 2 (➔NEXT SECTION) ☐

LINE NUMBER	ID CODE OF RESPONDENT ID CODE	2. What are the names of all the people who sent you money or goods during the past 12 months? LIST ALL NAMES BEFORE GOING TO Q. 3-10. IF THE RESPONDENT DOES NOT WISH TO GIVE NAMES, LEAVE BLANK	3. Who in your household is the primary recipient of the assistance? WRITE ID CODE FROM SECTION 1A ID CODE	4. What is the relationship of the ..[DONOR].. to the recipient? USE RELATIONSHIP CODES FROM SECTION 1A	5. What is the sex of the ..[DONOR].? IF THE DONOR IS AN ORGANIZATION, WRITE "9" AND ➔9 MALE .....1 FEMALE ...2	6. What is the age of the .[DONOR].? YEARS	7. Where does the ..[DONOR].. currently live? Is it an urban or rural area? URBAN .....1 RURAL .....2 DISTRICT	7. U/R	8. What is the .[DONOR'S].. primary work activity? WAGE EMPLOYEE IN AG. 1 WAGE EMPLOYEE IN NON-AG..... 2 SELF EMPLOYEE IN AG. 3 SELF EMPLOYEE IN NON-AG..... 4 STUDY..... 5 OTHER..... 6	9. How much in total did you receive from. ..[DONOR].. over the past 12 months? RUPEES CASH	9. IN-KIND	10. How does the ..[DONOR].. usually send the amount? FINANCIAL INSTITUTION 1 HUNDI ..... 2 PERSONAL ... 3 OTHER 4
01												
02												
03												
04												
05												
06												
07												
08												
09												
10												

SECTION 15. OTHER INCOME

1. TYPE OF ASSET OR SOURCE OF INCOME		2. What is the current value of the .[ITEM]. that the household owns?	3. What was the value of the ..[ITEM].. a year ago?	4. How much has the household received from ..[ITEM].. in the past 12 months? (interest, dividends, profit, payments, etc.)
ITEM	CODE	RUPEES	RUPEES	RUPEES
Cash/Current/Saving account	101			
Fixed deposit	102			
Shares, stocks, treasury bills	103			
Employee Provident Fund/Citizen Investment Fund	104			
Internal Pension (Domestic)	105			
External Pension (Foreign)	106			
Commission fee, royalties, etc.	107			
Other	108			

SECTION 16. CHILDREN AWAY FROM HOME (UNDER 15 YEARS)

1. Are any children under 15 years of age away from this household? Yes..1 No...2➔NEXT SECTION ☐

CHILD NUMBER	2. CHILD'S NAME LIST ALL THE CHILDREN UNDER 15 YEARS OF AGE ABSENT FROM THE HOUSEHOLD	3. RECORD THE ID CODE OF ..[NAME'S].. PARENTS FROM THE ROSTER. IF IT IS NOT ON ROSTER, CODE AS FOLLOWING. ALIVE.....97 DECEASED.....98 UNKNOWN.....99 FATHER'S ID CODE	MOTHER'S ID CODE	4. What is the sex of ..[NAME] ..? MALE 1 FEMALE2	5. What is the relation of ..[NAME].. to the household head? SON/DAUGHTER 1 STEP-SON/ DAUGHTER ..2 GRANDCHILD .3 BROTHER/SISTER .....4 NEPHEW/NIECE 5 OTHER 6	6. What was/is the age of ..[NAME]. .? WRITE THE AGE OF NAME WHEN HE/SHE LEFT THE HOME AND OF NOW. WRITE THE AGE IN COMPLETE YEAR. THEN	NOW	7. What was/is the highest level of education that ..[NAME]. . completed ? WRITE THE EDUCATION CODE OF NAME WHEN HE/SHE LEFT THE HOME AND OF NOW THEN	NOW	8. Where has ..[NAME].. gone when he/she left? Was it then an urban or rural area? URBAN.....1 RURAL.....2 IF PLACE IS UNKNOWN, WRITE "99" IN DISTRICT COLUMN DISTRICT	U/R	9. What does ..[NAME].. primarily do there? WORK.....1 STUDY.....2 (➔NEXT PERSON) LIVE WITH RELATIVES . 3 (➔NEXT PERSON) LEAVE WITH PARENTS .. 4 (➔NEXT PERSON) DON'T KNOW 5 (➔NEXT PERSON)	10. What work does ..[NAME].. primarily do there? SPECIFY THE WORK DONE AND GIVE APPROPRIATE NSCO CODE IN CASE OF 'OTHER' RAG PICKING .916 DOMESTIC WORK913 PORTER .....915 WORK IN MINES711 WORK IN CARPET FACTORY ....743 BONDED LABOUR996 AGRI. LABOUR 921 OTHER ..... DON'T KNOW .009	11. Did your household receive any money or goods from ..[NAME].. or ..[NAME'S].. employer during the past 12 months? **INTERVIEWER**: CHECK THIS WITH SECTION 14 PART B YES.....1 NO.....2
01															
02															
03															
04															
05															
06															
07															
08															
09															
10															

SECTION 17. ADEQUACY OF CONSUMPTION AND GOVERNMENT SERVICES/FACILITIES

ID CODE OF RESPONDENT

I would like to ask your opinion of your family's standard of living.	It was less than adequate for your family's needs.....1 It was just adequate for your family's needs .....2 It was more than adequate for your family's needs.....3 Not applicable.....4
1. Concerning your family's food consumption over the past one month, which of the following is true?	
2. Concerning your family's housing, which of the following is true?	
3. Concerning your family's clothing, which of the following is true?	
4. Concerning the health care your family gets, which of the following is true?	
5. Concerning your children's schooling, which of the following is true?	
6. Concerning your family's total income over the past one month, which of the following is true?	

7. IF THE ANSWER TO Q. 1 IS "1", ASK:

Do you consider that you, or any member of your family eats too little food to live a healthy and active live? YES... 1 NO.... 2

Now, I would like to ask you to rate the government services/facilities that your household uses.	GOOD..... 1 FAIR..... 2 BAD..... 3 NOT APPLICABLE..... 4
8. How do you take the health services consuming by your household?	
9. How do you take the education services consuming by your household?	
10. How do you take the drinking water services consuming by your household?	
11. How do you take the electricity services consuming by your household?	
12. How do you take the road facilities consuming by your household?	
13. How do you take the postal services consuming by your household?	
14. How do you take the telephone services consuming by your household?	

SECTION 18. PANEL SAMPLE HOUSEHOLD TRACKING

District	Municipality/VDC	Ward	Sub-ward	Household S. No.	PSU	HH

1. Is this household in the NLSS-01 form?	2. Was this household found?	3. What is the reason of not found?	4. Where and when did the HH move?	5. Who stated this reason?
Yes 1 No 2	Yes 1 → 6 No 2	Moved 1 Other 2 → 5 Don't know 3 → NEXT HH	District Urban 1 Rural 2 Year	Relative 1 Neighbour 2 Knowledgeable person 3 Other person 4 → NEXT HOUSEHOLD

HOUSEHOLD COMPOSITION IN 1996					CURRENT SITUATION						
					HOUSEHOLD MEMBER		NOT HOUSEHOLD MEMBER				
ID CODE IN 1996	6. NAME	7. SEX	8. RELATIONSHIP TO THE HEAD OF THE HOUSEHOLD IN 1996	9. AGE IN 1996	10. IS THIS PERSON MEMBER IN THE NEW HOUSEHOLD ROSTER?	11. WRITE THE ID CODE OF THIS PERSON IN THE NEW ROSTER	12. WHY IS THIS PERSON NOT THE HOUSEHOLD MEMBER NOW?	13. WHERE IS THIS PERSON LIVING NOW?			14. WHEN DID THIS PERSON DIE, OR MOVE?
								IS IT IN THIS SAME PSU?	IN WHAT DISTRICT OR COUNTRY IS THIS PERSON LIVING NOW?		
			HEAD 1				DIED 1 → 14				
			HUSBAND/WIFE 2				HOUSEHOLD SPLIT 2				
			SON/DAUGHTER 3				MOVED FOR WORK 3				
			GRANDCHILD 4				MOVED DUE TO MARRIAGE 4				
			FATHER/MOTHER 5				MOVED FOR STUDIES 5				
			BROTHER/SISTER 6				OTHER 6 → 14				
			NEPHEW/NIECE 7								
			SON/DAUGHTER-IN-LAW 8								
			BROTHER/SISTER-IN-LAW 9								
			FATHER/MOTHER-IN-LAW 10								
			OTHER FAMILY RELATIVE 11			→ NEXT PERSON			URBAN 1		
			SERVANT/SERVANT'S RELATIVE 12						RURAL 2		
		MALE 1	TENANT/TENANT'S RELATIVE 13		YES 1			YES 1 → 14			
		FEMALE 2	OTHER PERSON NON RELATED 14	YEARS	NO 2 → 12	ID CODE		NO 2	DISTRICT	U/R	YEAR
01											
02											
03											
04											
05											
06											
07											
08											
09											
10											

TICK ( ) ONLY THE HOUSEHOLD MEMBERS IN COLUMN 'A' AND WRITE THE AGE OF ALL HOUSEHOLD MEMBERS IN COLUMN 'B'.

IDENTIFICATION CODE	1. INTERVIEWER: MAKE A COMPLETE LIST OF ALL CONCERNED BEFORE GOING TO Q.2 – 9. FIRST OF ALL WRITE THE NAME OF HOUSEHOLD HEAD, THEN HEAD'S SPOUSE, SON/DAUGHTER, GRAND-SON/DAUGHTER, PARENTS, ETC. RESPECTIVELY.	IDENTIFICATION CODE

389

CASTE/ETHNIC GROUP	ETHNICITY CODE

A	B			C	D
		01			
		02			
		03			
		04			
		05			
		06			
		07			
		08			
		09			
		10			
		11			
		12			
		13			
		14			
		15			

ANNEX 1

NSIC CODES

01 AGRICULTURE AND RELATED SERVICE ACTIVITIES
02 FORESTRY, LOGGING AND RELATED SERVICE ACTIVITIES
05 FISHING, OPERATION OF FISH HATCHERIES AND FISH FARMS; SERVICE ACTIVITIES INCIDENTAL TO FISHING
10 MINING OF COAL AND LIGNITE; EXTRACTION OF PEAT
11 EXTRACTION OF CRUDE PETROLIUM AND NATURAL GAS; SERVICE ACTIVITIES INCIDENTAL TO OIL AND GAS EXTRACTION EXCLUDING SURVEYING
12 MINING OF URANIUM AND THORIUM ORES
13 MINING OF METAL ORES
14 OTHER MINING AND QUARRYING
15 MANUFACTURE OF FOOD PRODUCTS AND BEVERAGES
16 MANUFACTURE OF TOBACCO PRODUCTS
17 MANUFACTURE OF TEXTILES
18 MANUFACTURE OF WEARING APPREL; DRESSING AND DYEING OF FUR
19 TANNING AND DRESSING OF LEATHER; MANUFACTURE OF LUGGAGE, HANDBAGS, SADDLERY AND HARNESS
20 MANUFACTURE OF WOOD AND OF PRODUCTS OF WOOD AND CORK, EXCEPT FURNITURE; MANUFACTURE OF ARTICLES OF STRAW AND PLAITING MATERIALS
21 MANUFACTURE OF PAPER AND PAPER PRODUCTS
22 PUBLISHING, PRINTING AND REPRODUCTION OF RECORDED MEDIA
23 MANUFACTURE OF COKE, REFINED PETROLIUM PRODUCTS AND NUCLEAR FUEL
24 MANUFACTURE OF CHEMICALS AND CHEMICAL PRODUCTS
25 MANUFACTURE OF RUBBER AND PLASICS PRODUCTS
26 MANUFACTURE OF OTHER NON-METALIC MINARAL PRODUCTS
27 MANUFACTURE OF BASIC METALS
28 MANUFACTURE OF FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND EQUIPMENT
29 MANUFACTURE OF MACHINERY AND EQUIPMENT N.E.C.
30 MANUFACTURE OF OFFICE, ACCOUNTING AND COMPUTING MACHINERY
31 MANUFACTURE OF ELECTRICAL MACHINERY AND APPARATUS N.E.C.
32 MANUFACTURE OF RADIO, TV AND COMMUNICATION EQUIPMENT AND APPARATUS
33 MANUFACTURE OF MEDICAL, PRECISION AND OPTICAL INSTRUMENTS, WATCHES AND CLOCKS
34 MANUFACTURE OF MOTOR VEHICLES; TRAILERS AND SEMI-TRAILERS
35 MANUFACTURE OF OTHER TRANSPORT EQUIPMENT
36 MANUFACTURE OF FURNITURE; MANUFACTURING N.E.C.
37 RECYCLING
40 ELECTRICITY AND GAS SUPPLY
41 COLLECTIONS, PURIFICATION AND DISTRIBUTION OF WATER
45 CONSTRUCTION
50 SALE, MAINTENANCE AND REPAIR OF MOTOR VEHICLES AND MOTORCYCLES; RETAIL SALE OF AUTOMOTIVE FUEL
51 WHOLESALE TRADE AND COMMISSION TRADE, EXCEPT OF MOTOR VEHICLES AND MOTORCYCLES
52 RETAIL TRADE, EXCEPT OF MOTOR VEHICLES AND MOTORCYCLES; REPAIR OF PERSONAL AND HOUSEHOLD GOODS
55 HOTELS AND RESTAURANTS
60 LAND TRANSPORT
61 WATER TRANSPORT
62 AIR TRANSPORT
63 SUPPORTING AND AUXILIARY TRANSPORT ACTIVITIES; ACTIVITIES OF TRAVEL AGENCIES
64 POST AND TELECOMMUNICATIONS
65 FINANCIAL INTERMEDIATION, EXCEPT INSURANCE AND PENSION FUNDING
66 INSURANCE AND PENSION FUNDING, EXCEPT COMPULSORY SOCIAL SECURITY
67 ACTIVITIES AUXILIARY TO FINANCIAL INTERMEDIATION
70 REAL ESTATE ACTIVITIES
71 RENTING OF MACHINERY AND EQUIPMENT WITHOUT OPERATOR AND OF PERSONAL AND HOUSEHOLD GOODS
72 COMPUTER AND RELATED ACTIVITIES
73 RESEARCHES AND DEVELOPMENT
74 OTHER BUSINESS ACTIVITIES
75 PUBLIC ADMINISTRATION AND DEFENCE; COMPULSORY SOCIAL SECURITY
80 EDUCATION
85 HEALTHS AND SOCIAL WORK
90 SEWAGE AND REFUSE DISPOSAL, SANITATION AND SIMILAR ACTIVITIES
91 ACTIVITIES OF MEMBERSHIP ORGANIZATIONS N.E.C.
92 RECREATIONAL, CULTURAL AND SPORTING ACTIVITIES
93 OTHER SERVICE ACTIVITIES
95 PRIVATE HOUSEHOLDS WITH EMPLOYED PERSONS
99 EXTRA-TERRITORIAL ORGANIZATION AND BODIES

011 ARMED FORCES
111 LEGISLATORS
112 GOVERNMENT OFFICIALS
114 OFFICIALS OF SPECIAL INTEREST ORGANIZATIONS
121 DIRECTORS AND CHIEF EXECUTIVES
122 PRODUCTION AND OPERATIONS DEPARTMENT MANAGERS
123 OTHER DEPARTMENT MANAGERS
131 GENERAL MANAGERS/MANAGING PROPRIETORS
211 PHYSICISTS, CHEMISTS AND RELATED PROFESSIONALS
212 MATHEMATICIANS, STATISTICIANS AND RELATED PROFESSIONALS
213 COMPUTING PROFESSIONALS
214 ARCHITECTS, ENGINEERS AND RELATED PROFESSIONALS
221 LIFE SCIENCE PROFESSIONALS
222 HEALTH PROFESSIONALS, EXCEPT NURSING
223 NURSING AND MIDWIFERY PROFESSIONALS
231 COLLEGE, UNIVERSITY AND HIGHER EDUCATION TEACHING PROFESSIONALS
232 SECONDARY EDUCATION TEACHING PROFESSIONALS
233 PRIMARY AND PRE-PRIMARY EDUCATION TEACHING PROFESSIONALS
234 SPECIAL EDUCATION TEACHING PROFESSIONALS
235 OTHER TEACHING PROFESSIONALS
241 BUSINESS PROFESSIONALS
242 LEGAL PROFESSIONALS
243 ARCHIVISTS, LIBRARIANS AND RELATED INFORMATION PROFESSIONALS
244 SOCIAL SCIENCE AND RELATED PROFESSIONALS
245 WRITERS AND CREATIVE OR PERFORMING ARTISTS
246 RELIGIOUS PROFESSIONALS
311 PHYSICAL AND ENGINEERING SCIENCE TECHNICIANS
312 COMPUTER ASSOCIATE PROFESSIONALS
313 OPTICAL AND ELECTRONIC EQUIPMENT OPERATORS
314 AIRCRAFT CONTROLLERS AND TECHNICIANS
315 SAFETY AND QUALITY INSPECTORS
321 LIFE SCIENCE TECHNICIANS AND RELATED ASSOCIATE PROFESSIONALS
322 MODERN HEALTH ASSOCIATE PROFESSIONAL, EXCEPT NURSING
323 NURSING AND MIDWIFERY ASSOCIATE PROFESSIONALS
324 TRADITIONAL MEDICINE PRACTITIONERS AND FAITH HEALERS
331 PRIMARY EDUCATION TEACHING ASSOCIATE PROFESSIONALS
332 PRE-PRIMARY EDUCATION TEACHING ASSOCIATE PROFESSIONALS
333 SPECIAL EDUCATION TEACHING ASSOCIATE PROFESSIONALS
334 OTHER TEACHING ASSOCIATE PROFESSIONALS
341 FINANCE AND SALES ASSOCIATE PROFESSIONALS
342 BUSINESS SERVICES AGENT AND TRADE BROKERS
343 ADMINISTRATIVE ASSOCIATE PROFESSIONALS
344 CUSTOMS, TAX AND RELATED GOVERNMENT ASSOCIATE PROFESSIONALS
345 POLICE INSPECTORS AND DETECTIVES
346 SOCIAL WORK ASSOCIATE PROFESSIONALS
347 ARTISTIC, ENTERTAINMENT AND SOPRTS ASSOCIATE PROFESSIONALS
348 RELIGIOUS ASSOCIATE PROFESSIONALS
411 SECRETARIES AND KEYBOARD-OPERATING CLERKS/ASSISTANTS
412 NUMERICAL CLERKS/OFFICE ASSISTANTS
413 MATERIAL-RECORDING AND TRANSPORT CLERKS/OFFICE ASSISTANTS
414 LIBRARY, MAIL AND RELATED CLERKS/OFFICE ASSISTANTS
419 OTHER OFFICE CLERKS/ASSISTANTS
421 CASHIERS, TELLERS AND RELATED CLERKS/OFFICE ASSISTANTS
422 CLIENT INFORMATION CLERKS/OFFICE ASSISTANTS
511 TRAVEL ATTENDANTS AND RELATED WORKERS
512 HOUSEKEEPING AND RESTAURANT SERVICES WORKERS
513 PERSONAL CARE AND RELATED WORKERS
514 OTHER PROFESSIONAL SERVICES WORKERS
515 ASTROLOGERS, FORTUNE-TELLERS AND RELATED WORKERS
516 PROTECTIVE SERVICE WORKERS
521 FASHION AND OTHER MODELS
522 SHOP SALESPERSONS AND DEMONSTRATOTRS
523 STALL AND MARKET SALESPERSONS
611 MARKET-ORIENTED GARDENERS AND CROP GROWERS
612 MARKET-ORIENTED ANIMAL PRODUCERS AND RELATED WORKERS
613 MARKET-ORIENTED CROP AND ANIMAL PRODUCERS
614 FORESTRY AND RELATED WORKERS
615 FISHERY WORKERS
621 SUBSISTENCE AGRICULTURAL AND FISHERY WORKERS
711 MINERS, SHOFTIRERS, STONE CUTTERS AND CARVERS
712 BUILDING FRAME AND RELATED TRADES WORKERS
713 BUILDING FINISHERS AND RELATED TRADES WORKERS
714 PAINTERS, BUILDING STRUCTURE CLEANERS AND RELATED TRADES WORKERS
721 METAL MOULDERS, WELDERS, SHEET-METAL WORKERS, STRUCTURAL-METAL PREPARER
722 BLACKSMITHS, TOOL-MAKERS AND RELATED TRADES WORKERS
723 MACHINERY MECHANICS AND FITTERS
724 ELECTRICAL AND ELECTRONIC EQUIPMENT MECHANICS AND FITTERS
731 PRECISION WORKERS IN METAL AND RELATED MATERIALS
732 POTTERS, GLASS-MAKERS AND RELATED TRADES WORKERS
733 HANDICRAFT WORKERS IN WOOD, TEXTILE, LEATHER AND RELATED MATERIALS
734 PRINTING AND RELATED TRADES WORKERS
741 FOOD PROCESSING AND RELATED TRADES WORKERS
742 WOOD TREATERS, CABINET-MAKERS AND RELATED TRADERS WORKERS
743 TEXTILE, GARMENT AND RELATED TRADES WORKERS
744 PELT, LEATHER AND SHOE MAKING TRADES WORKERS
811 MINING AND MINERAL-PROCESSING PLANT OPERATORS
812 METAL-PROCESSING-PLANT OPERATORS
813 GLASS, CERAMICS AND RELATIVE PLANT OPERATORS
814 WOOD-PROCESSING AND PAPERMAKING-PLANT OPERATORS
815 CHEMICAL-PROCESSING-PLANT OPERATORS
816 POWER-PRODUCTION AND RELATED PLANT OPERATORS
817 AUTOMATED-ASSEMBLY-LINE AND INDUSTRIAL-ROBOT OPERATORS
821 METAL AND MINERAL PRODUCTS MACHINE OPERATORS
822 CHEMICAL-PRODUCTS MACHINE OPERATORS
823 RUBBER AND PLASTIC PRODUCTS MACHINE OPERATORS
824 WOOD-PRODUCTS MACHINE OPERATORS
825 PRINTING, BINDING AND PAPER PRODUCTS MACHINE OPERATORS
826 TEXTILE, FUR AND LEATHER-PRODUCTS MACHINE OPERATORS
827 FOOD AND RELATED PRODUCTS MACHINE OPERATORS
828 ASSEMBLERS
829 OTHER MACHINE OPERATORS AND ASSEMBLERS
831 LOCOMOTIVE-ENGINE DRIVERS AND RELATED WORKERS
832 MOTOR VEHICLE DRIVERS
833 AGRICULTURAL AND OTHER MOBILE-PLANT OPERATORS
911 STREET VENDORS AND RELATED WORKERS
912 SHOE CLEANING AND OTHER STREET SERVICES ELEMENTARY OCCUPATIONS
913 DOMESTIC AND RELATED HELPERS, CLEANERS AND LAUNDERERS
914 BUILDING CARETAKERS, WINDOWS AND RELATED CLEANERS
915 MESSENGERS, PORTERS, DOORKEEPERS AND RELATED WORKERS
916 GARBAGE COLLECTORS AND RELATED LABOURERS
921 AGRICULTURAL, FISHERY AND RELATED LABOURERS
931 MINING AND CONSTRUCTION LABOURERS
932 MANUFACTURING LABOURERS
933 TRANSPORT LABOURERS AND FREIGHT HANDLERS
997 HOUSEHOLD WORK
998 STUDENT
999 NOT WORKING

ANNEX 3

DISTRICT CODES

TAPLEJUNG 01
PANCHTHAR 02
ILAM 03
JHAPA 04
MORANG 05
SUNSARI 06
DHANKUTA 07
TEHRATHUM 08
SANKHUWASABHA 09
BHOJPUR 10
SOLUKHUMBU 11
OKHALDHUNGA 12
KHOTANG 13
UDAYAPUR 14
SAPTARI 15
SIRAHA 16
DHANUSHA 17
MAHOTTARI 18
SARLAHI 19
SINDHULI 20
RAMECHHAP 21
DOLAKHA 22
SINDHUPALCHOK 23
KAVREPALANCHOK 24
LALITPUR 25
BHAKTAPUR 26
KATHMANDU 27
NUWAKOT 28
RASUWA 29
DHADING 30
MAKWANPUR 31
RAUTAHAT 32
BARA 33
PARSA 34
CHITWAN 35
GORKHA 36
LAMJUNG 37
TANAHUN 38
SYANGJA 39
KASKI 40
MANANG 41
MUSTANG 42
MYAGDI 43
PARBAT 44
BAGLUNG 45
GULMI 46
PALPA 47
NAWALPARASI 48
RUPANDEHI 49
KAPILBASTU 50
ARGHAKHANCHI 51
PYUTHAN 52
ROLPA 53
RUKUM 54
SALYAN 55
DANG 56
BANKE 57
BARDIYA 58
SURKHET 59
DAILEKH 60
JAJARKOT 61
DOLPA 62
JUMLA 63
KALIKOT 64
MUGU 65
HUMLA 66
BAJURA 67
BAJHANG 68
ACHHAM 69
DOTI 70
KAILALI 71
KANCHANPUR 72
DANDHELDHURA 73
BAITADI 74
DARCHULA 75
INDIA 81
BHUTAN 82
CHINA 83
BANGLADESH 84
HONG KONG 85
MALAYASIA 86
JAPAN 87
SAUDI ARABIA 88
QATAR 89
UNITED ARAB EMIRATES 90
UNITED KINGDOM 91
UNITED STATES OF AMERICA 92
OTHER COUNTRY 93

ANNEX 4

ETHNICITY CODES

CHHETRI 01
BRAHMAN (HILL) 02
MAGAR 03
THARU 04
TAMANG 05
NEWAR 06
MUSLIM 07
KAMI 08
YADAV 09
RAI 10
GURUNG 11
DAMAIN/DHOLI 12
LIMBU 13
THAKURI 14
SARKI 15
TELI 16
CHAMAR/HARIJAN/RAM .. 17
KOIRI 18
KURMI 19
SANYASI 20
DHANUK 21
MUSAHAR 22
DUSADH/PASWAN/PASI .. 23
SHERPA 24
SONAR 25
KEWAT 26
BRAHMAN (TARAI) 27
BANIYA 28
GHARTI/BHUJEL 29
MALLAH 30
KALWAR 31
KUMAL 32
HAJAM/THAKUR 33
KANU 34
RAJBANSI 35
SUNUWAR 36
SUDHI 37
LOHAR 38
TATMA 39
KHATWE 40
DHOBI 41
MAJHI 42
NUNIYA 43
KUMHAR 44
DANUWAR 45
CHEPANG/PRAJA 46
HALUWAI 47
RAJPUT 48
KAYASTHA 49
BADHAE 50
MARWADI 51
SANTHAL/SATAR 52
DHAGAR/JHAGAR 53
BANTAR 54
BARAE 55
KAHAR 56
GANGAI 57
LODHA 58
RAJBHAR 59
THAMI 60
DHIMAL 61
BHOTE 62
BING/BINDA 63
BHEDIYAR/GADERI 64
NURANG 65
YAKKHA 66
DARAI 67
TAJPURIYA 68
THAKALI 69
CHIDIMAR 70
PAHARI 71
MALI 72
BANGALI 73
CHHANTAL 74
DOM 75
KAMAR 76
BOTE 77
BRAHMU/BARAMU 78
GAINE 79
JIREL 80
ADIBASI/JANAJATI 81
DURA 82
CHURAUTE 83
BADI 84
MECHE 85
LEPCHA 86
HALKHOR 87
PUNJABI/SIKH 88
KISAN 89
RAJI 90
BYANGSI 91
HAYU 92
KOCHE 93
DHUNIA 94
WALUNG 95
JAINE 96
MUNDA 97
RAUTE 98
YEHLMO 99
PATHARKATA/KUSWADIYA 100
KUSUNDA 101
OTHER CASTE 102

ANNEX 5
LANGUAGE CODES

NEPALI 01
MAITHILI 02
BHOJPURI 03
THARU (DAGAURA/RANA) 04
TAMANG 05
NEWAR 06
MAGAR 07
AWADHI 08
BANTAWA 09
GURUNG 10
LIMBU 11
BAJJIKA 12
URDU 13
RAJBANSI 14
SHERPA 15
HINDI 16
CHAMLING 17
SANTHALI 18
CHEPANG 19
DANUWAR 20
JHANGAD/DHANGAD 21
SUNUWAR 22
BANGLA 23
MARWADI/RAJASTHANI .. 24
MAJHI 25
OTHER LANGUAGE 26

ANNEX 6
RELIGION CODES

HINDU 01
BOUDDHA 02
ISLAM 03
KIRANT 04
JAIN 05
CHRISTIAN 06
SHIKH 07
BAHAI 08
OTHER RELIGION 09

ANNEX 7
MONTH CODES

BAISHAKH 01
JETH 02
ASAR 03
SAUN 04
BHADAU 05
ASOJ 06
KATTIK 07
MANGSIR 08
PUS 09
MAGH 10
FAGUN 11
CHAIT 12

ANNEX 8
EDUCATION CODES

PRE-SCHOOL/KINDERGARTEN
..... 00
CLASS 1 01
CLASS 2 02
CLASS 3 03
CLASS 4 04
CLASS 5 05
CLASS 6 06
CLASS 7 07
CLASS 8 08
CLASS 9 09
CLASS 10 10
SLC 11
CLASS 12/INTERMEDIATE
LEVEL 12
BACHELOR LEVEL 13
MASTER LEVEL 14
PROFESSIONAL DEGREE . 15
LITERATE (NON-FORMAL
EDUCATION) 16
ILLITERATE 17

ANNEX 9
QUANTITY CODES

KILOGRAM 01
GRAM 02
MAUND 03
LITRE 04
MURI 05
PATHI 06
MANA 07
KURUWA 08
NUMBER/PIECES 09
DOZEN 10

ANNEX 10
CROP CODES

CEREALS:
EARLY PADDY 01
MAIN PADDY 02
UPLAND PADDY 03
WHEAT 04
WINTER/SPRING MAIZE . 05
SUMMER MAIZE 06
MILLET 07
BARLEY 08
BUCKWHEAT 09
OTHER CEREALS 10

PULSES AND LEGUMES:
SOYBEAN 11
BLACK GRAM 12
RED GRAM 13
GRASS PEA 14
LENTIL 15
HORSE GRAM 16
PEA 17
GREEN GRAM 18
COARSE GRAM 19
COW PEA 20
OTHER LEGUMES 21

TUBER AND BULB CROPS:
WINTER POTATO 22
SUMMER POTATO 23
SWEET POTATO 24
COLOCASIA 25
OTHER TUBERS 26

OILSEED CROPS:
MUSTARD 27
GROUND NUT 28
LINSEED 29
SESAME 30
OTHER OILSEED 31

CASH CROPS:
SUGARCANE 32
JUTE 33
TOBACCO 34
OTHER (INCLUDING COTTON)
..... 35

SPICES:
CHILIES 36
ONIONS 37
GARLIC 38
GINGER 39
TURMERIC 40
CARDAMOM 41
CORIANDER SEED 42
OTHER SPICES 43

VEGETABLES:
WINTER VEGETABLES ... 44
SUMMER VEGETABLES ... 45

CITRUS FRUITS:
ORANGE 46
LEMON 47
LIME 48
SWEET LIME 49
OTHER CITRUS 50

NON-CITRUS FRUITS:
MANGO 51
BANANA 52
GUAVA 53
JACK FRUIT 54
PINEAPPLE 55
LICHEE 56
PEAR 57
APPLE 58
PLUM 59
PAPAYA 60
POMEGRANATE 61
OTHER FRUIT 62

OTHER:
TEA 63
THATCH 64
FODDER TREES 65
BAMBOO 66
OTHER TREES 67

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	001	1	3		QNT	SURVEY INFORMATION		Section 00 (Cover Page)
WWWHH	001	4	5		QNT	Household Identifier		
WWW	001	4	3		QNT	Primary Sampling Unit		
HH	001	7	2		QNT	Household Number		
SERL	001	9	3		QNT	Household Serial No. in the PSU list		
DINTYY	001	12	2		QNT	Date of interview YY		
DINTMM	001	14	2		QNT	MM		
DINTDD	001	16	2		QNT	DD		
INTC	001	18	4		QLA	Interviewer	I011	Kiran Bista
							I012	Sita Pokharel
							I013	Laxmi Subedi
							I021	Anjani Pokharel
							I022	Ambika Pant
							I023	Prabha Khatiwada
							I031	Kiran Acharya
							I032	Sharada Pokharel
							I033	Bebi Deji Gupta
							I041	Pashupati Lal Das
							I042	Sabitra Pariyar
							I043	Gita Koirala
							I051	Md. Ishaq Rain
							I052	Biswo D. Dhungana
							I053	Indira Upreti
							I061	Mahant Yadav
							I062	Sumitra Mainali
							I063	Yashoda Pandey
							I071	Santosh Karki
							I072	Madan K. Shrestha
							I073	Sabina Dhakal
							I081	Yamuna Shrestha
							I082	Sobha Bista
							I083	Niru Sharma
							I091	Aruna Pokharel
							I092	Sarada Shrestha
							I093	Basanti Shrestha
							I101	Rishi Ram Acharya
							I102	Laxmi Ghimire
							I103	Ganga Mishra
							I111	Dhan Bdr. BC
							I112	Shrijana Acharya
							I113	Mina Kumari Dhakal
							I121	Rabi Lal Shrestha
							I122	Yamuna Devi Gurung
							I123	Ambika KC
							I131	Bhakti Ram Gautam
							I132	Madhav Poudel
							I133	Tika Kumari BC
							I141	Hari B. Gharti
							I142	Bishnu Adhikari
							I143	Bidhya Sinjapati
							I151	Rugum B. Thapa
							I152	Laxmi Poudel
							I153	Tulki Kumari Poudel
							I161	Ganesh B. Bad

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							I162	Mohan Pokhrel
							I163	Khima Kumari Sharma
INTV	001	22	1		QLN	Household interviewed?	1	Yes
							2	No
RESN	001	23	1		QLN	Reason	1	Dwelling not found
							2	Household not found
							3	Refusal
NEWH	001	24	2		QNT	HH to be interviewed		
OLDH	001	26	2		QNT	Not interviewed		
RELI	001	28	1		QLN	Religion	1	Hindu
							2	Buddhist
							3	Muslim
							4	Kirat
							5	Jain
							6	Christian
							7	Shikh
							8	Bahai
							9	Others
LANG	001	29	2		QLN	Language used	1	Nepali
							2	Maithili
							3	Bhojpuri
							4	Tharu/Dagoura
							5	Tamang
							6	Newar
							7	Magar
							8	Awadhi
							9	Bantawa
							10	Gurung
							11	Limbu
							12	Bajjika
							13	Urdu
							14	Rajbanshi
							15	Sherpa
							16	Hindi
							17	Chamling
							18	Santhali
							19	Chepang
							20	Danuwar
							21	Jhangad
							22	Sunuwar
							23	Bangala
							24	Marwadi/Rajasthani
							25	Majhi
							26	Others
INTP	001	31	1		QLN	Interpreter used	1	Yes
							2	No
DDE1YY	001	32	2		QNT	First round date YY		
DDE1MM	001	34	2		QNT	MM		
DDE1DD	001	36	2		QNT	DD		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
DEOP1	001	38	4		QLA	Operator	D001	Data Manager
							D011	Bijay Gautam
							D021	Yam B. Gurung
							D031	Basant Choudhari
							D041	Nagendra P. Yadav
							D051	Roshani Shrestha
							D061	Gajendra Shrestha
							D071	Sangeeta Rai
							D081	Shyam P. Neupane
							D091	Samjhana Bista
							D101	Renu Ghimire
							D111	Bhubaneswor Poudel
							D121	Ashok Neupane
							D131	Jaya Poudel
							D141	Mina Khadka
							D151	Ram B. Thapa
							D161	Yoga Joshi
DSUPYY	001	42	2		QNT	Review date YY		
DSUPMM	001	44	2		QNT	MM		
DSUPDD	001	46	2		QNT	DD		
SUPC	001	48	4		QLA	Supervisor	S011	Prakash Pokharel
							S021	Suresh Khatiwada
							S031	Diwakar Sapkota
							S041	Govind P. Dhungana
							S051	Shiva Hari Dahal
							S061	Suresh M. Bhandari
							S071	Prakash Poudel
							S081	Sunil Shrestha
							S091	Laxmi Regmi
							S101	Tulashi Poudel
							S111	Rudra Bhurtel
							S121	Ana Raj Tiwari
							S131	Aniruddha Upadhyay
							S141	Tulasi Pokharel
							S151	Shiv Lal Sharma
							S161	Liladhar Bhatta
DCORYY	001	52	2		QNT	Correction date YY		
DCORMM	001	54	2		QNT	MM		
DCORDD	001	56	2		QNT	DD		
DEOP2	001	58	4		QLA	Operator		(See variable DEOP1)
VERI	001	62	1		QLN	Verification by supervisor	1	Yes
							2	No

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	002	1	3			SECTION 1, PART A1: HOUSEHOLD ROSTER		Section 01A
WWWHH	002	4	5		QNT	Household Identifier		
WWW	002	4	3		QNT	Primary Sampling Unit		
HH	002	7	2		QNT	Household Number		
IDC	002	9	2		QNT	I D C O D E		
Q01	002	11	24		TYP	1 Name		
Q01A	002	35	3		QLN	D Ethnicity	1	Chhetri
							2	Bramhin Hill
							3	Magar
							4	Tharu
							5	Tamang
							6	Newar
							7	Muslim
							8	Kami
							9	Yadav
							10	Rai
							11	Gurung
							12	Damai/Dholi
							13	Limbu
							14	Thakuri
							15	Sarki
							16	Teli
							17	Chamar/Harijan
							18	Koiri
							19	Kurmi
							20	Sanyashi
							21	Dhanuk
							22	Musahar
							23	Dusadh/Paswan
							24	Sherpa
							25	Sonar
							26	Kewat
							27	Bramhin Terai
							28	Baniya
							29	Bhujel/Gharti
							30	Mallah
							31	Kalwar
							32	Kumal
							33	Thakur/Hazam
							34	Kanu
							35	Rajbanshi
							36	Sunuwar
							37	Sudhi
							38	Lohar
							39	Tatma
							40	Khatwe
							41	Dhobi
							42	Majhi
							43	Nuniya
							44	Kumhar
							45	Danuwar
							46	Chepang/Praja
							47	Haluwai
							48	Rajput
							49	Kayastha

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							50	Badhai
							51	Marwadi
							52	Santhal/satar
							53	Jhangad
							54	Baantar
							55	Barai
							56	Kahar
							57	Gangai
							58	Lodha
							59	Rajbhar
							60	Thami
							61	Dhimal
							62	Bhote
							63	Bing/bida
							64	Bhediyar/gaderi
							65	Nurang
							66	Yakha
							67	Darai
							68	Tajpuriya
							69	Thakali
							70	Chidimar
							71	Pahari
							72	Mali
							73	Bangali
							74	Chhantel
							75	Dom
							76	Kamar
							77	Bote
							78	Baramu/bramhu
							79	Gaine
							80	Jirel
							81	Janjati/aadibashi
							82	Dura
							83	Churoute
							84	Badi
							85	Meche
							86	Lepcha
							87	Halkhor
							88	Panjabi/shikh
							89	Kisan
							90	Raji
							91	Byangsi
							92	Hayu
							93	Koche
							94	Dhuniya
							95	Walung
							96	Jaine
							97	Munda
							98	Raute
							99	Hyalmo
							100	Pattharkatta/kuswadiya
							101	Kusunda
							102	Others
Q02	002	38	1		QLN	2 Sex	1	MALE
							2	FEMALE
Q03	002	39	2		QLN	3 Relationship	1	HEAD
							2	WIFE/HUSBAND
							3	SON/DAUGHTER

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							4	GRANDCHILD
							5	FATHER/MOTHER
							6	SISTER/BROTHER
							7	NIECE/NEPHEW
							8	SON/DAUGHTER-IN-LAW
							9	BROTHER/SISTER-IN-LAW
							10	FATHER/MOTHER-IN-LAW
							11	OTHER RELATIVE
							12	SERVANT/SERVANT'S RELATIVE
							13	TENANT/TENANT'S RELATIVE
							14	OTHER PERSON NOT RELATED
Q04A	002	41	2		QLN	4A District born in	1	URBAN
Q04B	002	43	1		QLN	4B Urban/Rural	1	URBAN
							2	RURAL
Q05	002	44	2		QNI	5 Age		
Q06	002	46	1		QLN	6 Marital status	1	MARRIED
							2	DIVORCED
							3	SEPERATED
							4	WIDOW/WIDOWER
							5	NEVER MARRIED
Q07	002	47	1		QLN	7 Spouse in list?	1	YES
							2	NO
Q08	002	48	2		QNT	8 ID code of spouse		
Q09	002	50	2		QNT	9 Months at home		
Q10	002	52	1		QLN	10 Member or not?	1	YES
							2	NO

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	003	1	3			SECTION 1, PART B: INFORMATION ON PARENTS		Section 01B
WWWHH	003	4	5		QNT	Household Identifier		
WWW	003	4	3		QNT	Primary Sampling Unit		
HH	003	7	2		QNT	Household Number		
IDC	003	9	2		QNT	I D C O D E		
Q01	003	11	1		QLN	1 Father living at home?	1	YES
							2	NO
							3	DECEASED
Q02	003	12	2		QNT	2 ID code of father		
Q03	003	14	2		QLN	3 Level completed	0	Nursery/KG
							1	Class 01
							2	Class 02
							3	Class 03
							4	Class 04
							5	Class 05
							6	Class 06
							7	Class 07
							8	Class 08
							9	Class 09
							10	Class 10
							11	SLC
							12	Intermediate
							13	Bachelor
							14	Master
							15	Prof. degree
							16	Literate,non-formal
							17	Illiterate
Q04A	003	16	2		QLN	4A District born in	1	URBAN
Q04B	003	18	1		QLN	4B Urban/Rural	1	URBAN
							2	RURAL
Q05	003	19	1		QLN	5 Mother living at home?	1	YES
							2	NO
							3	DECEASED
Q06	003	20	2		QNT	6 ID code of mother		
Q07	003	22	2		QLN	7 Level completed		(See variable Q03)
Q08A	003	24	2		QLN	8A District born in	27	Bramhin Terai
Q08B	003	26	1		QLN	8B Urban/Rural		(See variable Q04B)

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	004	1	3			SECTION 1, PART C: ACTIVITIES		Section 01C
WWWHH	004	4	5		QNT	Household Identifier		
WWW	004	4	3		QNT	Primary Sampling Unit		
HH	004	7	2		QNT	Household Number		
ACT	004	9	1		QLA	A C T I V I T Y C O D E	!	!
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							H	H
							I	I
							J	J
							K	K
							L	L
							M	M
							N	N
							O	O
							P	P
							Q	Q
							R	R
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							T	T
							U	U
							V	V
							W	W
							X	X
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IDC	004	10	2		QNT	I D C O D E		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
Q01N	004	12	30		TYP	1 Occupation Description		
Q01C	004	42	3		QLN	NSCO code	11	Armed Forces
							111	Legislators
							112	Government Officials
							114	Officials of Special Interest Organizations
							121	Directors and Chief Executives
							122	Production and Operations Department Managers
							123	Other Department Managers
							131	General Managers/Managing Proprietors
							211	Physicists, Chemists and Related Professionals
							212	Mathematicians, Statisticians and Related Professionals
							213	Computing Professionals
							214	Architects, Engineers and Related Professionals
							221	Life Science Professionals
							222	Health Professionals, Except Nursing
							223	Nursing and Midwifery Professionals
							231	College, University and Higher Education Teaching Professionals
							232	Secondary Education Teaching Professionals
							233	Primary and Pre-Primary Education Teaching Professionals
							234	Special Education Teaching Professionals
							235	Other Teaching Professionals
							241	Business Professionals
							242	Legal Professionals
							243	Archivists, Librarians and Related Information Professionals
							244	Social Science and Related Professionals
							245	Writers and Creative or Performing Artists
							246	Religious Professionals
							311	Physical and Engineering Science Technicians
							312	Computer Associate Professionals
							313	Optical and Electronic Equipment Operators
							314	Aircraft Controllers and Technicians

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							315	Safety and Quality Inspectors
							321	Life Science Technicians and Related Associate Professionals
							322	Modern Health Associate Professional, Except Nursing
							323	Nursing and Midwifery Associate Professionals
							324	Traditional Medicine Practitioners and Faith Healers
							331	Primary Education Teaching Associate Professionals
							332	Pre-Primary Education Teaching Associate Professionals
							333	Special Education Teaching Associate Professionals
							334	Other Teaching Associate Professionals
							341	Finance and Sales Associate Professionals
							342	Business Services Agent and Trade Brokers
							343	Administrative Associate Professionals
							344	Customs, Tax and Related Government Associate Professionals
							345	Police Inspectors and Detectives
							346	Social Work Associate Professionals
							347	Artistic, Entertainment and Soprts Associate Professionals
							348	Religious Associate Professionals
							411	Secretaries and Keyboard-Operating Clerks/Assistants
							412	Numerical Clerks/Office Assistants
							413	Material-Recording and Transport Clerks/Office Assistants
							414	Library, Mail and Related Clerks/Office Assistants
							419	Other Office Clerks/Assistants
							421	Cashiers, Tellers and Related Clerks/Office Assistants
							422	Client Information Clerks/Office Assistants
							511	Travel Attendants and Related Workers

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							512	Housekeeping and Restaurant Services Workers
							513	Personal Care and Related Workers
							514	Other Professional Services Workers
							515	Astrologers, Fortune-Tellers and Related Workers
							516	Protective Service Workers
							521	Fashion and Other Models
							522	Shop Salespersons and Demonstratotrs
							523	Stall and Market Salespersons
							611	Market-Oriented Gardeners and Crop Growers
							612	Market-Oriented Animal Producers and Related Workers
							613	Market-Oriented Crop and Animal Producers
							614	Forestry and Related Workers
							615	Fishery Workers
							621	Subsistence Agricultural and Fishery Workers
							711	Miners, Shoftirers, Stone Cutters and Carvers
							712	Building Frame and Related Trades Workers
							713	Building Finishers and Related Trades Workers
							714	Painters, Building Structure Cleaners and Related Trades Workers
							721	Metal Moulders, Welders, Sheet-Metal Workers, Structural-Metal Preparer
							722	Blacksmiths, Tool-Makers and Related Trades Workers
							723	Machinery Mechanics and Fitters
							724	Electrical and Electronic Equipment Mechanics and Fitters
							731	Precision Workers In Metal and Related Materials
							732	Potters, Glass-Makers and Related Trades Workers
							733	Handicraft Workers In Wood, Textile, Leather and Related Materials
							734	Printing and Related Trades Workers
							741	Food Processing and Related Trades Workers

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							742	Wood Treaters, Cabinet-Makers and Related Traders Workers
							743	Textile, Garment and Related Trades Workers
							744	Pelt, Leather and Shoe Making Trades Workers
							811	Mining and Mineral-Processing Plant Operators
							812	Metal-Processing-Plant Operators
							813	Glass, Ceramics and Relative Plant Operators
							814	Wood-Processing and Papermaking-Plant Operators
							815	Chemical-Processing-Plant Operators
							816	Power-Production and Related Plant Operators
							817	Automated-Assembly-Line and Industrial-Robot Operators
							821	Metal and Mineral Products Machine Operators
							822	Chemical-Products Machine Operators
							823	Rubber and Plastic Products Machine Operators
							824	Wood-Products Machine Operators
							825	Printing, Binding and Paper Products Machine Operators
							826	Textile, Fur and Leather-Products Machine Operators
							827	Food and Related Products Machine Operators
							828	Assemblers
							829	Other Machine Operators and Assemblers
							831	Locomotive-Engine Drivers and Related Workers
							832	Motor Vehicle Drivers
							833	Agricultural and Other Mobile-Plant Operators
							911	Street Vendors and Related Workers
							912	Shoe Cleaning and Other Street Services Elementary Occupations
							913	Domestic and Related Helpers, Cleaners and Launderers
							914	Building Caretakers, Windows and Related Cleaners

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							915	Messengers, Porters, Doorkeepers and Related Workers
							916	Garbage Collectors and Related Labourers
							921	Agricultural, Fishery and Related Labourers
							931	Mining and Construction Labourers
							932	Manufacturing Labourers
							933	Transport Labourers and Freight Handlers
							997	Household Work
							998	Student
							999	Not Working
Q02	004	45	2		QLN	2 Months worked	1	01
							2	02
							3	03
							4	04
							5	05
							6	06
							7	07
							8	08
							9	09
							10	10
							11	11
							12	12
Q03	004	47	2		QNT	3 Days per month		
Q04	004	49	2		QNT	4 Hours per day		
Q05	004	51	1		QLN	5 Days worked in past 7 days	0	0
							1	1
							2	2
							3	3
							4	4
							5	5
							6	6
							7	7
Q06H	004	52	2		QNT	6 Hours per day		
Q06T	004	54	3		QNT	Total hours per week		
Q07	004	57	1		QLN	7 Did this work in this VDC/NP	1	YES
							2	NO
Q08A	004	58	2		QLN	8A District worked in	1	URBAN
Q08B	004	60	1		QLN	8B Region worked in	1	URBAN
							2	RURAL
Q09A	004	61	1		QNT	9 Sector of employment		
Q09B	004	62	1		QNT			
Q09C	004	63	1		QNT			

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks
Q09D	004	64	1		QNT		
Q09E	004	65	1		QNT		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	005	1	3			SECTION 1, PART D: UNEMPLOYMENT		Section 01D
WWWHH	005	4	5		QNT	Household Identifier		
WWW	005	4	3		QNT	Primary Sampling Unit		
HH	005	7	2		QNT	Household Number		
IDC	005	9	2		QNT	I D C O D E		
Q01	005	11	1		QLN	1 Available for work?	1	YES
							2	NO
Q02	005	12	1		QLN	2 Looked for work?	1	YES
							2	NO
Q03	005	13	2		QLN	3 Why not?	1	STUDENT
							2	HOUSEWIFE
							3	TOO OLD
							4	SICK
							5	DISABLEED
							6	ON VACATION
							7	AWAITING REPLY
							8	WAITING TO START
							9	NO WORK AVAILABLE
							10	DON'T KNOW HOW TO LOOK
							11	PREAGNANT/CHILD BIRTH
							12	OTHERS
Q04	005	15	1		QLN	4 Available for work?	1	YES
							2	NO
Q05	005	16	1		QLN	5 Looked for work?	1	YES
							2	NO
Q06	005	17	2		QLN	6 Why not?	1	NO MORE WORK AVAILABLE
							2	LACK of PROPERTY/RAW MATERIAL
							3	MACHINE/ELETRICITY or OTHER ARE NOT WORKING
							4	OFF SEASON
							5	INDUSTRY ON STRIKE
							6	ALREADY HAVE ENOUGH WORK
							7	STUENT/TRAINING WITHOUT SALARY
							8	HOUSEHOLD WORK
							9	SICK
							10	HANDICAPPED
							11	ON VACATION
							12	PREGNANT/DELIVERY
							13	OTHER

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	006	1	3			SECTION 2, PART A: TYPE OF DWELLING		Section 02A
WWWHH	006	4	5		QNT	Household Identifier		
WWW	006	4	3		QNT	Primary Sampling Unit		
HH	006	7	2		QNT	Household Number		
Q01	006	9	1		QLN	1 Occupied only by you?	1	YES
							2	NO
Q02A	006	10	2		QNT	2 TOTAL		
Q02B	006	12	1		QNT	Kitchen		
Q02C	006	13	1		QNT	Toilet/Bathroom		
Q02D	006	14	2		QNT	Bedrooms		
Q02E	006	16	1		QNT	Living/Dining room		
Q02F	006	17	1		QNT	Business		
Q02G	006	18	1		QNT	Mixed use		
Q02H	006	19	1		QNT	Other		
Q03	006	20	1		QLN	3 Kitchen garden?	1	YES
							2	NO
Q04	006	21	1		QLN	4 Main material of walls	1	CEMENT BONDED
							2	MUD BONDED
							3	WOOD/BRANCHES
							4	CONCRETE
							5	UNBAKED BRICKS
							6	OTHER
							7	NO OUTSIDE WALLS
Q05	006	22	1		QLN	5 Main flooring material	1	EARTH
							2	WOOD
							3	STONE-BRICK
							4	CEMENT/TILE
							5	OTHER
Q06	006	23	1		QLN	6 Main material for roof	1	STRAW,THATCH
							2	EARTH/MUD
							3	WOOD/PLANKS
							4	GALVANIZED IRON
							5	CONCRETE/CEMENT
							6	TILE/SLATE
							7	OTHER
Q07	006	24	1		QLN	7 Windows fitted with	1	NO WINDOWS
							2	WITH SHUTTERS
							3	SCREENS/GLASS
							4	OTHER
Q08A	006	25	1		QLN	8 Size of plot UNIT	1	ROPANI
							2	BIGHA
Q08B	006	26	1		QNT	ROPANI/BIGHA		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
Q08C	006	27	2		QNT	ANA/KATHA		
Q08D	006	29	2		QNT	PAISA/DHUR		
Q09	006	31	6		QNT	9 Area of used rooms		
Q10	006	37	1		QLN	10 Year built	1	BEFORE 1996
							2	1996 and LATER

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	007	1	3			SECTION 2, PART B: HOUSING EXPENSES		Section 02B
WWWHH	007	4	5		QNT	Household Identifier		
WWW	007	4	3		QNT	Primary Sampling Unit		
HH	007	7	2		QNT	Household Number		
Q01	007	9	1		QLN	1 Dwelling owned by you?	1	YES
							2	NO
Q02	007	10	9		QNT	2 Sale value Rs.		
Q03	007	19	7		QNT	3 Rental value Rs.		
Q04	007	26	1		QLN	4 Rent part of dwelling?	1	YES
							2	NO
Q05	007	27	7		QNT	5 Rent received Rs.		
Q06	007	34	1		QLN	6 Present occupancy status	1	RENTER
							2	FREE of CHARGE
							3	SQUATTING
							4	OTHER
Q07	007	35	6		QNT	7 Rental value Rs.		
Q08	007	41	6		QNT	8 Rent paid Rs.		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	008	1	3			SECTION 2, PART C: UTILITIES and AMENITIES		Section 02C1
WWWHH	008	4	5		QNT	Household Identifier		
WWW	008	4	3		QNT	Primary Sampling Unit		
HH	008	7	2		QNT	Household Number		
Q01	008	9	1		QLN	1 Source of water	1	PIPED WATER SUPPLY
							2	COVERED WELL/HAND PUMP
							3	OPEN WELL
							4	OTHER WATER SOURCE
Q02	008	10	1		QLN	2 Water piped to house?	1	YES
							2	NO
Q03	008	11	7		QNT	3 Amount paid water (Rs.)		
Q04	008	18	1		QLN	4 Sanitation system	1	UNDERGROUND
							2	OPEN
							3	SOAK PIT
							4	NO
Q05	008	19	1		QLN	5 Garbage disposal	1	GARBAGE TRUCK
							2	PRIVATE COLLECTOR
							3	DUMPED
							4	BURNED/BURIED
							5	FERTILIZER
							6	OTHER
Q06	008	20	7		QNT	6 Amount paid garbage (Rs.)		
Q07	008	27	1		QLN	7 Type of toilet	1	FLUSH - MUNICIPAL
							2	FLUSH - SEPTIC TANK
							3	NON-FLUSH
							4	COMMUNAL LATRINE
							5	NO TOILET

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	009	1	3			SECTION 2. PART C: UTILITIES and		Section 02C2
WWWHH	009	4	5		ONT	Household Identifier		
WWW	009	4	3		ONT	Primary Sampling Unit		
HH	009	7	2		ONT	Household Number		
Q08	009	9	1		QLN	8 Source of light	1	ELECTRICITY
							2	GAS, OIL, KEROSINE
							3	OTHER
Q09	009	10	1		QLN	9 Type of meter	1	JOINT
							2	INDIVIDUAL
							3	NO METER
Q10	009	11	7		QNT	10 Amount paid electri. (Rs.)		
Q11A	009	18	1		QLN	11 Have facilities Telephone	1	YES
							2	NO
Q11B	009	19	1		QLN	Mobile		(See variable Q11A)
Q11C	009	20	1		QLN	Pager		(See variable Q11A)
Q11D	009	21	1		QLN	TV/Cable		(See variable Q11A)
Q11E	009	22	1		QLN	Email		(See variable Q11A)
Q11F	009	23	1		QLN	Internet		(See variable Q11A)
Q12	009	24	7		QNT	12 Amount paid for faciliies (Rs)		
Q13	009	31	1		QLN	13 Fuel used	1	WOOD
							2	COW DUNG
							3	LEAVES ETC.
							4	LP GAS
							5	KEROSINE
							6	BIO-GAS
							7	OTHER
Q14	009	32	1		QLN	14 Stove for cooking	1	OPEN FIREPLACE
							2	MUD
							3	SMOKELESS CHUL0
							4	KEROSENE/GAS
							5	OTHER

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	010	1	3			SECTION 2, PART D: FIREWOOD		Section 02D
WWWHH	010	4	5		QNT	Household Identifier		
WWW	010	4	3		QNT	Primary Sampling Unit		
HH	010	7	2		QNT	Household Number		
Q01	010	9	1		QLN	1 Use any firewood past 12 months	1	YES
							2	NO
Q02	010	10	1		QLN	2 Collect any firewood past 12 months?	1	YES
							2	NO
Q03A	010	11	1		QLN	3 Average amount collected/month Unit :	1	Bhari
							2	Cart
Q03B	010	12	4	1	QNT	Count:		
Q04A	010	16	2		QNT	4 Time to collect Hours:		
Q04B	010	18	2		QNT	Min :		
Q05	010	20	1		QLN	5 Where did you collect fire wood?	1	OWN LAND
							2	COMMUNITY MANAGED FOREST
							3	GOVERNMENT FOREST
							4	OTHER
Q06	010	21	4	1	QNT	6 Price per each bhari/cart		
Q07	010	25	1		QLN	7 Collect fodder past 12 month	1	YES
							2	NO
Q08	010	26	1		QLN	8 Where did you collect fodder?	1	OWN LAND
							2	COMMUNITY MANAGED FOREST
							3	GOVERNMENT FOREST
							4	OTHER

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	011	1	3			SECTION 3: ACCESS TO FACILITIES		Section 03
WWWHH	011	4	5		QNT	Household Identifier		
WWW	011	4	3		QNT	Primary Sampling Unit		
HH	011	7	2		QNT	Household Number		
Q01	011	9	3		QLN	1 CODE OF FACILITY	101	PRIMARY SCHOOL
							102	HEALTH POST
							103	BUS STOP
							104	PAVED ROAD
							105	DIRT ROAD VEHICLE
							106	DIRT ROAD NO VEHICLE
							107	LOCAL SHOP
							108	HAAT BAZAAR
							109	MARKET CENTER
							110	AGRI. CENTRE
							111	COOPERATIVE
							112	BANK
							113	SOURCE of DRINKING WATER
							114	POST OFFICE
							115	TELEPHONE BOOTH
Q02	011	12	1		QLN	2 Mode of transport	1	FOOT WITHOUT LOAD
							2	BICYCLE
							3	MOTORCYCLE
							4	CAR/BUS
							5	MIXED(FOOT/VEHICLE)
							6	NEAR THE HOUSEHOLD
							7	NOT APPLICABLE
Q03A	011	13	2		QNT	3 Time taken Days		
Q03B	011	15	2		QNT	Hours		
Q03C	011	17	2		QNT	Minutes		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	012	1	3			SECTION 4: MIGRATION		Section 04
WWWHH	012	4	5		QNT	Household Identifier		
WWW	012	4	3		QNT	Primary Sampling Unit		
HH	012	7	2		QNT	Household Number		
IDC	012	9	2		QNT	I D C O D E		
Q01	012	11	1		QLN	1 Ever migrated?	1	YES
							2	NO
Q02A	012	12	2		QLN	2 Migrated from District:	1	URBAN
Q02B	012	14	1		QLN	Region:	1	URBAN
							2	RURAL
Q03	012	15	2		QNI	3 Age at migration		
Q04	012	17	1		QLN	4 Work activies then?	1	YES
							2	NO
Q05	012	18	3		QLN	5 Primary activity	1	FAMILY REASON
Q06	012	21	1		QLN	6 Reason for migration	1	FAMILY REASON
							2	EDUCATION/TRAINING
							3	POLITICAL REASON
							4	ESCAPING/NATURAL DISASTER
							5	LOOKING FOR WORK
							6	EASIER LIFESTYLE
							7	OTHERS
Q07	012	22	1		QLN	7 Anybody here before migrated to	1	FAMILY MEMBER/RELATIVES
							2	PEOPLE FROM SOME VDC/NP
							3	NO ONE
Q08	012	23	3		QLN	8 Main work you did	4	CAR/BUS
Q09	012	26	2		QNT	9 Months to find job		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	013	1	3			SECTION 5: FOOD EXPENSES and HOME		Section 05A
WWWHH	013	4	5		ONT	Household Identifier		
WWW	013	4	3		ONT	Primary Sampling Unit		
HH	013	7	2		ONT	Household Number		
ITM	013	9	3		QLN	F O O D C O D E	1	Yes
Q01	013	12	1		QLN	1 Yes/No	1	Yes
							2	No
Q02	013	13	2		QLN	2 No. of months consumed	0	00
							1	01
							2	02
							3	03
							4	04
							5	05
							6	06
							7	07
							8	08
							9	09
							10	10
							11	11
							12	12
Q03A	013	15	8	2	QNT	3 Quantity consumed		
Q03B	013	23	2		QLN	Unit	1	Kilogram
							2	Gram
							3	Maund
							4	Liter
							5	Muri
							6	Pathi
							7	Manna
							8	Kuruwa
							9	Number/piece
							10	Dozen
Q04	013	25	7		QNT	4 Value of item (Rs.)		
Q05	013	32	2		QLN	5 No. of months purchased	0	00
							1	01
							2	02
							3	03
							4	04
							5	05
							6	06
							7	07
							8	08
							9	09
							10	10
							11	11
							12	12
Q06A	013	34	8	2	QNT	6 Quantity purchased		
Q06B	013	42	2		QLN	Unit	1	Kilogram
							2	Gram
							3	Maund
							4	Liter
							5	Muri

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							6	Pathi
							7	Manna
							8	Kuruwa
							9	Number/piece
							10	Dozen
Q07	013	44	7		QNT	7 Amount paid (Rs.)		
Q08	013	51	7		QNT	8 Value: food in-kind (Rs.)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	014	1	3			SECTION 5: FOOD EXPENSES AMD HOME		Section 05B
WWWHH	014	4	5		ONT	Household Identifier		
WWW	014	4	3		ONT	Primary Sampling Unit		
HH	014	7	2		ONT	Household Number		
ITM	014	9	3		QLN	F O O D I T E M	140	TOTAL (011-133)
							150	TOTAL (Estimated)
Q04	014	12	8		QNT	4 Value of home product (Rs.)		
Q07	014	20	8		QNT	7 Amount paid (Rs.)		
Q08	014	28	8		QNT	8 Received in-kind (Rs.)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	015	1	3			SECTION 6: PART A: FREQUENT NON-		Section 06A
WWWHH	015	4	5		ONT	Household Identifier		
WWW	015	4	3		ONT	Primary Sampling Unit		
HH	015	7	2		ONT	Household Number		
ITM	015	9	3		QLN	I T E M C O D E	210	21. FUELS
							211	Wood
							212	Kerosene oil
							213	Coal, charcoal
							214	Cylinder gas
							215	Matches, candles, etc.
							220	22. APPAREL and PERSONAL CARE
							221	Ready-made
							222	Cloth, wool, etc.
							223	Tailoring
							224	Footwear
							225	Toilet soap
							226	Toothpaste, etc.
							227	Other personal care
							228	Dry cleaning and washing
							229	Personal services
							230	23. OTHER FREQUENT EXPENSES
							231	Public transportation
							232	Petrol, etc. for personal vehicle
							233	Entertainment
							234	Newspapers, books, etc.
							235	Pocket money for children
							236	Educational and proff. services
							237	Modern medicines & health services
							238	Traditional medicines & health ...
							239	Wages paid to servants, etc.
							241	Light bulbs, etc.
							242	Household cleaning
							250	TOTAL: (210+220+230)
							260	TOTAL: (Estimated)
Q01	015	12	1		QLN	1 Yes/No	1	Yes
							2	No
Q02	015	13	8		QNT	2 Past 30 days (Rs.)		
Q03	015	21	8		QNT	3 Past 12 months (Rs.)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	016	1	3			SECTION 6: PART B: INFREQUENT NON-		Section 06B
WWWHH	016	4	5		ONT	Household Identifier		
WWW	016	4	3		ONT	Primary Sampling Unit		
HH	016	7	2		ONT	Household Number		
ITM	016	9	3		QLN	I T E M C O D E	310	31. INFREQUENT EXPENSES
							311	Legal and insurance
							312	Income taxes
							313	Repair, etc. for personal vehicle
							314	Mail, telephone, etc.
							315	Excursion holiday
							316	Toys, sport goods
							317	Home repair and maintenance
							318	Repair and service of HHld effects
							319	Home improvement and additions
							320	32. MISCELLANEOUS EXPENSES
							321	Marriages, births, etc.
							322	Dowry and bride price given
							323	Price received from dowry and bride
							324	Funerals, etc.
							325	Religious ceremonies
							326	Charity
							327	Cash losses
							328	Gifts and donations
							410	41. DURABLE GOODS
							411	Crockery, etc.
							412	Kitchen appliances
							413	Pillows, mattresses, etc.
							414	Jewelry
							415	Furniture and fixtures
							416	Electric fans
							417	Heaters
							418	Sewing machine
							419	Iron
							421	TV/VCR
							422	Washing machine
							423	Radio/Recorder etc.
							424	Camera
							425	Bicycle
							426	Motorcycle
							427	Motor car, etc.
							428	Other durable goods
Q01	016	12	1		QLN	1 Yes/No	1	Yes
							2	No
Q02	016	13	8		QNT	2 Money value (Rs.)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	017	1	3			SECTION 6: PART C: INVENTORY OF		Section 06C
WWWHH	017	4	5		ONT	Household Identifier		
WWW	017	4	3		ONT	Primary Sampling Unit		
HH	017	7	2		ONT	Household Number		
ITM	017	9	3		QLN	I T E M C O D E	501	Radio/cassette player
							502	Camera/camcorder
							503	Bicycle
							504	Motorcycle/scooter
							505	Motor car, etc.
							506	Refrigerator/freezer
							507	Washing machine
							508	Fans
							509	Heaters
							510	TV/VCR/VCD
							511	Petromax
							512	Telephone sets/cordless/Mobile etc.
							513	Sewing machine
							514	Furniture and rugs
							515	Kitchen utensils
							516	Jewelry
							517	Computer/Printer
Q01	017	12	1		QLN	1 Yes/No	1	Yes
							2	No
Q02	017	13	2		QNT	2 No. of item		
Q03	017	15	2		QNT	3 Years ago acquired		
Q04	017	17	1		QLN	4 Purchased/gift/dowry	1	Purchased
							2	Gift/payment
							3	Dowry/inheritance
Q05	017	18	8		QNT	5 Worth when acquired (Rs.)		
Q06	017	26	8		QNT	6 Current value (Rs.)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	018	1	3			SECTION 6, PART D: OWN ACCOUNT PRODUCTION		Section 06D
WWWHH	018	4	5		QNT	Household Identifier		
WWW	018	4	3		QNT	Primary Sampling Unit		
HH	018	7	2		QNT	Household Number		
ITM	018	9	3		QLN	I T E M C O D E	600	600 Total
							601	Basket etc.
							602	Mat/Sukul/Broom etc.
							603	Carpet/clothes
							604	Firewood/Dung collection
							605	Furniture and allied wooden materials
							606	Sickle/knife etc.
							607	Tailoring
							608	Shoe making/repairing
							609	Water fetching
							610	Mainor house repair
							611	Biogas
							612	Pickel/Gundruk/Masyaura/Jam etc.
							613	Others
Q01	018	12	1		QLN	1 Yes/No	1	Yes
							2	No
Q02	018	13	5		QNT	2 Price past 30 days (Rs.)		
Q03	018	18	6		QNT	3 Price past 12 months (Rs.)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	019	1	3			SECTION 7, PART A: LITERACY		Section 07A
WWWHH	019	4	5		QNT	Household Identifier		
WWW	019	4	3		QNT	Primary Sampling Unit		
HH	019	7	2		QNT	Household Number		
IDC	019	9	2		QNT	I D C O D E		
Q01	019	11	2		QNT	1 ID code of respondent		
Q02	019	13	1		QLN	2 Can person read a letter?	1	YES
							2	NO
Q03	019	14	1		QLN	3 Can person write a letter?	1	YES
							2	NO
Q04	019	15	1		QLN	4 Where did person learn?	1	SCHOOL
							2	FAMILY
							3	GOVT. LITERACY COURSE
							4	NGO LITERACY COURSE
							5	OTHER
Q05	019	16	1		QLN	5 Educational background	1	NEVER ATTENDED SCHOOL
							2	ATTENDED SCHOOL IN THE PAST
							3	CURRENTLY ATTENDING SCHOOL
Q06	019	17	1		QLN	6 Why didn't attend?	1	SCHOOL NOT PRESENT
							2	TOO EXPENSIVE
							3	TOO FAR AWAY
							4	HAD TO HELP AT HOME
							5	EDUCATION NOT USEFUL
							6	PARENTS DID NOT WANT
							7	NOT WILLING TO ATTEND
							8	DISABLE
							9	OTHER REASONS

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	020	1	3			SECTION 7, PART B: PAST ENROLLMENT		Section 07B
WWWHH	020	4	5		QNT	Household Identifier		
WWW	020	4	3		QNT	Primary Sampling Unit		
HH	020	7	2		QNT	Household Number		
IDC	020	9	2		QNT	I D C O D E		
Q01	020	11	1		QLN	1 Type of school	1	GOVERNMENT/COMMUNITY
							2	PRIVATE/INSTITUTIONAL
							3	TECHNICAL
							4	OTHER
Q02	020	12	2		QLN	2 Highest level completed	0	Nursery/KG
							1	Class 01
							2	Class 02
							3	Class 03
							4	Class 04
							5	Class 05
							6	Class 06
							7	Class 07
							8	Class 08
							9	Class 09
							10	Class 10
							11	SLC
							12	Intermediate
							13	Bachelor
							14	Master
							15	Profesional degree
							16	Literate,non-formal
Q03	020	14	2		QNI	3 Years to complete primary		
Q04	020	16	2		QNI	4 Years to complete SLC		
Q05	020	18	2		QLN	5 Why leave school?	1	FURTHER SCHOOLING NOT AVAILABLE
							2	TOO EXPENSIVE
							3	TOO FAR AWAY
							4	HAD TO HELP AT HOME
							5	PARENTS DID NOT WANT
							6	COMPLETED DESIRED SCHOOLING
							7	MOVED AWAY
							8	POOR ACADEMIC PROGRESS
							9	ENVIRONMENT of SCHOOL NOT GOOD
							10	OTHER REASONS

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	021	1	3			SECTION 7, PART C: CURRENT ENROLLMENT		Section 07C
WWWHH	021	4	5		QNT	Household Identifier		
WWW	021	4	3		QNT	Primary Sampling Unit		
HH	021	7	2		QNT	Household Number		
IDC	021	9	2		QNT	I D C O D E		
Q01	021	11	1		QLN	1 Type of school	1	GOVERNMENT/COMMUNITY
							2	PRIVATE/INSTITUTIONAL
							3	TECHNICAL
							4	OTHER
Q02	021	12	2		QLN	2 Class currently attending	0	Nursery
							1	Class 1
							2	Class 2
							3	Class 3
							4	Class 4
							5	Class 5
							6	Class 6
							7	Class 7
							8	Class 8
							9	Class 9
							10	Class 10
							11	SLC
							12	Intermediate
							13	Bachelor
							14	Master
							15	Profesional degree
Q03	021	14	2		QNT	3 Years to complete primary		
Q04	021	16	2		QNT	4 Years to complete SLC		
Q05	021	18	1		QLN	5 Mode of transport	1	WALK
							2	BUS
							3	CYCLE/RIKSA
							4	MIXED MODE
							5	OTHER
Q06A	021	19	2		QNT	6 Time taken Hrs		
Q06B	021	21	2		QNT	Min		
Q07	021	23	7		QNT	7 Total expenditure/12 months		
Q08	021	30	1		QLN	8 Receive scholarship?	1	YES
							2	NO
Q09	021	31	7		QNT	9 Value of scholarship (Rs)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	022	1	3			SECTION 8, PART A: CHRONIC ILLNESSES		Section 08A
WWWHH	022	4	5		QNT	Household Identifier		
WWW	022	4	3		QNT	Primary Sampling Unit		
HH	022	7	2		QNT	Household Number		
IDC	022	9	2		QNT	I D C O D E		
Q01	022	11	2		QNT	1 ID code of respondent		
Q02	022	13	1		QLN	2 Suffer chronic illness?	1	YES
							2	NO
Q03	022	14	2		QLN	3 Primary chronic illness?	1	HEART CONDITIONS
							2	ARI(Accuti Respiratory Infection)
							3	ASTHMA
							4	EPILEPSY
							5	CANCER
							6	DIABETES
							7	KIDNEY
							8	CIRROSIS of THE LIVER
							9	OCCUPATIONAL ILLNESS
							10	HIGH/LOW BLOOD PRESSURE
							11	DRUG ADDICTS
							12	OTHER
Q04	022	16	2		QNT	4 Years of illness start		
Q05	022	18	7		QNT	5 Amount spent (Rs)		
Q06	022	25	3		QNT	6 Days of work missed		
Q07	022	28	1		QLN	7 Present health status	1	GOOD
							2	FAIR
							3	POOR
							4	VERY POOR

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	023	1	3			SECTION 8, PART B: INJURIES and ILLNESSES		Section 08B1
WWWHH	023	4	5		QNT	Household Identifier		
WWW	023	4	3		QNT	Primary Sampling Unit		
HH	023	7	2		QNT	Household Number		
IDC	023	9	2		QNT	I D C O D E		
Q01A	023	11	2		QNI	1 Last time ill? Year		
Q01B	023	13	2		QNT	Month		
Q01C	023	15	2		QNT	Day		
Q02	023	17	2		QLN	2 Type of illness	1	DIARRHEA
							2	DYSENTERY
							3	RESPIRATORY PROBLEM
							4	MALARIA
							5	OTHER FEVER
							6	SKIN DISEASE
							7	TB
							8	MEASLES
							9	JAUNDICE
							10	PARASITES
							11	INJURY
							12	OTHER
Q03	023	19	1		QLN	3 Anyone consulted?	1	YES
							2	NO
Q04	023	20	2		QLN	4 Where consulted?	1	SHP
							2	HP
							3	PHC
							4	HOSPITAL
							5	MOBILE CLINIC
							6	ARURVEDIC CLINIC
							7	PHARMACY/CLINIC
							8	PRIVATE HOSPITAL
							9	HEALTH WORKER'S HOME
							10	OTHER
Q05	023	22	1		QLN	5 Person consulted	1	DOCTOR, GOVT. HEALTH WORKER
							2	PARAMEDIC, GOVT. HEALTH WORKER
							3	VAIDYA/KABIRAJ, GOVT. HEALTH WORKER
							4	DOCTOR, PRIV. HEALTH WORKER
							5	PARAMEDIC, PRIV. HEALTH WORKER
							6	VAIDYA/KABIRAJ, PRIV. HEALTH WORKER
							7	TRADITIONAL HEALERS
							8	OTHER
Q06A	023	23	6		QNT	6 Cost of consultation TOTAL (Rs)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks
Q06B	023	29	6		QNT	Fee (Rs)	
Q06C	023	35	6		QNT	Medicin (Rs)	
Q06D	023	41	6		QNT	Transpotation(Rs)	

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	024	1	3			SECTION 8. PART B: INJURIES and		Section 08B2
WWWHH	024	4	5		QNT	Household Identifier		
WWW	024	4	3		QNT	Primary Sampling Unit		
HH	024	7	2		QNT	Household Number		
IDC	024	9	2		QNT	I D C O D E		
Q07	024	11	6		QNT	7 Total costs of past 30 days (Rs)		
Q08	024	17	1		QLN	8 Stopped work?	1	YES
							2	NO
Q09	024	18	2		QNT	9 Days of work missed		
Q10	024	20	1		QLN	10 Diarrhea -anything given?	1	YES
							2	NO
Q11	024	21	1		QLN	11 Treatment given	1	ORS(Packed or Home made)
							2	ALLOPATHIC MEDICINE
							3	TRADITIONAL MEDICINE
							4	OTHER
Q12	024	22	1		QLN	12 Place obtained	1	SHP
							2	HP
							3	PHC
							4	HOSPITAL
							5	MOBILE CLINIC/IMMUNIZ. CAMP
							6	HOME MADE
							7	NON GOVERN. INST.
							8	OTHER PRIVATE
Q13	024	23	1		QLN	13 Heard about HIV/AIDS	1	Yes
							2	No
Q14	024	24	1		QLN	14 First media to know about HIV/AIDS	1	RADIO
							2	TELEVISION
							3	NEWS PAPER/POSTER
							4	FRINDS/RELATIVES
							5	HEALTH WORKER
							6	OTHER

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	025	1	3			SECTION 8, PART C: IMMUNIZATIONS		Section 08C
WWWHH	025	4	5		QNT	Household Identifier		
WWW	025	4	3		QNT	Primary Sampling Unit		
HH	025	7	2		QNT	Household Number		
IDC	025	9	2		QNT	I D C O D E		
Q01	025	11	1		QLN	1 Ever been immunized?	1	YES
							2	NO
							3	DO NOT KNOW
Q02	025	12	1		QLN	2 Have immunization card?	1	YES
							2	NO
Q03A	025	13	1		QLN	3 BCG	1	YES
							2	NO
Q03B	025	14	1		QLN	DPT1	1	YES
							2	NO
Q03C	025	15	1		QLN	DPT2	1	YES
							2	NO
Q03D	025	16	1		QLN	DPT3	1	YES
							2	NO
Q03E	025	17	1		QLN	POLIO 1	1	YES
							2	NO
Q03F	025	18	1		QLN	POLIO 2	1	YES
							2	NO
Q03G	025	19	1		QLN	POLIO 3	1	YES
							2	NO
Q03H	025	20	1		QLN	MEASLES	1	YES
							2	NO
Q04	025	21	1		QNT	4 No: of doses		
Q05	025	22	1		QLN	5 Place immunized	1	SHP
							2	HP
							3	PHC
							4	HOSPITAL
							5	OUTREACH CLINIC
							6	OTHER HEALTH INST.

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks
RT	026	1	3			SECTION 09, PART A: MATERNITY HISTORY	Section 09A1
WWWHH	026	4	5		QNT	Household Identifier	
WWW	026	4	3		QNT	Primary Sampling Unit	
HH	026	7	2		QNT	Household Number	
IDC	026	9	2		QNT	I D C O D E	
IDR	026	11	2		QNT	ID CODE OF RESPONDENT	

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	027	1	3			SECTION 09, PART A: MATERNITY HISTORY		Section 09A2
WWWHH	027	4	5		QNT	Household Identifier		
WWW	027	4	3		QNT	Primary Sampling Unit		
HH	027	7	2		QNT	Household Number		
IDC	027	9	2		QNT	I D C O D E (MOTHER)		
BIR	027	11	2		QNT	BIRTH ORDER		
Q01A	027	13	2		QNT	1 When born Month:		
Q01B	027	15	2		QNT	Year:		
Q02	027	17	25		TYP	2 Name of child		
Q03	027	42	1		QLN	3 Sex of child	1	MALE
							2	FEMALE
Q04	027	43	1		QLN	4 Still alive	1	YES
							2	NO
Q05	027	44	1		QLN	5 Live with you?	1	YES
							2	NO
Q06	027	45	2		QNT	6 ID code of child		
Q07A	027	47	2		QNI	7 Lived for Year :		
Q07B	027	49	2		QNT	Month:		
Q07C	027	51	2		QNT	Day :		
Q08	027	53	2		QLN	8 Highest level completed	0	Nursery
							1	Class 1
							2	Class 2
							3	Class 3
							4	Class 4
							5	Class 5
							6	Class 6
							7	Class 7
							8	Class 8
							9	Class 9
							10	Class 10
							11	SLC
							12	Intermediate
							13	Bachelor
							14	Master
							15	Profesional degree
							16	Literate
							17	Illiterate
							99	Never gone to school

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	028	1	3			SECTION 09, PART B: PRE- and POST-NATAL CARE		Section 09B
WWWHH	028	4	5		QNT	Household Identifier		
WWW	028	4	3		QNT	Primary Sampling Unit		
HH	028	7	2		QNT	Household Number		
IDC	028	9	2		QNT	I D C O D E		
Q01	028	11	1		QLN	1 Went for consultation	1	YES
							2	NO
Q02	028	12	2		QLN	2 Where ?	1	SHP
							2	HP
							3	PHC
							4	HOSPITAL
							5	MOBILE CLINIC
							6	AYURVED CENTER
							7	PHARMACY/CLINIC
							8	PRIVATE HOSPITAL
							9	HEALTH WORKER'S HOME
							10	OTHER
Q03	028	14	1		QLN	3 Care provider?	1	DOCTOR
							2	NURSE/ANM/HA/SAHW/AHW
							3	MCHW/VHW
							4	TBA
							5	OTHER
Q04	028	15	1		QNT	4 At what month		
Q05	028	16	1		QLN	5 Given tetanus injection	1	YES
							2	NO
Q06	028	17	1		QLN	6 How many times	1	ONCE
							2	TWICE
							3	MORE THAN 2
Q07	028	18	1		QLN	7 Where given birth	1	HOME
							2	SHP
							3	HP
							4	PHC
							5	HOSPITAL
							6	PRIVATE HOSPITAL
							7	OTHER
Q08	028	19	1		QLN	8 Who assisted	1	FAMILIY MEMBER/RELATIVE
							2	NEIGHBOURS
							3	TBA
							4	MCHW/CHW
							5	HA/SAHW/AHW
							6	NURSE/DOCTOR
							7	OTHER
							8	NO ONE
Q09	028	20	1		QLN	9 Post-natal checkup	1	YES
							2	NO

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks
Q10	028	21	2		QLN	10 Where ?	(See variable Q02)
Q11	028	23	1		QLN	11 Care provider?	(See variable Q03)

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	029	1	3			SECTION 09, PART C: FAMILY PLANNING		Section 09C
WWWHH	029	4	5		QNT	Household Identifier		
WWW	029	4	3		QNT	Primary Sampling Unit		
HH	029	7	2		QNT	Household Number		
IDC	029	9	2		QNT	I D C O D E		
Q01	029	11	2		QNT	1 Age at marriage		
Q02	029	13	1		QLN	2 Know any method	1	YES
							2	NO
Q03	029	14	1		QLN	3 Medium to learn	1	RADIO
							2	TELEVISION
							3	NEWS PAPER/POSTER
							4	FRINDS/RELATIVES
							5	HEALTH WORKER
							6	HUSBAND
							7	OTHER
Q04	029	15	1		QLN	4 Ever used	1	YES
							2	NO
Q05	029	16	1		QLN	5 Currently using	1	YES
							2	NO
Q06	029	17	1		QLN	6 Which method	1	CONDOM
							2	OTHER TEMPORARY
							3	VASECTOMI
							4	LAPROSCOPIC
							5	TRADITIONAL
Q07	029	18	1		QLN	7 Where obtained	1	PUBLIC HEALTH ORGANISATION
							2	PRIVATE HEALTH ORGANISATION
							3	PHARMACY
							4	VSC CAMP
							5	HEALTH WORKER
							6	OTHER
Q08	029	19	1		QLN	8 Why not	1	NOT AVAILABLE
							2	TOO EXPENSIVE
							3	SPOUSE AWAY
							4	WANT MORE CHILDREN
							5	RELIGIOUS REASONS
							6	BAD SIDE EFFECTS
							7	SPOUSE DOES NOT WANT
							8	OTHER
Q09	029	20	1		QLN	9 Health worker visit	1	YES
							2	NO
Q10T	029	21	2		QNI	10 Child like to have Total:		
Q10B	029	23	1		QNT	Boys :		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks
Q10G	029	24	1		QNT	Girls:	

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	030	1	3			SECTION 10. PART A: WAGE		Section 10A1
WWWHH	030	4	5		ONT	Household Identifier		
WWW	030	4	3		ONT	Primary Sampling Unit		
HH	030	7	2		ONT	Household Number		
ACT	030	9	1		QLA	A C T I V I T Y C O D E	!	!
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IDC	030	10	2		QNT	ID code of person		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
Q01A	030	12	30		TYP	1 Activity Description		
Q01B	030	42	3		QLN	NSCO	11	Armed Forces
							111	Legislators
							112	Government Officials
							114	Officials of Special Interest Organizations
							121	Directors and Chief Executives
							122	Production and Operations Department Managers
							123	Other Department Managers
							131	General Managers/Managing Proprietors
							211	Physicists, Chemists and Related Professionals
							212	Mathematicians, Statisticians and Related Professionals
							213	Computing Professionals
							214	Architects, Engineers and Related Professionals
							221	Life Science Professionals
							222	Health Professionals, Except Nursing
							223	Nursing and Midwifery Professionals
							231	College, University and Higher Education Teaching Professionals
							232	Secondary Education Teaching Professionals
							233	Primary and Pre-Primary Education Teaching Professionals
							234	Special Education Teaching Professionals
							235	Other Teaching Professionals
							241	Business Professionals
							242	Legal Professionals
							243	Archivists, Librarians and Related Information Professionals
							244	Social Science and Related Professionals
							245	Writers and Creative or Performing Artists
							246	Religious Professionals
							311	Physical and Engineering Science Technicians
							312	Computer Associate Professionals
							313	Optical and Electronic Equipment Operators
							314	Aircraft Controllers and Technicians

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							315	Safety and Quality Inspectors
							321	Life Science Technicians and Related Associate Professionals
							322	Modern Health Associate Professional, Except Nursing
							323	Nursing and Midwifery Associate Professionals
							324	Traditional Medicine Practitioners and Faith Healers
							331	Primary Education Teaching Associate Professionals
							332	Pre-Primary Education Teaching Associate Professionals
							333	Special Education Teaching Associate Professionals
							334	Other Teaching Associate Professionals
							341	Finance and Sales Associate Professionals
							342	Business Services Agent and Trade Brokers
							343	Administrative Associate Professionals
							344	Customs, Tax and Related Government Associate Professionals
							345	Police Inspectors and Detectives
							346	Social Work Associate Professionals
							347	Artistic, Entertainment and Soprts Associate Professionals
							348	Religious Associate Professionals
							411	Secretaries and Keyboard-Operating Clerks/Assistants
							412	Numerical Clerks/Office Assistants
							413	Material-Recording and Transport Clerks/Office Assistants
							414	Library, Mail and Related Clerks/Office Assistants
							419	Other Office Clerks/Assistants
							421	Cashiers, Tellers and Related Clerks/Office Assistants
							422	Client Information Clerks/Office Assistants
							511	Travel Attendants and Related Workers

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							512	Housekeeping and Restaurant Services Workers
							513	Personal Care and Related Workers
							514	Other Professional Services Workers
							515	Astrologers, Fortune-Tellers and Related Workers
							516	Protective Service Workers
							521	Fashion and Other Models
							522	Shop Salespersons and Demonstratotrs
							523	Stall and Market Salespersons
							611	Market-Oriented Gardeners and Crop Growers
							612	Market-Oriented Animal Producers and Related Workers
							613	Market-Oriented Crop and Animal Producers
							614	Forestry and Related Workers
							615	Fishery Workers
							621	Subsistence Agricultural and Fishery Workers
							711	Miners, Shoftirers, Stone Cutters and Carvers
							712	Building Frame and Related Trades Workers
							713	Building Finishers and Related Trades Workers
							714	Painters, Building Structure Cleaners and Related Trades Workers
							721	Metal Moulders, Welders, Sheet-Metal Workers, Structural-Metal Preparer
							722	Blacksmiths, Tool-Makers and Related Trades Workers
							723	Machinery Mechanics and Fitters
							724	Electrical and Electronic Equipment Mechanics and Fitters
							731	Precision Workers In Metal and Related Materials
							732	Potters, Glass-Makers and Related Trades Workers
							733	Handicraft Workers In Wood, Textile, Leather and Related Materials
							734	Printing and Related Trades Workers
							741	Food Processing and Related Trades Workers

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							742	Wood Treaters, Cabinet-Makers and Related Traders Workers
							743	Textile, Garment and Related Trades Workers
							744	Pelt, Leather and Shoe Making Trades Workers
							811	Mining and Mineral-Processing Plant Operators
							812	Metal-Processing-Plant Operators
							813	Glass, Ceramics and Relative Plant Operators
							814	Wood-Processing and Papermaking-Plant Operators
							815	Chemical-Processing-Plant Operators
							816	Power-Production and Related Plant Operators
							817	Automated-Assembly-Line and Industrial-Robot Operators
							821	Metal and Mineral Products Machine Operators
							822	Chemical-Products Machine Operators
							823	Rubber and Plastic Products Machine Operators
							824	Wood-Products Machine Operators
							825	Printing, Binding and Paper Products Machine Operators
							826	Textile, Fur and Leather-Products Machine Operators
							827	Food and Related Products Machine Operators
							828	Assemblers
							829	Other Machine Operators and Assemblers
							831	Locomotive-Engine Drivers and Related Workers
							832	Motor Vehicle Drivers
							833	Agricultural and Other Mobile-Plant Operators
							911	Street Vendors and Related Workers
							912	Shoe Cleaning and Other Street Services Elementary Occupations
							913	Domestic and Related Helpers, Cleaners and Launderers
							914	Building Caretakers, Windows and Related Cleaners

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							915	Messengers, Porters, Doorkeepers and Related Workers
							916	Garbage Collectors and Related Labourers
							921	Agricultural, Fishery and Related Labourers
							931	Mining and Construction Labourers
							932	Manufacturing Labourers
							933	Transport Labourers and Freight Handlers
							997	Household Work
							998	Student
							999	Not Working
Q02	030	45	1		QLN	2 Basis of payment receive	1	Daily basis
							2	Long term basis
							3	Contract/Piece-rate
Q03	030	46	4		QNT	3 Cash per day (Rs.)		
Q04A	030	50	1		QLN	4 In-kind payment First	1	PADDY/RICE
							2	WHEAT
							3	MAIZE
							4	MEALS
							5	CLOTHING
							6	OTHER
							7	NOTHING
Q04B	030	51	1		QLN	Second	1	PADDY/RICE
							2	WHEAT
							3	MAIZE
							4	MEALS
							5	CLOTHING
							6	OTHER
							7	NOTHING
Q05A	030	52	4		QNT	5 Value of in kind Rs./Day		
Q05B	030	56	6		QNT	Rs./Total		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	031	1	3			SECTION 10. PART A: WAGE		Section 10A2
WWWHH	031	4	5		ONT	Household Identifier		
WWW	031	4	3		ONT	Primary Sampling Unit		
HH	031	7	2		ONT	Household Number		
ACT	031	9	1		QLA	A C T I V I T Y C O D E	!	!
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Q06	031	10	7		QNT	6 Cash payment past 12 months (Rs.)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
Q07A	031	17	1		QLN	7 In-kind payment First	1	PADDY/RICE
							2	WHEAT
							3	MAIZE
							4	MEALS
							5	CLOTHING
							6	OTHER
							7	NOTHING
Q07B	031	18	1		QLN	Second	1	PADDY/RICE
							2	WHEAT
							3	MAIZE
							4	MEALS
							5	CLOTHING
							6	OTHER
							7	NOTHING
Q08A	031	19	4		QNT	8 In-kind payments per day		
Q08B	031	23	7		QNT	Total		
Q09	031	30	1		QLN	9 Took a loan from employer?	1	YES
							2	NO
Q10	031	31	1		QLN	10 Other member work together	1	YES
							2	NO
Q11	031	32	1		QLN	11 Share-crop land with employer?	1	YES
							2	NO
Q12	031	33	1		QLN	12 Tend livestock for employer?	1	YES
							2	NO
Q13	031	34	7		QNT	13 Received in contract (Rs.)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	032	1	3			SECTION 10, PART B: OUTSIDE AGRICUTURE		Section 10B1
WWWHH	032	4	5		QNT	Household Identifier		
WWW	032	4	3		QNT	Primary Sampling Unit		
HH	032	7	2		QNT	Household Number		
ACT	032	9	1		QLA	A C T I V I T Y C O D E	!	!
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Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
IDC	032	10	2		QNT	ID code of person		
Q01A	032	12	30		TYP	1 Activity Description		
Q01B	032	42	3		QLN	NSCO	11	Armed Forces
							111	Legislators
							112	Government Officials
							114	Officials of Special Interest Organizations
							121	Directors and Chief Executives
							122	Production and Operations Department Managers
							123	Other Department Managers
							131	General Managers/Managing Proprietors
							211	Physicists, Chemists and Related Professionals
							212	Mathematicians, Statisticians and Related Professionals
							213	Computing Professionals
							214	Architects, Engineers and Related Professionals
							221	Life Science Professionals
							222	Health Professionals, Except Nursing
							223	Nursing and Midwifery Professionals
							231	College, University and Higher Education Teaching Professionals
							232	Secondary Education Teaching Professionals
							233	Primary and Pre-Primary Education Teaching Professionals
							234	Special Education Teaching Professionals
							235	Other Teaching Professionals
							241	Business Professionals
							242	Legal Professionals
							243	Archivists, Librarians and Related Information Professionals
							244	Social Science and Related Professionals
							245	Writers and Creative or Performing Artists
							246	Religious Professionals
							311	Physical and Engineering Science Technicians
							312	Computer Associate Professionals
							313	Optical and Electronic Equipment Operators

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							314	Aircraft Controllers and Technicians
							315	Safety and Quality Inspectors
							321	Life Science Technicians and Related Associate Professionals
							322	Modern Health Associate Professional, Except Nursing
							323	Nursing and Midwifery Associate Professionals
							324	Traditional Medicine Practitioners and Faith Healers
							331	Primary Education Teaching Associate Professionals
							332	Pre-Primary Education Teaching Associate Professionals
							333	Special Education Teaching Associate Professionals
							334	Other Teaching Associate Professionals
							341	Finance and Sales Associate Professionals
							342	Business Services Agent and Trade Brokers
							343	Administrative Associate Professionals
							344	Customs, Tax and Related Government Associate Professionals
							345	Police Inspectors and Detectives
							346	Social Work Associate Professionals
							347	Artistic, Entertainment and Soprts Associate Professionals
							348	Religious Associate Professionals
							411	Secretaries and Keyboard-Operating Clerks/Assistants
							412	Numerical Clerks/Office Assistants
							413	Material-Recording and Transport Clerks/Office Assistants
							414	Library, Mail and Related Clerks/Office Assistants
							419	Other Office Clerks/Assistants
							421	Cashiers, Tellers and Related Clerks/Office Assistants
							422	Client Information Clerks/Office Assistants

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							511	Travel Attendants and Related Workers
							512	Housekeeping and Restaurant Services Workers
							513	Personal Care and Related Workers
							514	Other Professional Services Workers
							515	Astrologers, Fortune-Tellers and Related Workers
							516	Protective Service Workers
							521	Fashion and Other Models
							522	Shop Salespersons and Demonstratotrs
							523	Stall and Market Salespersons
							611	Market-Oriented Gardeners and Crop Growers
							612	Market-Oriented Animal Producers and Related Workers
							613	Market-Oriented Crop and Animal Producers
							614	Forestry and Related Workers
							615	Fishery Workers
							621	Subsistence Agricultural and Fishery Workers
							711	Miners, Shoftirers, Stone Cutters and Carvers
							712	Building Frame and Related Trades Workers
							713	Building Finishers and Related Trades Workers
							714	Painters, Building Structure Cleaners and Related Trades Workers
							721	Metal Moulders, Welders, Sheet-Metal Workers, Structural-Metal Preparer
							722	Blacksmiths, Tool-Makers and Related Trades Workers
							723	Machinery Mechanics and Fitters
							724	Electrical and Electronic Equipment Mechanics and Fitters
							731	Precision Workers In Metal and Related Materials
							732	Potters, Glass-Makers and Related Trades Workers
							733	Handicraft Workers In Wood, Textile, Leather and Related Materials
							734	Printing and Related Trades Workers
							741	Food Processing and Related Trades Workers

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							742	Wood Treaters, Cabinet-Makers and Related Traders Workers
							743	Textile, Garment and Related Trades Workers
							744	Pelt, Leather and Shoe Making Trades Workers
							811	Mining and Mineral-Processing Plant Operators
							812	Metal-Processing-Plant Operators
							813	Glass, Ceramics and Relative Plant Operators
							814	Wood-Processing and Papermaking-Plant Operators
							815	Chemical-Processing-Plant Operators
							816	Power-Production and Related Plant Operators
							817	Automated-Assembly-Line and Industrial-Robot Operators
							821	Metal and Mineral Products Machine Operators
							822	Chemical-Products Machine Operators
							823	Rubber and Plastic Products Machine Operators
							824	Wood-Products Machine Operators
							825	Printing, Binding and Paper Products Machine Operators
							826	Textile, Fur and Leather-Products Machine Operators
							827	Food and Related Products Machine Operators
							828	Assemblers
							829	Other Machine Operators and Assemblers
							831	Locomotive-Engine Drivers and Related Workers
							832	Motor Vehicle Drivers
							833	Agricultural and Other Mobile-Plant Operators
							911	Street Vendors and Related Workers
							912	Shoe Cleaning and Other Street Services Elementary Occupations
							913	Domestic and Related Helpers, Cleaners and Launderers
							914	Building Caretakers, Windows and Related Cleaners

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							915	Messengers, Porters, Doorkeepers and Related Workers
							916	Garbage Collectors and Related Labourers
							921	Agricultural, Fishery and Related Labourers
							931	Mining and Construction Labourers
							932	Manufacturing Labourers
							933	Transport Labourers and Freight Handlers
							997	Household Work
							998	Student
							999	Not Working
Q02A	032	45	30		TYP	2 Industry Description		
Q02B	032	75	2		QLN	NSIC	1	Agriculture and Related Service Activities
							2	Forestry, Logging and Related Service Activities
							5	Fishing, Operation of Fish Hatcheries and Fish Farms; Service Activities Incidental To Fishing
							10	Mining of Coal and Lignite; Extraction of Peat
							11	Extraction of Crude Petrolium and Natural Gas; Service Activities Incidental To Oil and Gas Extraction Excluding Surveying
							12	Mining of Uranium and Thorium Ores
							13	Mining of Metal Ores
							14	Other Mining and Quarrying
							15	Manufacture of Food Products and Beverages
							16	Manufacture of Tobacco Products
							17	Manufacture of Textiles
							18	Manufacture of Wearing Apprel; Dressing and Dyeing of Fur
							19	Tanning and Dressing of Leather; Manufacture of Luggage, Handbags, Saddlery and Harness
							20	Manufacture of Wood and of Products of Wood and Cork, Except Furniture; Manufacture of Articles of Straw and Plaiting Materials
							21	Manufacture of Paper and Paper Products
							22	Publishing, Printing and Reproduction of Recorded Media

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							23	Manufacture of Coke, Refined Petrolium Products and Nuclear Fuel
							24	Manufacture of Chemicals and Chemical Products
							25	Manufacture of Rubber and Plasics Products
							26	Manufacture of Other Non-Metalic Minaral Products
							27	Manufacture of Basic Metals
							28	Manufacture of Fabricated Metal Products, Except Machinery and Equipment
							29	Manufacture of Machinery and Equipment N.E.C.
							30	Manufacture of Office, Accounting and Computing Machinery
							31	Manufacture of Electrical Machinery and Apparatus N.E.C.
							32	Manufacture of Radio, Tv and Communication Equipment and Apparatus
							33	Manufacture of Medical, Precision and Optical Instruments, Watches and Clocks
							34	Manufacture of Motor Vehicles; Trailers and Semi-Trailers
							35	Manufacture of Other Transport Equipment
							36	Manufacture of Furniture; Manufacturing N.E.C.
							37	Recycling
							40	Electricity and Gas Supply
							41	Collections, Purification and Distribution of Water
							45	Construction
							50	Sale, Maintenance and Repair of Motor Vehicles and Motorcycles; Retail Sale of Automotive Fuel
							51	Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles
							52	Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Personal and Household Goods
							55	Hotels and Restaurants
							60	Land Transport
							61	Water Transport
							62	Air Transport

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							63	Supporting and Auxiliary Transport Activities; Activities of Travel Agencies
							64	Post and Telecommunications
							65	Financial Intermediation, Except Insurance and Pension Funding
							66	Insurance and Pension Funding, Except Compulsory Social Security
							67	Activities Auxiliary To Financial Intermediation
							70	Real Estate Activities
							71	Renting of Machinery and Equipment Without Operator and of Personal and Household Goods
							72	Computer and Related Activities
							73	Researches and Development
							74	Other Business Activities
							75	Public Administration and Defence; Compulsory Social Security
							80	Education
							85	Healths and Social Work
							90	Sewage and Refuse Disposal, Sanitation and Similar Activities
							91	Activities of Membership Organizations N.E.C.
							92	Recreational, Cultural and Sporting Activities
							93	Other Service Activities
							95	Private Households With Employed Persons
							99	Extra-Territorial Organization and Bodies
Q03	032	77	1		QLN	3 Basis of payment receive	1	Daily basis
							2	Long term basis
							3	Contract/Piece-rate
Q04	032	78	4		QNT	4 Cash per day (Rs.)		
Q05A	032	82	1		QLN	5 In-kind payment First	1	PADDY/RICE
							2	WHEAT
							3	MAIZE
							4	MEALS
							5	CLOTHING
							6	OTHER
							7	NOTHING
Q05B	032	83	1		QLN	Second	1	PADDY/RICE
							2	WHEAT
							3	MAIZE

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							4	MEALS
							5	CLOTHING
							6	OTHER
							7	NOTHING
Q06A	032	84	4		QNT	6 Value of in kind Rs./Day		
Q06B	032	88	7		QNT	Rs./Total		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	033	1	3			SECTION 10. PART B: OUTSIDE		Section 10B2
WWWHH	033	4	5		ONT	Household Identifier		
WWW	033	4	3		ONT	Primary Sampling Unit		
HH	033	7	2		ONT	Household Number		
ACT	033	9	1		QLA	A C T I V I T Y C O D E	!	!
							#	#
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							A	A
							B	B
							C	C
							D	D
							E	E
							F	F
							G	G
							H	H
							I	I
							J	J
							K	K
							L	L
							M	M
							N	N
							O	O
							P	P
							Q	Q
							R	R
							S	S
							T	T
							U	U
							V	V
							W	W
							X	X
							Y	Y
							Z	Z
							[	[
							]	]
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							{	{
							}	}
Q07A	033	10	7		QNT	7 Amount (Rs.) A: Salary		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
Q07B	033	17	7		QNT	B: Transport		
Q07C	033	24	7		QNT	C: Bonuses		
Q07D	033	31	7		QNT	D: Clothing		
Q07E	033	38	7		QNT	E: Other		
Q08	033	45	1		QLN	8 Taxes deducted	1	YES
							2	NO
Q09	033	46	1		QLN	9 Providend fund	1	YES
							2	NO
Q10	033	47	1		QLN	10 Receive pension	1	YES
							2	NO
Q11	033	48	1		QLN	11 Subsidized medical care	1	YES
							2	NO
Q12	033	49	1		QLN	12 Total workers	1	1
							2	2-9
							3	10 or more
Q13	033	50	7		QNT	13 Amount received (Rs):		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	034	1	3			SECTION 11. PART A1: LANDHOLDING -		Section 11A1A
WWWHH	034	4	5		ONT	Household Identifier		
WWW	034	4	3		ONT	Primary Sampling Unit		
HH	034	7	2		ONT	Household Number		
RID	034	9	2		QNT	RESPONDENT ID CODE		
Q01	034	11	1		QLN	1 Own any agricultural land	1	YES
							2	NO

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	035	1	3			SECTION 11. PART A1: LANDHOLDING -		Section 11A1B
WWWHH	035	4	5		ONT	Household Identifier		
WWW	035	4	3		ONT	Primary Sampling Unit		
HH	035	7	2		ONT	Household Number		
PNO	035	9	2		QNT	P L O T N U M B E R		
Q03A	035	11	3		QNT	3 Area: Ropani/Bigha		
Q03B	035	14	2		QNT	Aana /Katha		
Q03C	035	16	2		QNT	Paisa /Dhur		
Q03D	035	18	1		QLN	Unit:	1	ROPANI
							2	BIGHA
Q04	035	19	2		QLN	4 District plot located	1	PAKHO/BARI
Q05	035	21	1		QLN	5 Type of land	1	PAKHO/BARI
							2	KHET
Q06	035	22	1		QLN	6 Plot Irrigated?	1	Yes
							2	No
Q07	035	23	1		QLN	7 Frequency	1	SEASONAL
							2	YEAR ROUND
Q08	035	24	1		QLN	8 Mode of irrigation	1	TUBEWELL
							2	CANAL
							3	POND/TANK
							4	OTHER NATURAL
							5	MIXED
Q09	035	25	8		QNT	9 Value of this plot (Rs.)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	036	1	3			SECTION 11. PART A1: LANDHOLDING -		Section 11A1C
WWWHH	036	4	5		ONT	Household Identifier		
WWW	036	4	3		ONT	Primary Sampling Unit		
HH	036	7	2		ONT	Household Number		
PNO	036	9	2		QNT	P L O T N U M B E R		
Q10	036	11	1		QLN	10 DRY SEASON Use of plot	1	CROPPED YOURSELF
							2	SHARECROPPED OUT
							3	FIXED REND OUT
							4	MORTGAGED OUT
							5	LEFT FALLOW
							6	OTHER
Q11C	036	12	7		QNT	11 DRY SEASON Cash		
Q11K	036	19	7		QNT	In-kind		
Q12A	036	26	2		QLN	12 DRY SEASON Crop 1	1	Early paddy
							2	Main paddy
							3	Upland paddy
							4	Wheat
							5	Spring/winter maize
							6	Summer maize
							7	Millet
							8	Barley
							9	Buckwheat
							10	Other cereals
							11	Soyabeans
							12	Black gram
							13	Red gram
							14	Grass pea
							15	Lentil
							16	Gram
							17	Pea
							18	Green gram
							19	Coarse gram
							20	Cow pea
							21	Other legumes
							22	Winter potato
							23	Summer potato
							24	Sweet potato
							25	Colocasia
							26	Other tubers
							27	Mustard
							28	Ground nut
							29	Linseed
							30	Sesame
							31	Other oilseeds
							32	Sugar cane
							33	Jute
							34	Tobacco
							35	Other
							36	Chillies
							37	Onions
							38	Garlic
							39	Ginger
							40	Turmeric
							41	Cardamum
							42	Coriander seed

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							43	Other spices
							44	Winter vegetables
							45	Summer vegetables
							46	Orange
							47	Lemon
							48	Lime
							49	Sweet lime
							50	Other citrus
							51	Mango
							52	Banana
							53	Guava
							54	Jack fruit
							55	Pineapple
							56	Lichee
							57	Pear
							58	Apple
							59	Plum
							60	Papaya
							61	Pomegranate
							62	Other fruit
							63	Tea
							64	Thatch
							65	Fodder trees
							66	Bamboo
							67	Other trees
Q12B	036	28	2		QLN	Crop 2		(See variable Q12A)
Q12C	036	30	2		QLN	Crop 3		(See variable Q12A)
Q12D	036	32	2		QLN	Crop 4		(See variable Q12A)
Q13	036	34	1		QLN	13 WET SEASON Use of plot	1	CROPPED YOURSELF
							2	SHARECROPPED OUT
							3	FIXED REND OUT
							4	MORTGAGED OUT
							5	LEFT FALLOW
							6	OTHER
Q14C	036	35	7		QNT	14 WET SEASON Cash		
Q14K	036	42	7		QNT	In-kind		
Q15A	036	49	2		QLN	15 WET SEASON Crop 1		(See variable Q12A)
Q15B	036	51	2		QLN	Crop 2		(See variable Q12A)
Q15C	036	53	2		QLN	Crop 3		(See variable Q12A)
Q15D	036	55	2		QLN	Crop 4		(See variable Q12A)

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	037	1	3			SECTION 11. PART A2: LANDHOLDING -		Section 11A2A
WWWHH	037	4	5		ONT	Household Identifier		
WWW	037	4	3		ONT	Primary Sampling Unit		
HH	037	7	2		ONT	Household Number		
Q01	037	9	1		QLN	1 Sharecrop any land	1	YES
							2	NO

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	038	1	3			SECTION 11. PART A2: LANDHOLDING -		Section 11A2B
WWWHH	038	4	5		ONT	Household Identifier		
WWW	038	4	3		ONT	Primary Sampling Unit		
HH	038	7	2		ONT	Household Number		
PNO	038	9	2		QNT	P L O T N U M B E R		
Q03	038	11	1		QLN	3 Contractual arrangement	1	SHARECROPPED
							2	RENTED-IN
							3	MORTGAGED-IN
							4	OTHER
Q04	038	12	7		QNT	4 Rent paid (Cash only)		
Q05A	038	19	3		QNT	5 Area: Ropani/Bigha		
Q05B	038	22	2		QNT	Aana /Katha		
Q05C	038	24	2		QNT	Paisa /Dhur		
Q05D	038	26	1		QLN	Unit:	1	ROPANI
							2	BIGHA
Q06	038	27	1		QLN	6 Type of land	1	PAKHO/BARI
							2	KHET

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	039	1	3			SECTION 11. PART A2: LANDHOLDING -		Section 11A2C
WWWHH	039	4	5		ONT	Household Identifier		
WWW	039	4	3		ONT	Primary Sampling Unit		
HH	039	7	2		ONT	Household Number		
PNO	039	9	2		QNT	P L O T N U M B E R		
Q07	039	11	1		QLN	7 Water source	1	IRRIGATED
							2	RAINFED
Q08	039	12	1		QLN	8 Frequency	1	SEASONAL
							2	YEAR ROUND
Q09	039	13	1		QLN	9 Mode of irrigation	1	TUBEWELL
							2	CANAL
							3	POND/TANK
							4	OTHER NATURAL
							5	MIXED
Q10A	039	14	2		QLN	10 DRY SEASON Crop 1	1	Early paddy
							2	Main paddy
							3	Upland paddy
							4	Wheat
							5	Spring/winter maize
							6	Summer maize
							7	Millet
							8	Barley
							9	Buckwheat
							10	Other cereals
							11	Soyabeans
							12	Black gram
							13	Red gram
							14	Grass pea
							15	Lentil
							16	Gram
							17	Pea
							18	Green gram
							19	Coarse gram
							20	Cow pea
							21	Other legumes
							22	Winter potato
							23	Summer potato
							24	Sweet potato
							25	Colocasia
							26	Other tubers
							27	Mustard
							28	Ground nut
							29	Linseed
							30	Sesame
							31	Other oilseeds
							32	Sugar cane
							33	Jute
							34	Tobacco
							35	Other
							36	Chillies
							37	Onions
							38	Garlic
							39	Ginger
							40	Turmeric
							41	Cardamum

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							42	Coriander seed
							43	Other spices
							44	Winter vegetables
							45	Summer vegetables
							46	Orange
							47	Lemon
							48	Lime
							49	Sweet lime
							50	Other citrus
							51	Mango
							52	Banana
							53	Guava
							54	Jack fruit
							55	Pineapple
							56	Lichee
							57	Pear
							58	Apple
							59	Plum
							60	Papaya
							61	Pomegranate
							62	Other fruit
							63	Tea
							64	Thatch
							65	Fodder trees
							66	Bamboo
							67	Other trees
Q10B	039	16	2		QLN	Crop 2		(See variable Q10A)
Q10C	039	18	2		QLN	Crop 3		(See variable Q10A)
Q10D	039	20	2		QLN	Crop 4		(See variable Q10A)
Q11A	039	22	2		QLN	11 WET SEASON Crop 1		(See variable Q10A)
Q11B	039	24	2		QLN	Crop 2		(See variable Q10A)
Q11C	039	26	2		QLN	Crop 3		(See variable Q10A)
Q11D	039	28	2		QLN	Crop 4		(See variable Q10A)

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	040	1	3			SECTION 11. PART A3: LANDHOLDING -		Section 11A3
WWWHH	040	4	5		ONT	Household Identifier		
WWW	040	4	3		ONT	Primary Sampling Unit		
HH	040	7	2		ONT	Household Number		
Q01	040	9	1		QLN	1 Sell any land	1	YES
							2	NO
Q02A	040	10	3		QNT	2 Area sold: Ropani/Bigha		
Q02B	040	13	2		QNT	Anna /Katha		
Q02C	040	15	2		QNT	Paisa /Dhur		
Q02D	040	17	1		QLN	Unit:	1	ROPANI
							2	BIGHA
Q03	040	18	8		QNT	3 Amount received (Rs)		
Q04	040	26	1		QLN	4 Buy any land	1	YES
							2	NO
Q05A	040	27	3		QNT	5 Area bought: Ropani/Bigha		
Q05B	040	30	2		QNT	Anna /Katha		
Q05C	040	32	2		QNT	Paisa /Dhur		
Q05D	040	34	1		QLN	Unit:	1	ROPANI
							2	BIGHA
Q06	040	35	8		QNT	6 Amount paid (Rs)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	041	1	3			SECTION 11. PART B: PRODUCTION and		Section 11B1
WWWHH	041	4	5		ONT	Household Identifier		
WWW	041	4	3		ONT	Primary Sampling Unit		
HH	041	7	2		ONT	Household Number		
CCD	041	9	2		QLN	C R O P C O D E	1	YES
Q02	041	11	1		QLN	2 Used improved seed?	1	YES
							2	NO
Q03A	041	12	2		QLN	3A Unit used	1	Kilograms
							2	Grams
							3	Maunds
							4	Liters
							5	Muri
							6	Pathi
							7	Manna
							8	Kuruwa
							9	Number/peices
							10	Dozen
Q03B	041	14	8	2	QNT	B Total harvest		
Q03C	041	22	8	2	QNT	C Given to landlord		
Q03D	041	30	8	2	QNT	D Amount sold/to be sold		
Q04A	041	38	2		QLN	4A Unit used	1	Kilograms
							2	Grams
							3	Maunds
							4	Liters
							5	Muri
							6	Pathi
							7	Manna
							8	Kuruwa
							9	Number/peices
							10	Dozen
Q04B	041	40	8	2	QNT	B Amount actually sold		
Q04C	041	48	8	2	QNT	C Price per unit (Rs)		
Q04D	041	56	7		QNT	D Total sales (Rs)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks
RT	042	1	3			SECTION 11. PART B: PRODUCTION and	Section 11B2
WWWHH	042	4	5		ONT	Household Identifier	
WWW	042	4	3		ONT	Primary Sampling Unit	
HH	042	7	2		ONT	Household Number	
TCS	042	9	8		QNT	99 Total crop sales (Rs.)	

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	043	1	3			SECTION 11C1: SEEDS and YOUNG PLANTS		Section 11C1A
WWWHH	043	4	5		QNT	Household Identifier		
WWW	043	4	3		QNT	Primary Sampling Unit		
HH	043	7	2		QNT	Household Number		
Q01	043	9	1		QLN	1 Did you purchase or receive	1	YES
							2	NO

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	044	1	3			SECTION 11C1: SEEDS and YOUNG PLANTS		Section 11C1B
WWWHH	044	4	5		QNT	Household Identifier		
WWW	044	4	3		QNT	Primary Sampling Unit		
HH	044	7	2		QNT	Household Number		
Q02	044	9	2		QLN	2 Crop code	1	Early paddy
							2	Main paddy
							3	Upland paddy
							4	Wheat
							5	Spring/winter maize
							6	Summer maize
							7	Millet
							8	Barley
							9	Buckwheat
							10	Other cereals
							11	Soyabeans
							12	Black gram
							13	Red gram
							14	Grass pea
							15	Lentil
							16	Gram
							17	Pea
							18	Green gram
							19	Coarse gram
							20	Cow pea
							21	Other legumes
							22	Winter potato
							23	Summer potato
							24	Sweet potato
							25	Colocasia
							26	Other tubers
							27	Mustard
							28	Ground nut
							29	Linseed
							30	Sesame
							31	Other oilseeds
							32	Sugar cane
							33	Jute
							34	Tobacco
							35	Other
							36	Chillies
							37	Onions
							38	Garlic
							39	Ginger
							40	Turmeric
							41	Cardamum
							42	Coriander seed
							43	Other spices
							44	Winter vegetables
							45	Summer vegetables
							46	Orange
							47	Lemon
							48	Lime
							49	Sweet lime
							50	Other citrus
							51	Mango
							52	Banana
							53	Guava

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							54	Jack fruit
							55	Pineapple
							56	Lichee
							57	Pear
							58	Apple
							59	Plum
							60	Papaya
							61	Pomegranate
							62	Other fruit
							63	Tea
							64	Thatch
							65	Fodder trees
							66	Bamboo
							67	Other trees
							98	TRANSPORTATION COSTS
							99	TOTAL EXPENDITURE
Q03A	044	11	1		QLN	3 Where did you obtain them A:	1	AGRI DEVE OFFICE
							2	SEED SELLING COMPANY/SAJHA SANTHAN
							3	OTHER FARMERS
							4	PRIVATE DEALER/SHOPS
							5	INDIA
							6	LANDLORD
							7	OTHER
Q03B	044	12	1		QLN	B:		(See variable Q03A)
Q04	044	13	7		QNT	4 Amount spent (Rs)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	045	1	3			SECTION 11C2: FERTILIZERS and INSECTICIDES		Section 11C2A
WWWHH	045	4	5		QNT	Household Identifier		
WWW	045	4	3		QNT	Primary Sampling Unit		
HH	045	7	2		QNT	Household Number		
Q01	045	9	1		QLN	1 Did you purchase any chemical	1	YES
							2	NO

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	046	1	3			SECTION 11C2: FERTILIZERS and INSECTICIDES		Section 11C2B
WWWHH	046	4	5		QNT	Household Identifier		
WWW	046	4	3		QNT	Primary Sampling Unit		
HH	046	7	2		QNT	Household Number		
Q02	046	9	2		QLN	2 Type of fertilizer	1	UREA
							2	COMPLEX
							3	DAP
							4	OTHER FERTILIZER
							5	INSECTICIDE
							6	TOTAL TRANSPORTATION COSTS
							99	TOTAL EXPENDITURE
Q03A	046	11	2		QLN	3 Crops on which used A	1	Early paddy
							2	Main paddy
							3	Upland paddy
							4	Wheat
							5	Spring/winter maize
							6	Summer maize
							7	Millet
							8	Barley
							9	Buckwheat
							10	Other cereals
							11	Soyabeans
							12	Black gram
							13	Red gram
							14	Grass pea
							15	Lentil
							16	Gram
							17	Pea
							18	Green gram
							19	Coarse gram
							20	Cow pea
							21	Other legumes
							22	Winter potato
							23	Summer potato
							24	Sweet potato
							25	Colocasia
							26	Other tubers
							27	Mustard
							28	Ground nut
							29	Linseed
							30	Sesame
							31	Other oilseeds
							32	Sugar cane
							33	Jute
							34	Tobacco
							35	Other
							36	Chillies
							37	Onions
							38	Garlic
							39	Ginger
							40	Turmeric
							41	Cardamum
							42	Coriander seed
							43	Other spices

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							44	Winter vegetables
							45	Summer vegetables
							46	Orange
							47	Lemon
							48	Lime
							49	Sweet lime
							50	Other citrus
							51	Mango
							52	Banana
							53	Guava
							54	Jack fruit
							55	Pineapple
							56	Lichee
							57	Pear
							58	Apple
							59	Plum
							60	Papaya
							61	Pomegranate
							62	Other fruit
							63	Tea
							64	Thatch
							65	Fodder trees
							66	Bamboo
							67	Other trees
Q03B	046	13	2		QLN	B		(See variable Q03A)
Q03C	046	15	2		QLN	C		(See variable Q03A)
Q04A	046	17	5		QNT	4 Amount purchased (Kg)		
Q04B	046	22	7		QNT	(Rs)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	047	1	3			SECTION 11C2: FERTILIZERS and INSECTICIDES		Section 11C2C
WWWHH	047	4	5		QNT	Household Identifier		
WWW	047	4	3		QNT	Primary Sampling Unit		
HH	047	7	2		QNT	Household Number		
Q05	047	9	1		QLN	5 Got all you needed?	1	YES
							2	NO
Q06	047	10	1		QLN	6 Why not?	1	NOT AVAILABLE FOR PURCHASE
							2	NOT ENOUGH MONEY
							3	OTHER

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	048	1	3			SECTION 11C3: EXPENDITURES ON HIRING LABOR		Section 11C3A
WWWHH	048	4	5		QNT	Household Identifier		
WWW	048	4	3		QNT	Primary Sampling Unit		
HH	048	7	2		QNT	Household Number		
Q01	048	9	1		QLN	1 Hire any casual farm workers?	1	YES
							2	NO

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	049	1	3			SECTION 11C3: EXPENDITURES ON HIRING LABOR		Section 11C3B
WWWHH	049	4	5		QNT	Household Identifier		
WWW	049	4	3		QNT	Primary Sampling Unit		
HH	049	7	2		QNT	Household Number		
Q02	049	9	2		QLN	2 Labor category (S.N.)	1	01
							2	02
							3	03
							4	04
							5	05
							6	06
							7	07
							8	08
							9	09
							10	10
							11	11
							12	12
							13	13
							14	14
							15	15
							16	EXCHANGE LABOR
Q03	049	11	1		QLN	3 Paid on daily basis/piece rate basis ?	1	Paid on daily basis
							2	Hired on piece rate basis
Q04M	049	12	4		QNT	4 Total man-days Male		
Q04F	049	16	4		QNT	Female		
Q05M	049	20	4		QNT	5 Cash paid Male Rs/day/worker		
Q05F	049	24	4		QNT	Female Rs/day/worker		
Q06M	049	28	4		QNT	6 In-kind rate Male Rs/day/worker		
Q06F	049	32	4		QNT	Female Rs/day/worker		
Q07M	049	36	4		QNT	7 Total rate Male (5+6) Rs/day		
Q07F	049	40	4		QNT	Female (5+6) Rs/day		
Q08M	049	44	7		QNT	8 Total exp. Male (4x7) Rs		
Q08F	049	51	7		QNT	Female (4x7) Rs		
Q08T	049	58	7		QNT	Total (4x7) Rs		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	050	1	3			SECTION 11C3: EXPENDITURES ON HIRING LABOR		Section 11C3C
WWWHH	050	4	5		QNT	Household Identifier		
WWW	050	4	3		QNT	Primary Sampling Unit		
HH	050	7	2		QNT	Household Number		
Q09	050	9	7		QNT	9 SUB-TOTAL - HIRING CASUAL WORKERS		
Q10	050	16	1		QLN	10 Hired any permanent farm worker ?	1 2	YES NO
Q11	050	17	3		QNT	11 No. of permanent workers ?		
Q12	050	20	7		QNT	12 Pay (CASH + INKIND) to permanent worker		
Q13	050	27	7		QNT	13 TOTAL EXPENDITURE ON HIRING LABOR		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks
RT	051	1	3			SECTION 11. PART D: EARNINGS FROM	Section 11D
WWWHH	051	4	5		ONT	Household Identifier	
WWW	051	4	3		ONT	Primary Sampling Unit	
HH	051	7	2		ONT	Household Number	
Q01	051	9	7		QNT	1 Crop sales	
Q02	051	16	7		QNT	2 By-products sale	
Q03	051	23	7		QNT	3 Draft animals	
Q04	051	30	7		QNT	4 Tractor	
Q05	051	37	7		QNT	5 Thresher	
Q06	051	44	7		QNT	6 Other machinery	
Q07	051	51	7		QNT	7 Other income	
Q08	051	58	8		QNT	8 TOTAL REVENUES	
Q09	051	66	7		QNT	9 Seeds	
Q10	051	73	7		QNT	10 Fertilizer	
Q11	051	80	7		QNT	11 Hiring labor	
Q12	051	87	7		QNT	12 Irrigation	
Q13	051	94	7		QNT	13 Transportation	
Q14	051	101	7		QNT	14 Sacks,twine,container etc	
Q15	051	108	7		QNT	15 Storage	
Q16	051	115	7		QNT	16 Land improvements	
Q17	051	122	7		QNT	17 Repair,maintenance of equ.	
Q18	051	129	7		QNT	18 Draft animals	
Q19	051	136	7		QNT	19 Tractor	
Q20	051	143	7		QNT	20 Thresher	
Q21	051	150	7		QNT	21 Other machinery	
Q22	051	157	7		QNT	22 Other expenses	
Q23	051	164	8		QNT	23 TOTAL EXPENDITURES	

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	052	1	3			SECTION 11, PART E1: LIVESTOCK OWNERSHIP		Section 11E1A
WWWHH	052	4	5		QNT	Household Identifier		
WWW	052	4	3		QNT	Primary Sampling Unit		
HH	052	7	2		QNT	Household Number		
Q01	052	9	1		QLN	1 Owned any livestock?	1	YES
							2	NO

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	053	1	3			SECTION 11, PART E1: LIVESTOCK OWNERSHIP		Section 11E1B
WWWHH	053	4	5		QNT	Household Identifier		
WWW	053	4	3		QNT	Primary Sampling Unit		
HH	053	7	2		QNT	Household Number		
LVST	053	9	2		QLN	L I V E S T O C K C O D E	1	COWS
							2	BUFFALOES
							3	GOATS
							4	SHEEP
							5	YAKS
							6	PIGS
							7	DONKEYS/MULES
							8	POULTRY
							9	OTHER LIVESTOCK
							10	TOTAL
Q02	053	11	1		QLN	2 Yes/No	1	Yes
							2	No
Q03A	053	12	4		QNT	3 Owned now No.		
Q03B	053	16	7		QNT	Rs		
Q04A	053	23	4		QNT	4 Owned 12 months ago No.		
Q04B	053	27	7		QNT	Rs		
Q05A	053	34	4		QNT	5 Sold past 12 months No.		
Q05B	053	38	7		QNT	Rs		
Q06A	053	45	4		QNT	6 Bought past 12 mo No.		
Q06B	053	49	7		QNT	Rs		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks
RT	054	1	3			SECTION 11. PART E2: EARNINGS FROM	Section 11E2
WWWHH	054	4	5		ONT	Household Identifier	
WWW	054	4	3		ONT	Primary Sampling Unit	
HH	054	7	2		ONT	Household Number	
Q01	054	9	7		QNT	1 Milk	
Q02	054	16	7		QNT	2 Ghee	
Q03	054	23	7		QNT	3 Eggs	
Q04	054	30	7		QNT	4 Curd	
Q05	054	37	7		QNT	5 Meat	
Q06	054	44	7		QNT	6 Animal hides	
Q07	054	51	7		QNT	7 Other income	
Q08	054	58	8		QNT	8 TOTAL REVENUES	
Q09	054	66	7		QNT	9 Fodder	
Q10	054	73	7		QNT	10 Transport of animal feed	
Q11	054	80	7		QNT	11 Veterinary, etc.	
Q12	054	87	7		QNT	12 Other expenditures	
Q13	054	94	8		QNT	13 TOTAL EXPENDITURES	

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	055	1	3			SECTION 11. PART F: OWNERSHIP OF		Section 11F1
WWWHH	055	4	5		ONT	Household Identifier		
WWW	055	4	3		ONT	Primary Sampling Unit		
HH	055	7	2		ONT	Household Number		
Q01	055	9	1		QLN	1 Owned any equipment?	1	YES
							2	NO

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	056	1	3			SECTION 11. PART F: OWNERSHIP OF		Section 11F2
WWWHH	056	4	5		ONT	Household Identifier		
WWW	056	4	3		ONT	Primary Sampling Unit		
HH	056	7	2		ONT	Household Number		
EQIP	056	9	2		QLN	E Q U I P M E N T CODE	1	Tractor
							2	Plough
							3	Cart
							4	Thresher
							5	Trolley
							6	Water pump
							7	Generator
							8	Grain bin
							9	Other
							10	Total
Q02	056	11	1		QLN	2 Yes/No	1	Yes
							2	No
Q03	056	12	3		QNT	3 Number own		
Q04	056	15	8		QNT	4 Selling value (Rs)		
Q05	056	23	3		QNI	5 Number sold		
Q06	056	26	8		QNT	6 Amount received (Rs)		
Q07	056	34	3		QNI	7 Number bought		
Q08	056	37	8		QNT	8 Amount paid (Rs)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	057	1	3			SECTION 11F: FARMING ASSETS and		Section 11F3
WWWHH	057	4	5		ONT	Household Identifier		
WWW	057	4	3		ONT	Primary Sampling Unit		
HH	057	7	2		ONT	Household Number		
Q09	057	9	1		QLN	9 Taken advice from GOVERMNENT agri. technician?	1	Yes
							2	No
Q10	057	10	1		QLN	10 Reason	1	Service too far
							2	Poor service
							3	No need
							4	Others
Q11	057	11	1		QLN	11 Taken advice from GOVERNMENT veterinary tech.?	1	Yes
							2	No
Q12	057	12	1		QLN	12 Reason	1	Service too far
							2	Poor service
							3	No need
							4	Others

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	058	1	3			SECTION 12, PART A: GENERAL CHARACTERISTICS		Section 12A1
WWWHH	058	4	5		QNT	Household Identifier		
WWW	058	4	3		QNT	Primary Sampling Unit		
HH	058	7	2		QNT	Household Number		
ASE	058	9	1		QLN	Any self-employment activity?	1	YES
							2	NO

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	059	1	3			SECTION 12, PART A: GENERAL CHARACTERISTICS		Section 12A2
WWWHH	059	4	5		QNT	Household Identifier		
WWW	059	4	3		QNT	Primary Sampling Unit		
HH	059	7	2		QNT	Household Number		
ENT	059	9	2		QNT	E N T E R P R I S E		
Q01A	059	11	25		TYP	1 Description of enterprise		
Q01B	059	36	25		TYP	Industry Description		
Q01C	059	61	2		QLN	NSIC	1	Agriculture and Related Service Activities
							2	Forestry, Logging and Related Service Activities
							5	Fishing, Operation of Fish Hatcheries and Fish Farms; Service Activities Incidental To Fishing
							10	Mining of Coal and Lignite; Extraction of Peat
							11	Extraction of Crude Petrolium and Natural Gas; Service Activities Incidental To Oil and Gas Extraction Excluding Surveying
							12	Mining of Uranium and Thorium Ores
							13	Mining of Metal Ores
							14	Other Mining and Quarrying
							15	Manufacture of Food Products and Beverages
							16	Manufacture of Tobacco Products
							17	Manufacture of Textiles
							18	Manufacture of Wearing Apprel; Dressing and Dyeing of Fur
							19	Tanning and Dressing of Leather; Manufacture of Luggage, Handbags, Saddlery and Harness
							20	Manufacture of Wood and of Products of Wood and Cork, Except Furniture; Manufacture of Articles of Straw and Plaiting Materials
							21	Manufacture of Paper and Paper Products
							22	Publishing, Printing and Reproduction of Recorded Media
							23	Manufacture of Coke, Refined Petrolium Products and Nuclear Fuel
							24	Manufacture of Chemicals and Chemical Products

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							25	Manufacture of Rubber and Plasics Products
							26	Manufacture of Other Non-Metalic Minaral Products
							27	Manufacture of Basic Metals
							28	Manufacture of Fabricated Metal Products, Except Machinery and Equipment
							29	Manufacture of Machinery and Equipment N.E.C.
							30	Manufacture of Office, Accounting and Computing Machinery
							31	Manufacture of Electrical Machinery and Apparatus N.E.C.
							32	Manufacture of Radio, Tv and Communication Equipment and Apparatus
							33	Manufacture of Medical, Precision and Optical Instruments, Watches and Clocks
							34	Manufacture of Motor Vehicles; Trailers and Semi-Trailers
							35	Manufacture of Other Transport Equipment
							36	Manufacture of Furniture; Manufacturing N.E.C.
							37	Recycling
							40	Electricity and Gas Supply
							41	Collections, Purification and Distribution of Water
							45	Construction
							50	Sale, Maintenance and Repair of Motor Vehicles and Motorcycles; Retail Sale of Automotive Fuel
							51	Wholesale Trade and Commission Trade, Except of Motor Vehicles and Motorcycles
							52	Retail Trade, Except of Motor Vehicles and Motorcycles; Repair of Personal and Household Goods
							55	Hotels and Restaurants
							60	Land Transport
							61	Water Transport
							62	Air Transport
							63	Supporting and Auxiliary Transport Activities; Activities of Travel Agencies
							64	Post and Telecommunications

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							65	Financial Intermediation, Except Insurance and Pension Funding
							66	Insurance and Pension Funding, Except Compulsory Social Security
							67	Activities Auxiliary To Financial Intermediation
							70	Real Estate Activities
							71	Renting of Machinery and Equipment Without Operator and of Personal and Household Goods
							72	Computer and Related Activities
							73	Researches and Development
							74	Other Business Activities
							75	Public Administration and Defence; Compulsory Social Security
							80	Education
							85	Healths and Social Work
							90	Sewage and Refuse Disposal, Sanitation and Similar Activities
							91	Activities of Membership Organizations N.E.C.
							92	Recreational, Cultural and Sporting Activities
							93	Other Service Activities
							95	Private Households With Employed Persons
							99	Extra-Territorial Organization and Bodies
Q02A	059	63	2		QNT	2 ID codes A:		
Q02B	059	65	2		QNT	B:		
Q02C	059	67	2		QNT	C:		
Q02D	059	69	2		QNT	D:		
Q02E	059	71	2		QNT	E:		
Q03	059	73	2		QNT	3 Respondent ID code		
Q04A	059	75	2		QNT	4 Operating since Years		
Q04B	059	77	2		QNT	Months		
Q05	059	79	1		QLN	5 Place operated	1	OWN HOME
							2	OTHER FIXED PLACE
							3	OTHER VARIABLE
Q06	059	80	2		QNT	6 Months operating		
Q07	059	82	1		QLN	7 Owned by	1	HOUSEHOLD ONLY

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							2	SHARED
Q08	059	83	3		QNT	8 Profit (in %)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	060	1	3			SECTION 12. PART A: GENERAL		Section 12A3
WWWHH	060	4	5		ONT	Household Identifier		
WWW	060	4	3		ONT	Primary Sampling Unit		
HH	060	7	2		ONT	Household Number		
ENT	060	9	2		QNT	E N T E R P R I S E		
Q09A	060	11	2		QLN	9 Customers A: First	1	OTHER HOUSEHOLDS
							2	SMALL ENTERPRISES
							3	LARGE ENTERPRISES
							4	GOVT INSTITUTIONS
							5	LOCAL TRADERS
							6	EXPORETRS/FOREIGNERS
							7	CONTRACTORS
							8	TOURISTS
							9	NGOs/INGOs
							10	OTHERS
Q09B	060	13	2		QLN	B: Second		(See variable Q09A)
Q10	060	15	1		QLN	10 Registered	1	YES
							2	NO
Q11	060	16	2		QLN	11 Source of capital	1	DIDN'T NEED
							2	OWN SAVINGS
							3	RELATIVES/FRIENDS
							4	AGRI DEVT BANK
							5	COMMERCIAL BANK
							6	GRAMIN DEVT BANK
							7	OTHER FINANCIAL INST.
							8	LOCAL GROUP (DHUKUTI)
							9	NGOs
							10	OWN PROPERTY
							11	OTHER
Q12	060	18	1		QLN	12 Tried to borrow	1	YES, SUCCESSFULLY
							2	YES, UNSUCCESSFULLY
							3	NO
Q13	060	19	1		QLN	13 Borrowed from	1	RELATIVES/FRIENDS
							2	AGRI DEV BANK
							3	COMMERTIAL BANK
							4	GRAMEEN DEVT BANK
							5	OTHER FINANCIAL INST.
							6	LOCAL GROUP (DHUKUTI)
							7	NGOs or RELIEF AGENCY
							8	OTHER
Q14	060	20	1		QLN	14 Hired anyone	1	YES
							2	NO
Q15	060	21	4		QNT	15 No. of workers		
Q16	060	25	2		QLN	16 Any problems	1	NO MAJOR PROBLEM
							2	CAPITAL or CREDIT
							3	LACK of KNOW-HOW
							4	POWER or WATER

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							5	EQUIPMENT/SPARE PARTS
							6	LABOUR
							7	GOVT REGULATIONS
							8	RAW MATERIALS
							9	LACK of CUSTOMERS
							10	TRANSPORT
							11	OTHER

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks
RT	061	1	3			SECTION 12, PART B: INCOME FROM ENTERPRISES	Section 12B
WWWHH	061	4	5		QNT	Household Identifier	
WWW	061	4	3		QNT	Primary Sampling Unit	
HH	061	7	2		QNT	Household Number	
ENT	061	9	2		QNT	E N T E R P R I S E	
Q02	061	11	9		QNT	2 Gross revenues (Rs.)	
Q03	061	20	8		QNT	3 Exp. on wages (Rs.)	
Q04	061	28	8		QNT	4 Exp. in fuel, elect, etc.(Rs.)	
Q05A	061	36	8		QNT	5 Raw materials: Purchased (Rs.)	
Q05B	061	44	8		QNT	Home produced (Rs.)	
Q06	061	52	8		QNT	6 Other operating exp. (Rs.)	
Q07	061	60	9		QNT	7 Net revenues (Rs.)	
Q08	061	69	8		QNT	8 Exp. on capital goods (Rs.)	
Q09	061	77	8		QNT	9 Sale of capital goods (Rs.)	
Q10	061	85	9		QNT	10 Value of enterprise (Rs.)	
Q11	061	94	9		QNT	11 Value one year ago (Rs.)	

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	062	1	3			SECTION 13, PART A: BORROWING		Section 13A1
WWWHH	062	4	5		QNT	Household Identifier		
WWW	062	4	3		QNT	Primary Sampling Unit		
HH	062	7	2		QNT	Household Number		
Q01	062	9	1		QLN	1 Loan	1	Yes
							2	No

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	063	1	3			SECTION 13, PART A: BORROWING		Section 13A2
WWWHH	063	4	5		QNT	Household Identifier		
WWW	063	4	3		QNT	Primary Sampling Unit		
HH	063	7	2		QNT	Household Number		
LNO	063	9	2		QNT	L O A N N U M B E R		
Q03	063	11	2		QNT	3 ID code of borrower		
Q04A	063	13	2		QNT	4 Loan obtained: Month		
Q04B	063	15	2		QNT	Year		
Q05	063	17	1		QLN	5 Place obtained	1	Relatives/friends
							2	Agri. dev. bank
							3	Commercial bank
							4	Grameen devt bank
							5	Other fin. institution
							6	NGO or relief agency
							7	Landlord/employer
							8	Shopkeeper/money lender
							9	Others
Q06	063	18	2		QLN	6 Purpose	1	Inputs
							2	Equipment
							3	Land
							4	Animals
							5	Building improvements
							6	Other business/farm
							7	HHld Consumption
							8	Dwelling
							9	Marriage etc.
							10	Durable goods
							11	Other personal
Q07	063	20	8		QNT	7 Amount borrowed (Rs)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	064	1	3			SECTION 13, PART A: BORROWING (cont)		Section 13A3
WWWHH	064	4	5		QNT	Household Identifier		
WWW	064	4	3		QNT	Primary Sampling Unit		
HH	064	7	2		QNT	Household Number		
LNO	064	9	2		QNT	L O A N N U M B E R		
Q08A	064	11	7		QNT	8 Amount of interest		
Q08B	064	18	3		QNT	Rate (%)		
Q09A	064	21	2		QNT	9 Repayment time Month		
Q09B	064	23	2		QNT	Year		
Q10	064	25	1		QLN	10 Finished repaying loan	1	Yes, fully
							2	Yes, partly
							3	No
Q11	064	26	8		QNT	11 Amount repaid		
Q12	064	34	1		QLN	12 Collateral	1	Agri. land
							2	Building
							3	Gold/silver
							4	Property documents
							5	Personal guarantee
							6	Past record
							7	Other
							8	No collateral
Q13	064	35	3		QNT	13 Days taken		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	065	1	3			SECTION 13, PART B: LENDING		Section 13B1
WWWHH	065	4	5		QNT	Household Identifier		
WWW	065	4	3		QNT	Primary Sampling Unit		
HH	065	7	2		QNT	Household Number		
Q01	065	9	1		QLN	1 Lend money	1	Yes
							2	No

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	066	1	3			SECTION 13, PART B: LENDING		Section 13B2
WWWHH	066	4	5		QNT	Household Identifier		
WWW	066	4	3		QNT	Primary Sampling Unit		
HH	066	7	2		QNT	Household Number		
LNO	066	9	2		QNT	L O A N N U M B E R		
Q03	066	11	2		QNT	3 ID code of lender		
Q04A	066	13	2		QNT	4 Loan given : Month		
Q04B	066	15	2		QNT	Year		
Q05	066	17	1		QLN	5 Relationship to lender	1	Employeee/tenant farmer
							2	Business customer
							3	Other business associate
							4	Friend/neighbour
							5	Relative
							6	Other
Q06	066	18	2		QLN	6 Purpose	1	Inputs
							2	Equipment
							3	Land
							4	Animals
							5	Building improvements
							6	Other business/farm
							7	HHld consumption
							8	Dwelling
							9	Marriage etc.
							10	Durable goods
							11	Other personal
Q07	066	20	8		QNT	7 Amount lent (Rs)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	067	1	3			SECTION 13, PART B: LENDING		Section 13B3
WWWHH	067	4	5		QNT	Household Identifier		
WWW	067	4	3		QNT	Primary Sampling Unit		
HH	067	7	2		QNT	Household Number		
LNO	067	9	2		QNT	L O A N N U M B E R		
Q08A	067	11	7		QNT	8 Amount of interest		
Q08B	067	18	3		QNT	Rate (%)		
Q09A	067	21	2		QNT	9 Repayment time Month		
Q09B	067	23	2		QNT	Year		
Q10	067	25	1		QLN	10 Finished repaying loan	1	Yes, fully
							2	Yes, partly
							3	No
Q11	067	26	8		QNT	11 Amount repaid		
Q12	067	34	1		QLN	12 Collateral	1	Agri. land
							2	Building
							3	Gold/silver
							4	Property documents
							5	Personal guarantee
							6	Past record
							7	Other
							8	No collateral

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	068	1	3			SECTION 13, PART C: OTHER ASSETS		Section 13C
WWWHH	068	4	5		QNT	Household Identifier		
WWW	068	4	3		QNT	Primary Sampling Unit		
HH	068	7	2		QNT	Household Number		
Q01	068	9	1		QLN	1 Own other land or property?	1 2	YES NO
Q02	068	10	8		QNT	2 Value of other property (Rs)		
Q03	068	18	8		QNT	3 Value a year ago (Rs)		
Q04	068	26	8		QNT	4 Value of assets purchased (Rs)		
Q05	068	34	8		QNT	5 Value of sold assets (Rs)		
Q06	068	42	8		QNT	6 Rent received 12 months (Rs)		
Q07	068	50	1		QLN	7 Own other assets?	1 2	YES NO
Q08	068	51	8		QNT	8 Value of other assets (Rs)		
Q09	068	59	8		QNT	9 Value a year ago (Rs)		
Q10	068	67	8		QNT	10 Value of assets purchased (Rs)		
Q11	068	75	8		QNT	11 Value of sold assets (Rs)		
Q12	068	83	8		QNT	12 Rent received 12 months (Rs)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	069	1	3			SECTION 14, PART A: REMITTANCES SENT		Section 14A1
WWWHH	069	4	5		QNT	Household Identifier		
WWW	069	4	3		QNT	Primary Sampling Unit		
HH	069	7	2		QNT	Household Number		
Q01	069	9	1		QLN	1 Send anything?	1	YES
							2	NO

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	070	1	3			SECTION 14, PART A: REMITTANCES SENT		Section 14A2
WWWHH	070	4	5		QNT	Household Identifier		
WWW	070	4	3		QNT	Primary Sampling Unit		
HH	070	7	2		QNT	Household Number		
LNO	070	9	2		QNT	L I N E N U M B E R		
IDR	070	11	2		QNT	ID Code of respondent		
Q02	070	13	25		TYP	2 Name of RECIPIENT		
Q03	070	38	2		QNT	3 ID Code of donor		
Q04	070	40	2		QLN	4 Rel. of RECIPIENT to donor	2	WIFE/HUSBAND
							3	SON/DAUGHTER
							4	GRANDCHILD
							5	FATHER/MOTHER
							6	SISTER/BROTHER
							7	NIECE/NEPHEW
							8	SON/DAUGHTER-IN-LAW
							9	BROTHER/SISTER-IN-LAW
							10	FATHER/MOTHER-IN-LAW
							11	OTHER RELATIVE
							12	SERVANT/SERVANT'S RELATIVE
							13	TENANT/TENANT'S RELATIVE
							14	OTHER PERSON NOT RELATED
Q05	070	42	1		QLN	5 Sex of RECIPIENT	1	MALE
							2	FEMALE
Q06A	070	43	2		QLN	6 RECIPIENT lives in District	1	URBAN
Q06B	070	45	1		QLN	Region	1	URBAN
							2	RURAL
Q07	070	46	1		QLN	7 Occupation	1	WAGE EMPLOYMENT IN AGRICULTURE
							2	WAGE EMPLOYMENT NOT IN AGRICULTURE
							3	SELF EMPLOYMENT IN AGRICULTURE
							4	SELF EMPLOYMENT NOT IN AGRICULTURE
							5	STUDENT
							6	OTHER
Q08A	070	47	8		QNT	8 Amount sent Cash (Rs)		
Q08B	070	55	8		QNT	In-kind (Rs)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	071	1	3			SECTION 14, PART B: REMITTANCES RECEIVED		Section 14B1
WWWHH	071	4	5		QNT	Household Identifier		
WWW	071	4	3		QNT	Primary Sampling Unit		
HH	071	7	2		QNT	Household Number		
Q01	071	9	1		QLN	1 Received anything?	1	YES
							2	NO

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	072	1	3			SECTION 14, PART B: REMITTANCES RECEIVED		Section 14B2
WWWHH	072	4	5		QNT	Household Identifier		
WWW	072	4	3		QNT	Primary Sampling Unit		
HH	072	7	2		QNT	Household Number		
LNO	072	9	2		QNT	L I N E N U M B E R		
IDR	072	11	2		QNT	ID Code of respondent		
Q02	072	13	25		TYP	2 Name of DONOR		
Q03	072	38	2		QNT	3 ID Code of recipient		
Q04	072	40	2		QLN	4 Rel of DONOR to recipient	2	WIFE/HUSBAND
							3	SON/DAUGHTER
							4	GRANDCHILD
							5	FATHER/MOTHER
							6	SISTER/BROTHER
							7	NIECE/NEPHEW
							8	SON/DAUGHTER-IN-LAW
							9	BROTHER/SISTER-IN-LAW
							10	FATHER/MOTHER-IN-LAW
							11	OTHER RELATIVE
							12	SERVANT/SERVANT'S RELATIVE
							13	TENANT/TENANT'S RELATIVE
							14	OTHER PERSON NOT RELATED
Q05	072	42	1		QLN	5 Sex of DONOR	1	MALE
							2	FEMALE
							9	DONER AGENCY
Q06	072	43	2		QNT	6 Age of DONER		
Q07A	072	45	2		QLN	7 DONOR lives in District	1	URBAN
Q07B	072	47	1		QLN	Region	1	URBAN
							2	RURAL
Q08	072	48	1		QLN	8 Occupation	1	WAGE EMPLOYED IN AGRICULTURE
							2	WAGE EMPLOYED NOT IN AGRICULTURE
							3	SELF EMPLOYED IN AGRICULTURE
							4	SELF EMPLOYED NOT IN AGRICULTURE
							5	STUDENT
							6	OTHERS
Q09A	072	49	8		QNT	9 Amount received Cash (Rs)		
Q09B	072	57	8		QNT	In-kind (Rs)		
Q10	072	65	1		QLN	10 Cash sent through	1	Financial inst.

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							2	HUNDI
							3	Person
							4	Others

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	073	1	3			.SECTION 15: OTHER INCOME"		Section 15
WWWHH	073	4	5		QNT	Household Identifier		
WWW	073	4	3		QNT	Primary Sampling Unit		
HH	073	7	2		QNT	Household Number		
Q01	073	9	3		QLN	TYPE OF ASSETS	101	SAVINGS ACCOUNT
							102	FIXED DEPOSITS
							103	STOCKS/SHARES ETC.
							104	PROVIDENT FUND
							105	INTERNAL PENSION
							106	EXTERNAL PENSION
							107	COMMISSION FEE, ETC
							108	OTHERS
Q02	073	12	8		QNT	2 Current value (Rs)		
Q03	073	20	8		QNT	3 Value a year ago (Rs)		
Q04	073	28	8		QNT	4 Received in 12 mon. (Rs)		

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	074	1	3			SECTION 16: CHILDREN AWAY FROM HOME		Section 16A
WWWHH	074	4	5		QNT	Household Identifier		
WWW	074	4	3		QNT	Primary Sampling Unit		
HH	074	7	2		QNT	Household Number		
Q01	074	9	1		QLN	01 Any child away from home?	1	Yes
							2	No

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	075	1	3			SECTION 16: CHILDREN AWAY FROM HOME		Section 16B
WWWHH	075	4	5		QNT	Household Identifier		
WWW	075	4	3		QNT	Primary Sampling Unit		
HH	075	7	2		QNT	Household Number		
CIDC	075	9	2		QNT	C H I L D N U M B E R		
Q02	075	11	24		TYP	2 Name of child		
Q03A	075	35	2		QLN	3A Father's ID code	1	01
							2	02
							3	03
							4	04
							5	05
							6	06
							7	07
							8	08
							9	09
							10	10
							11	11
							12	12
							13	13
							14	14
							15	15
							16	16
							17	17
							18	18
							19	19
							20	20
							21	21
							22	22
							23	23
							24	24
							25	25
							26	26
							27	27
							28	28
							29	29
							30	30
							31	31
							32	32
							33	33
							34	34
							35	35
							36	36
							37	37
							38	38
							39	39
							40	40
							41	41
							42	42
							43	43
							44	44
							45	45
							46	46
							47	47
							48	48
							49	49

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							50	50
							91	Alive
							92	Deceased
							93	Unknown
Q03B	075	37	2		QLN	3B Mother's ID code		(See variable Q03A)
Q04	075	39	1		QLN	4 Sex	1	Male
							2	Female
Q05	075	40	1		QLN	5 Relationship with head	1	Son/daughter
							2	Step-son/daughter
							3	Grandchild
							4	Brother/sister
							5	Nephew/niece
							6	Others
Q06A	075	41	2		QNT	6A Age - Then		
Q06B	075	43	2		QNT	6B - Now		
Q07A	075	45	2		QLN	7A Level completed - Then	0	Nursery/KG
							1	Class 01
							2	Class 02
							3	Class 03
							4	Class 04
							5	Class 05
							6	Class 06
							7	Class 07
							8	Class 08
							9	Class 09
							10	Class 10
							11	SLC
							12	Intermediate
							16	Literate, non-formal
							17	Illiterate
Q07B	075	47	2		QLN	7B - Now		(See variable Q07A)
Q08A	075	49	2		QLN	8A District	1	TAPLEJUNG
							2	PANCHTHAR
							3	ILAM
							4	JHAPA
							5	MORANG
							6	SUNSARI
							7	DHANKUTA
							8	TEHRATHUM
							9	SANKHUWASABHA
							10	BHOJPUR
							11	SOLUKHUMBU
							12	OKHALDHUNGA
							13	KHOTANG
							14	UDAYAPUR
							15	SAPTARI
							16	SIRAHA
							17	DHANUSHA
							18	MAHOTTARI
							19	SARLAHI
							20	SINDHULI
							21	RAMECHHAP

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks
							22 DOLAKHA
							23 SINDHUPALCHOK
							24 KAVRE
							25 LALITPUR
							26 BHAKTAPUR
							27 KATHMANDU
							28 NUWAKOT
							29 RASUWA
							30 DHADING
							31 MAKWANPUR
							32 RAUTAHAT
							33 BARA
							34 PARSA
							35 CHITWAN
							36 GORKHA
							37 LAMJUNG
							38 TANAHU
							39 SYANGJA
							40 KASKI
							41 MANANG
							42 MUSTANG
							43 MYAGDI
							44 PARBAT
							45 BAGLUNG
							46 GULMI
							47 PALPA
							48 NAWALPARASI
							49 RUPANDEHI
							50 KAPILBASTU
							51 ARGHAKHANCHI
							52 PYUTHAN
							53 ROLPA
							54 RUKUM
							55 SALYAN
							56 DANG
							57 BANKE
							58 BARDIYA
							59 SURKHET
							60 DAILEKHA
							61 JAJARKOT
							62 DOLPA
							63 JUMLA
							64 KALIKOT
							65 MUGU
							66 HUMLA
							67 BAJURA
							68 BAJHANG
							69 ACHHAM
							70 DOTI
							71 KAILALI
							72 KANCHANPUR
							73 DADHELDHURA
							74 BAITADI
							75 DARCHULA
							81 INDIA
							82 BHUTAN
							83 CHINA
							84 BANGLADESH
							85 HONG KONG
							86 MALESIA

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							87	JAPAN
							88	SAUDI ARAB
							89	KATAR
							90	UAE
							91	UNITED KINGDOM
							92	USA
							93	OTHER COUNTRY
							99	DON'T KNOW
Q08B	075	51	1		QLN	8B Urban/Rural	1	Urban
							2	Rural
Q09	075	52	1		QLN	9 What does primarily do?	1	Work
							2	Study
							3	Live with relatives
							4	With parents
							5	Don't know
Q10	075	53	3		QLN	10 Work	9	Don't know
							11	Armed Forces
							111	Legislators
							112	Government Officials
							114	Officials of Special Interest Organizations
							121	Directors and Chief Executives
							122	Production and Operations Department Managers
							123	Other Department Managers
							131	General Managers/Managing Proprietors
							211	Physicists, Chemists and Related Professionals
							212	Mathematicians, Statisticians and Related Professionals
							213	Computing Professionals
							214	Architects, Engineers and Related Professionals
							221	Life Science Professionals
							222	Health Professionals, Except Nursing
							223	Nursing and Midwifery Professionals
							231	College, University and Higher Education Teaching Professionals
							232	Secondary Education Teaching Professionals
							233	Primary and Pre-Primary Education Teaching Professionals
							234	Special Education Teaching Professionals
							235	Other Teaching Professionals
							241	Business Professionals
							242	Legal Professionals

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							243	Archivists, Librarians and Related Information Professionals
							244	Social Science and Related Professionals
							245	Writers and Creative or Performing Artists
							246	Religious Professionals
							311	Physical and Engineering Science Technicians
							312	Computer Associate Professionals
							313	Optical and Electronic Equipment Operators
							314	Aircraft Controllers and Technicians
							315	Safety and Quality Inspectors
							321	Life Science Technicians and Related Associate Professionals
							322	Modern Health Associate Professional, Except Nursing
							323	Nursing and Midwifery Associate Professionals
							324	Traditional Medicine Practitioners and Faith Healers
							331	Primary Education Teaching Associate Professionals
							332	Pre-Primary Education Teaching Associate Professionals
							333	Special Education Teaching Associate Professionals
							334	Other Teaching Associate Professionals
							341	Finance and Sales Associate Professionals
							342	Business Services Agent and Trade Brokers
							343	Administrative Associate Professionals
							344	Customs, Tax and Related Government Associate Professionals
							345	Police Inspectors and Detectives
							346	Social Work Associate Professionals
							347	Artistic, Entertainment and Soprts Associate Professionals
							348	Religious Associate Professionals
							411	Secretaries and Keyboard-Operating Clerks/Assistants

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							412	Numerical Clerks/Office Assistants
							413	Material-Recording and Transport Clerks/Office Assistants
							414	Library, Mail and Related Clerks/Office Assistants
							419	Other Office Clerks/Assistants
							421	Cashiers, Tellers and Related Clerks/Office Assistants
							422	Client Information Clerks/Office Assistants
							511	Travel Attendants and Related Workers
							512	Housekeeping and Restaurant Services Workers
							513	Personal Care and Related Workers
							514	Other Professional Services Workers
							515	Astrologers, Fortune-Tellers and Related Workers
							516	Protective Service Workers
							521	Fashion and Other Models
							522	Shop Salespersons and Demonstratotrs
							523	Stall and Market Salespersons
							611	Market-Oriented Gardeners and Crop Growers
							612	Market-Oriented Animal Producers and Related Workers
							613	Market-Oriented Crop and Animal Producers
							614	Forestry and Related Workers
							615	Fishery Workers
							621	Subsistence Agricultural and Fishery Workers
							711	Miners, Shoftirers, Stone Cutters and Carvers
							712	Building Frame and Related Trades Workers
							713	Building Finishers and Related Trades Workers
							714	Painters, Building Structure Cleaners and Related Trades Workers
							721	Metal Moulders, Welders, Sheet-Metal Workers, Structural-Metal Preparer
							722	Blacksmiths, Tool-Makers and Related Trades Workers
							723	Machinery Mechanics and Fitters

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							724	Electrical and Electronic Equipment Mechanics and Fitters
							731	Precision Workers In Metal and Related Materials
							732	Potters, Glass-Makers and Related Trades Workers
							733	Handicraft Workers In Wood, Textile, Leather and Related Materials
							734	Printing and Related Trades Workers
							741	Food Processing and Related Trades Workers
							742	Wood Treaters, Cabinet-Makers and Related Traders Workers
							743	Textile, Garment and Related Trades Workers
							744	Pelt, Leather and Shoe Making Trades Workers
							811	Mining and Mineral-Processing Plant Operators
							812	Metal-Processing-Plant Operators
							813	Glass, Ceramics and Relative Plant Operators
							814	Wood-Processing and Papermaking-Plant Operators
							815	Chemical-Processing-Plant Operators
							816	Power-Production and Related Plant Operators
							817	Automated-Assembly-Line and Industrial-Robot Operators
							821	Metal and Mineral Products Machine Operators
							822	Chemical-Products Machine Operators
							823	Rubber and Plastic Products Machine Operators
							824	Wood-Products Machine Operators
							825	Printing, Binding and Paper Products Machine Operators
							826	Textile, Fur and Leather-Products Machine Operators
							827	Food and Related Products Machine Operators
							828	Assemblers
							829	Other Machine Operators and Assemblers
							831	Locomotive-Engine Drivers and Related Workers
							832	Motor Vehicle Drivers

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
							833	Agricultural and Other Mobile-Plant Operators
							911	Street Vendors and Related Workers
							912	Shoe Cleaning and Other Street Services Elementary Occupations
							913	Domestic and Related Helpers, Cleaners and Launderers
							914	Building Caretakers, Windows and Related Cleaners
							915	Messengers, Porters, Doorkeepers and Related Workers
							916	Garbage Collectors and Related Labourers
							921	Agricultural, Fishery and Related Labourers
							931	Mining and Construction Labourers
							932	Manufacturing Labourers
							933	Transport Labourers and Freight Handlers
							996	Bonded Labour
							997	Household Work
							998	Student
							999	Not Working
Q11	075	56	1		QLN	11 Receive money/goods?	1	Yes
							2	No

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	076	1	3			SECTION 17: ADEQUACY OF CONSUMPTION		Section 17
WWWHH	076	4	5		QNT	Household Identifier		
WWW	076	4	3		QNT	Primary Sampling Unit		
HH	076	7	2		QNT	Household Number		
IDR	076	9	2		QNT	ID CODE OF RESPONDENT		
Q01	076	11	1		QLN	1 Food consumption	1	LESS THAN ADEQUATE
							2	JUST ADEQUATE
							3	MURE THAN ADEQUATE
							4	NOT APPLICABLE
Q02	076	12	1		QLN	2 Facility consumed		(See variable Q01)
Q03	076	13	1		QLN	3 Clothing		(See variable Q01)
Q04	076	14	1		QLN	4 Health care		(See variable Q01)
Q05	076	15	1		QLN	5 Schooling		(See variable Q01)
Q06	076	16	1		QLN	6 Total income		(See variable Q01)
Q07	076	17	1		QLN	7 Anyone eat too little?	1	Yes
							2	No
Q08	076	18	1		QLN	8 Health	1	Good
							2	Normal
							3	Not good
							4	Not applicable
Q09	076	19	1		QLN	9 Education		(See variable Q08)
Q10	076	20	1		QLN	10 Drinking water		(See variable Q08)
Q11	076	21	1		QLN	11 Electricity		(See variable Q08)
Q12	076	22	1		QLN	12 Road		(See variable Q08)
Q13	076	23	1		QLN	13 Post office		(See variable Q08)
Q14	076	24	1		QLN	14 Telephone		(See variable Q08)

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	077	1	3			SECTION 18: PANEL SAMPLE		Section 18A
WWWHH	077	4	5		ONT	Household Identifier		
WWW	077	4	3		ONT	Primary Sampling Unit		
HH	077	7	2		ONT	Household Number		
Q01	077	9	1		QLN	1 Same household as NLSS I	1	YES
							2	NO
Q02	077	10	1		QLN	2 Household found	1	YES
							2	NO
Q03	077	11	1		QLN	3 Reason not found	1	MOVED
							2	OTHER
							3	DON'T KNOW
Q04A	077	12	2		QLN	4 Household moved - District	1	URBAN
Q04B	077	14	1		QLN	- Urban/Rural	1	URBAN
							2	RURAL
Q04C	077	15	2		QNT	- Year		
Q05	077	17	1		QLN	5 Respondent	1	RELATIVE
							2	NEIGHBOUR
							3	KNOWLEDGEABLE PERSON
							4	OTHER

Variable	RT	From	Length	Dec	Type	Description	Encodement / Remarks	
RT	078	1	3			SECTION 18: PANEL SAMPLE		Section 18B
WWWHH	078	4	5		ONT	Household Identifier		
WWW	078	4	3		ONT	Primary Sampling Unit		
HH	078	7	2		ONT	Household Number		
ID96	078	9	2		QNT	ID CODE in 1995/96		
Q06	078	11	24		TYP	6 Name		
Q07	078	35	1		QLN	7 Sex	1	MALE
							2	FEMALE
Q08	078	36	2		QLN	8 Relationhip with head	1	HEAD
							2	WIFE or HUSBAND
							3	SON/DAUGHTER
							4	GRANDCHILD
							5	FATHER or MOTHER
							6	SISTER or BROTHER
							7	NIECE or NEPHEW
							8	SON/DAUGHTER-IN-LAW
							9	BROTHER/SISTER-IN-LAW
							10	FATHER/MOTHER-IN-LAW
							11	OTHER FAMILY RELATIVE
							12	SERVANT/SERVANT'S RELATIVE
							13	TENANT/TENANT'S RELATIVE
							14	OTHER PERSON NON RELATED
Q09	078	38	2		QNT	9 Age in 1995/96		
Q10	078	40	1		QLN	10 Is this person new ?	1	YES
							2	NO
Q11	078	41	2		QNT	11 ID code from new roster		
Q12	078	43	1		QLN	12 Reason for not in the HHld	1	DECEASED
							2	HOUSEHOLD SPLIT
							3	MOVED FOR WORK
							4	MOVED DUE TO MARRIAGE
							5	MOVED FOR STUDIES
							6	OTHER REASON
Q13A	078	44	1		QLN	13A Same PSU	1	YES
							2	NO
Q13B	078	45	2		QLN	13B Living in - District	1	URBAN
Q13C	078	47	1		QLN	- Urban/Rural	1	URBAN
							2	RURAL
Q14	078	48	2		QNT	14 Year		