Users' Manual for Handling Resampled Micro Data of Mongolia Household Socio Economic Survey

Mongolia HSES 2012

(Version 2.0)

2019
The Institute of Statistical Mathematics (ISM)
and
Statistical Information Institute for Consulting and Analysis (SINFONICA)

History of revision of the manual

- Version 2.0: Finalized in March 2019 based on the discussion during the Workshop in November - December 2018.

- Version 1.0 in November 2018 for the Workshop in November 2018.

CONTENTS

Mongolia HSES 2012

Chapter 1. About this Manual

1. This manual was prepared for users to use the next 80% resampled micro data sets of Mongolia Household Socio Economic Survey (HSES) 2012.

CSV format	
[1] "Household_80.csv"	"Individual_80.csv"
[3] "Llivestock_80.csv"	"Livestock Expenditure_80.csv"
[5] "Product_80.csv"	"Crop_80.csv"
[7] "Agriultural Expenditure_80.csv"	"Enterprise_80.csv"
[9] "Other income_80.csv"	"Remittance_80.csv"
[11] "Savings loan_80.csv"	"Energy_80.csv"
[13] "Payment service_80.csv"	"Durable_80.csv"
[15] "Non-Food_80.csv"	"Urban Diary_80.csv"
[17] "Rural Food 7 day_80.csv"	"Foodstuffs_80.csv"
[19] "Foodout_80.csv"	"Basicvars_80.csv"

R format	
The elements of the list object of "outfiles.80" correspond to;	
[1] "Household.80"	"Individual.80"
[3] "Llivestock.80"	"Livestock Expenditure.80"
[5] "Product.80"	"Crop.80"
[7] "Agriultural Expenditure.80"	"Enterprise.80"
[9] "Other income.80"	"Remittance.80"
[11] "Savings loan.80"	"Energy.80"
[13] "Payment service.80"	"Durable.80"
[15] "Non-Food.80"	"Urban Diary.80"
[17] "Rural Food 7 day.80"	"Foodstuffs.80"
[19] "Foodout.80"	"Basicvars.80"

2. The original micro data sets composed of all the samples were provided by Mongolian NSO 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. This manual was first compiled in November 2018 by;

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Visiting Senior Research Fellow, Sinfonica

Chapter 2. Outline of Mongolia HSES 2012

The below table describes mainly on the household socio-economic survey.

Objectives of the survey	To evaluate and monitor the income and expenditure of households, update the basket and weights for consumer price index, and offer inputs to the national accounts.
Topics covered by the survey	Covered basic socio-economic information about the members of households, education, health, employment, livestock, crop production, household business and other income, housing and energy, durable goods, non-food expenditures and food consumption.
Frequency of the survey	Conducted HSES in a comprehensive form every three years and in an abbreviated form annually.
Survey period	● Covered a 12-month period from January 2012 to December 2012
Coverage of the survey	● Geographical coverage: National ● Households (defined as a group of persons who usually live and eat together) ● Household members (defined as members of the household who usually live in the household, which may include people who did not sleep in the household the previous night, but does not include visitors who slept in the household the previous night but not usually live in the household) ● The following households and population group were excluded from this survey. 1) Foreign citizens (employees of foreign embassies and consular corps, International organizations and their contractors as well as tourists) 2) Prisoners (If a household head is jailed less than 11 months, or its member less than 6 months, they still will be included in the survey.) 3) Persons living in social welfare facilities 4) Military person on term based/temporary duty
Sample design	● The 2012 HSES used the sampling frame which was developed by the NSO based on 2005 population figures obtained from local registration offices. This updated sampling frame was of great importance because the spacial distribution of the population had changed dramatically over the last years and any frame based on the Census 2000 would not be relevant

	anymore. ● Three explicit strata: Ulaanbaatar, Aimag centers, and Rural (soum centers and the countryside). ● A two-stage process in urban areas; In Ulaanbaatar, 360 khesegs were initially selected, from each of which 10 households were chosen. In aimag centers, 12 or 24 bags were initially selected, and then 10 households from each bag. ● A three-stage process in rural areas; In rural areas, first 52 soums, then 12 bags in each soum and finally 8 households in each bag were selected. ● All 1,248 primary sampling units or clusters (units, bags or soums) were selected with a probability proportional to their sizes and were randomly allocated into twelve months of survey fieldwork. ● The sample of 11,232 households was allocated as follows: 3,600 in Ulaanbaatar, 2,640 in aimag centers and 4,992 in rural areas and soum centers. However, the actual sample size used for this analysis is slightly smaller: 3,572 households in Ulaanbaatar; 2,639 in aimag centers; and 4,987 in rural areas and small towns. The difference is explained by 60 households, for which complete information was unavailable and were thus, excluded. ● Sample size: 12,811 households in HSES 2012.
Data collection method	● Face-to-face ● The overall data quality is to be considered of good standard. On the one hand, the large amounts of information that the HSES collects from households imposed new demands on operational strategies and data management compared to the previous HSES.
Data entry and data check	● All procedures were streamlined and centralized, which is likely to have had a positive impact on the quality of the information. ● On the other hand, three different rounds of consistency checks were applied to the data: first during the data entry process, then during the compilation of the raw data files and finally during the preparation of this report. In all cases, it was possible to compare these listings against actual questionnaires filled out by households (and at least during the first round

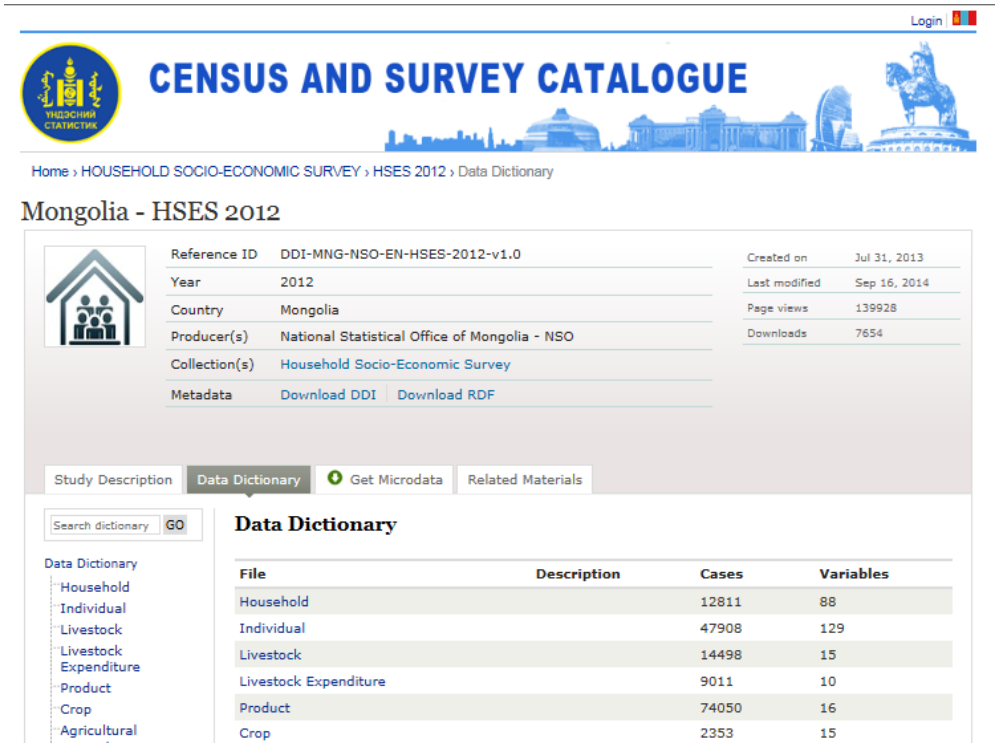
	of checks, some households were visited again) and the data were amended whenever a mistake was found. ● Databases for the HSES 2007/08 have been unified and data error checking was made (by using STATA program) in cooperation with working group.
Publication	
Technical and financial assistance	● Conducted HSES 2007-08 with support of World Bank. ● No description about World Bank in HSES 2012.

Chapter 3. Data and metadata provided

- NADA

The following data and metadata are downloaded from Mongolian NSO's website.

URL: http://web.nso.mn/nada/index.php/catalog/79/ (accessed on 20180816)



◆ Household data files

File names in STATA format;	
[1] "Household.dta"	"Individual.dta"
[3] "Llivestock.dta"	"Livestock Expenditure.dta"
[5] "Product.dta"	"Crop.dta"
[7] "Agriultural Expenditure.dta"	"Enterprise.dta"
[9] "Other income.dta"	"Remittance.dta"
[11] "Savings loan.dta"	"Energy.dta"
[13] "Payment service.dta"	"Durable.dta"
[15] "Non-Food.dta"	"Urban Diary.dta"
[17] "Rural Food 7 day.dta"	"Foodstuffs.dta"
[19] "Foodout.dta"	"Basicvars.dta"

◆ Metadata

Codebook	HSES_Dbase_codebook_2012.pdf (1) HSES_Dbase_codebook_2012_revised.pdf (2)	
	Database documentation including variable labels and value labels. However, it does not include “18 Foodstuff”. (2) was provided on the occasion of the workshop.	
Survey report	None	
Questionnaire	HSES_2012_Questionnaire.xlsx (1) MHSES_2012_F1diary_ENG.xlsx (2) MHSES_2012_F2food_ENG.xlsx (3) HSES_2012_F2_3C_Mon_last.xlsx (4)	
	The questionnaire form in English was not available at the website. It was provided by NSO upon request. However, questionnaire forms of Urban Diary, Rural Food 7 day, Foodout and Foodstuffs are not included in the above Excel file (1). On the occasion of the workshop, Excel files (2) and (3) were provided upon request. (2) is diary form for urban food. (3) is the summary of urban food, and rural food in 7-days. Foodout questions was newly introduced in HSES 2012, and they were at the bottom of questionnaire form (2). Foodstuff questionnaire was also newly introduced in HSES 2012. It related to government food assistance program, and was not used for estimation of consumption. Indeed, the food assistance received free was written in Diary for urban or RecallFood for rural. The questionnaire form in Mongolian language was available at sheet “PMT” for urban and “PMT_rural” for rural in Excel (4).	

- **IHSN**

Unfortunately, the latest survey is HSES 2011.

http://catalog.ihsn.org/index.php/catalog/4719/related_citations (accessed on 20180815)

Chapter 4. Data import

4.1 Import STATA data files into R

```
> STATA.files<-list.files()
> STATA.files
  [1] "Agriultural Expenditure.dta" "Basicvars.dta"
  [3] "Crop.dta"                    "Durable.dta"
  [5] "Energy.dta"                  "Enterprise.dta"
  [7] "Foodout.dta"                 "Foodstuffs.dta"
  [9] "Household.dta"               "Individual.dta"
[11] "Livestock Expenditure.dta"    "Llivestock.dta"
[13] "Non-Food.dta"                 "Other income.dta"
[15] "Payment service.dta"          "Product.dta"
[17] "Remittance.dta"               "Rural Food 7 day.dta"
[19] "Savings loan.dta"             "Urban Diary.dta"
```

Remarks:
In addition to the 17 files of HSES 2010, the next three files were added:
Savings loan.dta
Foodstucks.dta
Foodout.dta

```
> STATA.files<-STATA.files[c(9,10,12,11,16,3,1,6,14,17,19,5,15,4,13,20,18,8,7,2)]
> STATA.files
  [1] "Household.dta"               "Individual.dta"
  [3] "Llivestock.dta"              "Livestock Expenditure.dta"
  [5] "Product.dta"                 "Crop.dta"
  [7] "Agriultural Expenditure.dta" "Enterprise.dta"
  [9] "Other income.dta"            "Remittance.dta"
[11] "Savings loan.dta"             "Energy.dta"
[13] "Payment service.dta"          "Durable.dta"
[15] "Non-Food.dta"                 "Urban Diary.dta"
[17] "Rural Food 7 day.dta"         "Foodstuffs.dta"
[19] "Foodout.dta"                  "Basicvars.dta"
```

Imported STATA files into R using package of "readstata13"

```
> library(readstata13)
> library(foreign)

> outfiles<-list()
> for(j in 1:20){
+ outfiles<-c(outfiles,list(read.dta13(STATA.files[j],convert.factors=F)))
+ }

> length(outfiles)
[1] 20
```

```
# Made list of data file names, number of records and variables
> for(j in 1:20) cat(j,":",STATA.files[j],":",dim(outfiles[[j]]),"¥n")

1 : Household.dta : 12811 88
2 : Individual.dta : 47908 129
3 : Llivestock.dta : 14498 15
4 : Livestock Expenditure.dta : 9011 10
5 : Product.dta : 74050 16
6 : Crop.dta : 2353 15
7 : Agriultural Expenditure.dta : 11518 10
8 : Enterprise.dta : 2342 31
9 : Other income.dta : 333086 20
10 : Remittance.dta : 3670 17
11 : Savings loan.dta : 6305 19
12 : Energy.dta : 115299 15
13 : Payment service.dta : 166543 13
14 : Durable.dta : 563684 12
15 : Non-Food.dta : 4624771 15
16 : Urban Diary.dta : 867273 23
17 : Rural Food 7 day.dta : 708480 16
18 : Foodstuffs.dta : 12811 17
19 : Foodout.dta : 25578 12
20 : Basicvars.dta : 12811 12
```

4.2 Generated list of variable names in each data frame

Summary:
1. The household identifier is “identif” in each file.

The variable “ind_id” of “Individual.dta” and “Remittance.dta” is the individual identifier within the household.

The household weight is given as “hhweight” in “Basicvars.dta”.

2. The value labels of aimag and location are displayed only in the first file.

3. In some files, value labels are not properly displayed, that is, not in English.

4. The item codes of “Urban Diary.dta” and “Rural Food 7 day.dta” are consistent.

5. The variable of “newaimag” in “Basicvars.dta” is the same as “aimag” of other files.

6. As for “10 Relationship to head” in “individual.dta”, the value label of “7 BROTHER/SISTER IN LAW” should be read as “7 SON?DAUGHTER IN LAW”

```
> for(k in 1:20){
+ df<-outfiles[[k]]
+ cb<-vector(length=ncol(df),mode="list")
+ # cb: data frame of codebook
+ for(j in 1:length(cb)){
+ cb[[j]]$varname<-names(df)[j]
+ cb[[j]]$varlabel<-attributes(df)$var.labels[j]
+ cb[[j]]$vallabel<-(attributes(df)$label.table[attributes(df)$val.labels])[[j]]
+ }
+ # print codebook
+ cat("¥n¥n",k,"### ",STATA.files[k]," ###¥n")
+ for(j in 1:length(cb)){
+ cat(format(j,width=2),format(cb[[j]]$varname,width=10),
+         format(cb[[j]]$varlabel,width=30),"¥n")
+     if( ( (k>1 & cb[[j]]$varname!= "location" & cb[[j]]$varname!= "aimag"   ) || k==1 ) &
length(cb[[j]])==3 ){
+     t<-cb[[j]]$vallabel
+     for(h in 1:length(t)){
+     cat(rep(" ",10),format(t[h],width=3),format(names(t)[h],width=30),"¥n")
+     } # end of for h
+ #}
+ } # end of if
+ } # end of for j
+ } # end of for k


 1 ###    Household.dta    ###
 1 identif       group(identif)
 2 year            Year
 3 quarter       Quarter
 4 cluster       Cluster
 5 aimag          Aimag
                              11 Ulaanbaatar (11)
                              21 Dornod (21)
                              22 Suhbaatar (22)
                              23 Hentii (23)
                              41 Tuv (41)
                              42 Govisumber (42)
                              43 Selenge (43)
                              44 Dornogovi (44)
                              45 Darhan-Uul (45)
                              46 Umnugovi (46)
                              48 Dundgovi (48)
                              61 Orhon (61)
                              62 Uvurhangai (62)
                              63 Bulgan (63)
                              64 Bayanhongor (64)
                              65 Arhangai (65)
                              67 Huvsgul (67)
                              81 Zavhan (81)
                              82 Govi-Altai (82)
                              83 Bayan-Ulgii (83)
                              84 Hovd (84)
                              85 Uvs (85)
```

6 soum Soum
7 location Location
1 Capital
2 Aimag center
3 Soum center
4 Rural
8 interviewer Interviewer
9 supervisor Supervisor
10 operator Operator
11 q0008 8. Household Members
12 hh_no household_id____
13 q0009 9. aDOEEI O____ADEEI NIIAIEO
14 q0010 I÷nii oaaa
15 v1_dd Day
16 v1_mm Month
17 v1_yy Year
18 v1_res v1_Result
1 COMPLETE
2 PARTIALLY COMPLETED
3 NO RESPONDENT IN THE HOUSEHOLD
4 HOUSEHOLD TEMPERARILY NOT PRESENT
5 POSTPONED
6 REFUSED
7 HOUSEHOLD NOT FOUND
19 v2_dd Visit 2 DD
20 v2_mm Visit 2 MM
21 v2_yy Visit 2 YY
22 v2_res Visit 2 Result
1 COMPLETE
2 PARTIALLY COMPLETED
3 NO RESPONDENT IN THE HOUSEHOLD
4 HOUSEHOLD TEMPERARILY NOT PRESENT
5 POSTPONED
6 REFUSED
7 HOUSEHOLD NOT FOUND
23 v3_dd Visit 3 DD
24 v3_mm Visit 3 MM
25 v3_yy Visit 3 YY
26 v3_res Visit 3 Result
1 COMPLETE
2 PARTIALLY COMPLETED
3 NO RESPONDENT IN THE HOUSEHOLD
4 HOUSEHOLD TEMPERARILY NOT PRESENT
5 POSTPONED
6 REFUSED
7 HOUSEHOLD NOT FOUND
27 v4_dd Visit 4 DD
28 v4_mm Visit 4 MM
29 v4_yy Visit 4 YY
30 v4_res Visit 4 Result
1 COMPLETE
2 PARTIALLY COMPLETED
3 NO RESPONDENT IN THE HOUSEHOLD
4 HOUSEHOLD TEMPERARILY NOT PRESENT

5 POSTPONED
6 REFUSED
7 HOUSEHOLD NOT FOUND

31 q0701 Q0701 Raised or Owned Herding,poultry or any animal?
1 YES
2 NO

32 q0707 Q0707 Has produced animal products past 12m?
1 YES
2 NO

33 q0715 Q0715 Agricultural land in past 12 m?
1 YES
2 NO

34 q0716 Q0716 What is total amount owned the past 12M

35 q0717 Q0717 Has vegetables, fruits in pas 12M
1 YES
2 NO

36 q0718 Q0718 What is total amount agricultural land HH members past

37 q0801 Q0801 Are there household enterprises?
1 YES
2 NO

38 q0802 Q0802 How many enterprises?

39 q0907 Q0907 Has any member received money or goods
1 YES
2 NO

40 q1001 Q1001
1 YES
2 NO

41 q1002 Q1002

42 q1003 Q1003
1 YES
2 NO

43 q1004 Q1004

44 visitor Number of visitors Cover Form 2

45 ndays Number of days Cover Form 2

46 q1101 (11.01) Number of dwellings

47 q1102 (11.02) Is main dwelling?
1 YES
2 NO

48 q1103 (11.03) Type of Dwellings
1 GER
2 APARTMENT
3 BUILDING
4 DETACHED HOUSE
5 STUDENT'S DORMITORY
6 WORKER'S DORMITORY
7 OTHER DORMITORY ACCOMODATION
8 NON-LIVING QUARTERS
9 OTHER

49 q1104 (11.04) Number of rooms in the dwelling

50 q1105 (11.05) Main material of the walls
1 BRICKS
2 CEMENT
3 WOOD
4 STONE

5 OTHER

51 q1106 (11.06) Main material of the roof
1 METAL
2 ASPHALT ROOF SHINGLES
3 TILE
4 OTHER

52 q1107 (11.07) Main material of the floor
1 WOOD
2 CEMENT
3 EARTH
4 OTHER

53 q1108 (11.08) Living area

54 q1109 (11.09) Total useful area

55 q1110 (11.10) What is the total area occupies

56 q1111 (11.11) Number of walls in the ger

57 q1112 (11.12) Covering of the ceiling
1 SINGLE
2 DOUBLE

58 q1113 (11.13) Covering of the frame
1 SINGLE
2 DOUBLE

59 q1114 (11.14) Main material of the floor
1 WOOD
2 EARTH
3 OTHER

60 q1115 (11.15) How old is this dwelling
99 ***Undefined Label

61 q1116 (11.16) How long have you been living

62 q1117 (11.17) Type of ownership
1 STATE
2 ORGANIZATION'S
3 PRIVATE

63 q1118 (11.18) How was acquired
1 RENTING
2 INHERITED
3 GIFT
4 BUILT BY OURSELVES
5 PURCHASED
6 PRIVATIZED
7 OTHER

64 q1119 (11.19) Did you borrow any money to acquire
1 YES
2 NO

65 q1120 (11.20) If you wanted to rent, how much
99 ***Undefined Label

66 q1121 (11.21) How much do you pay for rent

67 q1122 (11.22) What is the main source of heating
1 CENTRALIZED
2 TRADITIONAL FIRE WOOD/COAL/ DUNG STOVE
3 PRIVATE ELECTRICAL HEATER
4 PRIVATE LOW PRESSURE BOILER
5 OTHERS

68 q1123 (11.23) Source of electricity
1 CENTRAL SYSTEM

2 LOCAL SYSTEM/DIESEL STATION
3 SOLAR SUSTEM
4 WIND SYSTEM
5 SMALL GEN-SET
6 CANDEL
7 OTHER

69 q1124 (11.24) Electricity resource adequate for operating electricd
1 YES
2 NO

70 q1125 (11.25) Water supply
1 CENTRALIZED: HOT & COLD WATER PIPE
2 CENTRALIZED: COLD WATER PIPE ONLY
3 PROTECTED WELL
4 UNPROTECTED WELL
5 TRANSPORTATION DISTRIBUTION
6 SPRING, RIVER
7 SNOW, ICE
8 OTHER

71 q1126 (11.26)

72 q1127 Household waste disposal
1
2
3 NO SPECIAL PLACE
4 OTHERS

73 q1128 What type of toilet do you have
1 SEPARATE
2 PUBLIC
3 OUTSIDE THE DWELLING
4 NO TOILET

74 q1129 Has a telephone
1 YES, LAND LINE PHONE
2 YES, MOBILE PHONE
3 YES, BOTH LAND AND MOBILE PHONE
4 NO

75 q1130_1

76 q1130_2 1130. 3-Distance to the nearest medical care

77 q1130_3 1130. 4-Distance to the nearest pharmacy

78 q1130_4 1130. 5-Distance to the nearest well

79 q1131 1131. Anybody from your household own or exploit land ?
1 YES
2 NO

80 q1132a 1132. How many hectares does your household OWN?

81 q1132b 1132. How many hectares does your household OPERATE?

82 q1133 1133. Use internet normally?
1 YES
2 NO

83 q1134 1134. How many household member

84 q1135_1 1135_1. Where used internet, at home
1 YES
2 NO

85 q1135_2 1135_2. Where used internet, at work
1 YES
2 NO

86 q1135_3 1135_3. Where used internet, internet cafe

1 YES
2 NO

87 q1135_4 1135_4. Where used interne, free public accesst
1 YES
2 NO

88 q1135_5 1135_5. Where used internet, other
1 YES
2 NO

2 ### Individual.dta ###
1 identif group(identif)
2 ind_id Ind_id
3 cluster Cluster
4 aimag Aimag
5 soum Soum
6 location Location
7 quarter Quarter
8 interviewer Interviewer
9 supervisor Supervisor
10 q0102 1.02 Relationship to head
1 HEAD
2 WIFE / HUSBAND
3 SON / DAUGHTER
4 FATHER / MOTHER
5 BROTHER / SISTER
6 FATHER / MOTHER IN LAW
7 BROTHER / SISTER IN LAW
8 GRAND PARENT
9 GRANDCHILD
10 OTHER RELATIVE
11 OTHER

11 q0103 1.03 Sex
1 MALE
2 FEMALE

12 q0104 1.04 Year of birth
13 q0105y 1.05 Age Yrs
14 q0105m 1.05 Age Mths
15 q0106 1.06 Marital Status
1 MARRIED
2 LIVING TOGETHER
3 SEPARATED
4 DIVORCED
5 WIDOWED
6 NEVER MARRIED

16 q0107 1.07 Spouse ID CODE
98 ***Undefined Label

17 q0108 1.08 Father ID CODE
98 ***Undefined Label
99 ***Undefined Label

18 q0109 1.09 Mother ID CODE
98 ***Undefined Label
99 ***Undefined Label

19 q0110a 1.10 Days away past month

20 q0110 1.10 Months away
21 q0111 1.11 Is HH member?
1 YES
2 NO
22 q0201 2.01 Is 6 years or more?
1 YES
2 NO
23 q0202 2.02 Is answering personally?
1 YES
2 NO
24 q0203 2.03 Respondent ID CODE
25 q0204 2.04 Highest certificate obtained
1 NONE
2 PRIMARY
3 SECONDARY
4 COMPLETE SECONDARY
5 VOCATIONAL
6 DEGREE OR HIGHER EDUCATION DIPLOMA
7 BACHELOR
8 MASTER
9 PHD, DOCTOR DEGREE
10 OTHER
26 q0205 2.05 Can read a letter?
1 YES, EASILY
2 YES, WITH DIFFICULTY
3 NO
27 q0206_1 2.06_1 Ooadoa
28 q0206_2 2.06_2 Ooadoa
29 q0206_3 2.06_3 Ooadoa
30 q0206_4 2.06_4 Ooadoa
31 q0206_5 2.06_5 Ooadoa
32 q0207 2.07 Check age/ between 8-35 years
1 YES
2 NO
33 q0208 2.08 Reason never attended school
1 CHILD NOT INTRESTED
2 PARENTS NOT INTERESTED
3 DIFFICULT TRAINING
4 POOR TRAINING QUALITY
5 POOR SCHOOL CONDITIONS
6 LACK OF BUDGET
7 REQUIRED TO WORK
8 SICK/DISABLED
9 HAD TO LOOK AFTER OTHERS
10 SCHOOL TOO FAR
11 MIGRATION
12 SHORTAGE OF DORMITORY
13 OTHERS
34 q0209 2.09 Respondent ID CODE
35 q0210 2.10 Highest certificate obtained
1 NONE
2 PRIMARY
3 SECONDARY
4 COMPLETE SECONDARY

5 VOCATIONAL
6 DEGREE OR HIGHER EDUCATION DIPLOMA
7 BACHELOR
8 MASTER
9 PHD, DOCTOR DEGREE
10 OTHER

36 q0211 2.11 Can read a letter?
1 YES, EASILY
2 YES, WITH DIFFICULTY
3 NO
4

37 q0212 2.12 Are you attending School?
1 YES
2 NO, DROPPEDOUT
3 NO, NEVER ATTENDED
4 NO, COMPLETED

38 q0213 2.13

39 q0214 2.14 Check age/ between 8-35 years
1 YES
2 NO

40 q0215 2.15 Reason never attended school
1 CHILD NOT INTRESTED
2 PARENTS NOT INTERESTED
3 DIFFICULT TRAINING
4 POOR TRAINING QUALITY
5 POOR SCHOOL CONDITIONS
6 LACK OF BUDGET
7 REQUIRED TO WORK
8 SICK/DISABLED
9 HAD TO LOOK AFTER OTHERS
10 SCHOOL TOO FAR
11 MIGRATION
12 SHORTAGE OF DORMITORY
13 OTHERS

41 q0216t 2.16 Current education TYPE
1 GENERAL
2 VOCATIONAL
3 COLLEGE, UNIVERSITY
4 OTHER (ECLE-SIASTICAL, NON FORMAL)

42 q0216g 2.16 Current education GRADE

43 q0217 2.17 Type of School
1 PUBLIC
2 PRIVATE
3 OTHER

44 q0218 2.18 School Location
1 CAPITAL CITY
2 AIMAG CENTER
3 SOUM CENTER
4 ABROAD

45 q0219 2.19 Place where person lives during school
1 HOME
2 GER APPART FROM HH
3 DORMITORY
4 RELATIVES

5 OTHER

46 q0220 2.20

47 q0221 2.21

48 q0222 2.22 Pay tuition?

1 YES

2 NO

49 q0223 2.23

1 OEEI

2 ¯A¯E

50 q0224 2.24

1 NODAAEOUI OaDEEI NAI

2 AAIA, AAIE

3 OAA

4 YOYA YO, OaDaE NAAAI

5 AONAA O¯I

6 AAAAAAUI aieii IEII OENUI AAEAOOEEAAA, AAAAAAUI EDAYI

7 AONAA

51 q0225 2.25

52 q0226_1 2.26_1 Expenditures during past 12 months in room rent

53 q0226_2 2.26_2 Expenditures during past 12 months in tuition paid by

54 q0226_3 2.26_3 Expenditures during past 12 months in books and suppl

55 q0226_4 2.26_4 Expenditures during past 12 months in uniforms

56 q0226_5 2.26_5 Expenditures during past 12 months in transport

57 q0226_6 2.26_6 Expenditures during past 12 months in others

58 q0226_7 2.26_7 Expenditures during past 12 months in TOTAL

59 q0301 3.01 Answering personally?

1 YES

2 NO

60 q0302 3.02 Respondent ID CODE

61 q0303 3.03 Any health problem during past month?

1 YES

2 NO

62 q0304 3.04 Health problem (1)

1 RESPIRATORY SYSTEM

2 DIGESTIVE SYSTEM

3 URINARY AND SEXUAL ORGAN

4 BLOOD CIRCULATION SYSTEM

5 DAMAGE OR INTOXICATION BY EXTERNAL IMPA

6 OTHER

63 q0305 3.05 Did you seek treatment in past 1 M?

1 YES

2 NO

64 q0306 3.06 Why didn't seek treatment?

1 NOT SERIOUS ENOUGH

2 HEALTH FACILITY TOO FAR

3 NO TRANSPORTATION

4 HEALTH CARE TOO EXPENSIVE

5 TRANSPORT TOO EXPENSIVE

6 HEALTH WORKERS NOT FRIENDLY

7 HEALTH WORKERS NOT PRESENT

8 HEALTH CARE NOT GOOD QUALITY

9 NO MONEY

10 TREATED MYSELF

11 DIDN'T KNOW FROM WHERE TO GET TREATMENT
12 TRADITIONAL HEALER

65 q0307 3.07 Where was treatment provided?
1 OEEI
2 ¯A¯E

66 q0308_1 3.08 Who provided medical service for your treatment? - First
1 SPECIALISED DOCTOR
2 FAMILY DOCTOR
3 MEDSISTER
4 CHIROPRACTOR
5 TRADITIONAL HEALER
6 OTHER

67 q0308_2 3.08 Who provided medical service for your treatment? - Second
1 SPECIALISED DOCTOR
2 FAMILY DOCTOR
3 MEDSISTER
4 CHIROPRACTOR
5 TRADITIONAL HEALER
6 OTHER

68 q0309 3.09 Amount paid in facility or healt practitioner

69 q0310 3.10 Have bought medicines in the past M ?
1 YES
2 NO

70 q0311 3.11 Amount spent in medicines

71 q0312 3.12 Have stayed at hospital in past 12 M?
1 YES
2 NO

72 q0313 3.13 What was the Hospital ?
1 CENTRAL HOSPITAL/CLINIC
2 AIMAG/DISTRICT CLINIC
3 SOUM CENTER FAMILY CLINIC
4 PRIVATE
5 ABROAD
6 OTHER

73 q0314a 3.14_1 How much did you pay for all costs

74 q0314b 3.14_2 How much did you pay for all costs

75 q0315 3.15 Amount spent in transportation

76 q0316 3.16

77 q0317 3.17
1 OEEI
2 ¯A¯E

78 q0318 3.18
1 EEEIEEEEI AIEII OaDaEANaI IYDAYAEEEI YIIYEYA
2 AEIAA/ A¯¯¯DAEEI IYAANYI YIIYEYA
3 NOI, NOI AOIAUI AIEII aDOEEI YIIYEYA
4 OOAEEI
5 AAAAAAAA
6 AONAA

79 q0319 3.19
1 IYDAYAEEEI EO YI×
2 aDOEEI YI×
3 NOAEEAA×
4 AADEA×
5 IOI×

6 AONAA

80 q0320 3.20 Oiiia

81 q0321 3.21 Ooadoa

82 q0322 3.22 Ooadoa

83 q0323 3.23

1 OEEI
2 ¯A¯E

84 q0324 3.24

1 OEEI
2 ¯A¯E

85 q0325 3.25

1 OEEI
2 ¯A¯E

86 q0401 4.01 Respondent 10 yrs or more?

1 YES
2 NO

87 q0402 4.02 Answering by himself?

1 YES
2 NO

88 q0403 4.03 ID CODE of respondent

1 OEEI
2 ¯A¯E

89 q0404 4.04 Did you any job for the past 7 days?

1 YES
2 NO

90 q0405 4.05 What kind of work was the main job you did?

1 WAGE JOB
2 UNPAID WORK
3 SELF EMPLOYED HERDING
4 SELF EMPLOYED AGRICULTURE
5 OTHER

91 q0406 4.06 Any permanent job despite you did no job in last 7 day

1 YES
2 NO

92 q0407 4.07 Main reasong for not doing job in last 7 days

1 YI
2 ADaIAaA
3 NOOEAAO
4 OADEA
5 AEAODAAI/ OADOIAA
6 AYEAYA×
7 YIYAOYEI ¯D AAIAOOEAO OIIEIEA AIIO
8 YDYAOYEI ¯DEEI NOAAEEA AIIO
9 OOAIEE
10 AAAOOD OAAEO
11 AONAA

93 q0501 5.01

94 q0502 5.02

95 q0503 5.03

96 q0504 5.04

97 q0505 5.05

98 q0506 5.06

99 q0507 5.07

100 q0508 5.08
101 q0509 5.09
102 q0510 5.10
103 q0511 5.11
104 q0512 5.12
105 q0513 5.13
106 q0514 5.14
107 q0601 6.01
1 OEEI
2 ¯A¯E
108 q0602 6.02
1 OEEI
2 ¯A¯E
109 q0603 6.03
110 q0604 6.04
1 OEEI
2 ¯A¯E
111 q0605 6.05
1 OAEEIOAE AAEE
2 OAEEI OaENA¯E AAEE
3 IAE AA AOOE
4 AACAD OADEAEAI
5 AONAA
112 q0606 6.06
1 OEEI
2 ¯A¯E
113 q0607 6.07
1 aA×OYE
2 AEDYINYI
3 AONAUA ANADNAI
4 AIAD× AAENAI
5 O¯D CIANIEO
6 OEEDEUI ×AIADOAE AAEEOAE
7 AAEE IEAIIA¯E
8 AONAA
114 q0608 6.08
1 OEEI
2 ¯A¯E
115 q0609 6.09
1 OaAaEIaD, OAEAIA, ¯EE×EEAYYIEE OYEOYNO OAIANAI
2 IAEC, IaOaA, OAIAAOAI NAAAIAAANAA OONEAIA O¯NNYI
3 OYAEYE, IYAYYEEEEI CADUI AAAOO OAENAI
4 NIIEIA aaDaa CADEAE aANaI
5 AAEE IEAIA× IADO aDAaAaE aA× OAIANAI
6 AONAA
116 q0610 6.10
1 ITOOAI/NODAA×
2 aIAaD IANOAE
3 AYDEEI AAEEOAE , O¯¯¯OYA ANADAAA
4 AAEE O¯EYYA AAEAAA
5 OEEDEUI ×AIADOAE AAEE YDOYEAYA
6 aA×OYE O¯I ANADAAA

7 OaAAEEEI AYDOOYYEOYE
8 AONAA

117 q0611 6.11
1 OEEI
2 ¯A¯E

118 q0612 6.12
119 q0613 6.13
120 q0614 6.14
121 q0615 6.15
1 IaOaDEaE
2 OIDOII
3 OOAUOAAO EIIIAIE
4 OsCAAADEAAAIAE OADEOOEAAAOAE EIIIAIE
5 OaDEEI aI×EO ¯EEAAYDEEI AACAD
6 IDII IOOAEEI aI×EO ¯EEAAYDEEI AACAD
7 OaNaAO AAEAOOEEAAA
8 OaDEEI AON AAEAOOEEAAA
9 AONAA

122 q0616 6.16
1 OEEI
2 ¯A¯E

123 q0617_1 6.17_1
124 q0617_2 6.17_2
125 q0617_3 6.17_3
126 q0618 6.18
1 OEEI
2 ¯A¯E

127 q0619_1 6.19_1
128 q0619_2 6.19_2
129 q0619_3 6.19_3

3 ### Llivestock.dta ###
1 identif group(identif)
2 ani_id animal
1 Cattle
2 Horses
3 Camels
4 Sheep
5 Goats
6 Others
3 cluster Cluster
4 aimag 2. Aimag
5 soum 3.Soum
6 location 4. Location
7 q0702_1 7.02 TOTAL
8 q0702_2 7.02 Number of female
9 q0702_3 7.02 Number of young
10 q0703 7.03 Use for own food
11 q0704 7.03 Number of sold
12 q0705 7.03 Amount received
13 quarter Quarter
14 interviewer 5. Interviewer

15 supervisor 6. Supervisor

4 ### Livestock Expenditure.dta ###
1 identif group(identif)
2 exp_id ani_exp
1 Animal Feed
2 Drugs and veterinary costs
3 Gassoline/ Oil
4 Taxes and Insurance
5 Wage, pay
6 Fence, machine
7 Other
3 cluster Cluster
4 aimag 2. Aimag
5 soum 3. Soum
6 location 4. Location
7 q0706 7.06 Expenditures on this [herding activity] in the last 1
8 quarter Quarter
9 interviewer 5. Interviewer
10 supervisor 6. Supervisor

5 ### Product.dta ###
1 identif group(identif)
2 byprod_id byprod
1 Goat cashmere, kg
2 Wool, hair, cashmere, kg
3 Skins and hides, pieces
4 Milk, airag, liters
5 Eggs, (number)
6 Other by-products
3 cluster Cluster
4 aimag 2. Aimag
5 soum 3. Soum
6 location 4. LOCATION
7 q0708 7.08
8 q0709 7.09 Total Production
9 q0710 7.10 Quantity consumed by household
10 q0711 7.11 Quantity sold
11 q0712 7.12 Total amount received from sales
12 q0713 7.13 Quantity produced and sold
13 q0714 7.14 Total amount received from produced and sold
14 quarter Quarter
15 interviewer 5. Interviewer
16 supervisor 6. Supervisor

6 ### Crop.dta ###
1 identif group(identif)
2 crop_id crop
1 Potatoes
2 Carrots
3 Turnip

4 Cabbage
5 Beetroot
6 Onion
7 Garlic
8 Tomatoes
9 Cucumber
10 Fruits
11 Wheat
12 Haylage
13 Other

3 cluster Cluster
4 aimag 2. Aimag
5 soum 3. Soum
6 location 4. Location
7 q0719 7.19 Did harvest during past 12 M?
1 OEEI
2 ¯A¯E
8 q0720 7.20 Total harvest in past 12 M in KG
9 q0721 7.21 Quantity consumed by your HH
10 q0722 7.22 Quantity used for animal feed
11 q0723q 7.23 Quantity sold (KG)
12 q0723t 7.23 Total amount sold (Tugrugs)
13 quarter Quarter
14 interviewer 5. Interviewer
15 supervisor 6. Supervisor

7 ### Agriultural Expenditure.dta ###
1 identif group(identif)
2 exp_id exp
1 Seeds
2 Fertilizers
3 Extermination of vermin
4 Wages & salaries
5 Equipment & Tools
6 Spare parts
7 Repairs and services
8 Raw materials
9 Gasoline, fuel
10 Taxes, insurances and fees
11 Transport
12 Rent
13 Others

3 cluster Cluster
4 aimag 2. Aimag
5 soum 3. Soum
6 location 4. Location
7 q0724 7.24 Total expenditures on item during past 12 mths
8 quarter Quarter
9 interviewer 5. Interviewer
10 supervisor 6. Supervisor

8 ### Enterprise.dta ###

1 identif group(identif)
2 en Enterprise Number (1-2-3)
3 aimag 2. Aimag
4 soum 3.Soum
5 location 4. Location
6 q0803 8.03 ISIC
7 q0804 8.04 What % of this enterprise is owned by members
8 q0805 8.05 How many members work in this enterprise
9 q0806 8.06 How many not members work in this enterprise past mont
10 q0807_01 8.07_01 Wage of labor
11 q0807_02 8.07_02 Expenditures in: Goods for resale
12 q0807_03 8.07_03 Expenditures in: Raw materials
13 q0807_04 8.07_04 Expenditures in: Gasoline, fuel
14 q0807_05 8.07_05 Expenditures in: water, steam
15 q0807_06 8.07_06 Expenditures in: Equipment
16 q0807_07 8.07_07 Expenditures in: Rental of facilities
17 q0807_08 8.07_08 Expenditures in: Spare parts
18 q0807_09 8.07_09 Expenditures in: Repair and maintenance
19 q0807_10 8.07_10 Expenditures in: Tax, fees, patent, license, insura
20 q0807_11 8.07_11 Expenditures in: Other expenses(labor, water, steam
21 q0807_99 8.07_99 TOTAL EXPENSES
22 q0808 8.08 Months in operation?
23 q0809_1a 8.09_1a. Amount received in a average month (per mth)
24 q0809_1b 8.09_1b Number of average months
25 q0809_2a 8.09_2 a. Amount received in a bad month (per mth)
26 q0809_2b 8.09_2 b. Number of bad months
27 q0809_3a 8.09_3 a. Amount received in a good month (per mth)
28 q0809_3b 8.09_3 b. Number of good months
29 quarter Quarter
30 interviewer 5. Interviewer
31 supervisor 6. Supervisor

9 ### Other income.dta ###
1 identif group(identif)
2 income_id income
1 State pension
2 Special Pension
3 Unemployment benefit
4 Maternity benefits
5 Disability pension
6 Survivor pension
7 Illness payments
8 Funeral payments
9 Human development fund allowances (received in cash)
10 Human development fund allowances (transferred to account)
11 Human development fund allowances (student, superiority, other)
12 Mother benefit
13 Student benefit
14 Other social benefit
15 Rent of own assets (land, buildings, vehicles, equipment)
16 Sale of assets
17 Inheritances and wedding presents
18 Loan repayments

19 Withdrawals from bank savings
20 Income from other sources
21 Savings?
22 Dividends?
23 Loan?
24 Treasury Bond?
25 Gambling, lottery and contest
26 Other income (from intellectual property & other)

3 cluster Cluster
4 aimag 2. Aimag
5 soum 3. Soum
6 location 4. Location
7 q0901 9.01 Has anybody received ...
1 OEEI
2 ¯A¯E
8 q0902_ic ID CODE 1
9 q0902_t 9.02 Amount during the past 12 mths (1)
10 q0903_ic ID CODE 2
11 q0903_t 9.03 Amount during the past 12 mths (2)
12 q0904_ic ID CODE 3
13 q0904_t 9.04 Amount during the past 12 mths (3)
14 q0905_ic ID CODE 4
15 q0905_t 9.05 Amount during the past 12 mths (4)
16 q0906_ic ID CODE 5
17 q0906_t 9.05 Amount during the past 12 mths (5)
18 quarter Quarter
19 interviewer 5. Interviewer
20 supervisor 6. Supervisor

10 ### Remittance.dta ###
1 identif group(identif)
2 ln Line Number
3 cluster Cluster
4 aimag 2. Aimag
5 soum 3. Soum
6 location 4. Location
7 ind_id ID CODE
8 q0909 9.09 Who gave the gift
1 GOVERNMENT
2 COMPANIES AND ORGANIZATIONS
3 NGOs
4 PARENTS, CHILDREN, RELATIVES
5 OTHER INDIVIDUALS (FRIENDS, NEIGHBORS,
6 FOREIGN & INTERNATIONAL ORGANIZATIONS,
7 OTHERS
9 q0910 9.10 Purpose of the receipt
1 HOUSEHOLD USE
2 EDUCATION8 TUITION FEE
3 MEDICAL TREATMENT
4 PURCHASE OF DWELLING
5 HOLIDAY
6 FUNERAL
7 HOUDEHOLD ENTERPRISE

8 OTHER
10 q0911 9.11 From where the gifts
1 Capital city
2 Aimag center
3 Soum center
4 Countryside
5 immigration
11 q0912 9.12 from wich country the gift (code)
12 q0913 9.13 How much was received during the past 12 M (TUGR)
13 q0914 9.14 Do receive it regularly?
1 YES, weekly
2 YES, monthly
3 YES, quarterly
4 YES, annualy
5 NO
14 q0915 9.15 How do you receive it?
15 quarter Quarter
16 interviewer 5. Interviewer
17 supervisor 6.Supervisor

11 ### Savings loan.dta ###
1 identif group(identif)
2 cluster Cluster
3 aimag 2. Aimag
4 soum 3. Soum
5 location 4. Location
6 loan_id Loan Number
7 q1005 10.05 Kind of loans?
1 Salary loan
2 Retirement loan
3 Mortgage loan
4 Consumer loan
5 Stockman loan
6 Business loan
7 Financing solutions
8 Vehicle-car loan
9 Other
8 q1006 10.06 Did you get this loan in the past 12 months?
1 Yes
2 No
9 q1007 10.07 Total loan of past 12 months
10 q1008 10.08 Is it possible for your household to repay the loan in time?
1 Yes
2 No
3 Don't know
11 q1009 10.09 Where do you or does any member of this household get this loans?
1 Bank
2 Non bank financial institution
3 Savings and credit cooperatives
4 Employer or organization
5 Individual
6 Pawn shop
7 Others

12 q1010a 10.10 What was the loan purpose/function?
1 HH expenses
2 Buy the car
3 Business
4 Buy the land
5 Buy the durable goods
6 Building a house
7 Send a HH member abroad
8 Others
13 q1010b 10.10 What was the loan purpose/function?
1 HH expenses
2 Buy the car
3 Business
4 Buy the land
5 Buy the durable goods
6 Building a house
7 Send a HH member abroad
8 Others
14 q1010c 10.10 What was the loan purpose/function?
1 HH expenses
2 Buy the car
3 Business
4 Buy the land
5 Buy the durable goods
6 Building a house
7 Send a HH member abroad
8 Others
15 q1011 10.11 How much money do you repaid for this loan in the past 1 month?
16 q1012 10.12 How much money do you repaid for this loan in the past 12 month?
17 quarter Quarter
18 interviewer 5. Interviewer
19 supervisor 6. Supervisor

12 ### Energy.dta ###
1 identif group(identif)
2 cluster Cluster
3 aimag 2. Aimag
4 soum 3. Soum
5 location 4. location
6 energy_id Source Number
1 Electricity
2 Firewood, m3
3 Firewood, bag
4 Coal, ton
5 Coal, bag
6 Dung, ton
7 Dung, bag
8 Gas fuel, l
9 Other
7 q1136 11.36 Have used the source?
1 OEEI
2 A E
8 q1137 11.37 How do you mainly obtain [FUEL]?

1 aaDNAaa AYEOAYAYA
2 OOAAEAAA AAAAA
3 AYEOAYAYA, OOAAEAAA AAAAA
4 AONAA

9 q1138 1138. How much have you consumed for the past 12 motnths?
10 q1139 1139. Amount spend on purchases of ... in past month
11 q1140 1140. Amount spend on purchases of ... in past 12 months
12 q1141 1141. Value of ... received free in past 12 months
13 quarter quarter
14 interviewer 5. Interviewer
15 supervisor 6. supervisor

13 ### Payment service.dta ###
1 identif group(identif)
2 cluster Cluster
3 aimag 2. Aimag
4 soum 3. Soum
5 location 4. Location
6 item Service Number

1 Heating fees
2 Water use fees
3 Hot water fees
4 Dirty water
5 Garbage disposal
6 Housing space fees
7 Other services (lift…)
8 Other fees (repair of plumbing)
9 Drinking water /transported/
10 House rent: Ger
11 House rent: Apartment, house
12 Charges of repair of dwelling
13 Other

7 q1142 1142. Have bought or received free.. during past 12 m?

1 YES
2 NO

8 q1143 1143. Amount spend on purchases of .. during past month
9 q1144 1144. Amount spend on purchases of .. during past 12 months
10 q1145 1145. Value of .. received free during past 12 months
11 quarter Quarter
12 interviewer 5. Interviewer
13 supervisor 6. Supervisor

14 ### Durable.dta ###
1 identif group(identif)
2 cluster Cluster
3 aimag 2. Aimag
4 soum 3. Soum
5 location 4. Location
6 durable_id GOOD NUMBER

1 Refrigerator
2 Vacuum Cleaner
3 Washing machine

4 Sewing machine
5 Electric or Gas Stove
6 Electric Heater
7 Electric Gen-set
8 Electric Iron
9 Oven
10 Rice cooker
11 Water purifier
12 Iron Stove/Brick stove
13 Other home appliances & equipment
14 Traditional Style Bed, Wooden Bed
15
16 Sofa
17 Iron Bed
18 Room divider
19 Bedroom furniture sets
20 Wardrobe Closet
21 Wooden Table
22 Wooden Trunk
23 Carpet
24 Other furniture
25 Radio
26 Black & White TV
27 Color TV
28 Tape Player, CD Player
29 Video Cassette Player
30 Video Camera
31 Camera
32 Computer
33 Other electronic good
34 Bicycle
35 Motorcycle
36 Truck, Large truck
37 Car
38 Bus
39 Tractor, harvester
40 Other household transportation
41 Ger
42 House, Dwelling
43 Garage
44 Summer House

7 q1201 12.01 Number of durable good
8 q1202 1202 How long have you used this good
9 q1203 1203 Please value this good
10 quarter Quarter
11 interviewer 5. Interviewer
12 supervisor 6. Supervisor

15 ### Non-Food.dta ###
1 identif group(identif)
2 row13 IA
3 item Non-food Item code
20101 Men: Leather jacket, deel

20102 Men: Winter jacket, winter deel
20103 Men: Overcoat
20104 Men: Other leather jacket, winter jacke
20105 Men: Suit, costume
20106 Men: Wool and cashmere sweater
20107 Men: Other shirts
20108 Men: Traditional deel
20109 Men: Sport wear
20110 Men: Hat, neckwear
20111 Men: Trousers
20112 Men: T-shirts
20113 Men: Underwear
20114 Men: pants (pyjamas) and nightrobe
20115 Men: Socks
20116 Men: Tights
20117 Other men's clothing and footwear
20201 Women: Leather jacket, deel
20202 Women: Winter jacket, winter deel
20203 Women: Overcoat
20204 Women: Other leather jacket, winter jac
20205 Women: Suit, costume
20206 Women: Wool and cashmere sweater
20207 Women: Other shirts
20208 Women: Traditional deel
20209 Women: Unlined dress and skirts
20210 Women: Sport wear
20211 Women: Hat, neckwear
20212 Women: Trousers
20213 Women: T-shirts
20214 Women: Underwear
20215 Women: pants (pyjamas) and nightrobe
20216 Women: Socks
20217 Women: Tights
20218 Other women's clothing and footwear
20301 Children: Leather jacket, deel
20302 Children: Winter jacket, winter deel
20303 Children: Overcoat
20304 Children: Other leather jacket, winter
20305 Children: Suit, costume
20306 Children: Wool and cashmere sweater
20307 Children: Other shirts
20308 Children: Traditional deel
20309 Children: Unlined dress and skirts
20310 Children: Sport wear
20311 Children: Hat, neckwear
20312 Children: Trousers
20313 Children: T-shirts
20314 Children: Underwear
20315 Children: pants (pyjamas) and nightrobe
20316 Children: Socks
20317 Children: Tights
20318 Other children's clothing and footwear
20319 All sorts of clothing for children aged
20320 Wrapping and other articles for infants

20401 Hat, neckwear, gloves
20402 Tie, belts
20403 Handkerchief
20404 Sewing treads
20405 Other (ribbons, press-studs, zip-fasten
20501 Dry cleaning
20502 Laundering
20503 Dyeing of garments
20504 Mending, repair
20505 Hire of garments
20601 Winter shoes
20602 Spring or autumn shoes
20603 Summer shoes, boot
20604 Slippers
20605 Summer slippers
20606 Sport
20607 Traditional shoes and buriad shoes
20608 Felt
20609 Other footwear
20610 Footwear for children aged 0-2
20701 Repair of footwear
20702 Shoe cleaning services
20703 Cost for lease of shoes
20801 Woolen cloth, m
20802 Cloth Daalimba,m
20803 Tsagaan yambuu, m
20804 Cotton cloth, m
20805 Satin, m
20806 All kind of silk, m
20807 Synthetic, m
20808 Cotton, kg
20809 Carded wool
20810 Other.....
20901 Furnished and wooden beds
20902 Sofas
20903 Metal beds
20904 Wall and wardrobes
20905 Kitchen furnitures
20906 Bedroom furnitures
20907 Table and chairs
20908 Chest
20909 Electric lamp
20910 Painting and scultures
20911 Mattress
20912 Bath room accessories
20913 Mirror
20914 Beds for children
20915 Other furnitures and accessories
20916 Cost for repair and services
20917 Carpets
20918 Strip of carpet/mat
20919 Capping
20920 Oilcloth for the floor
20921 Other floor covering

20922 Cost for repair and services
21001 Curtains
21002 Bedsheets
21003 Bed covering
21004 Towel
21005 Bath towel
21006 Tablecloth
21007 Other woven, sewn and cloth appliances
21008 Cost for repair and services
21101 Refrigerators
21102 Vacuum cleaner
21103 Washing mashine
21104 Sewing mashine
21105 Electric and gas stove
21106 Electric heating
21107 Generators
21108 Electric fan
21109 Electric iron
21110 Electric ring/Electric hob
21111 Safe
21112 Other electric appliances (air conditio
21113 Cost for repair and services
21114 Coffee pot
21115 Rice cooker
21116 Bread roaster
21117 Water boiler and electric tea pot
21118 Other (Coffee mixer etc.)
21119 Cost for repair and services
21201 Glasses
21202 Ceramic ware/china-ware
21203 Vacuum flask
21204 Knife, spoon and fork
21205 Plastic utensils
21206 Metal and cast iron utensils
21207 Other utensils
21208 Cost for repair and services
21301 Saws
21302 Spade
21303 Rake
21304 Other (drill, nipper e.g)
21305 Door accessories (hinge e.g)
21306 Electric accessories (breaker, cable)
21307 Flashlight
21308 Lamp
21309 Battery
21310 Bell
21311 Signal accessories
21312 Other
21313 Cost of repair and service
21401 Laundry soap, piece
21402 Washing powder/detergent, piece
21403 Match, piece
21404 Candle, piece
21405 Shoe polish, piece

21406 Sterilization materials, kg
21407 Other cleaning materials
21408 Brush, besom, piece
21409 Garbage basin, piece
21410 Brush, polisher, piece
21411 Clothes-hanger, piece
21412 Needle for sewing and woven, piece
21413 Nails, nut, screw
21414 Glue, scotch tape
21415 Other tools
21416 House sweeper
21417 Cost disinfection and sterilization
21418 Dry cleaning
21419 Cost for lease of domestic goods
21501 Tablets, vitamins
21502 Injection
21503 Other(condoms,IUD, bandage, thermometer
21504 Eye glasses, contact lenses
21505 Other devices (hearing devices, artific
21506 Outpatients clinic examination
21507 Dental care
21508 Other medical services (to give an inje
21509 In patient
21601 Car
21602 Bus
21603 Trucks
21604 Motorcycle
21605 Bicycle
21606 Carting
21607 Repair and services of auto vehicles
21608 Wheels
21609 Spare parts of auto mobile
21610 Gasoline, diesel
21611 Other fuel
21612 Cost of repair and service
21613 Technical inspection and diagnostics
21614 Lease of garage
21615 Other (Charge for using roads, driving
21616 Cost for transportation rent
21701 Cost for bus and trolleybus
21702 Railway passenger service: Domestic
21703 Railway passenger service: Internationa
21704 Railway freight
21705 Taxi cost: Inside the city
21706 Road transportation service: inter-urba
21707 Road transport: Inside the city
21708 Road freight : Inter-urban
21709 Air: Domestic
21710 Air: International
21711 Luggage cost of air
21712 Cost for traveling by water transport
21713 Freight of water transport
21714 Other transports
21801 Letters, parcel, post card

21802 Stamps, envelope (new)
21803 Telephone, fax mashine
21804 Repair cost of telephone and fax mashin
21805 Calling: Inter-urban
21806 Calling: International
21807 Telephone charge
21808 Mobile/cell phone
21809 Service charge of telegraph, telex and
21810 Lease cost of telephone and fax
21811 Installing charge of equipments
21812 Calling card
21813 Charge for internet service
21901 Radio
21902 Black-white TV
21903 Color TV
21904 TV aerial
21905 Tape-recorder
21906 Video player
21907 Video camer
21908 Binoculars
21909 Camera
21910 Computer
21911 Calculator
21912 Audio and video cassette, CD
21913 Films
21914 Repair cost of above equipments
21915 Travel tools (boat etc)
21916 Musical instruments (guitar etc)
21917 Billiard board
21918 Repair cost of above tools
22001 Playing card
22002 Chess
22003 Puzzle
22004 Dolls
22005 Car
22006 Electric toys
22007 Other toys
22008 Collection (stamp-collection etc)
22009 Cassette with games, CD
22010 Sport tools (skiing etc)
22011 Gun
22012 Tent
22013 Live and artificial flowers
22014 Xristmas tree
22015 Pets
22016 Food for pets
22017 Shelter, tie and bowl of pets
22018 Services related to the pets(care, trea
22101 Driving lessons
22102 Fee for sport s group study
22103 Performance fee (cinema, drama, concert
22104 Service charge for puppet places
22105 Renting for sport tools
22106 Charge for radio and TV set (cabel TV)

22107 Develop and print out photo films
22108 Lottery
22201 Newspapers and journals
22202 Notebook
22203 Pen
22204 Pencil
22205 Books and dictionary
22206 Paper
22207 Other printed matters (post card, calen
22208 Other stationary (ink, erassor, folder
22301 Total cost for recreation and travel
22401 Tuition fee: pre-primary
22402 Tuition fee: primary
22403 Tuition fee: literacy programmes for st
22404 Tuition fee: secondary
22405 Tertiary
22406 Course
22501 Restaurants, cafes
22502 Canteens in schools, works canteens
22503 Accommodation services of hotels
22504 Accommodation services of holidays vill
22505 Accommodation services of boarding scho
22601 Toothbrush
22602 Tooth paste
22603 Beauty soap
22604 Toilet paper
22605 Sanitary nupkins
22606 Hairdressing
22607 Beauty salon
22608 Electric razors
22609 Hair dryier
22610 Other electric appliances
22611 Repair of such appliances
22612 Non-electrical razors
22613 Other non-electrical appliances
22614 Beauty powder
22615 Perfume
22616 Other beauty products
22701 Valuables
22702 Watches
22703 Repair for valuables
22704 Watch repair
22705 Suitcase
22706 Bag
22707 Wallet
22708 Babys cart, chair
22709 Tube, lighter, ash-tray
22710 Sun glasses, umbrella
22711 Appliances for funeral (coffin, stone e
22712 Repair of above appliances
22801 Service fees for caring elders and disa
22901 Health insurance
22902 Life insurance
22903 Dwelling insurance

22904 Transport insurance
22905 Other
23001 Fee for financial consultation
23002 Service fees for banks and other financ
23101 Fees for administrative documents (for
23102 Payment for the services of property ma
23103 Fees for legal services, employment age
23104 Charges for the leasing or rental
23105 Other services
23201 Wall paper, package
23202 Oil paint, l
23203 Bricks, piece
23204 Cement, kg
23205 Glass, m2
23206 Other.....
24101 Apartment
24102 House
24103 Ger (complete)
24104 Tent frame
24105 Tent covering
24106 Yard
24107 Stove
24108 Other
24201 Income tax
24202 Cattle tax
24203 Land tax
24204 Other taxes
24301 Gifts for individual
24302 Cost for celebration and wedding
24303 For church and temple
24304 For institution
24305 Other

4 cluster Cluster
5 aimag 2. Aimag
6 soum 3. Soum
7 location 4. Location
8 q1301 1301. Have you bought or received for the last 12 Ms
1 YES
2 NO
9 q1302 1302. Purchased during the past month
10 q1303 1303. Purchased during the past 12 months
11 q1304 1304. Received free during the past 12 months
12 q1305 13.05
13 quarter Quarter
14 interviewer 5.Interviewer
15 supervisor 6. Supervisor

16 ### Urban Diary.dta ###
1 identif group(identif)
2 cluster Cluster
3 aimag 2. Aimag
4 soum 3. Soum
5 location 4. Location

6 row14
7 item Food Item code
8 q1401_1 14.01_1 First 10 - Total consumed
9 q1401_2 14.01_2 First 10 - Purchased
10 q1401_3 14.01_3 First 10 - Reseived free
11 q1401_4 14.01_4 First 10 - Own production
12 q1402_1 14.02_1 Second 10 - Total consumed
13 q1402_2 14.02_2 Second 10 - Purchased
14 q1402_3 14.02_3 Second 10 - Reseived free
15 q1402_4 14.02_4 Second 10 - Own production
16 q1403_1 14.03_1 Third 10 - Total consumed
17 q1403_2 14.03_2 Third 10 - Purchased
18 q1403_3 14.03_3 Third 10 Reseived free
19 q1403_4 14.03_4 Third 10 Own production
20 q1404 1404 Average unit price
21 quarter Quarter
22 interviewer 5. Interviewer
23 supervisor 6. Supervisor

17 ### Rural Food 7 day.dta ###
1 identif group(identif)
2 row15
3 item Item Code
10101 Bread (1 piece = 670 gr) - piece
10102 Rice - Kg
10103 Flour, highest grade - Kg
10104 Flour, grade 1 - Kg
10105 Flour, grade 2 - Kg
10106 Other flour - Kg
10107 Noodle,domestic - Kg
10108 Noodle, import - Kg
10109 Bakery - Kg
10110 Biscuit - Kg
10111 Cake - Kg
10112 Millet - Kg
10113 Other rice (farina…) - Kg
10114 Pizza - Piece
10115 Other flour and flour products - Kg
10201 Mutton - Kg
10202 Beef - Kg
10203 Goat meat - Kg
10204 Horse meat - Kg
10205 Camel meat - Kg
10206 Dried meat - Kg
10207 chicken - Kg
10208 Pork - Kg
10209 Bacon - Kg
10210 Game - Kg
10211 Other poultry - Kg
10212 Animal interior - Kg
10213 Sausage,salami kg - Kg
10214 Sausage - Kg
10215 Canned meat - Kg

10216 Other meat, meat products - Kg
10301 Fish - Kg
10302 Dried, smoked, salted fish - Kg
10303 Canned fish - Kg
10304 Other fish and seafood - Kg
10401 Milk - Lt
10402 Youghurt - Lt
10403 Eggs - Nb
10404 Dried curds - Kg
10405 Horse milk, l - Lt
10406 Curds - Kg
10407 Cheese, national - Kg
10408 Cheese - Kg
10409 Curds - Kg
10410 Other milk products - Kg
10411 Dried and coffee milk - Kg
10412 Condensed milk - Lt
10413 Sour cream - Kg
10414 Dried eggs - Kg
10415 Other milk, cheese and eggs - N/A
10501 Butter - kg
10502 Margarine - kg
10503 Vegetable oil - Lt
10504 Edible animal fats - kg
10505 Cream - kg
10506 Melted butter - kg
10507 Olive oil - Lt
10508 Other oils and fats - kg
10601 Apple - Kg
10602 Mandarin - Kg
10603 Raisin,kg - Kg
10604 Other fresh fruit ,kg - Kg
10605 Wild fruit - Kg
10606 Dried fruit - Kg
10607 Wild nuts,kg - Kg
10608 Other nuts - Kg
10609 Other Fruits /watermelon etc./ - Kg
10701 Potato - Kg
10702 Cabbage - Kg
10703 Carrot - Kg
10704 Turnip - Kg
10705 Onion - Kg
10706 Garlic - Gr
10707 Tomato - Kg
10708 Cucumber - Kg
10709 Jelly sticks - Kg
10710 Canned cucumber - Kg
10711 Canned vegetable salad - Kg
10712 Pepper - Kg
10713 Mushrooms - Kg
10714 Other vegetables - Kg
10801 Sugar - Kg
10802 Lump sugar - Kg
10803 Sugar substitution - Gr

10804 Candy - Kg
10805 Sweet - Kg
10806 Chocolate - Gr
10807 Honey - Gr
10808 Compotes - Gr
10809 Jam - Gr
10810 Icecream - Gr
10811 Chewing gum - Piece
10812 Syrop - Gr
10813 Other (marmalades, sugar, jam) - N/A
10901 Salt - Gr
10902 Vinegar - Gr
10903 Ketchup - Gr
10904 Mayonnaise - kg
10905 Yeast - Gr
10906 Spice - Gr
10907 Babyfood - kg
10908 Other spices, other food - N/A
11001 Green tea - Gr
11002 Tea - Gr
11003 Coffee - Gr
11004 Cocoa - Gr
11005 Other tea, coffee - Gr
11101 Beverage - Lt
11102 Juice - Lt
11103 Pure water, bottled - Lt
11104 Other soft drinks - Lt
11201 Vodka, domestic - Lt
11202 Beer, domestic - Lt
11203 Vodka, imported - Lt
11204 Beer, imported - Lt
11205 Wine - Lt
11206 Other alcoholic beverages - Lt
11301 Cigarette, imported - Box
11302 Cigarette, domestic - Box
11303 Tobacco - Gr
11304 Snuff - Gr
11305 Other (tobacco) - Gr

4 cluster Cluster
5 aimag 2. Aimag
6 soum 3.Soum
7 location 4. Location
8 q1501 1501. Have you consumed food during the 7 days
9 q1502 1502. Total consumed in the past 7 days
10 q1503 1503. Consumed from purchases
11 q1504 1504. Unit price
12 q1505 1505. Consumed from Received free
13 q1506 1506. Consumed from Produced
14 quarter Quarter
15 interviewer 5. Interviewer
16 supervisor 6. Supervisor

18 ### Foodstuffs.dta ###

1 identif group(identif)
2 cluster Cluster
3 aimag 2. Aimag
4 soum 3. Soum
5 location 4. Location
6 q1601 (16.01)
1 OEEI
2 ¯A¯E
7 q1602 (16.02)
1 OEEI
2 ¯A¯E
8 q1603y (16.03)
9 q1603m
10 q1603d
11 q1604 (16.04)
12 q1605 (16.05)
1 OEEI
2 ¯A¯E
13 q1606 (16.06)
1 OEEI
2 ¯A¯E
14 q1607 (16.07)
1 OEEI
2 ¯A¯E
15 quarter Quarter
16 interviewer 5. Interviewer
17 supervisor 6. Supervisor

19 ### Foodout.dta ###
1 identif group(identif)
2 cluster Cluster
3 aimag 2. Aimag
4 soum 3. Soum
5 location 4. Location
6 item item
22501 Restaurants, cafes
22502 Canteens in schools, works canteens
7 q1507
1 YES
2 NO
8 q1508 14.06/ 15.08
9 q1509 14.07/ 15.09
10 quarter Quarter
11 interviewer 5. Interviewer
12 supervisor 6. Supervisor

20 ### Basicvars.dta ###
1 identif group(identif)
2 cluster Cluster
3 newaimag New code of aimag
11 Ulaanbaatar

```
                                21 Dornod
                                22 Sukhbaatar
                                23 Khentii
                                41 Tov
                                42 Govisumber
                                43 Selenge
                                44 Dornogovi
                                45 Darkhan-Uul
                                46 Omnogovi
                                48 Dundgovi
                                61 Orkhon
                                62 Ovorkhangai
                                63 Bulgan
                                64 Bayankhongor
                                65 Arkhangai
                                67 Khovsgol
                                81 Zavkhan
                                82 Govi-Altai
                                83 Bayan-Olgii
                                84 Khovd
                                85 Uvs
 4 location     Strata 4 locations
 5 urban        Urban/rural
                                1 Urban
                                2 Rural
 6 region       Region
                                1 West
                                2 Highlands
                                3 Central
                                4 East
                                5 Ulaanbaatar
 7 month        Calendar month of the interview
 8 quarter      Calendar quarter of the interview
 9 strata       Strata 3
10 hhweight     Last weight
11 hhsize       Household size
12 aimagsoum    Combinations of aimags and soums
>
```

References

- The variable of newaimag in “Basicvars.dta” is the same as “aimag”.

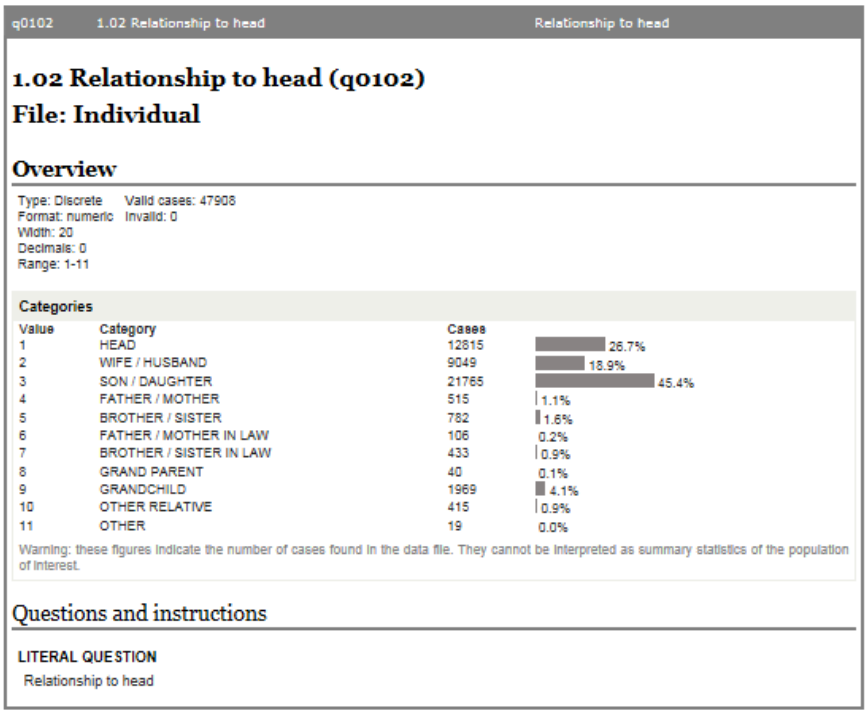
```
> dim(outfiles[[1]])
[1] 12811    88
> dim(outfiles[[20]])
[1] 12811    12
> table(outfiles[[1]]$identif==outfiles[[20]]$identif)
 TRUE
12811
> table(outfiles[[1]]$aimag==outfiles[[20]]$newaimag)
 TRUE
12811
```

- The item codes of “Urban Diary.dta” and “Rural Food 7 day.dta” are consistent.

```
> length(unique(outfiles[[16]]$item))
[1] 123
> length(unique(outfiles[[17]]$item))
[1] 123
> setdiff(unique(outfiles[[16]]$item),unique(outfiles[[17]]$item))
integer(0)
> setdiff(unique(outfiles[[17]]$item),unique(outfiles[[16]]$item))
integer(0)
```

- The value label of “7 BROTHER/SISTER IN LAW” should be read as “7 SON?DAUGHTER IN LAW”.

HSES 2012



q0102 1.02 Relationship to head — Relationship to head

1.02 Relationship to head (q0102)
File: Individual

Overview

Type: Discrete Valid cases: 47908
Format: numeric Invalid: 0
Width: 20
Decimals: 0
Range: 1-11

Categories

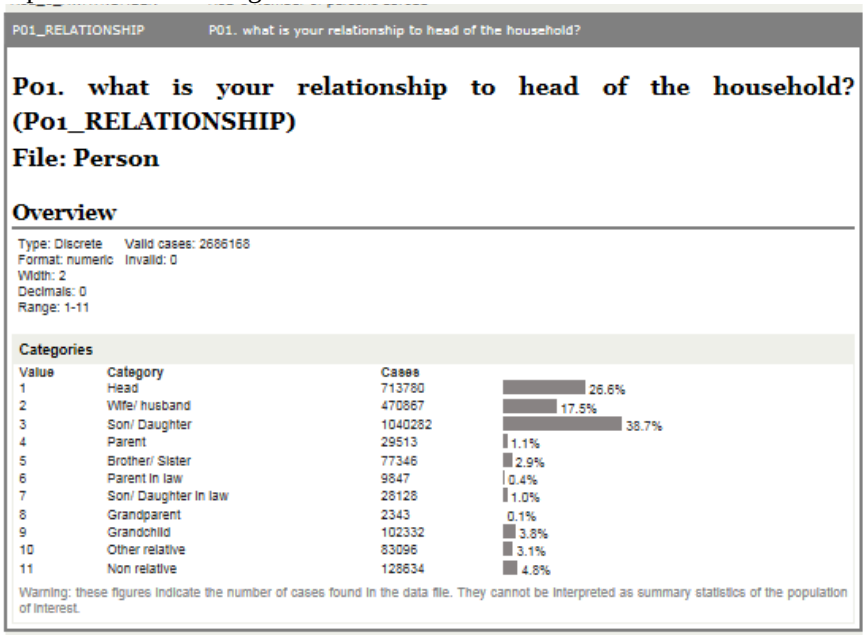
Value	Category	Cases	
1	HEAD	12815	26.7%
2	WIFE / HUSBAND	9049	18.9%
3	SON / DAUGHTER	21765	45.4%
4	FATHER / MOTHER	515	1.1%
5	BROTHER / SISTER	782	1.6%
6	FATHER / MOTHER IN LAW	106	0.2%
7	BROTHER / SISTER IN LAW	433	0.9%
8	GRAND PARENT	40	0.1%
9	GRANDCHILD	1969	4.1%
10	OTHER RELATIVE	415	0.9%
11	OTHER	19	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Questions and instructions

LITERAL QUESTION
Relationship to head

Population and housing census 2010



P01_RELATIONSHIP P01. what is your relationship to head of the household?

Po1. what is your relationship to head of the household? (Po1_RELATIONSHIP)

File: Person

Overview

Type: Discrete Valid cases: 2686168
Format: numeric Invalid: 0
Width: 2
Decimals: 0
Range: 1-11

Categories

Value	Category	Cases	
1	Head	713780	26.6%
2	Wife/ husband	470867	17.5%
3	Son/ Daughter	1040282	38.7%
4	Parent	29513	1.1%
5	Brother/ Sister	77346	2.9%
6	Parent in law	9847	0.4%
7	Son/ Daughter in law	28128	1.0%
8	Grandparent	2343	0.1%
9	Grandchild	102332	3.8%
10	Other relative	83096	3.1%
11	Non relative	128634	4.8%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Note: “SON/DAUGHTER IN LAW” is correctly displayed in HSES 2012 questionnaire in English.

- The delegates from Mongolia to the workshop agreed to the above point.

4.3 Identifier

Household identifier

```
> d<-outfiles[[20]]  # Basicvars
> dim(d)
[1] 12811    12
```

- The variable of "identif" is unique identifier and the number of unique "identif" is 12,811.

```
> length(unique(d$identif))
[1] 12811
> sum(duplicated(d$identif))
[1] 0
```

Person identifier

- Person identifier is the combination of "identif" and "ind_id" for data frames of "Individual".

```
# Generated person identifier "PID".
```

02 Individual

- PID in data frame "Individual" is unique.

```
> df<-outfiles[[2]]
> dim(df)
[1] 47908   129
> df$PID<-df$identif*100+df$ind_id
> head(df[,c(1:2,130)])
  identif ind_id PID
1       1      1 101
2       1      2 102
3       1      3 103
4       2      1 201
5       2      2 202
6       2      3 203

> sum(duplicated(df$PID))
[1] 0

> outfiles[[2]]<-df
```

10 Remittance

- PID in data frame "Remittance" is not unique.
  There are 303 duplicated PID in data frame "Remittance".

```
> df<-outfiles[[10]]
> dim(df)
[1] 3670   17
> df$PID<-df$identif*100+df$ind_id
> head(df[,c(1,7,18)])
```

```
  identif ind_id   PID
1      13      1  1301
2     160      1 16001
3     167      1 16701
4     176      5 17605
5     186      1 18601
6     189      1 18901

> sum(duplicated(df$PID))
[1] 303

# Example of duplicated PID
> head(df[duplicated(df$PID),])
   identif ln cluster aimag soum location ind_id q0909 q0910 q0911 q0912
32     467  2     226    82    1        2      1     4     2     3    NA
65     591  2     284    21   28        4      1     4     5     1    NA
68     596  2     284    21   28        4      1     4     5     1    NA
73     604  2     285    21   28        4      1     4     5     2    NA
75     605  2     286    21   28        4      1     4     5     3    NA
78     613  2     289    21    1        2      2     4     1     3    NA
     q0913 q0914 q0915 quarter interviewer supervisor   PID
32 1000000     5     2       1           2         82 46701
65  500000     4     3       1           1         21 59101
68  700000     4     3       1           1         21 59601
73  400000     4     4       1           1         21 60401
75  300000     4     3       1           1         21 60501
78  500000     5     4       1           2         21 61302

> df[df$identif==467,]
   identif ln cluster aimag soum location ind_id q0909 q0910 q0911 q0912
31     467  1     226    82    1        2      1     4     1     3    NA
32     467  2     226    82    1        2      1     4     2     3    NA
     q0913 q0914 q0915 quarter interviewer supervisor   PID
31 1020000     2     1       1           2         82 46701
32 1000000     5     2       1           2         82 46701

Summary: The person with PID=46701 received two kind of remittance.



> outfiles[[10]]<-df
```

4.4 Weight

- The variable of household weight is “hhweight” in data frame “Basicvars”.
- The estimated number of household is 739,058.

```
> sum(d$hhweight)
[1] 739058.2
```

- The estimated number of household members is 2,688,597, based on “Basicvars” file.

```
> sum(d$hhweight*d$hhsize)
[1] 2688597
```

- The estimated number of household members is 2,688,597, based on “Individual” file.

```
> df<-outfiles[[2]]
> dim(df)
[1] 47908   130
> df<-merge(df,d[,c("identif","hhweight")],by="identif",all.x=T)
> dim(df)
[1] 47908   131

# Selected household members
> df<-subset(df,q0111==1)
> dim(df)
[1] 46648   131
> sum(df$hhweight)
[1] 2688597

> nrow(df)/nrow(d)
[1] 3.641246
> sum(d$hhweight*d$hhsize)/sum(d$hhweight)
[1] 3.637869
```

	Un-weighted	Weighted
Number of households	12,818	739,058
Number of household members	46,648	2,688,597
Household size	3.64	3.64

Chapter 5. Data Check

5.1 Structure of each data file

```
> Rnames<-sub(".dta","",STATA.files)
> for(j in 1:20){
+ cat("##",j,"#### ",Rnames[j]," #########¥n")
+ print(str(outfiles[[j]]))
+ cat("¥n¥n")
+ }

## 1 ####  Household  #########
'data.frame':   12811 obs. of  88 variables:
 $ identif    : int  1 2 3 4 5 6 7 8 9 10 ...
 $ year       : int  12 12 12 12 12 12 12 12 12 12 ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ cluster    : int  1 1 1 1 1 1 1 1 6 6 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  4 3 4 3 4 4 3 4 3 3 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 $ operator   : int  65 65 65 65 65 65 65 65 65 65 ...
 $ q0008      : int  3 4 3 4 5 6 8 4 5 6 ...
 $ hh_no      : int  2 3 4 5 6 7 8 12 1 2 ...
 $ q0009      : int  1 1 1 1 1 1 1 3 1 1 ...
 $ q0010      : int  1 1 1 1 1 1 1 1 1 1 ...
 $ v1_dd      : int  20 21 20 21 19 19 22 22 31 30 ...
 $ v1_mm      : int  3 3 3 3 3 3 3 3 1 1 ...
 $ v1_yy      : int  12 12 12 12 12 12 12 12 12 12 ...
 $ v1_res     : int  1 1 1 1 1 1 1 1 1 1 ...
 $ v2_dd      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ v2_mm      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ v2_yy      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ v2_res     : int  NA NA NA NA NA NA NA NA NA NA ...
 $ v3_dd      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ v3_mm      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ v3_yy      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ v3_res     : int  NA NA NA NA NA NA NA NA NA NA ...
 $ v4_dd      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ v4_mm      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ v4_yy      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ v4_res     : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0701      : int  1 1 1 2 1 1 2 1 2 2 ...
 $ q0707      : int  1 1 1 NA 1 1 NA 1 NA NA ...
 $ q0715      : int  2 2 2 2 2 2 2 2 2 2 ...
 $ q0716      : num  NA NA NA NA NA NA NA NA NA NA ...
 $ q0717      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0718      : num  NA NA NA NA NA NA NA NA NA NA ...
 $ q0801      : int  2 2 2 2 2 2 2 2 2 2 ...
 $ q0802      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0907      : int  2 2 2 2 2 2 2 2 2 2 ...
 $ q1001      : int  2 2 2 2 2 2 2 2 2 2 ...
 $ q1002      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q1003      : int  2 1 2 2 2 1 2 1 1 2 ...
```

```
$ q1004      : int  NA 1 NA NA NA 1 NA 1 1 NA ...
$ visitor    : int  0 0 0 0 0 0 0 0 0 0 ...
$ ndays      : int  0 0 0 0 0 0 0 0 0 0 ...
$ q1101      : int  1 1 1 1 1 1 1 1 1 1 ...
$ q1102      : int  1 1 1 1 1 1 1 1 1 1 ...
$ q1103      : int  1 4 1 1 1 1 3 1 3 1 ...
$ q1104      : int  NA 1 NA NA NA NA NA NA 1 NA ...
$ q1105      : int  NA 3 NA NA NA NA NA NA 3 NA ...
$ q1106      : int  NA 1 NA NA NA NA NA NA 2 NA ...
$ q1107      : int  NA 1 NA NA NA NA NA NA 1 NA ...
$ q1108      : num  NA 20 NA NA NA NA NA NA 30 NA ...
$ q1109      : num  NA 28 NA NA NA NA NA NA 40 NA ...
$ q1110      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q1111      : int  5 NA 5 5 5 5 5 5 NA 4 ...
$ q1112      : int  1 NA 1 1 2 2 1 2 NA 2 ...
$ q1113      : int  1 NA 1 1 2 2 1 2 NA 2 ...
$ q1114      : int  2 NA 2 2 2 2 2 2 NA 1 ...
$ q1115      : int  3 5 9 12 15 11 16 15 6 5 ...
$ q1116      : int  3 5 9 12 15 11 16 15 6 5 ...
$ q1117      : int  3 3 3 3 3 3 3 3 3 3 ...
$ q1118      : int  4 4 4 4 4 4 4 4 5 4 ...
$ q1119      : int  2 2 2 2 2 2 2 2 2 2 ...
$ q1120      : int  99 99 99 99 99 99 99 99 99 99 ...
$ q1121      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q1122      : int  4 4 4 4 4 4 4 4 4 4 ...
$ q1123      : int  3 1 6 1 3 3 1 3 1 1 ...
$ q1124      : int  2 1 2 1 1 2 1 2 1 1 ...
$ q1125      : int  6 3 6 3 6 6 3 6 3 3 ...
$ q1126      : int  4 3 4 3 4 4 3 4 4 3 ...
$ q1127      : int  4 2 4 2 3 4 2 3 2 2 ...
$ q1128      : int  4 3 4 3 4 4 2 3 3 3 ...
$ q1129      : int  1 1 1 4 1 4 1 4 1 4 ...
$ q1130_1    : num  50 1 45 1 30 45 1.5 30 1 1 ...
$ q1130_2    : num  50 1 45 1 30 45 1.5 30 1 1 ...
$ q1130_3    : num  50 1 45 1 30 45 1.5 30 1 1 ...
$ q1130_4    : num  0 1 0 1 0 0 1 0 1 1 ...
$ q1131      : int  2 1 2 2 2 2 2 2 1 2 ...
$ q1132a     : int  NA 700 NA NA NA NA NA NA 700 NA ...
$ q1132b     : int  NA 0 NA NA NA NA NA NA 0 NA ...
$ q1133      : int  2 2 2 2 2 2 2 2 2 2 ...
$ q1134      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q1135_1    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q1135_2    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q1135_3    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q1135_4    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q1135_5    : int  NA NA NA NA NA NA NA NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr "31 Jul 2013 08:12"
- attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
- attr(*, "types")= int  252 251 251 252 251 251 251 251 251 251 ...
- attr(*, "val.labels")= Named chr  "" "" "" "" ...
 ..- attr(*, "names")= chr  "" "" "" "" ...
- attr(*, "var.labels")= chr  "group(identif)" "Year" "Quarter" "Cluster" ...
- attr(*, "version")= int 113
- attr(*, "label.table")=List of 41
 ..$ q1135_5 : Named int  1 2
```

```
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q1135_4 : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q1135_3 : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q1135_2 : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q1135_1 : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q1133   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q1131   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q1129   : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "YES, LAND LINE PHONE" "YES, MOBILE PHONE" "YES, BOTH LAND AND MOBILE
PHONE" "NO"
  ..$ q1128   : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "SEPARATE" "PUBLIC" "OUTSIDE THE DWELLING" "NO TOILET"
  ..$ q1127   : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "" "" "NO SPECIAL PLACE" "OTHERS"
  ..$ q1125   : Named int  1 2 3 4 5 6 7 8
  .. ..- attr(*, "names")= chr  "CENTRALIZED: HOT & COLD WATER PIPE" "CENTRALIZED: COLD WATER PIPE
ONLY" "PROTECTED WELL" "UNPROTECTED WELL" ...
  ..$ q1124   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q1123   : Named int  1 2 3 4 5 6 7
  .. ..- attr(*, "names")= chr  "CENTRAL SYSTEM " "LOCAL SYSTEM/DIESEL STATION " "SOLAR SUSTEM "
"WIND SYSTEM " ...
  ..$ q1122   : Named int  1 2 3 4 5
  .. ..- attr(*, "names")= chr  "CENTRALIZED" "TRADITIONAL FIRE WOOD/COAL/ DUNG STOVE" "PRIVATE
ELECTRICAL HEATER" "PRIVATE LOW PRESSURE BOILER" ...
  ..$ q1120   : Named int 99
  .. ..- attr(*, "names")= chr "***Undefined Label"
  ..$ q1119   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q1118   : Named int  1 2 3 4 5 6 7
  .. ..- attr(*, "names")= chr  "RENTING " "INHERITED " "GIFT " "BUILT BY  OURSELVES " ...
  ..$ q1117   : Named int  1 2 3
  .. ..- attr(*, "names")= chr  "STATE " "ORGANIZATION'S" "PRIVATE "
  ..$ q1115   : Named int 99
  .. ..- attr(*, "names")= chr "***Undefined Label"
  ..$ q1114   : Named int  1 2 3
  .. ..- attr(*, "names")= chr  "WOOD" "EARTH" "OTHER"
  ..$ q1113   : Named int  1 2
  .. ..- attr(*, "names")= chr  "SINGLE" "DOUBLE"
  ..$ q1112   : Named int  1 2
  .. ..- attr(*, "names")= chr  "SINGLE" "DOUBLE"
  ..$ q1107   : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "WOOD" "CEMENT" "EARTH" "OTHER"
  ..$ q1106   : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "METAL" "ASPHALT ROOF SHINGLES" "TILE" "OTHER"
  ..$ q1105   : Named int  1 2 3 4 5
  .. ..- attr(*, "names")= chr  "BRICKS" "CEMENT" "WOOD" "STONE" ...
  ..$ q1103   : Named int  1 2 3 4 5 6 7 8 9
  .. ..- attr(*, "names")= chr  "GER" "APARTMENT" "BUILDING" "DETACHED HOUSE" ...
  ..$ q1102   : Named int  1 2
```

```
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q1003   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q1001   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q0907   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q0801   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q0717   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q0715   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q0707   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ q0701   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES " "NO "
  ..$ v4_res  : Named int  1 2 3 4 5 6 7
  .. ..- attr(*, "names")= chr  "COMPLETE " "PARTIALLY COMPLETED" "NO RESPONDENT IN THE HOUSEHOLD"
"HOUSEHOLD TEMPERARILY NOT PRESENT" ...
  ..$ v3_res  : Named int  1 2 3 4 5 6 7
  .. ..- attr(*, "names")= chr  "COMPLETE " "PARTIALLY COMPLETED" "NO RESPONDENT IN THE HOUSEHOLD"
"HOUSEHOLD TEMPERARILY NOT PRESENT" ...
  ..$ v2_res  : Named int  1 2 3 4 5 6 7
  .. ..- attr(*, "names")= chr  "COMPLETE " "PARTIALLY COMPLETED" "NO RESPONDENT IN THE HOUSEHOLD"
"HOUSEHOLD TEMPERARILY NOT PRESENT" ...
  ..$ v1_res  : Named int  1 2 3 4 5 6 7
  .. ..- attr(*, "names")= chr  "COMPLETE " "PARTIALLY COMPLETED" "NO RESPONDENT IN THE HOUSEHOLD"
"HOUSEHOLD TEMPERARILY NOT PRESENT" ...
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  12811 88
NULL


## 2 ####  Individual  #########
'data.frame':   47908 obs. of  130 variables:
 $ identif    : int  1 1 1 2 2 2 2 3 3 3 ...
 $ ind_id     : int  1 2 3 1 2 3 4 1 2 3 ...
 $ cluster    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  4 4 4 3 3 3 3 4 4 4 ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 $ q0102      : int  1 2 3 1 2 3 3 1 2 3 ...
 $ q0103      : int  1 2 2 1 2 2 1 1 2 2 ...
 $ q0104      : int  1988 1988 2009 1987 1983 2006 2010 1984 1984 2003 ...
 $ q0105y     : int  23 23 3 25 28 6 2 28 28 8 ...
 $ q0105m     : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0106      : int  2 2 NA 2 2 NA NA 2 2 NA ...
```

```
$ q0107      : int  2 1 NA 2 1 NA NA 2 1 NA ...
$ q0108      : int  99 99 1 99 99 1 1 99 99 1 ...
$ q0109      : int  99 99 2 99 99 2 2 99 99 2 ...
$ q0110a     : int  0 0 0 0 0 0 0 0 0 0 ...
$ q0110      : int  0 0 0 0 0 0 0 0 0 0 ...
$ q0111      : int  1 1 1 1 1 1 1 1 1 1 ...
$ q0201      : int  2 2 1 2 2 1 1 2 2 2 ...
$ q0202      : int  NA NA 1 NA NA 2 2 NA NA NA ...
$ q0203      : int  NA NA 2 NA NA 2 2 NA NA NA ...
$ q0204      : int  NA NA 4 NA NA 1 4 NA NA NA ...
$ q0205      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0206_1    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0206_2    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0206_3    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0206_4    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0206_5    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0207      : int  1 1 2 1 1 1 2 1 1 1 ...
$ q0208      : int  1 2 NA 1 2 2 NA 2 1 2 ...
$ q0209      : int  NA 1 NA NA 1 1 NA 2 NA 2 ...
$ q0210      : int  2 4 NA 2 8 1 NA 2 2 1 ...
$ q0211      : int  1 NA NA 2 NA 2 NA 2 2 2 ...
$ q0212      : int  4 4 NA 4 4 1 NA 4 4 1 ...
$ q0213      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0214      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0215      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0216t     : int  NA NA NA NA NA 1 NA NA NA 1 ...
$ q0216g     : int  NA NA NA NA NA 1 NA NA NA 3 ...
$ q0217      : int  NA NA NA NA NA 1 NA NA NA 1 ...
$ q0218      : int  NA NA NA NA NA 3 NA NA NA 2 ...
$ q0219      : int  NA NA NA NA NA 1 NA NA NA 4 ...
$ q0220      : num  NA NA NA NA NA 1 NA NA NA 1 ...
$ q0221      : int  NA NA NA NA NA 5 NA NA NA 10 ...
$ q0222      : int  NA NA NA NA NA 2 NA NA NA 2 ...
$ q0223      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0224      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0225      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0226_1    : int  NA NA NA NA NA 0 NA NA NA 0 ...
$ q0226_2    : int  NA NA NA NA NA 0 NA NA NA 0 ...
$ q0226_3    : int  NA NA NA NA NA 60000 NA NA NA 60000 ...
$ q0226_4    : int  NA NA NA NA NA 18000 NA NA NA 18000 ...
$ q0226_5    : int  NA NA NA NA NA 0 NA NA NA 0 ...
$ q0226_6    : int  NA NA NA NA NA 0 NA NA NA 0 ...
$ q0226_7    : int  NA NA NA NA NA 78000 NA NA NA 78000 ...
$ q0301      : int  1 2 2 1 2 2 2 2 1 2 ...
$ q0302      : int  NA 1 1 NA 1 1 1 2 NA 2 ...
$ q0303      : int  1 1 1 1 1 1 1 2 2 2 ...
$ q0304      : int  NA NA NA NA NA NA NA 1 2 2 ...
$ q0305      : int  2 2 2 2 2 2 2 2 2 2 ...
$ q0306      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0307      : int  2 2 2 2 2 2 2 2 2 2 ...
$ q0308_1    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0308_2    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0309      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0310      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0311      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q0312      : int  NA NA NA NA NA NA NA NA NA NA ...
```

```
 $ q0313      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0314a     : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0314b     : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0315      : int  2 2 2 2 2 2 2 2 2 2 ...
 $ q0316      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0317      : int  2 2 2 2 2 2 2 2 2 2 ...
 $ q0318      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0319      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0320      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0321      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0322      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0323      : int  2 2 1 2 2 2 2 2 2 2 ...
 $ q0324      : int  2 2 2 2 2 2 2 2 2 2 ...
 $ q0325      : int  2 2 2 2 2 2 2 2 2 2 ...
 $ q0401      : int  2 1 2 2 1 2 2 2 1 2 ...
 $ q0402      : int  NA 2 NA NA 2 NA NA NA 1 NA ...
 $ q0403      : int  NA NA NA NA NA NA NA NA 1 NA ...
 $ q0404      : int  NA NA NA NA NA NA NA NA 2 NA ...
 $ q0405      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0406      : int  NA NA NA NA NA NA NA NA 2 NA ...
 $ q0407      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0501      : int  1 1 2 1 1 2 2 1 1 2 ...
 $ q0502      : int  1 1 NA 1 1 NA NA 1 2 NA ...
 $ q0503      : int  2 2 NA 2 2 NA NA 2 NA NA ...
 $ q0504      : int  NA NA NA NA NA NA NA NA 4 NA ...
 $ q0505      : int  NA NA NA NA NA NA NA NA 3 NA ...
 $ q0506      : int  NA NA NA NA NA NA NA NA 2003 NA ...
 $ q0507      : int  NA NA NA NA NA NA NA NA 1 NA ...
  [list output truncated]
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:20"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 251 252 251 251 251 251 251 251 251 ...
 - attr(*, "val.labels")= Named chr  "" "" "" "aimag" ...
  ..- attr(*, "names")= chr  "" "" "" "aimag" ...
 - attr(*, "var.labels")= chr  "group(identif)" "Ind_id" "Cluster" "Aimag" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 64
  ..$ q0618   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0616   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0615   : Named int  1 2 3 4 5 6 7 8 9
  .. ..- attr(*, "names")= chr  "IaOaDEaE" "OIDOII" "OOAUOAAO EIIIAIE" "OsCAAADEAAAIAE
OADEOOEAAAOAE EIIIAIE" ...
  ..$ q0611   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0610   : Named int  1 2 3 4 5 6 7 8
  .. ..- attr(*, "names")= chr  "ITOOAI/NODAA×" "aIAaD IANOAE" "AYDEEI AAEEOAE ,  O¯¯¯OYA
ANADAAA" "AAEE O¯¯EYYA AAEAAA" ...
  ..$ q0609   : Named int  1 2 3 4 5 6
  .. ..- attr(*, "names")= chr  "OaAaEIaD, OAEAIA, ¯¯EE×EEAYYIEE OYEOYNO OAIANAI" "IAEC, IaOaA,
OAIAAOAI NAAAIAAANAA OONEAIA O¯¯NNYI" "OYAEYE, IYAYYEEEEI CADUI AAAOO OAENAI" "NIIEIA aaDaa CADEAE
aANaI" ...
  ..$ q0608   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
```

```
  ..$ q0607   : Named int  1 2 3 4 5 6 7 8
  .. ..- attr(*, "names")= chr  "aA×OYE" "AEDYINYI" "AONAUA ANADNAI" "AIAD× AAENAI" ...
  ..$ q0606   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0605   : Named int  1 2 3 4 5
  .. ..- attr(*, "names")= chr  "OAEEIOAE AAEE" "OAEEI OaENA¯¯E AAEE" "IAE AA AOOE" "AACAD
OADEAEAI" ...
  ..$ q0604   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0602   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0601   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0407   : Named int  1 2 3 4 5 6 7 8 9 10 ...
  .. ..- attr(*, "names")= chr  "YI" "ADaIAaA" "NOOEAAO" "OADEA" ...
  ..$ q0406   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0405   : Named int  1 2 3 4 5
  .. ..- attr(*, "names")= chr  "WAGE JOB" "UNPAID WORK" "SELF EMPLOYED  HERDING" "SELF EMPLOYED
AGRICULTURE" ...
  ..$ q0404   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0403   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0402   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0401   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0325   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0324   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0323   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0319   : Named int  1 2 3 4 5 6
  .. ..- attr(*, "names")= chr  "IYDAYAEEEI  EO YI×" "aDOEEI YI×" "NOAEEAA×" "AADEA×" ...
  ..$ q0318   : Named int  1 2 3 4 5 6
  .. ..- attr(*, "names")= chr  "EEEIEEEEI AIEII OaDaEANaI IYDAYAEEEI YIIYEYA" "AEIAA/ A¯¯¯¯DAEEI
IYAANYI YIIYEYA" "NOI, NOI AOIAUI AIEII aDOEEI YIIYEYA" "OOAEEI" ...
  ..$ q0317   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0313   : Named int  1 2 3 4 5 6
  .. ..- attr(*, "names")= chr  "CENTRAL HOSPITAL/CLINIC " "AIMAG/DISTRICT CLINIC " "SOUM CENTER
FAMILY CLINIC " "PRIVATE " ...
  ..$ q0312   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0310   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0308_2 : Named int  1 2 3 4 5 6
  .. ..- attr(*, "names")= chr  "SPECIALISED DOCTOR" "FAMILY DOCTOR" "MEDSISTER" "CHIROPRACTOR" ...
  ..$ q0308_1 : Named int  1 2 3 4 5 6
  .. ..- attr(*, "names")= chr  "SPECIALISED DOCTOR" "FAMILY DOCTOR" "MEDSISTER" "CHIROPRACTOR" ...
  ..$ q0307   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0306   : Named int  1 2 3 4 5 6 7 8 9 10 ...
  .. ..- attr(*, "names")= chr  "NOT SERIOUS ENOUGH " "HEALTH FACILITY TOO FAR " "NO TRANSPORTATION
```

```
" "HEALTH CARE TOO EXPENSIVE " ...
  ..$ q0305   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0304   : Named int  1 2 3 4 5 6
  .. ..- attr(*, "names")= chr  "RESPIRATORY SYSTEM" "DIGESTIVE SYSTEM" "URINARY AND SEXUAL ORGAN"
"BLOOD CIRCULATION SYSTEM" ...
  ..$ q0303   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0301   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0224   : Named int  1 2 3 4 5 6 7
  .. ..- attr(*, "names")= chr  "NODAAEOUI OaDEEI NAI" "AAIA, AAIE" "OAA" "YOYA YO, OaDaE NAAAI" ...
  ..$ q0223   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ q0222   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0219   : Named int  1 2 3 4 5
  .. ..- attr(*, "names")= chr  "HOME" "GER APPART FROM HH" "DORMITORY" "RELATIVES" ...
  ..$ q0218   : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "CAPITAL CITY" "AIMAG CENTER" "SOUM CENTER" "ABROAD"
  ..$ q0217   : Named int  1 2 3
  .. ..- attr(*, "names")= chr  "PUBLIC " "PRIVATE " "OTHER "
  ..$ q0216t  : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "GENERAL" "VOCATIONAL" "COLLEGE, UNIVERSITY" "OTHER
(ECLE-SIASTICAL, NON FORMAL)"
  ..$ q0215   : Named int  1 2 3 4 5 6 7 8 9 10 ...
  .. ..- attr(*, "names")= chr  "CHILD NOT INTRESTED" "PARENTS NOT INTERESTED" "DIFFICULT TRAINING"
"POOR TRAINING QUALITY" ...
  ..$ q0214   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0212   : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "YES" "NO, DROPPEDOUT" "NO, NEVER ATTENDED" "NO, COMPLETED"
  ..$ q0211   : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "YES, EASILY" "YES, WITH DIFFICULTY" "NO" ""
  ..$ q0210   : Named int  1 2 3 4 5 6 7 8 9 10
  .. ..- attr(*, "names")= chr  "NONE" "PRIMARY" "SECONDARY" "COMPLETE SECONDARY" ...
  ..$ q0208   : Named int  1 2 3 4 5 6 7 8 9 10 ...
  .. ..- attr(*, "names")= chr  "CHILD NOT INTRESTED" "PARENTS NOT INTERESTED" "DIFFICULT TRAINING"
"POOR TRAINING QUALITY" ...
  ..$ q0207   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0205   : Named int  1 2 3
  .. ..- attr(*, "names")= chr  "YES, EASILY" "YES, WITH DIFFICULTY" "NO"
  ..$ q0204   : Named int  1 2 3 4 5 6 7 8 9 10
  .. ..- attr(*, "names")= chr  "NONE" "PRIMARY" "SECONDARY" "COMPLETE SECONDARY" ...
  ..$ q0202   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0201   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0111   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ q0109   : Named int  98 99
  .. ..- attr(*, "names")= chr  "***Undefined Label" "***Undefined Label"
  ..$ q0108   : Named int  98 99
  .. ..- attr(*, "names")= chr  "***Undefined Label" "***Undefined Label"
  ..$ q0107   : Named int 98
```

```
  .. ..- attr(*, "names")= chr "***Undefined Label"
  ..$ q0106   : Named int  1 2 3 4 5 6
  .. ..- attr(*, "names")= chr  "MARRIED" "LIVING TOGETHER" "SEPARATED" "DIVORCED" ...
  ..$ q0103   : Named int  1 2
  .. ..- attr(*, "names")= chr  "MALE" "FEMALE"
  ..$ q0102   : Named int  1 2 3 4 5 6 7 8 9 10 ...
  .. ..- attr(*, "names")= chr  "HEAD" "WIFE / HUSBAND" "SON / DAUGHTER" "FATHER / MOTHER" ...
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  47908 129
NULL


## 3 ####  Llivestock  #########
'data.frame':   14498 obs. of  15 variables:
 $ identif    : int  1 1 1 1 2 2 2 2 3 3 ...
 $ ani_id     : int  1 2 4 5 1 2 4 5 1 2 ...
 $ cluster    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  4 4 4 4 3 3 3 3 4 4 ...
 $ q0702_1    : int  41 12 60 80 60 40 160 120 8 8 ...
 $ q0702_2    : int  12 4 30 50 19 11 56 30 4 3 ...
 $ q0702_3    : int  8 1 20 30 11 5 46 16 4 2 ...
 $ q0703      : int  1 0 10 10 1 1 5 5 1 1 ...
 $ q0704      : int  0 0 0 0 0 0 20 0 1 0 ...
 $ q0705      : int  0 0 0 0 0 0 1400000 0 500000 0 ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:22"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 251 252 251 251 251 252 252 252 252 ...
 - attr(*, "val.labels")= Named chr  "" "ani_id" "" "aimag" ...
  ..- attr(*, "names")= chr  "" "ani_id" "" "aimag" ...
 - attr(*, "var.labels")= chr  "group(identif)" "animal" "Cluster" "2. Aimag" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 3
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
  ..$ ani_id  : Named int  1 2 3 4 5 6
  .. ..- attr(*, "names")= chr  "Cattle" "Horses" "Camels" "Sheep" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  14498 15
NULL


## 4 ####  Livestock Expenditure  #########
```

```
'data.frame':   9011 obs. of  10 variables:
 $ identif    : int  1 1 2 2 2 3 3 5 5 6 ...
 $ exp_id     : int  1 2 1 2 3 1 2 1 2 1 ...
 $ cluster    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  4 4 3 3 3 4 4 4 4 4 ...
 $ q0706      : int  50000 50000 40000 110000 240000 30000 50000 100000 60000 40000 ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:22"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 251 252 251 251 251 253 251 251 251
 - attr(*, "val.labels")= Named chr  "" "exp_id" "" "aimag" ...
  ..- attr(*, "names")= chr  "" "exp_id" "" "aimag" ...
 - attr(*, "var.labels")= chr  "group(identif)" "ani_exp" "Cluster" "2. Aimag" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 3
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
  ..$ exp_id  : Named int  1 2 3 4 5 6 7
  .. ..- attr(*, "names")= chr  "Animal Feed" "Drugs and veterinary costs" "Gassoline/ Oil" "Taxes
and Insurance" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  9011 10
NULL


## 5 ####  Product  #########
'data.frame':   74050 obs. of  16 variables:
 $ identif    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ byprod_id  : int  1 2 3 4 5 6 7 8 9 10 ...
 $ cluster    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  4 4 4 4 4 4 4 4 4 4 ...
 $ q0708      : int  60 0 80 0 NA NA NA NA NA 0 ...
 $ q0709      : num  60 NA 16 NA 10 10 1 0 0 NA ...
 $ q0710      : num  0 NA 0 NA 0 0 0 NA NA NA ...
 $ q0711      : num  60 NA 16 NA 10 10 1 NA NA NA ...
 $ q0712      : int  42000 NA 1120000 NA 50000 70000 22000 NA NA NA ...
 $ q0713      : num  0 NA 0 NA 0 0 0 NA NA NA ...
 $ q0714      : int  0 NA 0 NA 0 0 0 NA NA NA ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:22"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 251 252 251 251 251 252 255 255 255 ...
 - attr(*, "val.labels")= Named chr  "" "byprod_id" "" "aimag" ...
```

```
  ..- attr(*, "names")= chr  "" "byprod_id" "" "aimag" ...
 - attr(*, "var.labels")= chr  "group(identif)" "byprod" "Cluster" "2. Aimag" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 3
  ..$ location : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag    : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
  ..$ byprod_id: Named int  1 2 3 4 5 6
  .. ..- attr(*, "names")= chr  "Goat cashmere, kg       " "Wool, hair, cashmere, kg" "Skins and hides, pieces " "Milk, airag, liters     " ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  74050 16
NULL


## 6 ####  Crop  #########
'data.frame':   2353 obs. of  15 variables:
 $ identif    : int  12 12 12 12 23 50 51 55 55 55 ...
 $ crop_id    : int  1 3 4 6 1 1 1 1 2 4 ...
 $ cluster    : int  6 6 6 6 11 28 28 28 28 28 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 40 40 40 40 40 ...
 $ location   : int  3 3 3 3 3 3 3 3 3 3 ...
 $ q0719      : int  1 1 1 1 1 1 1 1 1 1 ...
 $ q0720      : num  500 50 30 25 100 2000 300 600 100 800 ...
 $ q0721      : num  100 10 10 5 100 500 300 400 20 300 ...
 $ q0722      : int  0 0 0 0 0 0 0 0 0 0 ...
 $ q0723q     : int  400 40 20 20 0 1500 0 200 80 500 ...
 $ q0723t     : int  200000 24000 16000 20000 0 900000 0 90000 48000 400000 ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 2 2 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:23"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 251 252 251 251 251 251 255 255 253 ...
 - attr(*, "val.labels")= Named chr  "" "crop_id" "" "aimag" ...
  ..- attr(*, "names")= chr  "" "crop_id" "" "aimag" ...
 - attr(*, "var.labels")= chr  "group(identif)" "crop" "Cluster" "2. Aimag" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 4
  ..$ q0719   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯A¯E"
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
  ..$ crop_id : Named int  1 2 3 4 5 6 7 8 9 10 ...
  .. ..- attr(*, "names")= chr  "Potatoes" "Carrots" "Turnip" "Cabbage" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  2353 15
NULL
```

```
## 7 ####  Agriultural Expenditure  #########
'data.frame':   11518 obs. of  10 variables:
 $ identif    : int  12 12 12 12 12 12 12 12 12 12 ...
 $ exp_id     : int  1 2 3 4 5 6 7 8 9 10 ...
 $ cluster    : int  6 6 6 6 6 6 6 6 6 6 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  3 3 3 3 3 3 3 3 3 3 ...
 $ q0724      : int  60000 0 0 0 0 0 0 0 0 0 ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:23"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 251 252 251 251 251 253 251 251 251
 - attr(*, "val.labels")= Named chr  "" "exp_id" "" "aimag" ...
  ..- attr(*, "names")= chr  "" "exp_id" "" "aimag" ...
 - attr(*, "var.labels")= chr  "group(identif)" "exp" "Cluster" "2. Aimag" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 3
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
  ..$ exp_id  : Named int  1 2 3 4 5 6 7 8 9 10 ...
  .. ..- attr(*, "names")= chr  "Seeds" "Fertilizers" "Extermination of vermin" "Wages &
salaries" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  11518 10
NULL


## 8 ####  Enterprise  #########
'data.frame':   2342 obs. of  31 variables:
 $ identif    : int  14 28 40 42 50 53 81 99 106 115 ...
 $ en         : int  1 1 1 1 1 1 1 1 1 1 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 25 25 25 40 40 52 1 1 1 ...
 $ location   : int  3 3 3 4 3 3 3 2 2 2 ...
 $ q0803      : num  3600 4520 1622 1430 4721 ...
 $ q0804      : int  100 100 100 100 100 100 100 100 100 100 ...
 $ q0805      : int  1 1 2 1 0 1 1 2 2 1 ...
 $ q0806      : int  0 0 0 0 1 1 0 0 0 0 ...
 $ q0807_01   : int  0 0 0 0 1684800 1296000 0 0 0 0 ...
 $ q0807_02   : int  0 0 0 0 13000000 20000000 0 6000000 6000000 0 ...
 $ q0807_03   : int  0 250000 1400000 300000 0 0 0 0 0 0 ...
 $ q0807_04   : int  0 0 0 0 400000 1200000 3600000 0 0 1250000 ...
 $ q0807_05   : int  100000 150000 50000 0 120000 200000 0 0 0 0 ...
 $ q0807_06   : int  0 0 0 0 0 0 0 0 0 0 ...
 $ q0807_07   : int  0 0 0 0 0 0 0 960000 0 0 ...
 $ q0807_08   : int  0 0 0 0 0 0 200000 0 0 160000 ...
 $ q0807_09   : int  0 0 0 0 0 0 150000 0 0 30000 ...
 $ q0807_10   : int  0 0 0 0 180000 1000000 100000 48000 70000 0 ...
```

```
 $ q0807_11   : int  0 0 0 0 0 0 0 600000 2400000 0 ...
 $ q0807_99    : int  100000 400000 1450000 300000 15384800 23696000 4050000 7608000 8470000
1440000 ...
 $ q0808      : int  12 6 9 9 12 12 7 12 12 4 ...
 $ q0809_1a   : int  60000 300000 300000 75000 1400000 2000000 840000 1500000 800000 1000000 ...
 $ q0809_1b   : int  4 2 3 3 4 4 2 3 4 1 ...
 $ q0809_2a   : int  40000 150000 200000 45000 1300000 1500000 560000 900000 700000 600000 ...
 $ q0809_2b   : int  4 2 3 2 4 4 2 6 4 1 ...
 $ q0809_3a   : int  70000 450000 500000 90000 1600000 4000000 1120000 2000000 1200000 1350000 ...
 $ q0809_3b   : int  4 2 3 4 4 4 3 3 4 2 ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 1 1 1 2 3 1 2 2 2 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:24"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 251 251 251 251 255 251 251 251 253 ...
 - attr(*, "val.labels")= Named chr  "" "" "aimag" "" ...
  ..- attr(*, "names")= chr  "" "" "aimag" "" ...
 - attr(*, "var.labels")= chr  "group(identif)" "Enterprise Number (1-2-3)" "2. Aimag" "3.Soum" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 2
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  2342 31
NULL


## 9 ####  Other income  #########
'data.frame':   333086 obs. of  20 variables:
 $ identif    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ income_id  : int  1 2 3 4 5 6 7 8 9 10 ...
 $ cluster    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  4 4 4 4 4 4 4 4 4 4 ...
 $ q0901      : int  2 2 2 2 2 2 2 2 1 2 ...
 $ q0902_ic   : int  NA NA NA NA NA NA NA NA 1 NA ...
 $ q0902_t    : int  NA NA NA NA NA NA NA NA 252000 NA ...
 $ q0903_ic   : int  NA NA NA NA NA NA NA NA 2 NA ...
 $ q0903_t    : int  NA NA NA NA NA NA NA NA 252000 NA ...
 $ q0904_ic   : int  NA NA NA NA NA NA NA NA 0 NA ...
 $ q0904_t    : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0905_ic   : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0905_t    : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0906_ic   : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0906_t    : int  NA NA NA NA NA NA NA NA NA NA ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:27"
```

```
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 251 252 251 251 251 251 251 253 251 ...
 - attr(*, "val.labels")= Named chr  "" "income_id" "" "aimag" ...
  ..- attr(*, "names")= chr  "" "income_id" "" "aimag" ...
 - attr(*, "var.labels")= chr  "group(identif)" "income" "Cluster" "2. Aimag" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 4
  ..$ q0901    : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "__A__E"
  ..$ location : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag    : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
  ..$ income_id: Named int  1 2 3 4 5 6 7 8 9 10 ...
  .. ..- attr(*, "names")= chr  "State pension" "Special Pension" "Unemployment benefit" "Maternity
benefits" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  333086 20
NULL


## 10 ####  Remittance  #########
'data.frame':   3670 obs. of  17 variables:
 $ identif    : int  13 160 167 176 186 189 191 192 214 216 ...
 $ ln         : int  1 1 1 1 1 1 1 1 1 1 ...
 $ cluster    : int  6 77 80 85 87 87 94 94 99 99 ...
 $ aimag      : int  65 83 83 83 83 83 83 83 83 83 ...
 $ soum       : int  13 25 25 37 37 37 37 37 1 1 ...
 $ location   : int  3 3 3 4 4 4 4 3 2 2 ...
 $ ind_id     : int  1 1 1 5 1 1 1 1 1 2 ...
 $ q0909      : int  4 4 4 1 1 1 4 4 1 7 ...
 $ q0910      : int  1 8 1 1 1 1 1 1 1 1 ...
 $ q0911      : int  1 4 4 3 3 3 3 1 2 2 ...
 $ q0912      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q0913      : int  300000 1200000 50000 140000 100000 15000 50000 500000 140000 140000 ...
 $ q0914      : int  3 5 4 4 5 5 5 5 4 4 ...
 $ q0915      : int  1 1 4 1 4 4 4 4 2 1 ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 2 3 3 2 2 3 3 1 1 ...
 $ supervisor : int  65 83 83 83 83 83 83 83 83 83 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:29"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 251 252 251 251 251 251 251 251 251 ...
 - attr(*, "val.labels")= Named chr  "" "" "" "aimag" ...
  ..- attr(*, "names")= chr  "" "" "" "aimag" ...
 - attr(*, "var.labels")= chr  "group(identif)" "Line Number" "Cluster" "2. Aimag" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 6
  ..$ q0914   : Named int  1 2 3 4 5
  .. ..- attr(*, "names")= chr  "YES, weekly" "YES, monthly" "YES, quarterly" "YES, annualy" ...
  ..$ q0911   : Named int  1 2 3 4 5
  .. ..- attr(*, "names")= chr  "Capital city" "Aimag center" "Soum center" "Countryside" ...
  ..$ q0910   : Named int  1 2 3 4 5 6 7 8
  .. ..- attr(*, "names")= chr  "HOUSEHOLD USE" "EDUCATION8 TUITION FEE" "MEDICAL TREATMENT"
```

```
"PURCHASE OF DWELLING" ...
  ..$ q0909   : Named int  1 2 3 4 5 6 7
  .. ..- attr(*, "names")= chr  "GOVERNMENT" "COMPANIES AND ORGANIZATIONS" "NGOs" "PARENTS,
CHILDREN, RELATIVES" ...
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  3670 17
NULL


## 11 ####  Savings loan  #########
'data.frame':   6305 obs. of  19 variables:
 $ identif    : int  2 6 8 9 11 18 19 20 21 22 ...
 $ cluster    : int  1 1 1 6 6 11 11 11 11 11 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  3 4 4 3 3 3 3 3 3 3 ...
 $ loan_id    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ q1005      : int  1 5 5 7 7 2 2 7 2 8 ...
 $ q1006      : int  1 1 1 1 1 1 1 1 1 1 ...
 $ q1007      : int  3000000 700000 2700000 1200000 1200000 600000 315000 200000 1800000 5000000 ...
 $ q1008      : int  1 1 1 1 1 1 1 1 1 1 ...
 $ q1009      : int  1 1 2 1 1 1 1 1 1 1 ...
 $ q1010a     : int  2 1 2 4 4 1 1 5 1 2 ...
 $ q1010b     : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q1010c     : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q1011      : int  250000 0 120000 67500 80100 170000 65000 40000 105000 319000 ...
 $ q1012      : int  1500000 0 980000 540000 320400 340000 135000 40000 105000 638000 ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 2 2 2 2 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:30"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 252 251 251 251 251 251 251 253 251 ...
 - attr(*, "val.labels")= Named chr  "" "" "aimag" "" ...
  ..- attr(*, "names")= chr  "" "" "aimag" "" ...
 - attr(*, "var.labels")= chr  "group(identif)" "Cluster" "2. Aimag" "3. Soum" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 9
  ..$ q1010c  : Named int  1 2 3 4 5 6 7 8
  .. ..- attr(*, "names")= chr  "HH expenses" "Buy the car" "Business" "Buy the land" ...
  ..$ q1010b  : Named int  1 2 3 4 5 6 7 8
  .. ..- attr(*, "names")= chr  "HH expenses" "Buy the car" "Business" "Buy the land" ...
  ..$ q1010a  : Named int  1 2 3 4 5 6 7 8
  .. ..- attr(*, "names")= chr  "HH expenses" "Buy the car" "Business" "Buy the land" ...
  ..$ q1009   : Named int  1 2 3 4 5 6 7
  .. ..- attr(*, "names")= chr  "Bank" "Non bank financial institution" "Savings and credit
cooperatives" "Employer or organization" ...
  ..$ q1008   : Named int  1 2 3
  .. ..- attr(*, "names")= chr  "Yes " "No " "Don't know"
  ..$ q1006   : Named int  1 2
```

```
  .. ..- attr(*, "names")= chr  "Yes" "No"
  ..$ q1005    : Named int  1 2 3 4 5 6 7 8 9
  .. ..- attr(*, "names")= chr  "Salary loan" "Retirement loan" "Mortgage loan" "Consumer loan" ...
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag    : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  6305 19
NULL


## 12 ####  Energy  #########
'data.frame':   115299 obs. of  15 variables:
 $ identif    : int  1 1 1 1 1 1 1 1 1 2 ...
 $ cluster    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  4 4 4 4 4 4 4 4 4 3 ...
 $ energy_id  : int  1 2 3 4 5 6 7 8 9 1 ...
 $ q1136      : int  2 1 2 2 2 2 2 2 2 1 ...
 $ q1137      : int  NA 1 NA NA NA NA NA NA NA NA ...
 $ q1138      : num  NA 10 NA NA NA NA NA NA NA NA ...
 $ q1139      : int  NA 0 NA NA NA NA NA NA NA 10000 ...
 $ q1140      : int  NA 60000 NA NA NA NA NA NA NA 120000 ...
 $ q1141      : int  NA 0 NA NA NA NA NA NA NA 0 ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:30"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 252 251 251 251 251 251 251 255 253 ...
 - attr(*, "val.labels")= Named chr  "" "" "aimag" "" ...
  ..- attr(*, "names")= chr  "" "" "aimag" "" ...
 - attr(*, "var.labels")= chr  "group(identif)" "Cluster" "2. Aimag" "3. Soum" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 5
  ..$ q1137    : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "aaDNAaa AYEOAYAYA" "OOAAEAAA AAAAA" "AYEOAYAYA, OOAAEAAA AAAAA"
"AONAA"
  ..$ q1136    : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "¯¯A¯¯E"
  ..$ energy_id: Named int  1 2 3 4 5 6 7 8 9
  .. ..- attr(*, "names")= chr  "Electricity" "Firewood, m3" "Firewood, bag" "Coal, ton" ...
  ..$ location : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag    : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  115299 15
NULL
```

```
## 13 ####  Payment service  #########
'data.frame':   166543 obs. of  13 variables:
 $ identif    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ cluster    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  4 4 4 4 4 4 4 4 4 4 ...
 $ item       : int  1 2 3 4 5 6 7 8 9 10 ...
 $ q1142      : int  2 2 2 2 2 2 2 2 2 2 ...
 $ q1143      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q1144      : num  NA NA NA NA NA NA NA NA NA NA ...
 $ q1145      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:32"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 252 251 251 251 251 251 253 255 253 ...
 - attr(*, "val.labels")= Named chr  "" "" "aimag" "" ...
  ..- attr(*, "names")= chr  "" "" "aimag" "" ...
 - attr(*, "var.labels")= chr  "group(identif)" "Cluster" "2. Aimag" "3. Soum" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 4
  ..$ q1142   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ item    : Named int  1 2 3 4 5 6 7 8 9 10 ...
  .. ..- attr(*, "names")= chr  "Heating fees" "Water use fees" "Hot water fees" "Dirty water" ...
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  166543 13
NULL


## 14 ####  Durable  #########
'data.frame':   563684 obs. of  12 variables:
 $ identif    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ cluster    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  4 4 4 4 4 4 4 4 4 4 ...
 $ durable_id : int  1 2 3 4 5 6 7 8 9 10 ...
 $ q1201      : int  0 0 0 0 0 0 1 0 0 0 ...
 $ q1202      : int  NA NA NA NA NA NA 48 NA NA NA ...
 $ q1203      : int  NA NA NA NA NA NA 300000 NA NA NA ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:36"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 252 251 251 251 251 251 252 253 251 ...
```

```
 - attr(*, "val.labels")= Named chr  "" "" "aimag" "" ...
  ..- attr(*, "names")= chr  "" "" "aimag" "" ...
 - attr(*, "var.labels")= chr  "group(identif)" "Cluster" "2. Aimag" "3. Soum" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 3
  ..$ durable_id: Named int  1 2 3 4 5 6 7 8 9 10 ...
  .. ..- attr(*, "names")= chr  "Refrigerator" "Vacuum Cleaner" "Washing machine" "Sewing
machine" ...
  ..$ location  : Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag     : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  563684 12
NULL


## 15 ####  Non-Food  #########
'data.frame':   4624771 obs. of  15 variables:
 $ identif    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ row13      : int  2 3 4 5 6 7 8 9 10 11 ...
 $ item       : int  20101 20102 20103 20104 20105 20106 20107 20108 20109 20110 ...
 $ cluster    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  4 4 4 4 4 4 4 4 4 4 ...
 $ q1301      : int  2 2 1 2 2 1 2 2 2 2 ...
 $ q1302      : int  NA NA 0 NA NA 0 NA NA NA NA ...
 $ q1303      : int  NA NA 45000 NA NA 20000 NA NA NA NA ...
 $ q1304      : int  NA NA 0 NA NA 0 NA NA NA NA ...
 $ q1305      : int  NA NA 0 NA NA 0 NA NA NA NA ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:11"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 252 252 252 251 251 251 251 253 253 ...
 - attr(*, "val.labels")= Named chr  "" "" "item" "" ...
  ..- attr(*, "names")= chr  "" "" "item" "" ...
 - attr(*, "var.labels")= chr  "group(identif)" "IA" "Non-food Item code" "Cluster" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 4
  ..$ q1301   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
  ..$ item    : Named int  20101 20102 20103 20104 20105 20106 20107 20108 20109 20110 ...
  .. ..- attr(*, "names")= chr  "Men: Leather jacket, deel   " "Men: Winter jacket, winter deel
" "Men: Overcoat   " "Men: Other leather jacket, winter jacke " ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  4624771 15
```

```
NULL


## 16 ####  Urban Diary  #########
'data.frame':   867273 obs. of  23 variables:
 $ identif    : int  97 97 97 97 97 97 97 97 97 97 ...
 $ cluster    : int  54 54 54 54 54 54 54 54 54 54 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  1 1 1 1 1 1 1 1 1 1 ...
 $ location   : int  2 2 2 2 2 2 2 2 2 2 ...
 $ row14      : int  2 3 4 5 6 7 8 9 10 11 ...
 $ item       : int  10101 10102 10103 10104 10105 10106 10107 10108 10109 10110 ...
 $ q1401_1    : num  4 0.9 NA 2.8 NA ...
 $ q1401_2    : num  4 0.9 NA 2.8 NA ...
 $ q1401_3    : num  0 0 NA 0 NA NA NA NA 0 NA ...
 $ q1401_4    : num  0 0 NA 0 NA NA NA NA 0 NA ...
 $ q1402_1    : num  5 1 NA 3 NA NA NA NA 2.5 NA ...
 $ q1402_2    : num  5 1 NA 3 NA NA NA NA 2.5 NA ...
 $ q1402_3    : num  0 0 NA 0 NA NA NA NA 0 NA ...
 $ q1402_4    : num  0 0 NA 0 NA NA NA NA 0 NA ...
 $ q1403_1    : num  6 2 NA 4 NA NA NA NA 2 NA ...
 $ q1403_2    : num  6 2 NA 4 NA NA NA NA 2 NA ...
 $ q1403_3    : num  0 0 NA 0 NA NA NA NA 0 NA ...
 $ q1403_4    : num  0 0 NA 0 NA NA NA NA 0 NA ...
 $ q1404      : num  600 1800 NA 900 NA NA NA NA 2300 NA ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  2 2 2 2 2 2 2 2 2 2 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:57"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 252 251 251 251 252 252 255 255 255 ...
 - attr(*, "val.labels")= Named chr  "" "" "aimag" "" ...
  ..- attr(*, "names")= chr  "" "" "aimag" "" ...
 - attr(*, "var.labels")= chr  "group(identif)" "Cluster" "2. Aimag" "3. Soum" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 2
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  867273 23
NULL


## 17 ####  Rural Food 7 day  #########
'data.frame':   708480 obs. of  16 variables:
 $ identif    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ row15      : int  2 3 4 5 6 7 8 9 10 11 ...
 $ item       : int  10101 10102 10103 10104 10105 10106 10107 10108 10109 10110 ...
 $ cluster    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  4 4 4 4 4 4 4 4 4 4 ...
```

```
 $ q1501      : num  2 1 2 1 2 2 2 2 2 2 ...
 $ q1502      : num  NA 1 NA 8 NA NA NA NA NA NA ...
 $ q1503      : num  NA 1 NA 8 NA NA NA NA NA NA ...
 $ q1504      : num  NA 1800 NA 700 NA NA NA NA NA NA ...
 $ q1505      : num  NA 0 NA 0 NA NA NA NA NA NA ...
 $ q1506      : num  NA 0 NA 0 NA NA NA NA NA NA ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:11"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 252 252 252 251 251 251 255 255 255 ...
 - attr(*, "val.labels")= Named chr  "" "" "item" "" ...
  ..- attr(*, "names")= chr  "" "" "item" "" ...
 - attr(*, "var.labels")= chr  "group(identif)" "" "Item Code" "Cluster" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 3
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
  ..$ item    : Named int  10101 10102 10103 10104 10105 10106 10107 10108 10109 10110 ...
  .. ..- attr(*, "names")= chr  "Bread (1 piece = 670 gr) - piece " "Rice - Kg " "Flour, highest
grade - Kg " "Flour, grade 1 - Kg " ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  708480 16
NULL


## 18 ####  Foodstuffs  #########
'data.frame':   12811 obs. of  17 variables:
 $ identif    : int  1 2 3 4 5 6 7 8 9 10 ...
 $ cluster    : int  1 1 1 1 1 1 1 1 6 6 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  4 3 4 3 4 4 3 4 3 3 ...
 $ q1601      : int  1 1 1 1 1 1 2 1 2 2 ...
 $ q1602      : int  2 2 2 2 2 2 NA 2 NA NA ...
 $ q1603y     : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q1603m     : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q1603d     : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q1604      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q1605      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q1606      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q1607      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:16"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 252 251 251 251 251 251 252 251 251 ...
 - attr(*, "val.labels")= Named chr  "" "" "aimag" "" ...
  ..- attr(*, "names")= chr  "" "" "aimag" "" ...
```

```
 - attr(*, "var.labels")= chr  "group(identif)" "Cluster" "2. Aimag" "3. Soum" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 7
  ..$ q1607   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "__A__E"
  ..$ q1606   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "__A__E"
  ..$ q1605   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "__A__E"
  ..$ q1602   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "__A__E"
  ..$ q1601   : Named int  1 2
  .. ..- attr(*, "names")= chr  "OEEI" "__A__E"
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  12811 17
NULL


## 19 ####  Foodout  #########
'data.frame':   25578 obs. of  12 variables:
 $ identif    : int  1 1 2 2 3 3 4 4 5 5 ...
 $ cluster    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ aimag      : int  65 65 65 65 65 65 65 65 65 65 ...
 $ soum       : int  13 13 13 13 13 13 13 13 13 13 ...
 $ location   : int  4 4 3 3 4 4 3 3 4 4 ...
 $ item       : int  22501 22502 22502 22501 22501 22502 22501 22502 22501 22502 ...
 $ q1507      : int  2 2 2 2 2 2 2 2 2 2 ...
 $ q1508      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q1509      : int  NA NA NA NA NA NA NA NA NA NA ...
 $ quarter    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ interviewer: int  3 3 3 3 3 3 3 3 3 3 ...
 $ supervisor : int  65 65 65 65 65 65 65 65 65 65 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:17"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 252 251 251 251 252 251 253 253 251 ...
 - attr(*, "val.labels")= Named chr  "" "" "aimag" "" ...
  ..- attr(*, "names")= chr  "" "" "aimag" "" ...
 - attr(*, "var.labels")= chr  "group(identif)" "Cluster" "2. Aimag" "3. Soum" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 4
  ..$ q1507   : Named int  1 2
  .. ..- attr(*, "names")= chr  "YES" "NO"
  ..$ item    : Named int  22501 22502
  .. ..- attr(*, "names")= chr  "Restaurants, cafes     " "Canteens in schools, works canteens     "
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Capital" "Aimag center" "Soum center" "Rural"
  ..$ aimag   : Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar (11)" "Dornod (21)" "Suhbaatar (22)" "Hentii (23)" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
```

```
 - attr(*, "orig.dim")= int  25578 12
NULL


## 20 ####  Basicvars  #########
'data.frame':   12811 obs. of  12 variables:
 $ identif  : int  1 2 3 4 5 6 7 8 9 10 ...
 $ cluster  : int  1 1 1 1 1 1 1 1 6 6 ...
 $ newaimag : int  65 65 65 65 65 65 65 65 65 65 ...
 $ location : int  4 4 4 4 4 4 4 4 4 4 ...
 $ urban    : int  2 2 2 2 2 2 2 2 2 2 ...
 $ region   : int  2 2 2 2 2 2 2 2 2 2 ...
 $ month    : int  3 3 3 3 3 3 3 3 1 1 ...
 $ quarter  : int  1 1 1 1 1 1 1 1 1 1 ...
 $ strata   : int  3 3 3 3 3 3 3 3 3 3 ...
 $ hhweight : num  65 65 65 65 65 ...
 $ hhsize   : int  3 4 3 4 5 6 8 4 5 6 ...
 $ aimagsoum: int  63 63 63 63 63 63 63 63 63 63 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "31 Jul 2013 08:17"
 - attr(*, "formats")= chr  "%16.0g" "%16.0g" "%16.0g" "%16.0g" ...
 - attr(*, "types")= int  252 252 251 251 251 251 251 251 251 255 ...
 - attr(*, "val.labels")= Named chr  "" "" "newaimag" "location" ...
  ..- attr(*, "names")= chr  "" "" "newaimag" "location" ...
 - attr(*, "var.labels")= chr  "group(identif)" "Cluster" "New code of aimag" "Strata 4
locations" ...
 - attr(*, "version")= int 113
 - attr(*, "label.table")=List of 4
  ..$ region  : Named int  1 2 3 4 5
  .. ..- attr(*, "names")= chr  "West" "Highlands" "Central" "East" ...
  ..$ urban   : Named int  1 2
  .. ..- attr(*, "names")= chr  "Urban" "Rural"
  ..$ location: Named int  1 2 3 4
  .. ..- attr(*, "names")= chr  "Ulaanbaatar" "Aimagcenter" "Soumcenter" "Countryside"
  ..$ newaimag: Named int  11 21 22 23 41 42 43 44 45 46 ...
  .. ..- attr(*, "names")= chr  "Ulaanbaatar" "Dornod" "Sukhbaatar" "Khentii" ...
 - attr(*, "expansion.fields")= list()
 - attr(*, "byteorder")= int 2
 - attr(*, "orig.dim")= int  12811 12
NULL
```

5.2 Summary of each variable

```
> for(j in 1:20){
+ cat("##",j,"#### ",Rnames[j]," #########¥n")
+ print(summary(outfiles[[j]]))
+ cat("¥n¥n")
+ }

## 1 ####  Household  #########
    identif           year       quarter         cluster
 Min.   :    1   Min.   :12   Min.   :1.000   Min.   :   1.0
 1st Qu.: 3204   1st Qu.:12   1st Qu.:2.000   1st Qu.: 374.0
 Median : 6406   Median :12   Median :3.000   Median : 754.0
 Mean   : 6406   Mean   :12   Mean   :2.562   Mean   : 733.7
 3rd Qu.: 9608   3rd Qu.:12   3rd Qu.:4.000   3rd Qu.:1088.0
 Max.   :12811   Max.   :12   Max.   :4.000   Max.   :1428.0

     aimag           soum          location     interviewer
 Min.   :11.0   Min.   : 1.00   Min.   :1.00   Min.   : 1.00
 1st Qu.:11.0   1st Qu.: 1.00   1st Qu.:1.00   1st Qu.: 1.00
 Median :45.0   Median :16.00   Median :2.00   Median : 2.00
 Mean   :44.1   Mean   :17.87   Mean   :2.38   Mean   : 6.51
 3rd Qu.:65.0   3rd Qu.:25.00   3rd Qu.:3.00   3rd Qu.: 5.00
 Max.   :85.0   Max.   :76.00   Max.   :4.00   Max.   :34.00

   supervisor       operator         q0008            hh_no
 Min.   : 1.00   Min.   : 1.00   Min.   : 1.000   Min.   : 1.000
 1st Qu.: 3.00   1st Qu.: 2.00   1st Qu.: 3.000   1st Qu.: 3.000
 Median :45.00   Median :45.00   Median : 4.000   Median : 6.000
 Mean   :41.58   Mean   :41.21   Mean   : 3.667   Mean   : 5.757
 3rd Qu.:65.00   3rd Qu.:65.00   3rd Qu.: 5.000   3rd Qu.: 8.000
 Max.   :85.00   Max.   :85.00   Max.   :15.000   Max.   :13.000

     q0009           q0010           v1_dd           v1_mm
 Min.   :1.000   Min.   :1.000   Min.   : 1.00   Min.   : 1.000
 1st Qu.:1.000   1st Qu.:1.000   1st Qu.: 1.00   1st Qu.: 4.000
 Median :1.000   Median :3.000   Median : 8.00   Median : 7.000
 Mean   :1.331   Mean   :2.559   Mean   :11.49   Mean   : 6.671
 3rd Qu.:1.000   3rd Qu.:4.000   3rd Qu.:22.00   3rd Qu.:10.000
 Max.   :3.000   Max.   :8.000   Max.   :31.00   Max.   :12.000

     v1_yy        v1_res          v2_dd           v2_mm
 Min.   :12   Min.   :1.000   Min.   : 1.00   Min.   : 1.000
 1st Qu.:12   1st Qu.:1.000   1st Qu.:10.00   1st Qu.: 4.000
 Median :12   Median :1.000   Median :11.00   Median : 7.000
 Mean   :12   Mean   :1.555   Mean   :11.36   Mean   : 6.682
 3rd Qu.:12   3rd Qu.:2.000   3rd Qu.:11.00   3rd Qu.:10.000
 Max.   :12   Max.   :7.000   Max.   :31.00   Max.   :12.000
                              NA's   :5745    NA's   :5745
     v2_yy          v2_res          v3_dd           v3_mm
 Min.   :12     Min.   :1.000   Min.   : 1.00   Min.   : 1.000
 1st Qu.:12     1st Qu.:2.000   1st Qu.:20.00   1st Qu.: 4.000
 Median :12     Median :2.000   Median :21.00   Median : 7.000
 Mean   :12     Mean   :1.963   Mean   :20.33   Mean   : 6.684
 3rd Qu.:12     3rd Qu.:2.000   3rd Qu.:21.00   3rd Qu.:10.000
 Max.   :12     Max.   :7.000   Max.   :31.00   Max.   :12.000
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NA's   :5745   NA's   :5745    NA's   :5768    NA's   :5768
    v3_yy          v3_res          v4_dd          v4_mm
Min.   :12     Min.   :1.000   Min.   : 1.0   Min.   : 1.000
1st Qu.:12     1st Qu.:1.000   1st Qu.:22.0   1st Qu.: 4.000
Median :12     Median :2.000   Median :29.0   Median : 7.000
Mean   :12     Mean   :1.779   Mean   :23.5   Mean   : 6.706
3rd Qu.:12     3rd Qu.:2.000   3rd Qu.:30.0   3rd Qu.:10.000
Max.   :13     Max.   :6.000   Max.   :31.0   Max.   :12.000
NA's   :5768   NA's   :5768    NA's   :6971   NA's   :6971
    v4_yy          v4_res          q0701          q0707
Min.   :12.00   Min.   :1.000   Min.   :1.000   Min.   :1.000
1st Qu.:12.00   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000
Median :12.00   Median :1.000   Median :2.000   Median :1.000
Mean   :12.02   Mean   :1.044   Mean   :1.634   Mean   :1.072
3rd Qu.:12.00   3rd Qu.:1.000   3rd Qu.:2.000   3rd Qu.:1.000
Max.   :13.00   Max.   :4.000   Max.   :2.000   Max.   :2.000
NA's   :6971    NA's   :6971                    NA's   :8118
    q0715          q0716           q0717          q0718
Min.   :1.000   Min.   :     10   Min.   :1.000   Min.   :     10.0
1st Qu.:2.000   1st Qu.:    100   1st Qu.:1.000   1st Qu.:     84.2
Median :2.000   Median :    500   Median :1.000   Median :    425.0
Mean   :1.925   Mean   :  11136   Mean   :1.077   Mean   :   8583.4
3rd Qu.:2.000   3rd Qu.:   2602   3rd Qu.:1.000   3rd Qu.:   2000.0
Max.   :2.000   Max.   :1500000   Max.   :2.000   Max.   :1500000.0
                NA's   :11851     NA's   :11851   NA's   :11925
    q0801          q0802          q0907          q1001
Min.   :1.000   Min.   :1.000   Min.   :1.00   Min.   :1.000
1st Qu.:2.000   1st Qu.:1.000   1st Qu.:2.00   1st Qu.:2.000
Median :2.000   Median :1.000   Median :2.00   Median :2.000
Mean   :1.836   Mean   :1.116   Mean   :1.81   Mean   :1.763
3rd Qu.:2.000   3rd Qu.:1.000   3rd Qu.:2.00   3rd Qu.:2.000
Max.   :2.000   Max.   :3.000   Max.   :2.00   Max.   :2.000
                NA's   :10708
    q1002          q1003          q1004          visitor
Min.   :       0   Min.   :1.000   Min.   :1.000   Min.   : 0.0000
1st Qu.:   75500   1st Qu.:1.000   1st Qu.:1.000   1st Qu.: 0.0000
Median :  300000   Median :2.000   Median :1.000   Median : 0.0000
Mean   : 1338806   Mean   :1.562   Mean   :1.133   Mean   : 0.4958
3rd Qu.: 1000000   3rd Qu.:2.000   3rd Qu.:1.000   3rd Qu.: 0.0000
Max.   :90000000   Max.   :2.000   Max.   :5.000   Max.   :50.0000
NA's   :9780                       NA's   :7204
    ndays          q1101          q1102          q1103
Min.   :  0.000   Min.   :0.000   Min.   :1.00   Min.   :1.00
1st Qu.:  0.000   1st Qu.:1.000   1st Qu.:1.00   1st Qu.:1.00
Median :  0.000   Median :1.000   Median :1.00   Median :2.00
Mean   :  3.657   Mean   :1.129   Mean   :1.07   Mean   :2.33
3rd Qu.:  0.000   3rd Qu.:1.000   3rd Qu.:1.00   3rd Qu.:4.00
Max.   :200.000   Max.   :5.000   Max.   :2.00   Max.   :9.00

    q1104          q1105          q1106          q1107
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 : 2.000   Median :2.000   Median :2.000   Median :1.000
Mean   : 1.822   Mean   :2.234   Mean   :1.762   Mean   :1.424
3rd Qu.: 2.000   3rd Qu.:3.000   3rd Qu.:2.000   3rd Qu.:2.000
Max.   :11.000   Max.   :5.000   Max.   :4.000   Max.   :4.000
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NA's   :6001     NA's   :6001     NA's   :6001     NA's   :6001
    q1108            q1109            q1110            q1111
Min.   :  4.00   Min.   :  6.00   Min.   :  4.00   Min.   :3.000
1st Qu.: 24.00   1st Qu.: 30.00   1st Qu.: 10.00   1st Qu.:4.000
Median : 32.00   Median : 42.00   Median : 20.00   Median :5.000
Mean   : 37.52   Mean   : 47.41   Mean   : 32.14   Mean   :4.974
3rd Qu.: 47.00   3rd Qu.: 56.00   3rd Qu.: 30.00   3rd Qu.:5.000
Max.   :360.00   Max.   :360.00   Max.   :394.00   Max.   :8.000
NA's   :6001     NA's   :6001     NA's   :12754    NA's   :6867
    q1112            q1113            q1114            q1115
Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   : 0.00
1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.: 7.00
Median :2.000   Median :2.000   Median :2.000   Median :20.00
Mean   :1.724   Mean   :1.725   Mean   :1.549   Mean   :34.97
3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:49.00
Max.   :2.000   Max.   :2.000   Max.   :3.000   Max.   :99.00
NA's   :6867    NA's   :6867    NA's   :6867
    q1116            q1117            q1118            q1119
Min.   : 0.00   Min.   :1.000   Min.   :1.000   Min.   :1.000
1st Qu.: 4.00   1st Qu.:3.000   1st Qu.:4.000   1st Qu.:2.000
Median :10.00   Median :3.000   Median :4.000   Median :2.000
Mean   :12.95   Mean   :2.953   Mean   :4.117   Mean   :1.886
3rd Qu.:20.00   3rd Qu.:3.000   3rd Qu.:5.000   3rd Qu.:2.000
Max.   :99.00   Max.   :3.000   Max.   :7.000   Max.   :2.000
                                NA's   :383     NA's   :3144
    q1120             q1121             q1122            q1123
Min.   :     99   Min.   :      0   Min.   :1.000   Min.   :1.00
1st Qu.:     99   1st Qu.:  54000   1st Qu.:4.000   1st Qu.:1.00
Median :     99   Median : 150000   Median :4.000   Median :1.00
Mean   :  28969   Mean   : 197224   Mean   :3.317   Mean   :1.42
3rd Qu.:     99   3rd Qu.: 300000   3rd Qu.:4.000   3rd Qu.:1.00
Max.   :3125000   Max.   :1500000   Max.   :5.000   Max.   :7.00
NA's   :390       NA's   :12421
    q1124            q1125            q1126            q1127
Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :1.000
1st Qu.:1.000   1st Qu.:3.000   1st Qu.:3.000   1st Qu.:1.000
Median :1.000   Median :3.000   Median :3.000   Median :1.000
Mean   :1.127   Mean   :3.592   Mean   :2.856   Mean   :1.727
3rd Qu.:1.000   3rd Qu.:5.000   3rd Qu.:4.000   3rd Qu.:2.000
Max.   :2.000   Max.   :8.000   Max.   :4.000   Max.   :4.000

    q1128            q1129          q1130_1          q1130_2
Min.   :1.000   Min.   :1.000   Min.   :  0.000   Min.   :  0.000
1st Qu.:3.000   1st Qu.:2.000   1st Qu.:  0.500   1st Qu.:  0.500
Median :3.000   Median :2.000   Median :  1.000   Median :  1.000
Mean   :2.711   Mean   :2.101   Mean   :  6.441   Mean   :  6.237
3rd Qu.:3.000   3rd Qu.:2.000   3rd Qu.:  2.500   3rd Qu.:  3.000
Max.   :4.000   Max.   :4.000   Max.   :160.000   Max.   :160.000

   q1130_3          q1130_4          q1131            q1132a
Min.   :  0.000   Min.   :  0.000   Min.   :1.000   Min.   :    0.0
1st Qu.:  0.300   1st Qu.:  0.100   1st Qu.:1.000   1st Qu.:  350.0
Median :  1.000   Median :  0.300   Median :2.000   Median :  700.0
Mean   :  6.065   Mean   :  1.232   Mean   :1.567   Mean   :  669.4
3rd Qu.:  2.000   3rd Qu.:  0.800   3rd Qu.:2.000   3rd Qu.:  700.0
Max.   :160.000   Max.   :100.000   Max.   :2.000   Max.   :50000.0
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                                                                NA's   :7269
     q1132b            q1133            q1134           q1135_1
 Min.   :     0   Min.   :1.000   Min.   :0.000   Min.   :1.000
 1st Qu.:     0   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000
 Median :     0   Median :2.000   Median :2.000   Median :2.000
 Mean   :  1006   Mean   :1.746   Mean   :2.014   Mean   :1.555
 3rd Qu.:   465   3rd Qu.:2.000   3rd Qu.:3.000   3rd Qu.:2.000
 Max.   :500000   Max.   :2.000   Max.   :7.000   Max.   :2.000
 NA's   :7272                     NA's   :9562    NA's   :9562
    q1135_2          q1135_3          q1135_4          q1135_5
 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
 Median :2.000   Median :2.000   Median :2.000   Median :2.000
 Mean   :1.556   Mean   :1.653   Mean   :1.791   Mean   :1.929
 3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000
 Max.   :2.000   Max.   :2.000   Max.   :2.000   Max.   :2.000
 NA's   :9562    NA's   :9562    NA's   :9562    NA's   :9562


## 2 ####  Individual  #########
    identif          ind_id          cluster           aimag
 Min.   :    1   Min.   : 1.000   Min.   :   1.0   Min.   :11.00
 1st Qu.: 3157   1st Qu.: 1.000   1st Qu.: 373.0   1st Qu.:11.00
 Median : 6349   Median : 2.000   Median : 762.0   Median :45.00
 Mean   : 6392   Mean   : 2.732   Mean   : 737.6   Mean   :44.56
 3rd Qu.: 9587   3rd Qu.: 4.000   3rd Qu.:1097.0   3rd Qu.:65.00
 Max.   :12811   Max.   :15.000   Max.   :1428.0   Max.   :85.00

      soum          location        quarter       interviewer
 Min.   : 1.00   Min.   :1.000   Min.   :1.000   Min.   : 1.00
 1st Qu.: 1.00   1st Qu.:1.000   1st Qu.:2.000   1st Qu.: 1.00
 Median :16.00   Median :2.000   Median :3.000   Median : 2.00
 Mean   :17.72   Mean   :2.373   Mean   :2.555   Mean   : 6.56
 3rd Qu.:25.00   3rd Qu.:3.000   3rd Qu.:4.000   3rd Qu.: 5.00
 Max.   :76.00   Max.   :4.000   Max.   :4.000   Max.   :34.00

   supervisor        q0102            q0103           q0104
 Min.   : 1.00   Min.   : 1.000   Min.   :1.000   Min.   :1912
 1st Qu.: 3.00   1st Qu.: 1.000   1st Qu.:1.000   1st Qu.:1970
 Median :45.00   Median : 3.000   Median :2.000   Median :1986
 Mean   :42.02   Mean   : 2.677   Mean   :1.513   Mean   :1983
 3rd Qu.:65.00   3rd Qu.: 3.000   3rd Qu.:2.000   3rd Qu.:1999
 Max.   :85.00   Max.   :11.000   Max.   :2.000   Max.   :2012

     q0105y          q0105m          q0106           q0107
 Min.   : 0.00   Min.   : 0.00   Min.   :1.000   Min.   : 1.000
 1st Qu.:13.00   1st Qu.: 3.00   1st Qu.:1.000   1st Qu.: 1.000
 Median :25.00   Median : 5.00   Median :2.000   Median : 2.000
 Mean   :28.28   Mean   : 5.56   Mean   :2.106   Mean   : 4.625
 3rd Qu.:42.00   3rd Qu.: 8.00   3rd Qu.:2.000   3rd Qu.: 2.000
 Max.   :99.00   Max.   :11.00   Max.   :6.000   Max.   :98.000
                 NA's   :46947   NA's   :13387   NA's   :28264
     q0108           q0109           q0110a          q0110
 Min.   : 1.00   Min.   : 1.0   Min.   : 0.00   Min.   : 0.0000
 1st Qu.: 1.00   1st Qu.: 2.0   1st Qu.: 0.00   1st Qu.: 0.0000
 Median :99.00   Median :99.0   Median : 0.00   Median : 0.0000
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Mean   :59.98   Mean   :51.8   Mean   : 2.71   Mean   : 0.8698
3rd Qu.:99.00   3rd Qu.:99.0   3rd Qu.: 0.00   3rd Qu.: 0.0000
Max.   :99.00   Max.   :99.0   Max.   :31.00   Max.   :12.0000

     q0111           q0201           q0202           q0203
Min.   :1.000   Min.   :1.000   Min.   : 1.00   Min.   :1.00
1st Qu.:1.000   1st Qu.:2.000   1st Qu.: 1.00   1st Qu.:1.00
Median :1.000   Median :2.000   Median : 2.00   Median :2.00
Mean   :1.026   Mean   :1.883   Mean   : 1.76   Mean   :1.55
3rd Qu.:1.000   3rd Qu.:2.000   3rd Qu.: 2.00   3rd Qu.:2.00
Max.   :2.000   Max.   :2.000   Max.   :10.00   Max.   :2.00
                NA's   :1260    NA's   :42454   NA's   :42454
     q0204           q0205          q0206_1          q0206_2
Min.   :1.00    Min.   :1.00    Min.   :      0   Min.   :     0
1st Qu.:1.00    1st Qu.:1.00    1st Qu.:      0   1st Qu.: 10000
Median :3.00    Median :1.00    Median :      0   Median : 20000
Mean   :3.89    Mean   :1.04    Mean   :  17440   Mean   : 24931
3rd Qu.:8.00    3rd Qu.:1.00    3rd Qu.:      0   3rd Qu.: 35000
Max.   :9.00    Max.   :3.00    Max.   :3000000   Max.   :250000
NA's   :44888   NA's   :45474   NA's   :45474     NA's   :45474
    q0206_3          q0206_4          q0206_5           q0207
Min.   :     0   Min.   :     0   Min.   :     0   Min.   :1.000
1st Qu.:     0   1st Qu.:     0   1st Qu.: 20000   1st Qu.:1.000
Median :     0   Median :     0   Median : 30000   Median :1.000
Mean   :  3100   Mean   : 13779   Mean   : 59249   Mean   :1.125
3rd Qu.:     0   3rd Qu.: 20000   3rd Qu.: 50000   3rd Qu.:1.000
Max.   :540000   Max.   :600000   Max.   :3000000   Max.   :2.000
NA's   :45474    NA's   :45474    NA's   :45474     NA's   :1260
     q0208           q0209           q0210           q0211
Min.   :1.00    Min.   : 1.000   Min.   : 1.000   Min.   :1.00
1st Qu.:1.00    1st Qu.: 1.000   1st Qu.: 2.000   1st Qu.:1.00
Median :2.00    Median : 2.000   Median : 4.000   Median :1.00
Mean   :1.52    Mean   : 1.752   Mean   : 3.834   Mean   :1.33
3rd Qu.:2.00    3rd Qu.: 2.000   3rd Qu.: 4.000   3rd Qu.:2.00
Max.   :2.00    Max.   :10.000   Max.   :10.000   Max.   :3.00
NA's   :7106    NA's   :26693    NA's   :7106     NA's   :36752
     q0212           q0213           q0214           q0215
Min.   :1.000   Min.   : 1.00   Min.   :1.00    Min.   : 1.00
1st Qu.:1.000   1st Qu.: 3.00   1st Qu.:1.00    1st Qu.: 1.00
Median :4.000   Median : 4.00   Median :2.00    Median : 2.00
Mean   :2.934   Mean   : 4.43   Mean   :1.52    Mean   : 4.35
3rd Qu.:4.000   3rd Qu.: 5.00   3rd Qu.:2.00    3rd Qu.: 8.00
Max.   :4.000   Max.   :11.00   Max.   :2.00    Max.   :13.00
NA's   :7106    NA's   :45687   NA's   :44804   NA's   :46404
     q0216t          q0216g          q0217           q0218
Min.   :1.0     Min.   : 0.00   Min.   :1.00    Min.   :1.00
1st Qu.:1.0     1st Qu.: 2.00   1st Qu.:1.00    1st Qu.:1.00
Median :1.0     Median : 4.00   Median :1.00    Median :2.00
Mean   :1.5     Mean   : 5.15   Mean   :1.09    Mean   :1.92
3rd Qu.:2.0     3rd Qu.: 8.00   3rd Qu.:1.00    3rd Qu.:3.00
Max.   :4.0     Max.   :12.00   Max.   :3.00    Max.   :4.00
NA's   :35191   NA's   :35191   NA's   :35191   NA's   :35191
     q0219           q0220           q0221           q0222
Min.   :1.00    Min.   : 0.00   Min.   :  0.0   Min.   :1.00
1st Qu.:1.00    1st Qu.: 0.70   1st Qu.: 10.0   1st Qu.:1.00
Median :1.00    Median : 1.50   Median : 20.0   Median :2.00
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Mean   :1.73    Mean   :22.58   Mean   : 33.8   Mean   :1.74
3rd Qu.:3.00    3rd Qu.:10.00   3rd Qu.: 40.0   3rd Qu.:2.00
Max.   :5.00    Max.   :99.00   Max.   :150.0   Max.   :2.00
NA's   :35191   NA's   :35191   NA's   :35191   NA's   :35191
     q0223           q0224           q0225          q0226_1
Min.   :1.00    Min.   :1.00    Min.   :  25000   Min.   :      0
1st Qu.:2.00    1st Qu.:1.00    1st Qu.: 500000   1st Qu.:      0
Median :2.00    Median :2.00    Median :1000000   Median :      0
Mean   :1.79    Mean   :1.97    Mean   :1168718   Mean   :  41538
3rd Qu.:2.00    3rd Qu.:2.00    3rd Qu.:1500000   3rd Qu.:      0
Max.   :2.00    Max.   :7.00    Max.   :8000000   Max.   :3600000
NA's   :44635   NA's   :47221   NA's   :47221     NA's   :35191
   q0226_2         q0226_3         q0226_4         q0226_5
Min.   :      0   Min.   :     0   Min.   :     0   Min.   :      0
1st Qu.:      0   1st Qu.: 30000   1st Qu.:     0   1st Qu.:      0
Median :      0   Median : 50000   Median :     0   Median :      0
Mean   : 212127   Mean   : 61174   Mean   : 19118   Mean   :  34492
3rd Qu.:      0   3rd Qu.: 75000   3rd Qu.: 25000   3rd Qu.:  30000
Max.   :7000000   Max.   :650000   Max.   :500000   Max.   :2500000
NA's   :35191     NA's   :35191    NA's   :35191    NA's   :35191
   q0226_6         q0226_7            q0301          q0302
Min.   :      0   Min.   :      0   Min.   :1.000   Min.   : 1.00
1st Qu.:      0   1st Qu.:  58000   1st Qu.:1.000   1st Qu.: 1.00
Median :      0   Median :  105000  Median :2.000   Median : 2.00
Mean   :  39354   Mean   :  407803  Mean   :1.568   Mean   : 1.75
3rd Qu.:  29000   3rd Qu.:  400000  3rd Qu.:2.000   3rd Qu.: 2.00
Max.   :3000000   Max.   :11992000  Max.   :2.000   Max.   :10.00
NA's   :35191     NA's   :35191     NA's   :1260    NA's   :21406
     q0303           q0304           q0305          q0306
Min.   :1.000   Min.   :1.00    Min.   :1.00   Min.   :0.00
1st Qu.:1.000   1st Qu.:1.00    1st Qu.:2.00   1st Qu.:3.00
Median :1.000   Median :3.00    Median :2.00   Median :4.00
Mean   :1.065   Mean   :3.44    Mean   :1.96   Mean   :4.18
3rd Qu.:1.000   3rd Qu.:6.00    3rd Qu.:2.00   3rd Qu.:6.00
Max.   :2.000   Max.   :7.00    Max.   :2.00   Max.   :6.00
NA's   :1260    NA's   :44873   NA's   :1260   NA's   :46048
     q0307          q0308_1         q0308_2         q0309
Min.   :1.000   Min.   :1.00    Min.   :0.00    Min.   : 0.00
1st Qu.:2.000   1st Qu.:1.00    1st Qu.:0.00    1st Qu.: 0.00
Median :2.000   Median :4.00    Median :0.00    Median : 2.00
Mean   :1.933   Mean   :3.25    Mean   :0.38    Mean   : 5.79
3rd Qu.:2.000   3rd Qu.:5.00    3rd Qu.:0.00    3rd Qu.:10.00
Max.   :2.000   Max.   :6.00    Max.   :6.00    Max.   :31.00
NA's   :1260    NA's   :44791   NA's   :44792   NA's   :44791
     q0310           q0311           q0312          q0313
Min.   :0.0     Min.   : 1.00   Min.   :1.00    Min.   :1.00
1st Qu.:1.0     1st Qu.: 1.00   1st Qu.:2.00    1st Qu.:1.00
Median :1.0     Median : 3.00   Median :2.00    Median :1.00
Mean   :1.2     Mean   : 5.79   Mean   :2.38    Mean   :1.23
3rd Qu.:1.0     3rd Qu.:11.00   3rd Qu.:3.00    3rd Qu.:1.00
Max.   :2.0     Max.   :12.00   Max.   :6.00    Max.   :6.00
NA's   :44790   NA's   :47292   NA's   :45406   NA's   :45406
    q0314a          q0314b          q0315          q0316
Min.   :    0   Min.   :    0   Min.   :1.000   Min.   :    2
1st Qu.: 3000   1st Qu.:    0   1st Qu.:2.000   1st Qu.: 5000
Median : 20000  Median :    0   Median :2.000   Median : 10000
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Mean   :  83957   Mean   :  33240   Mean   :1.894   Mean   :  23774
3rd Qu.:  60000   3rd Qu.:  20000   3rd Qu.:2.000   3rd Qu.:  20000
Max.   :10000000  Max.   :6000000   Max.   :2.000   Max.   :3000000
NA's   :45407     NA's   :45407     NA's   :1263    NA's   :42965
     q0317            q0318            q0319            q0320
Min.   :1.000   Min.   :1.00    Min.   :1.00    Min.   :  1.00
1st Qu.:2.000   1st Qu.:1.00    1st Qu.:1.00    1st Qu.:  9.00
Median :2.000   Median :2.00    Median :1.00    Median : 10.00
Mean   :1.895   Mean   :2.23    Mean   :1.03    Mean   : 13.22
3rd Qu.:2.000   3rd Qu.:3.00    3rd Qu.:1.00    3rd Qu.: 14.00
Max.   :2.000   Max.   :6.00    Max.   :4.00    Max.   :365.00
NA's   :1262    NA's   :43003   NA's   :43003   NA's   :43003
     q0321            q0322            q0323            q0324
Min.   :      0   Min.   :      0   Min.   :1.000   Min.   :1.000
1st Qu.:      0   1st Qu.:      0   1st Qu.:2.000   1st Qu.:2.000
Median :  30000   Median :  20000   Median :2.000   Median :2.000
Mean   : 185999   Mean   :  67697   Mean   :1.872   Mean   :1.995
3rd Qu.: 180000   3rd Qu.:  60000   3rd Qu.:2.000   3rd Qu.:2.000
Max.   :20000000  Max.   :6000000   Max.   :2.000   Max.   :2.000
NA's   :43003     NA's   :43002     NA's   :1260    NA's   :1260
     q0325            q0401            q0402            q0403
Min.   :1.000   Min.   :1.000   Min.   :1.00    Min.   :1.00
1st Qu.:2.000   1st Qu.:1.000   1st Qu.:1.00    1st Qu.:1.00
Median :2.000   Median :2.000   Median :1.00    Median :1.00
Mean   :1.994   Mean   :1.709   Mean   :1.32    Mean   :1.13
3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.00    3rd Qu.:1.00
Max.   :2.000   Max.   :2.000   Max.   :2.00    Max.   :2.00
NA's   :1260    NA's   :1262    NA's   :34345   NA's   :38620
     q0404            q0405            q0406            q0407
Min.   :1.00    Min.   :1.00    Min.   :1.00    Min.   : 1.00
1st Qu.:2.00    1st Qu.:1.00    1st Qu.:1.00    1st Qu.: 2.00
Median :2.00    Median :4.00    Median :2.00    Median : 2.00
Mean   :1.81    Mean   :3.31    Mean   :1.61    Mean   : 3.09
3rd Qu.:2.00    3rd Qu.:5.00    3rd Qu.:2.00    3rd Qu.: 4.00
Max.   :2.00    Max.   :8.00    Max.   :2.00    Max.   :11.00
NA's   :39810   NA's   :46334   NA's   :39810   NA's   :44776
     q0501            q0502            q0503            q0504
Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :1.0
1st Qu.:1.000   1st Qu.:1.000   1st Qu.:2.000   1st Qu.:2.0
Median :1.000   Median :1.000   Median :2.000   Median :3.0
Mean   :1.285   Mean   :1.332   Mean   :1.957   Mean   :2.5
3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:3.0
Max.   :2.000   Max.   :2.000   Max.   :2.000   Max.   :6.0
NA's   :1262    NA's   :14551   NA's   :25611   NA's   :35885
     q0505            q0506            q0507            q0508
Min.   :1.00    Min.   :1937    Min.   :1.00    Min.   :1.000
1st Qu.:3.00    1st Qu.:1989    1st Qu.:1.00    1st Qu.:2.000
Median :3.00    Median :2000    Median :1.00    Median :2.000
Mean   :3.73    Mean   :1995    Mean   :1.12    Mean   :1.993
3rd Qu.:5.00    3rd Qu.:2005    3rd Qu.:1.00    3rd Qu.:2.000
Max.   :9.00    Max.   :2012    Max.   :2.00    Max.   :2.000
NA's   :35885   NA's   :35885   NA's   :35881   NA's   :9
     q0509            q0510            q0511            q0512
Min.   :  4.0   Min.   :1.00    Min.   : 0.00   Min.   :1.00
1st Qu.:336.0   1st Qu.:1.00    1st Qu.: 1.00   1st Qu.:1.00
Median :410.0   Median :1.00    Median : 3.00   Median :2.00
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Mean   :476.1   Mean   :1.95    Mean   : 3.72   Mean   :1.67
3rd Qu.:752.0   3rd Qu.:3.00    3rd Qu.: 5.00   3rd Qu.:2.00
Max.   :840.0   Max.   :7.00    Max.   :24.00   Max.   :2.00
NA's   :47580   NA's   :47580   NA's   :47580   NA's   :47580
     q0513             q0514              q0601           q0602
Min.   :      0   Min.   :   11300   Min.   :1.000   Min.   :1.000
1st Qu.:      0   1st Qu.:  545000   1st Qu.:1.000   1st Qu.:1.000
Median : 150000   Median : 2200000   Median :1.000   Median :1.000
Mean   : 426396   Mean   : 3073052   Mean   :1.192   Mean   :1.487
3rd Qu.: 500000   3rd Qu.: 5000000   3rd Qu.:1.000   3rd Qu.:2.000
Max.   :3680000   Max.   :15000000   Max.   :2.000   Max.   :2.000
NA's   :47801     NA's   :47801      NA's   :1264    NA's   :10206
     q0603           q0604           q0605           q0606
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.:2.000
Median : 2.000   Median :2.000   Median :1.000   Median :2.000
Mean   : 1.763   Mean   :1.543   Mean   :2.128   Mean   :1.915
3rd Qu.: 2.000   3rd Qu.:2.000   3rd Qu.:3.000   3rd Qu.:2.000
Max.   :10.000   Max.   :2.000   Max.   :5.000   Max.   :2.000
NA's   :29530    NA's   :10206   NA's   :30694   NA's   :27419
     q0607           q0608           q0609           q0610
Min.   :1.00    Min.   :1.000   Min.   :1.00    Min.   :1.000
1st Qu.:4.00    1st Qu.:2.000   1st Qu.:2.00    1st Qu.:1.000
Median :6.00    Median :2.000   Median :2.00    Median :1.000
Mean   :5.22    Mean   :1.967   Mean   :2.73    Mean   :2.446
3rd Qu.:7.00    3rd Qu.:2.000   3rd Qu.:3.00    3rd Qu.:3.000
Max.   :8.00    Max.   :2.000   Max.   :6.00    Max.   :8.000
NA's   :46163   NA's   :29163   NA's   :47293   NA's   :29778
     q0611           q0612           q0613           q0614
Min.   :1.00    Min.   :111.0   Min.   : 111.0   Min.   :  2.00
1st Qu.:2.00    1st Qu.:413.0   1st Qu.: 149.1   1st Qu.: 40.00
Median :2.00    Median :612.0   Median :4329.0   Median : 48.00
Mean   :1.84    Mean   :560.5   Mean   :3885.3   Mean   : 50.03
3rd Qu.:2.00    3rd Qu.:713.0   3rd Qu.:6910.0   3rd Qu.: 60.00
Max.   :2.00    Max.   :997.0   Max.   :9900.0   Max.   :140.00
NA's   :42285   NA's   :28946   NA's   :28946    NA's   :28946
     q0615           q0616          q0617_1           q0617_2
Min.   :1.000   Min.   :1.000   Min.   :      0   Min.   :       0
1st Qu.:4.000   1st Qu.:1.000   1st Qu.: 215000   1st Qu.: 2145500
Median :8.000   Median :1.000   Median : 340000   Median : 3600000
Mean   :7.069   Mean   :1.425   Mean   : 378014   Mean   : 4173211
3rd Qu.:9.000   3rd Qu.:2.000   3rd Qu.: 500000   3rd Qu.: 5400000
Max.   :9.000   Max.   :2.000   Max.   :6500000   Max.   :70200000
NA's   :28946   NA's   :28943   NA's   :37006     NA's   :37006
   q0617_3             q0618          q0619_1           q0619_2
Min.   :       0   Min.   :1.00    Min.   :      0   Min.   :       0
1st Qu.:       0   1st Qu.:2.00    1st Qu.:      0   1st Qu.:  300000
Median :       0   Median :2.00    Median :      0   Median :  800000
Mean   :   87889   Mean   :1.97    Mean   : 146265   Mean   : 1702074
3rd Qu.:       0   3rd Qu.:2.00    3rd Qu.: 200000   3rd Qu.: 1970000
Max.   :18000000   Max.   :2.00    Max.   :3000000   Max.   :24000000
NA's   :37006      NA's   :37003   NA's   :47591     NA's   :47592
   q0619_3              PID
Min.   :       0   Min.   :    101
1st Qu.:       0   1st Qu.: 315703
Median :       0   Median : 634902
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 Mean   :  145047   Mean   : 639155
 3rd Qu.:       0   3rd Qu.: 958701
 Max.   :30000000   Max.   :1281104
 NA's   :47591


## 3 ####  Llivestock  #########
    identif          ani_id         cluster         aimag
 Min.   :    1   Min.   :1.000   Min.   :   1   Min.   :11.00
 1st Qu.: 3095   1st Qu.:2.000   1st Qu.: 230   1st Qu.:43.00
 Median : 6282   Median :4.000   Median : 482   Median :63.00
 Mean   : 6000   Mean   :3.144   Mean   : 541   Mean   :57.61
 3rd Qu.: 9608   3rd Qu.:5.000   3rd Qu.: 731   3rd Qu.:81.00
 Max.   :12788   Max.   :6.000   Max.   :1425   Max.   :85.00

      soum          location        q0702_1           q0702_2
 Min.   : 1.00   Min.   :1.000   Min.   :   0.00   Min.   :   0.00
 1st Qu.:13.00   1st Qu.:3.000   1st Qu.:   7.00   1st Qu.:   2.00
 Median :25.00   Median :4.000   Median :  20.00   Median :   7.00
 Mean   :26.52   Mean   :3.441   Mean   :  53.06   Mean   :  20.12
 3rd Qu.:40.00   3rd Qu.:4.000   3rd Qu.:  59.00   3rd Qu.:  20.00
 Max.   :76.00   Max.   :4.000   Max.   :3500.00   Max.   :1600.00
                                                   NA's   :72
    q0702_3            q0703             q0704             q0705
 Min.   :   0.00   Min.   :  0.000   Min.   :  0.000   Min.   :       0
 1st Qu.:   2.00   1st Qu.:  0.000   1st Qu.:  0.000   1st Qu.:       0
 Median :   5.00   Median :  1.000   Median :  0.000   Median :       0
 Mean   :  16.19   Mean   :  3.644   Mean   :  3.545   Mean   :  414418
 3rd Qu.:  18.00   3rd Qu.:  5.000   3rd Qu.:  1.000   3rd Qu.:  170000
 Max.   :1280.00   Max.   :150.000   Max.   :500.000   Max.   :36000000
 NA's   :72        NA's   :1
    quarter       interviewer       supervisor
 Min.   :1.000   Min.   : 1.000   Min.   : 1.0
 1st Qu.:2.000   1st Qu.: 1.000   1st Qu.:43.0
 Median :3.000   Median : 2.000   Median :63.0
 Mean   :2.571   Mean   : 2.123   Mean   :57.5
 3rd Qu.:4.000   3rd Qu.: 3.000   3rd Qu.:81.0
 Max.   :4.000   Max.   :34.000   Max.   :85.0


## 4 ####  Livestock Expenditure  #########
    identif          exp_id         cluster           aimag
 Min.   :    1   Min.   :1.00   Min.   :   1.0   Min.   :11.00
 1st Qu.: 3176   1st Qu.:1.00   1st Qu.: 269.0   1st Qu.:43.00
 Median : 6322   Median :2.00   Median : 526.0   Median :62.00
 Mean   : 6144   Mean   :2.24   Mean   : 586.1   Mean   :57.25
 3rd Qu.: 9614   3rd Qu.:3.00   3rd Qu.: 782.0   3rd Qu.:81.00
 Max.   :12788   Max.   :7.00   Max.   :1425.0   Max.   :85.00
      soum          location         q0706             quarter
 Min.   : 1.00   Min.   :1.000   Min.   :    1000   Min.   :1.000
 1st Qu.:10.00   1st Qu.:3.000   1st Qu.:   36000   1st Qu.:2.000
 Median :22.00   Median :4.000   Median :  100000   Median :3.000
 Mean   :26.15   Mean   :3.413   Mean   :  236415   Mean   :2.584
 3rd Qu.:40.00   3rd Qu.:4.000   3rd Qu.:  240000   3rd Qu.:4.000
 Max.   :76.00   Max.   :4.000   Max.   :27280000   Max.   :4.000
```

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  interviewer      supervisor
 Min.   : 1.000   Min.   : 1.00
 1st Qu.: 1.000   1st Qu.:43.00
 Median : 2.000   Median :62.00
 Mean   : 2.304   Mean   :57.06
 3rd Qu.: 3.000   3rd Qu.:81.00
 Max.   :34.000   Max.   :85.00


## 5 ####  Product  #########
    identif       byprod_id     cluster          aimag
 Min.   :    1   Min.   : 1   Min.   :   1.0   Min.   :11.00
 1st Qu.: 3084   1st Qu.: 5   1st Qu.: 214.0   1st Qu.:44.00
 Median : 6280   Median : 9   Median : 462.0   Median :63.00
 Mean   : 6001   Mean   : 9   Mean   : 539.9   Mean   :58.61
 3rd Qu.: 9593   3rd Qu.:13   3rd Qu.: 732.0   3rd Qu.:81.00
 Max.   :12788   Max.   :17   Max.   :1425.0   Max.   :85.00

      soum          location         q0708           q0709
 Min.   : 1.00   Min.   :1.000   Min.   :   0.0   Min.   :    0.0
 1st Qu.:13.00   1st Qu.:3.000   1st Qu.:   0.0   1st Qu.:    0.0
 Median :25.00   Median :4.000   Median :   0.0   Median :    0.0
 Mean   :26.42   Mean   :3.388   Mean   :  15.2   Mean   :  146.4
 3rd Qu.:40.00   3rd Qu.:4.000   3rd Qu.:   3.0   3rd Qu.:   10.0
 Max.   :76.00   Max.   :4.000   Max.   :4000.0   Max.   :41000.0
                                 NA's   :34860    NA's   :28129
     q0710            q0711            q0712             q0713
 Min.   :    0.0   Min.   :    0.0   Min.   :       0   Min.   :    0.00
 1st Qu.:    0.0   1st Qu.:    1.0   1st Qu.:    7530   1st Qu.:    0.00
 Median :    0.0   Median :    4.0   Median :   35000   Median :    0.00
 Mean   :  235.7   Mean   :   62.9   Mean   :  289745   Mean   :   20.41
 3rd Qu.:    1.0   3rd Qu.:   14.0   3rd Qu.:  130000   3rd Qu.:    0.00
 Max.   :18800.0   Max.   :31000.0   Max.   :23500000   Max.   :32637.00
 NA's   :53335     NA's   :53335     NA's   :53335      NA's   :53335
     q0714            quarter        interviewer       supervisor
 Min.   :      0   Min.   :1.000   Min.   : 1.000   Min.   : 1.00
 1st Qu.:      0   1st Qu.:2.000   1st Qu.: 1.000   1st Qu.:44.00
 Median :      0   Median :3.000   Median : 2.000   Median :63.00
 Mean   :  11151   Mean   :2.573   Mean   : 2.192   Mean   :58.51
 3rd Qu.:      0   3rd Qu.:4.000   3rd Qu.: 3.000   3rd Qu.:81.00
 Max.   :8157500   Max.   :4.000   Max.   :34.000   Max.   :85.00
 NA's   :53335


## 6 ####  Crop  #########
    identif         crop_id          cluster          aimag
 Min.   :   12   Min.   : 1.000   Min.   :   2.0   Min.   :11.00
 1st Qu.: 3214   1st Qu.: 1.000   1st Qu.: 361.0   1st Qu.:43.00
 Median : 5993   Median : 3.000   Median : 620.0   Median :61.00
 Mean   : 6152   Mean   : 4.554   Mean   : 700.4   Mean   :53.97
 3rd Qu.: 9306   3rd Qu.: 7.000   3rd Qu.:1176.0   3rd Qu.:81.00
 Max.   :12808   Max.   :13.000   Max.   :1428.0   Max.   :85.00

      soum         location       q0719       q0720
 Min.   : 1.0   Min.   :1.0   Min.   :1   Min.   :    0.5
 1st Qu.: 1.0   1st Qu.:2.0   1st Qu.:1   1st Qu.:   25.0
```

```
 Median :10.0   Median :3.0   Median :1   Median :   100.0
 Mean   :15.8   Mean   :2.7   Mean   :1   Mean   :  1860.9
 3rd Qu.:28.0   3rd Qu.:3.0   3rd Qu.:1   3rd Qu.:   700.0
 Max.   :76.0   Max.   :4.0   Max.   :2   Max.   :200000.0
                                          NA's   :1
     q0721            q0722            q0723q            q0723t
 Min.   :   0.0   Min.   :    0.0   Min.   :     0.0   Min.   :       0
 1st Qu.:  10.0   1st Qu.:    0.0   1st Qu.:     0.0   1st Qu.:       0
 Median :  50.0   Median :    0.0   Median :     0.0   Median :       0
 Mean   : 158.4   Mean   :  530.6   Mean   :   985.2   Mean   :  387190
 3rd Qu.: 150.0   3rd Qu.:    0.0   3rd Qu.:    50.0   3rd Qu.:   40000
 Max.   :7000.0   Max.   :90000.0   Max.   :200000.0   Max.   :80000000
 NA's   :183      NA's   :1         NA's   :1          NA's   :1
    quarter       interviewer      supervisor
 Min.   :1.000   Min.   : 1.00   Min.   : 1.00
 1st Qu.:2.000   1st Qu.: 1.00   1st Qu.:43.00
 Median :2.000   Median : 2.00   Median :61.00
 Mean   :2.511   Mean   : 3.17   Mean   :53.45
 3rd Qu.:3.000   3rd Qu.: 3.00   3rd Qu.:81.00
 Max.   :4.000   Max.   :33.00   Max.   :85.00
```

```
## 7 ####  Agriultural Expenditure  #########
    identif          exp_id      cluster           aimag
 Min.   :   12   Min.   : 1   Min.   :   2.0   Min.   :11.00
 1st Qu.: 2986   1st Qu.: 4   1st Qu.: 200.0   1st Qu.:43.00
 Median : 5985   Median : 7   Median : 579.0   Median :61.00
 Mean   : 5936   Mean   : 7   Mean   : 646.2   Mean   :56.91
 3rd Qu.: 9189   3rd Qu.:10   3rd Qu.: 903.0   3rd Qu.:83.00
 Max.   :12808   Max.   :13   Max.   :1428.0   Max.   :85.00
      soum          location         q0724             quarter
 Min.   : 1.00   Min.   :1.000   Min.   :       0   Min.   :1.000
 1st Qu.: 1.00   1st Qu.:2.000   1st Qu.:       0   1st Qu.:2.000
 Median :19.00   Median :3.000   Median :       0   Median :2.000
 Mean   :19.53   Mean   :2.834   Mean   :   42266   Mean   :2.479
 3rd Qu.:31.00   3rd Qu.:3.000   3rd Qu.:       0   3rd Qu.:3.000
 Max.   :76.00   Max.   :4.000   Max.   :19500000   Max.   :4.000
  interviewer       supervisor
 Min.   : 1.000   Min.   : 1.00
 1st Qu.: 1.000   1st Qu.:43.00
 Median : 2.000   Median :61.00
 Mean   : 3.062   Mean   :56.45
 3rd Qu.: 3.000   3rd Qu.:83.00
 Max.   :33.000   Max.   :85.00
```

```
## 8 ####  Enterprise  #########
    identif            en            aimag            soum
 Min.   :   14   Min.   :1.000   Min.   :11.00   Min.   : 1.00
 1st Qu.: 3419   1st Qu.:1.000   1st Qu.:11.00   1st Qu.: 1.00
 Median : 6462   Median :1.000   Median :45.00   Median :10.00
 Mean   : 6501   Mean   :1.106   Mean   :45.27   Mean   :14.89
 3rd Qu.: 9497   3rd Qu.:1.000   3rd Qu.:67.00   3rd Qu.:25.00
 Max.   :12810   Max.   :3.000   Max.   :85.00   Max.   :76.00
                 NA's   :2
```

```
   location         q0803          q0804            q0805
Min.   :1.000   Min.   : 113   Min.   : 10.00   Min.   :0.000
1st Qu.:1.000   1st Qu.:4510   1st Qu.:100.00   1st Qu.:1.000
Median :2.000   Median :4730   Median :100.00   Median :1.000
Mean   :2.076   Mean   :4508   Mean   : 98.42   Mean   :1.208
3rd Qu.:3.000   3rd Qu.:4922   3rd Qu.:100.00   3rd Qu.:1.000
Max.   :4.000   Max.   :9820   Max.   :100.00   Max.   :4.000
                NA's   :1
    q0806            q0807_01            q0807_02
Min.   : 0.0000   Min.   :         0   Min.   :         0
1st Qu.: 0.0000   1st Qu.:         0   1st Qu.:         0
Median : 0.0000   Median :         0   Median :         0
Mean   : 0.4829   Mean   :   1081737   Mean   :   7841800
3rd Qu.: 0.0000   3rd Qu.:         0   3rd Qu.:   4800000
Max.   :60.0000   Max.   :240000000   Max.   :400000000

   q0807_03            q0807_04            q0807_05
Min.   :         0   Min.   :         0   Min.   :        0
1st Qu.:         0   1st Qu.:         0   1st Qu.:        0
Median :         0   Median :         0   Median :        0
Mean   :   1256217   Mean   :   1415578   Mean   :   179470
3rd Qu.:         0   3rd Qu.:   1000000   3rd Qu.:    14250
Max.   :540000000   Max.   :132000000   Max.   :50000000

   q0807_06            q0807_07            q0807_08
Min.   :        0   Min.   :         0   Min.   :        0
1st Qu.:        0   1st Qu.:         0   1st Qu.:        0
Median :        0   Median :         0   Median :        0
Mean   :   166538   Mean   :    650450   Mean   :   202505
3rd Qu.:        0   3rd Qu.:    100000   3rd Qu.:        0
Max.   :74000000   Max.   :120000000   Max.   :70000000

   q0807_09            q0807_10            q0807_11
Min.   :        0   Min.   :         0   Min.   :        0
1st Qu.:        0   1st Qu.:         0   1st Qu.:        0
Median :        0   Median :         0   Median :        0
Mean   :    60278   Mean   :    236920   Mean   :   571059
3rd Qu.:        0   3rd Qu.:     72000   3rd Qu.:   270000
Max.   :10000000   Max.   :108000000   Max.   :60000000

   q0807_99            q0808           q0809_1a            q0809_1b
Min.   :         0   Min.   : 1.000   Min.   :         0   Min.   : 0.000
1st Qu.:   1100000   1st Qu.: 8.000   1st Qu.:    350000   1st Qu.: 2.000
Median :   3942000   Median :12.000   Median :    750000   Median : 4.000
Mean   :  13662550   Mean   : 9.764   Mean   :   2018899   Mean   : 3.764
3rd Qu.:  11105250   3rd Qu.:12.000   3rd Qu.:   1600000   3rd Qu.: 5.000
Max.   :608160000   Max.   :12.000   Max.   :315000000   Max.   :12.000
                                     NA's   :3           NA's   :3
   q0809_2a            q0809_2b        q0809_3a            q0809_3b
Min.   :         0   Min.   :0.000   Min.   :         0   Min.   : 0.00
1st Qu.:    200000   1st Qu.:2.000   1st Qu.:    450000   1st Qu.: 2.00
Median :    450000   Median :3.000   Median :   1000000   Median : 3.00
Mean   :   1289478   Mean   :2.895   Mean   :   2643750   Mean   : 3.15
3rd Qu.:   1000000   3rd Qu.:4.000   3rd Qu.:   2100000   3rd Qu.: 4.00
Max.   :300000000   Max.   :9.000   Max.   :400000000   Max.   :12.00
NA's   :16          NA's   :16      NA's   :15          NA's   :15
```

```
    quarter       interviewer       supervisor
 Min.   :1.000   Min.   : 1.000   Min.   : 1.00
 1st Qu.:2.000   1st Qu.: 1.000   1st Qu.: 3.00
 Median :3.000   Median : 2.000   Median :45.00
 Mean   :2.556   Mean   : 6.591   Mean   :42.52
 3rd Qu.:4.000   3rd Qu.: 8.000   3rd Qu.:67.00
 Max.   :4.000   Max.   :34.000   Max.   :85.00


## 9 ####  Other income  #########
    identif        income_id       cluster           aimag
 Min.   :    1   Min.   : 1.0   Min.   :   1.0   Min.   :11.0
 1st Qu.: 3203   1st Qu.: 7.0   1st Qu.: 374.0   1st Qu.:11.0
 Median : 6406   Median :14.0   Median : 754.0   Median :45.0
 Mean   : 6406   Mean   :13.5   Mean   : 733.7   Mean   :44.1
 3rd Qu.: 9609   3rd Qu.:20.0   3rd Qu.:1088.0   3rd Qu.:65.0
 Max.   :12811   Max.   :26.0   Max.   :1428.0   Max.   :85.0

      soum          location        q0901         q0902_ic
 Min.   : 1.00   Min.   :1.00   Min.   :1.00   Min.   : 0.00
 1st Qu.: 1.00   1st Qu.:1.00   1st Qu.:2.00   1st Qu.: 1.00
 Median :16.00   Median :2.00   Median :2.00   Median : 1.00
 Mean   :17.87   Mean   :2.38   Mean   :1.92   Mean   : 1.49
 3rd Qu.:25.00   3rd Qu.:3.00   3rd Qu.:2.00   3rd Qu.: 2.00
 Max.   :76.00   Max.   :4.00   Max.   :2.00   Max.   :12.00
                                               NA's   :306543
    q0902_t             q0903_ic         q0903_t            q0904_ic
 Min.   :        0   Min.   : 0.00    Min.   :       0   Min.   : 0.0
 1st Qu.:   187850   1st Qu.: 0.00    1st Qu.:  185850   1st Qu.: 0.0
 Median :   247800   Median : 2.00    Median :  247800   Median : 3.0
 Mean   :   747161   Mean   : 1.12    Mean   :  352993   Mean   : 2.2
 3rd Qu.:   660000   3rd Qu.: 2.00    3rd Qu.:  247800   3rd Qu.: 3.0
 Max.   :220000000   Max.   :12.00    Max.   :10000000   Max.   :98.0
 NA's   :306545      NA's   :306544   NA's   :319200     NA's   :319201
    q0904_t           q0905_ic         q0905_t           q0906_ic
 Min.   :   3000   Min.   : 0.0     Min.   :   7200   Min.   : 0.0
 1st Qu.: 185850   1st Qu.: 0.0     1st Qu.: 185850   1st Qu.: 0.0
 Median : 229150   Median : 4.0     Median : 229150   Median : 0.0
 Mean   : 217903   Mean   : 2.8     Mean   : 214804   Mean   :19.4
 3rd Qu.: 247800   3rd Qu.: 4.0     3rd Qu.: 247800   3rd Qu.: 5.0
 Max.   :2160000   Max.   :98.0     Max.   :1740000   Max.   :98.0
 NA's   :323424    NA's   :323424   NA's   :326475    NA's   :326476
    q0906_t            quarter       interviewer      supervisor
 Min.   :   10000   Min.   :1.000   Min.   : 1.00   Min.   : 1.00
 1st Qu.:  208650   1st Qu.:2.000   1st Qu.: 1.00   1st Qu.: 3.00
 Median :  247800   Median :3.000   Median : 2.00   Median :45.00
 Mean   :  350757   Mean   :2.562   Mean   : 6.51   Mean   :41.58
 3rd Qu.:  455400   3rd Qu.:4.000   3rd Qu.: 5.00   3rd Qu.:65.00
 Max.   :11704000   Max.   :4.000   Max.   :34.00   Max.   :85.00
 NA's   :329821


## 10 ####  Remittance  #########
    identif            ln         cluster           aimag
 Min.   :   13   Min.   :1.0   Min.   :   6.0   Min.   :11.00
```

```
 1st Qu.: 3388   1st Qu.:1.0   1st Qu.: 452.0   1st Qu.:11.00
 Median : 6674   Median :1.0   Median : 574.0   Median :45.00
 Mean   : 6308   Mean   :1.6   Mean   : 711.3   Mean   :39.69
 3rd Qu.: 9856   3rd Qu.:2.0   3rd Qu.:1053.0   3rd Qu.:48.00
 Max.   :12808   Max.   :8.0   Max.   :1428.0   Max.   :85.00

      soum          location         ind_id          q0909
 Min.   : 1.00   Min.   :1.000   Min.   : 1.00   Min.   :1.000
 1st Qu.: 1.00   1st Qu.:1.000   1st Qu.: 1.00   1st Qu.:2.000
 Median :16.00   Median :2.000   Median : 1.00   Median :4.000
 Mean   :17.71   Mean   :2.357   Mean   : 1.81   Mean   :3.362
 3rd Qu.:25.00   3rd Qu.:3.000   3rd Qu.: 2.00   3rd Qu.:4.000
 Max.   :76.00   Max.   :4.000   Max.   :11.00   Max.   :7.000

     q0910           q0911           q0912           q0913
 Min.   :1.000   Min.   :1.000   Min.   : 23.0   Min.   :    3000
 1st Qu.:1.000   1st Qu.:1.000   1st Qu.:408.0   1st Qu.:  200000
 Median :1.000   Median :2.000   Median :410.0   Median :  400000
 Mean   :1.811   Mean   :2.367   Mean   :474.4   Mean   :  863345
 3rd Qu.:2.000   3rd Qu.:3.000   3rd Qu.:752.0   3rd Qu.:  850000
 Max.   :8.000   Max.   :5.000   Max.   :840.0   Max.   :30000000
                                 NA's   :3400
     q0914           q0915          quarter       interviewer
 Min.   :1.00   Min.   :1.00   Min.   :1.000   Min.   : 1.000
 1st Qu.:4.00   1st Qu.:1.00   1st Qu.:2.000   1st Qu.: 1.000
 Median :5.00   Median :1.00   Median :3.000   Median : 2.000
 Mean   :4.42   Mean   :2.05   Mean   :2.549   Mean   : 6.737
 3rd Qu.:5.00   3rd Qu.:4.00   3rd Qu.:4.000   3rd Qu.: 7.750
 Max.   :5.00   Max.   :5.00   Max.   :4.000   Max.   :34.000

   supervisor
 Min.   : 1.00
 1st Qu.: 3.00
 Median :45.00
 Mean   :37.04
 3rd Qu.:48.00
 Max.   :85.00



## 11 ####  Savings loan  #########
     identif         cluster           aimag           soum
 Min.   :    2   Min.   :   1.0   Min.   :11.0   Min.   : 1.00
 1st Qu.: 3119   1st Qu.: 365.0   1st Qu.:23.0   1st Qu.: 1.00
 Median : 6294   Median : 681.0   Median :46.0   Median :16.00
 Mean   : 6284   Mean   : 716.6   Mean   :48.6   Mean   :17.73
 3rd Qu.: 9468   3rd Qu.:1090.0   3rd Qu.:67.0   3rd Qu.:28.00
 Max.   :12810   Max.   :1428.0   Max.   :85.0   Max.   :76.00

    location        loan_id          q1005           q1006
 Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :1.000
 1st Qu.:2.000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000
 Median :2.000   Median :1.000   Median :2.000   Median :1.000
 Mean   :2.453   Mean   :1.121   Mean   :3.275   Mean   :1.133
 3rd Qu.:3.000   3rd Qu.:1.000   3rd Qu.:5.000   3rd Qu.:1.000
 Max.   :4.000   Max.   :3.000   Max.   :9.000   Max.   :2.000
```

```
     q1007                q1008           q1009           q1010a
 Min.    :         2   Min.    :1.000   Min.    :1.000   Min.    :1.000
 1st Qu.:   1000000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:1.000
 Median :   2000000   Median :1.000   Median :1.000   Median :1.000
 Mean   :   4448704   Mean   :1.051   Mean   :1.168   Mean   :2.592
 3rd Qu.:   5000000   3rd Qu.:1.000   3rd Qu.:1.000   3rd Qu.:3.000
 Max.    :200000000   Max.    :3.000   Max.    :7.000   Max.    :8.000
 NA's    :841
     q1010b          q1010c          q1011              q1012
 Min.    :0.000   Min.    :0.000   Min.    :       0   Min.    :       0
 1st Qu.:1.000   1st Qu.:3.000   1st Qu.:   80000   1st Qu.:  340000
 Median :4.000   Median :8.000   Median :  160000   Median :  900000
 Mean   :4.029   Mean   :5.659   Mean   :  241670   Mean   : 1711844
 3rd Qu.:6.000   3rd Qu.:8.000   3rd Qu.:  285000   3rd Qu.: 2038725
 Max.    :8.000   Max.    :8.000   Max.    :18000000   Max.    :70000000
 NA's    :5556    NA's    :6141    NA's    :1          NA's    :1
    quarter       interviewer       supervisor
 Min.    :1.000   Min.    : 1.000   Min.    : 1.00
 1st Qu.:2.000   1st Qu.: 1.000   1st Qu.:23.00
 Median :3.000   Median : 2.000   Median :46.00
 Mean   :2.536   Mean   : 4.934   Mean   :46.89
 3rd Qu.:3.000   3rd Qu.: 3.000   3rd Qu.:67.00
 Max.    :4.000   Max.    :34.000   Max.    :85.00



## 12 ####  Energy  #########
    identif         cluster           aimag           soum
 Min.    :    1   Min.    :   1.0   Min.    :11.0   Min.    : 1.00
 1st Qu.: 3203   1st Qu.: 374.0   1st Qu.:11.0   1st Qu.: 1.00
 Median : 6406   Median : 754.0   Median :45.0   Median :16.00
 Mean   : 6406   Mean   : 733.7   Mean   :44.1   Mean   :17.87
 3rd Qu.: 9609   3rd Qu.:1088.0   3rd Qu.:65.0   3rd Qu.:25.00
 Max.    :12811   Max.    :1428.0   Max.    :85.0   Max.    :76.00

    location      energy_id     q1136           q1137
 Min.    :1.00   Min.    :1   Min.    :1.000   Min.    :0.00
 1st Qu.:1.00   1st Qu.:3   1st Qu.:2.000   1st Qu.:1.00
 Median :2.00   Median :5   Median :2.000   Median :2.00
 Mean   :2.38   Mean   :5   Mean   :1.752   Mean   :1.76
 3rd Qu.:3.00   3rd Qu.:7   3rd Qu.:2.000   3rd Qu.:2.00
 Max.    :4.00   Max.    :9   Max.    :2.000   Max.    :4.00
                                            NA's    :97212
     q1138             q1139             q1140             q1141
 Min.    :   0.00   Min.    :      0   Min.    :      0   Min.    :      0
 1st Qu.:   3.00   1st Qu.:      0   1st Qu.:  60000   1st Qu.:      0
 Median :   5.00   Median :   2500   Median : 130000   Median :      0
 Mean   :  24.99   Mean   :  11014   Mean   : 160370   Mean   :   6312
 3rd Qu.:  10.00   3rd Qu.:  15000   3rd Qu.: 225000   3rd Qu.:      0
 Max.    :1500.00   Max.    :1670000   Max.    :3600000   Max.    :1000000
 NA's    :97211     NA's    :86665     NA's    :86662     NA's    :86665
    quarter       interviewer       supervisor
 Min.    :1.000   Min.    : 1.00   Min.    : 1.00
 1st Qu.:2.000   1st Qu.: 1.00   1st Qu.: 3.00
 Median :3.000   Median : 2.00   Median :45.00
```

```
 Mean   :2.562   Mean   : 6.51   Mean   :41.58
 3rd Qu.:4.000   3rd Qu.: 5.00   3rd Qu.:65.00
 Max.   :4.000   Max.   :34.00   Max.   :85.00
```

```
## 13 ####  Payment service  #########
    identif         cluster           aimag           soum
 Min.   :    1   Min.   :   1.0   Min.   :11.0   Min.   : 1.00
 1st Qu.: 3203   1st Qu.: 374.0   1st Qu.:11.0   1st Qu.: 1.00
 Median : 6406   Median : 754.0   Median :45.0   Median :16.00
 Mean   : 6406   Mean   : 733.7   Mean   :44.1   Mean   :17.87
 3rd Qu.: 9609   3rd Qu.:1088.0   3rd Qu.:65.0   3rd Qu.:25.00
 Max.   :12811   Max.   :1428.0   Max.   :85.0   Max.   :76.00

    location         item        q1142           q1143
 Min.   :1.00   Min.   : 1   Min.   :1.000   Min.   :      0
 1st Qu.:1.00   1st Qu.: 4   1st Qu.:2.000   1st Qu.:   1000
 Median :2.00   Median : 7   Median :2.000   Median :   2500
 Mean   :2.38   Mean   : 7   Mean   :1.844   Mean   :   6410
 3rd Qu.:3.00   3rd Qu.:10   3rd Qu.:2.000   3rd Qu.:   4560
 Max.   :4.00   Max.   :13   Max.   :2.000   Max.   :3000000
                             NA's   :1       NA's   :140527
     q1144            q1145            quarter       interviewer
 Min.   :      0   Min.   :      0   Min.   :1.000   Min.   : 1.00
 1st Qu.:  14400   1st Qu.:      0   1st Qu.:2.000   1st Qu.: 1.00
 Median :  30000   Median :      0   Median :3.000   Median : 2.00
 Mean   :  71701   Mean   :   1053   Mean   :2.562   Mean   : 6.51
 3rd Qu.:  59160   3rd Qu.:      0   3rd Qu.:4.000   3rd Qu.: 5.00
 Max.   :9000000   Max.   :6000000   Max.   :4.000   Max.   :34.00
 NA's   :140529    NA's   :140529
   supervisor
 Min.   : 1.00
 1st Qu.: 3.00
 Median :45.00
 Mean   :41.58
 3rd Qu.:65.00
 Max.   :85.00
```

```
## 14 ####  Durable  #########
    identif         cluster           aimag           soum
 Min.   :    1   Min.   :   1.0   Min.   :11.0   Min.   : 1.00
 1st Qu.: 3203   1st Qu.: 374.0   1st Qu.:11.0   1st Qu.: 1.00
 Median : 6406   Median : 754.0   Median :45.0   Median :16.00
 Mean   : 6406   Mean   : 733.7   Mean   :44.1   Mean   :17.87
 3rd Qu.: 9609   3rd Qu.:1088.0   3rd Qu.:65.0   3rd Qu.:25.00
 Max.   :12811   Max.   :1428.0   Max.   :85.0   Max.   :76.00

    location      durable_id        q1201            q1202
 Min.   :1.00   Min.   : 1.00   Min.   : 0.0000   Min.   :   1.0
 1st Qu.:1.00   1st Qu.:11.75   1st Qu.: 0.0000   1st Qu.:  24.0
 Median :2.00   Median :22.50   Median : 0.0000   Median :  60.0
 Mean   :2.38   Mean   :22.50   Mean   : 0.3757   Mean   :  97.1
 3rd Qu.:3.00   3rd Qu.:33.25   3rd Qu.: 1.0000   3rd Qu.: 120.0
```

```
 Max.    :4.00    Max.    :44.00    Max.    :15.0000    Max.    :1800.0
                                                        NA's    :388384
     q1203              quarter       interviewer       supervisor
 Min.    :     1000   Min.    :1.000   Min.    : 1.00   Min.    : 1.00
 1st Qu.:    40000   1st Qu.:2.000   1st Qu.: 1.00   1st Qu.: 3.00
 Median :    90000   Median :3.000   Median : 2.00   Median :45.00
 Mean    :  1450801   Mean    :2.562   Mean    : 6.51   Mean    :41.58
 3rd Qu.:   300000   3rd Qu.:4.000   3rd Qu.: 5.00   3rd Qu.:65.00
 Max.    :350000000   Max.    :4.000   Max.    :34.00   Max.    :85.00
 NA's    :388384
```

15 #### Non-Food

```
    identif          row13           item          cluster
 Min.    :    1   Min.    :  2.0   Min.    :20101   Min.    :   1.0
 1st Qu.: 3203   1st Qu.:108.0   1st Qu.:20903   1st Qu.: 374.0
 Median : 6406   Median :210.0   Median :21504   Median : 754.0
 Mean    : 6406   Mean    :210.5   Mean    :21598   Mean    : 733.7
 3rd Qu.: 9609   3rd Qu.:312.0   3rd Qu.:22106   3rd Qu.:1088.0
 Max.    :12811   Max.    :428.0   Max.    :24309   Max.    :1428.0

     aimag           soum          location        q1301
 Min.    :11.0   Min.    : 1.00   Min.    :1.00   Min.    :1.000
 1st Qu.:11.0   1st Qu.: 1.00   1st Qu.:1.00   1st Qu.:2.000
 Median :45.0   Median :16.00   Median :2.00   Median :2.000
 Mean    :44.1   Mean    :17.87   Mean    :2.38   Mean    :1.848
 3rd Qu.:65.0   3rd Qu.:25.00   3rd Qu.:3.00   3rd Qu.:2.000
 Max.    :85.0   Max.    :76.00   Max.    :4.00   Max.    :2.000

     q1302              q1303              q1304
 Min.    :       0   Min.    :       0   Min.    :       0
 1st Qu.:       0   1st Qu.:    10000   1st Qu.:       0
 Median :       0   Median :    24000   Median :       0
 Mean    :    5240   Mean    :    96371   Mean    :    3312
 3rd Qu.:       0   3rd Qu.:    60000   3rd Qu.:       0
 Max.    :60000000   Max.    :300000000   Max.    :51000000
 NA's    :3924335    NA's    :3923395    NA's    :3924352
     q1305              quarter       interviewer       supervisor
 Min.    :       0   Min.    :1.000   Min.    : 1.00   Min.    : 1.00
 1st Qu.:       0   1st Qu.:2.000   1st Qu.: 1.00   1st Qu.: 3.00
 Median :       0   Median :3.000   Median : 2.00   Median :45.00
 Mean    :     360   Mean    :2.562   Mean    : 6.51   Mean    :41.58
 3rd Qu.:       0   3rd Qu.:4.000   3rd Qu.: 5.00   3rd Qu.:65.00
 Max.    :20700000   Max.    :4.000   Max.    :34.00   Max.    :85.00
 NA's    :3924311
```

16 #### Urban Diary

```
    identif         cluster           aimag           soum
 Min.    :   97   Min.    :  49.0   Min.    :11.00   Min.    : 1.000
 1st Qu.: 3443   1st Qu.: 669.0   1st Qu.:11.00   1st Qu.: 1.000
 Median : 6614   Median : 979.0   Median :11.00   Median : 1.000
 Mean    : 6753   Mean    : 892.2   Mean    :33.43   Mean    : 7.991
 3rd Qu.: 9785   3rd Qu.:1156.0   3rd Qu.:61.00   3rd Qu.:16.000
 Max.    :12811   Max.    :1428.0   Max.    :85.00   Max.    :25.000
```

```
    location         row14            item         q1401_1
 Min.   :1.000   Min.   :  2.00   Min.   :10101   Min.   :   0.0
 1st Qu.:1.000   1st Qu.: 34.00   1st Qu.:10216   1st Qu.:   0.1
 Median :1.000   Median : 73.00   Median :10603   Median :   1.0
 Mean   :1.493   Mean   : 72.71   Mean   :10592   Mean   :  26.2
 3rd Qu.:2.000   3rd Qu.:108.00   3rd Qu.:10811   3rd Qu.:   3.5
 Max.   :2.000   Max.   :148.00   Max.   :11305   Max.   :4600.0
                                                  NA's   :665933
    q1401_2          q1401_3          q1401_4         q1402_1
 Min.   :   0.0   Min.   :   0.0   Min.   :0e+00   Min.   :   0.0
 1st Qu.:   0.5   1st Qu.:   0.0   1st Qu.:0e+00   1st Qu.:   0.1
 Median :   1.4   Median :   0.0   Median :0e+00   Median :   0.9
 Mean   :  33.0   Mean   :   0.5   Mean   :1e-01   Mean   :  26.2
 3rd Qu.:   5.0   3rd Qu.:   0.0   3rd Qu.:0e+00   3rd Qu.:   3.5
 Max.   :4600.0   Max.   :1500.0   Max.   :1e+03   Max.   :3400.0
 NA's   :710691   NA's   :710757   NA's   :710752  NA's   :671507
    q1402_2          q1402_3          q1402_4         q1403_1
 Min.   :   0.0   Min.   :   0.0   Min.   :   0.0   Min.   :   0.0
 1st Qu.:   0.5   1st Qu.:   0.0   1st Qu.:   0.0   1st Qu.:   0.2
 Median :   1.4   Median :   0.0   Median :   0.0   Median :   1.0
 Mean   :  33.0   Mean   :   0.5   Mean   :   0.1   Mean   :  27.2
 3rd Qu.:   5.0   3rd Qu.:   0.0   3rd Qu.:   0.0   3rd Qu.:   3.8
 Max.   :3400.0   Max.   :1800.0   Max.   :1100.0   Max.   :4000.0
 NA's   :714471   NA's   :714598   NA's   :714591   NA's   :674064
    q1403_2          q1403_3          q1403_4          q1404
 Min.   :   0.0   Min.   :   0.0   Min.   :   0.0   Min.   :    0
 1st Qu.:   0.5   1st Qu.:   0.0   1st Qu.:   0.0   1st Qu.:  700
 Median :   1.5   Median :   0.0   Median :   0.0   Median : 1500
 Mean   :  33.7   Mean   :   0.4   Mean   :   0.1   Mean   : 2274
 3rd Qu.:   5.0   3rd Qu.:   0.0   3rd Qu.:   0.0   3rd Qu.: 3000
 Max.   :4000.0   Max.   :1800.0   Max.   :1050.0   Max.   :80000
 NA's   :713857   NA's   :713962   NA's   :713946   NA's   :668338
    quarter       interviewer      supervisor
 Min.   :1.000   Min.   : 1.00   Min.   : 1.00
 1st Qu.:2.000   1st Qu.: 2.00   1st Qu.: 2.00
 Median :3.000   Median : 4.00   Median : 3.00
 Mean   :2.559   Mean   :10.24   Mean   :28.86
 3rd Qu.:4.000   3rd Qu.:19.00   3rd Qu.:61.00
 Max.   :4.000   Max.   :34.00   Max.   :85.00


## 17 ####  Rural Food 7 day  #########
    identif          row15            item         cluster
 Min.   :    1   Min.   :  2.00   Min.   :10101   Min.   :   1.0
 1st Qu.: 3058   1st Qu.: 34.00   1st Qu.:10216   1st Qu.: 249.8
 Median : 6298   Median : 73.00   Median :10603   Median : 492.5
 Mean   : 5981   Mean   : 72.71   Mean   :10592   Mean   : 539.7
 3rd Qu.: 9539   3rd Qu.:108.00   3rd Qu.:10811   3rd Qu.: 732.2
 Max.   :12691   Max.   :148.00   Max.   :11305   Max.   :1392.0

     aimag            soum          location         q1501
 Min.   :21.00   Min.   : 4.00   Min.   :3.000   Min.   :1.000
 1st Qu.:43.00   1st Qu.:16.00   1st Qu.:3.000   1st Qu.:2.000
 Median :62.00   Median :28.00   Median :3.000   Median :2.000
 Mean   :57.15   Mean   :29.96   Mean   :3.467   Mean   :1.864
```

```
 3rd Qu.:70.50   3rd Qu.:40.00   3rd Qu.:4.000   3rd Qu.:2.000
 Max.   :85.00   Max.   :76.00   Max.   :4.000   Max.   :2.000

     q1502            q1503            q1504            q1505
 Min.   :   0.0   Min.   :   0.0   Min.   :    0.0   Min.   :   0
 1st Qu.:   0.5   1st Qu.:   0.1   1st Qu.:    0.5   1st Qu.:   0
 Median :   2.0   Median :   1.0   Median :  780.0   Median :   0
 Mean   :  29.9   Mean   :  28.3   Mean   : 1268.2   Mean   :   1
 3rd Qu.:   7.0   3rd Qu.:   4.9   3rd Qu.: 1800.0   3rd Qu.:   0
 Max.   :2700.0   Max.   :2550.0   Max.   :30000.0   Max.   :2700
 NA's   :611783   NA's   :611782   NA's   :611776    NA's   :611845
     q1506          quarter       interviewer      supervisor
 Min.   :   0.0   Min.   :1.000   Min.   :1.000   Min.   :21.00
 1st Qu.:   0.0   1st Qu.:2.000   1st Qu.:1.000   1st Qu.:43.00
 Median :   0.0   Median :3.000   Median :2.000   Median :62.00
 Mean   :   0.6   Mean   :2.567   Mean   :1.948   Mean   :57.15
 3rd Qu.:   0.0   3rd Qu.:4.000   3rd Qu.:3.000   3rd Qu.:70.50
 Max.   :1400.0   Max.   :4.000   Max.   :4.000   Max.   :85.00
 NA's   :611831


## 18 ####  Foodstuffs  #########
    identif         cluster           aimag           soum
 Min.   :    1   Min.   :   1.0   Min.   :11.0   Min.   : 1.00
 1st Qu.: 3204   1st Qu.: 374.0   1st Qu.:11.0   1st Qu.: 1.00
 Median : 6406   Median : 754.0   Median :45.0   Median :16.00
 Mean   : 6406   Mean   : 733.7   Mean   :44.1   Mean   :17.87
 3rd Qu.: 9608   3rd Qu.:1088.0   3rd Qu.:65.0   3rd Qu.:25.00
 Max.   :12811   Max.   :1428.0   Max.   :85.0   Max.   :76.00

    location        q1601           q1602           q1603y
 Min.   :1.00   Min.   :1.000   Min.   :1.000   Min.   :2009
 1st Qu.:1.00   1st Qu.:2.000   1st Qu.:2.000   1st Qu.:2011
 Median :2.00   Median :2.000   Median :2.000   Median :2012
 Mean   :2.38   Mean   :1.834   Mean   :1.975   Mean   :2011
 3rd Qu.:3.00   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2012
 Max.   :4.00   Max.   :2.000   Max.   :2.000   Max.   :2012
                NA's   :96      NA's   :10723   NA's   :12758
     q1603m          q1603d          q1604           q1605
 Min.   : 1.000   Min.   : 1.00   Min.   :  5000   Min.   :1.000
 1st Qu.: 4.250   1st Qu.: 2.00   1st Qu.: 21000   1st Qu.:1.000
 Median : 7.000   Median :15.00   Median : 35000   Median :1.000
 Mean   : 7.278   Mean   :14.09   Mean   : 45104   Mean   :1.096
 3rd Qu.:10.000   3rd Qu.:25.00   3rd Qu.: 60000   3rd Qu.:1.000
 Max.   :20.000   Max.   :30.00   Max.   :120000   Max.   :2.000
 NA's   :12757    NA's   :12757   NA's   :12758    NA's   :12759
     q1606           q1607          quarter       interviewer
 Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   : 1.00
 1st Qu.:2.000   1st Qu.:2.000   1st Qu.:2.000   1st Qu.: 1.00
 Median :2.000   Median :2.000   Median :3.000   Median : 2.00
 Mean   :1.865   Mean   :1.804   Mean   :2.562   Mean   : 6.51
 3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:4.000   3rd Qu.: 5.00
 Max.   :2.000   Max.   :2.000   Max.   :4.000   Max.   :34.00
 NA's   :12759   NA's   :12760
   supervisor
 Min.   : 1.00
```

```
 1st Qu.: 3.00
 Median :45.00
 Mean   :41.58
 3rd Qu.:65.00
 Max.   :85.00


## 19 ####  Foodout  #########
    identif         cluster           aimag            soum
 Min.   :    1   Min.   :   1.0   Min.   :11.00   Min.   : 1.00
 1st Qu.: 3198   1st Qu.: 374.0   1st Qu.:11.00   1st Qu.: 1.00
 Median : 6396   Median : 752.0   Median :45.00   Median :16.00
 Mean   : 6401   Mean   : 733.4   Mean   :44.15   Mean   :17.88
 3rd Qu.: 9605   3rd Qu.:1089.0   3rd Qu.:65.00   3rd Qu.:25.00
 Max.   :12811   Max.   :1428.0   Max.   :85.00   Max.   :76.00

    location          item           q1507           q1508
 Min.   :1.000   Min.   :22501   Min.   :0.000   Min.   :      0
 1st Qu.:1.000   1st Qu.:22501   1st Qu.:2.000   1st Qu.:  10488
 Median :2.000   Median :22501   Median :2.000   Median :  29050
 Mean   :2.383   Mean   :22501   Mean   :1.872   Mean   :  48107
 3rd Qu.:3.000   3rd Qu.:22502   3rd Qu.:2.000   3rd Qu.:  60000
 Max.   :4.000   Max.   :22502   Max.   :2.000   Max.   :2359000
                                                 NA's   :22306
     q1509            quarter       interviewer       supervisor
 Min.   :      0   Min.   :1.000   Min.   : 1.000   Min.   : 1.00
 1st Qu.:      0   1st Qu.:2.000   1st Qu.: 1.000   1st Qu.: 3.00
 Median :      0   Median :3.000   Median : 2.000   Median :45.00
 Mean   :   9502   Mean   :2.561   Mean   : 6.494   Mean   :41.64
 3rd Qu.:      0   3rd Qu.:4.000   3rd Qu.: 5.000   3rd Qu.:65.00
 Max.   :1728000   Max.   :4.000   Max.   :34.000   Max.   :85.00
 NA's   :22306


## 20 ####  Basicvars  #########
    identif         cluster          newaimag       location
 Min.   :    1   Min.   :   1.0   Min.   :11.0   Min.   :1.000
 1st Qu.: 3204   1st Qu.: 374.0   1st Qu.:11.0   1st Qu.:1.000
 Median : 6406   Median : 754.0   Median :45.0   Median :2.000
 Mean   : 6406   Mean   : 733.7   Mean   :44.1   Mean   :2.411
 3rd Qu.: 9608   3rd Qu.:1088.0   3rd Qu.:65.0   3rd Qu.:3.000
 Max.   :12811   Max.   :1428.0   Max.   :85.0   Max.   :4.000
     urban           region          month           quarter
 Min.   :1.00   Min.   :1.000   Min.   : 1.000   Min.   :1.000
 1st Qu.:1.00   1st Qu.:2.000   1st Qu.: 4.000   1st Qu.:2.000
 Median :1.00   Median :3.000   Median : 7.000   Median :3.000
 Mean   :1.45   Mean   :3.081   Mean   : 6.687   Mean   :2.562
 3rd Qu.:2.00   3rd Qu.:5.000   3rd Qu.:10.000   3rd Qu.:4.000
 Max.   :2.00   Max.   :5.000   Max.   :12.000   Max.   :4.000
     strata        hhweight          hhsize         aimagsoum
 Min.   :1.00   Min.   :  5.056   Min.   : 1.000   Min.   : 1.00
 1st Qu.:1.00   1st Qu.: 31.911   1st Qu.: 3.000   1st Qu.: 9.00
 Median :2.00   Median : 52.942   Median : 4.000   Median :36.00
 Mean   :2.17   Mean   : 57.689   Mean   : 3.641   Mean   :38.47
 3rd Qu.:3.00   3rd Qu.: 90.987   3rd Qu.: 5.000   3rd Qu.:62.00
 Max.   :3.00   Max.   :194.445   Max.   :15.000   Max.   :93.00
```

5.3 Frequency tables of categorical variables

DATA CHECK OF CATEGORICAL VARIABLES

```
> for(k in 1:20){
+ df<-outfiles[[k]]
+ cb<-vector(length=ncol(df),mode="list")
+ # cb: data frame of codebook
+ n<-length(cb)
+ if(k>1) {n<- n-1}
+ for(j in 1:n){
+ cb[[j]]$varname<-names(df)[j]
+ cb[[j]]$varlabel<-attributes(df)$var.labels[j]
+ cb[[j]]$vallabel<-(attributes(df)$label.table[attributes(df)$val.labels])[[j]]
+ }
+ # print
+ cat("¥n¥n","#### FREQUENCY OF VARIABLES IN ",k,":", Rnames[k],
+ "########################################¥n¥n")
+ for(j in 1:length(cb)){
+ if(k>=14 & k<=19 & j==2) {next}
+ if(k==15 & j==3) {next}
+ if(k==17 & j==3) {next}
+ if(k==1 & is.element(j,c(60,65))) {next}
+ if(length(cb[[j]])==3){  # including value labels
+   cat(" -----",j,":",cb[[j]]$varname," :",cb[[j]]$varlabel,"-------------------------")
+   print(table(outfiles[[k]][j],useNA="ifany"))
+ } # end of if
+ } # end of for j
+ } # end of for k


 #### FREQUENCY OF VARIABLES IN  1 : Household ########################################

 ----- 5 : aimag  : Aimag -------------------------
  11   21   22   23   41   43   44   45   46   48   61   62   63   64   65   67   81   82   83
3578  312  408  504  504  407  309  693  312  600  696  504  312  408  504  600  408  312  408
  84   85
 312  720
 ----- 7 : location  : Location -------------------------
   1    2    3    4
3578 3473 3071 2689
 ----- 18 : v1_res  : v1_Result -------------------------
   1    2    3    4    5    6    7
6755 5519  206  202   97    3   29
 ----- 22 : v2_res  : Visit 2 Result -------------------------
   1    2    3    4    5    6    7 <NA>
1086 5509  202  194   70    2    3 5745
 ----- 26 : v3_res  : Visit 3 Result -------------------------
   1    2    3    4    5    6 <NA>
2136 4557  159  152   36    3 5768
 ----- 30 : v4_res  : Visit 4 Result -------------------------
   1    2    4 <NA>
5589  249    2 6971
```

```
 ----- 31 : q0701  : Q0701  Raised or Owned Herding,poultry or any animal? ---------------
   1    2
4693 8118
 ----- 32 : q0707  : Q0707 Has produced animal products past 12m? ---------------------
   1    2 <NA>
4353  340 8118
 ----- 33 : q0715  : Q0715 Agricultural land in past 12 m? ------------------------
    1     2
  960 11851
 ----- 35 : q0717  : Q0717 Has vegetables, fruits in pas 12M ------------------------
    1     2  <NA>
  886    74 11851
 ----- 37 : q0801  : Q0801 Are there household enterprises? ------------------------
    1     2
 2103 10708
 ----- 39 : q0907  : Q0907 Has any member received money or goods ----------------------
    1     2
 2433 10378
 ----- 40 : q1001  : Q1001 ------------------------
   1    2
3031 9780
 ----- 42 : q1003  : Q1003 ------------------------
   1    2
5607 7204
 ----- 47 : q1102  : (11.02)  Is main dwelling? -------------------------
    1     2
11915   896
 ----- 48 : q1103  : (11.03) Type of Dwellings -------------------------
   1    2    3    4    5    6    7    8    9
5833 2319  320 3968    9  109  185   57   11
 ----- 50 : q1105  : (11.05)  Main material of the walls -------------------------
   1    2    3    4    5 <NA>
2064 1687 2739   44  276 6001
 ----- 51 : q1106  : (11.06) Main material of the roof -------------------------
   1    2    3    4 <NA>
3062 2703  651  394 6001
 ----- 52 : q1107  : (11.07)  Main material of the floor ------------------------
   1    2    3    4 <NA>
4476 2010   97  227 6001
 ----- 57 : q1112  : (11.12) Covering of the ceiling -------------------------
   1    2 <NA>
1643 4301 6867
 ----- 58 : q1113  : (11.13) Covering of the frame -------------------------
   1    2 <NA>
1632 4312 6867
 ----- 59 : q1114  : (11.14) Main material of the floor ------------------------
   1    2    3 <NA>
2869 2884  191 6867
 ----- 62 : q1117  : (11.17) Type of ownership -------------------------
    1     2     3
  217   166 12428
 ----- 63 : q1118  : (11.18) How was acquired -------------------------
   1    2    3    4    5    6    7 <NA>
 390 1483  888 4583 4075  623  386  383
 ----- 64 : q1119  : (11.19)  Did you borrow any money to acquire ------------------------
   1    2 <NA>
```

```
1103 8564 3144
 ----- 67 : q1122  : (11.22) What is the main source of heating ------------------------
   1    2    3    4    5
2617  425   68 9684   17
 ----- 68 : q1123  : (11.23) Source of electricity -------------------------
    1     2     3     4     5     6     7
10358    62  2152    86    28   104    21
 ----- 69 : q1124  : (11.24) Electricity resource adequate for operating electricd --------
    1     2
11184  1627
 ----- 70 : q1125  : (11.25) Water supply -------------------------
   1    2    3    4    5    6    7    8
2131  402 4514 1356 2575 1621  176   36
 ----- 72 : q1127  : Household waste disposal -------------------------
   1    2    3    4
6561 3590 2262  398
 ----- 73 : q1128  : What type of toilet do you have -------------------------
   1    2    3    4
2472  227 8642 1470
 ----- 74 : q1129  : Has a telephone -------------------------
    1     2     3     4
  488 11087   684   552
 ----- 79 : q1131  : 1131. Anybody from your household own or exploit land ? ----------------
   1    2
5544 7267
 ----- 82 : q1133  : 1133. Use internet normally? -------------------------
   1    2
3249 9562
 ----- 84 : q1135_1  : 1135_1. Where used internet, at home -------------------------
   1    2 <NA>
1447 1802 9562
 ----- 85 : q1135_2  : 1135_2. Where used internet, at work -------------------------
   1    2 <NA>
1444 1805 9562
 ----- 86 : q1135_3  : 1135_3. Where used internet, internet café -------------------------
   1    2 <NA>
1127 2122 9562
 ----- 87 : q1135_4  : 1135_4. Where used interne, free public accesst -----------------
   1    2 <NA>
 680 2569 9562
 ----- 88 : q1135_5  : 1135_5. Where used internet, other -------------------------
   1    2 <NA>
 231 3018 9562


 #### FREQUENCY OF VARIABLES IN  2 : Individual ########################################

 ----- 4 : aimag  : Aimag -------------------------
   11    21    22    23    41    43    44    45    46    48    61    62    63    64    65
67
13538  1130  1571  1840  1766  1405  1089  2545   985  2174  2684  1827  1161  1445  1792
1957
   81    82    83    84    85
 1485  1137  1996  1327  3054
 ----- 6 : location  : Location ------------------------
    1     2     3     4
```

```
13538 12964 11405 10001
 ----- 10 : q0102  : 1.02  Relationship to head ------------------------
    1     2     3     4     5     6     7     8     9    10    11
12815  9049 21765   515   782   106   433    40  1969   415    19
 ----- 11 : q0103  : 1.03 Sex ------------------------
    1     2
23309 24599
 ----- 15 : q0106  : 1.06 Marital Status ------------------------
    1     2     3     4     5     6  <NA>
11231 17863  1781   443   601  2602 13387
 ----- 16 : q0107  : 1.07 Spouse ID CODE ------------------------
   1    2    3    4    5    6    7    8    9   10   11   12   13   14   98  <NA>
9050 9184  349  209  107   73   34    5    3    7    5    1    2    2  613 28264
 ----- 17 : q0108  : 1.08 Father ID CODE ------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    13    14    99
18273   324   231   107    73    46    27     1     1     4     3     4     1     1 28812
 ----- 18 : q0109  : 1.09 Mother ID CODE ------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    14    99
 3291 18557   740   357   192    93    41    19     8     2     3     1     1 24603
 ----- 21 : q0111  : 1.11 Is HH member? ------------------------
    1     2
46648  1260
 ----- 22 : q0201  : 2.01 Is 6 years or more? ------------------------
    1     2  <NA>
 5454 41194  1260
 ----- 23 : q0202  : 2.02 Is answering personally? ------------------------
    1     2     3     4     5     6     7     9    10  <NA>
 1833  3329   169    64    38    15     3     2     1 42454
 ----- 25 : q0204  : 2.04 Highest certificate obtained ------------------------
    1     2     3     4     5     6     7     8     9  <NA>
 1263    35   319   427    39   106    23   516   292 44888
 ----- 26 : q0205  : 2.05 Can read a letter? ------------------------
    1     2     3  <NA>
 2345    76    13 45474
 ----- 32 : q0207  : 2.07 Check age/ between 8-35 years ------------------------
    1     2  <NA>
40802  5846  1260
 ----- 33 : q0208  : 2.08 Reason never attended school ------------------------
    1     2  <NA>
19587 21215  7106
 ----- 35 : q0210  : 2.10  Highest certificate obtained ------------------------
    1     2     3     4     5     6     7     8     9    10  <NA>
 5127  6032  8258 11501  1498  2056  2421  3527   354    28  7106
 ----- 36 : q0211  : 2.11 Can read a letter? ------------------------
    1     2     3  <NA>
 8282  2086   788 36752
 ----- 37 : q0212  : 2.12 Are you attending School? ------------------------
    1     2     3     4  <NA>
12717  2221   883 24981  7106
 ----- 39 : q0214  : 2.14 Check age/ between 8-35 years ------------------------
    1     2  <NA>
 1504  1600 44804
 ----- 40 : q0215  : 2.15 Reason never attended school ------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    13  <NA>
  530   298    27     3    16    64   146   276    46    12    12     3    71 46404
 ----- 41 : q0216t  : 2.16 Current education TYPE ------------------------
```

```
   1     2     3     4  <NA>
9428   338  2890    61 35191
----- 43 : q0217  : 2.17  Type of School -------------------------
   1     2     3  <NA>
11591  1069    57 35191
----- 44 : q0218  : 2.18 School Location -------------------------
   1     2     3     4  <NA>
5010  3849  3776    82 35191
----- 45 : q0219  : 2.19 Place where person lives during school -------------------------
   1     2     3     4     5  <NA>
9050   417  1162  1798   290 35191
----- 48 : q0222  : 2.22 Pay tuition? -------------------------
   1     2  <NA>
3273  9444 35191
----- 49 : q0223  : 2.23 -------------------------
   1     2  <NA>
 687  2586 44635
----- 50 : q0224  : 2.24 -------------------------
   1     2     3     4     5     6     7  <NA>
 177   451     3    39     3     1    13 47221
----- 59 : q0301  : 3.01 Answering personally? -------------------------
   1     2  <NA>
20146 26502  1260
----- 61 : q0303  : 3.03 Any health problem during past month? -------------------------
   1     2  <NA>
43617  3031  1260
----- 62 : q0304  : 3.04 Health problem (1) -------------------------
   1     2     3     4     5     6     7  <NA>
1095   336   278     1   392   658   275 44873
----- 63 : q0305  : 3.05 Did you seek treatment in past 1 M? -------------------------
   1     2  <NA>
1855 44793  1260
----- 64 : q0306  : 3.06 Why didn't seek treatment? -------------------------
   0     1     2     3     4     5     6  <NA>
   2   192   130   193   460   399   484 46048
----- 65 : q0307  : 3.07 Where was treatment provided? -------------------------
   1     2  <NA>
3117 43531  1260
----- 66 : q0308_1  : 3.08 Who provided medical service for your treatment? - First ------
   1     2     3     4     5     6  <NA>
 994   330   167   646   491   489 44791
----- 67 : q0308_2  : 3.08  Who provided medical service for your treatment? - Second ------
   0     1     2     3     4     5     6  <NA>
2751    88    64    34    76    45    58 44792
----- 69 : q0310  : 3.10  Have bought medicines in the past M ? -------------------------
   0     1     2  <NA>
   1  2502   615 44790
----- 71 : q0312  : 3.12 Have stayed at hospital in past 12 M? -------------------------
   1     2     3     4     5     6  <NA>
 588   721   901   264     7    21 45406
----- 72 : q0313  : 3.13  What was the Hospital ? -------------------------
   1     2     3     4     5     6  <NA>
2016   449     7    12     9     9 45406
----- 77 : q0317  : 3.17 -------------------------
   1     2  <NA>
4902 41744  1262
```

```
----- 78 : q0318  : 3.18 -------------------------
   1     2     3     4     5     6  <NA>
1424  1741  1027   645    17    51 43003
----- 79 : q0319  : 3.19 -------------------------
   1     2     3     4  <NA>
4831    39    15    20 43003
----- 83 : q0323  : 3.23 -------------------------
   1     2  <NA>
5963 40685  1260
----- 84 : q0324  : 3.24 -------------------------
   1     2  <NA>
 248 46400  1260
----- 85 : q0325  : 3.25 -------------------------
   1     2  <NA>
 266 46382  1260
----- 86 : q0401  : 4.01 Respondent 10 yrs or more? --------------------------
   1     2  <NA>
13562 33084  1262
----- 87 : q0402  : 4.02 Answering by himself? -------------------------
   1     2  <NA>
9288  4275 34345
----- 88 : q0403  : 4.03 ID CODE of respondent -------------------------
   1     2  <NA>
8098  1190 38620
----- 89 : q0404  : 4.04 Did you any job for the past 7 days? -------------------------
   1     2  <NA>
1574  6524 39810
----- 90 : q0405  : 4.05 What kind of work was the main job you did? -------------------------
   1     2     3     4     5     6     7     8  <NA>
 489   250    30   399    81   227    19    79 46334
----- 91 : q0406  : 4.06 Any permanent job despite you did no job in last 7 day ----------
   1     2  <NA>
3132  4966 39810
----- 92 : q0407  : 4.07 Main reasong for not doing job in last 7 days -------------------------
   1     2     3     4     5     6     7     8     9    10    11  <NA>
 705  1322   188   241     6   384    87     7   144    17    31 44776
----- 107 : q0601  : 6.01 ------------------------
   1     2  <NA>
37703  8941  1264
----- 108 : q0602  : 6.02 -------------------------
   1     2  <NA>
19327 18375 10206
----- 110 : q0604  : 6.04 -------------------------
   1     2  <NA>
17213 20489 10206
----- 111 : q0605  : 6.05 -------------------------
   1     2     3     4     5  <NA>
9624   312  4934   140  2204 30694
----- 112 : q0606  : 6.06 -------------------------
   1     2  <NA>
1746 18743 27419
----- 113 : q0607  : 6.07 -------------------------
   1     2     3     4     5     6     7     8  <NA>
 170   126   125   176   151   469   189   339 46163
----- 114 : q0608  : 6.08 -------------------------
   1     2  <NA>
```

```
  615 18130 29163
 ----- 115 : q0609  : 6.09 ------------------------
    1     2     3     4     5     6  <NA>
   98   220   184     7    78    28 47293
 ----- 116 : q0610  : 6.10 ------------------------
    1     2     3     4     5     6     7     8  <NA>
 9515  3608  1758   551    64   119  1012  1503 29778
 ----- 117 : q0611  : 6.11 ------------------------
    1     2  <NA>
  922  4701 42285
 ----- 121 : q0615  : 6.15 ------------------------
    1     2     3     4     5     6     7     8     9  <NA>
  140   102   733  4084   406    96  3900   257  9244 28946
 ----- 122 : q0616  : 6.16 ------------------------
    1     2  <NA>
10903  8062 28943
 ----- 126 : q0618  : 6.18 ------------------------
    1     2  <NA>
  315 10590 37003


 #### FREQUENCY OF VARIABLES IN  3 : Llivestock ########################################

 ----- 2 : ani_id  : animal ------------------------
   1    2    3    4    5    6
3411 2844  565 3671 3937   70
 ----- 4 : aimag  : 2. Aimag ------------------------
  11   21   22   23   41   43   44   45   46   48   61   62   63   64   65   67   81   82   83
 181  475 1022  832  852  369  392  167  491 1081  312  954  546  815  824 1137  762  622  778
  84   85
 470 1416
 ----- 6 : location  : 4. Location ------------------------
   1    2    3    4
 181 1601 4357 8359


 #### FREQUENCY OF VARIABLES IN  4 : Livestock Expenditure ############################

 ----- 2 : exp_id  : ani_exp ------------------------
   1    2    3    4    5    6    7
3211 2633 2149  241  450  239   88
 ----- 4 : aimag  : 2. Aimag ------------------------
  11   21   22   23   41   43   44   45   46   48   61   62   63   64   65   67   81   82   83
 185  267  482  609  659  254  263  178  297  720  305  481  298  367  429  562  484  233  601
  84   85
 222 1115
 ----- 6 : location  : 4. Location ------------------------
   1    2    3    4
 185 1062 2606 5158


 #### FREQUENCY OF VARIABLES IN  5 : Product ########################################

 ----- 2 : byprod_id  : byprod ------------------------
   1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17
4354 4353 4361 4353 4355 4358 4356 4356 4356 4356 4356 4356 4356 4356 4356 4356 4356
```

```
 ----- 4 : aimag  : 2. Aimag -----------------------
  11   21   22   23   41   43   44   45   46   48   61   62   63   64   65   67   81   82   83
 865 2074 4556 3842 4216 1819 1700 1037 2550 6035 1751 5168 2431 4505 4250 5865 3961 3009 4777
  84   85
2210 7429
 ----- 6 : location  : 4. LOCATION -----------------------
    1     2     3     4
  865  9010 24701 39474


 #### FREQUENCY OF VARIABLES IN  6 : Crop ########################################

 ----- 2 : crop_id  : crop -----------------------
  1   2   3   4   5   6   7   8   9  10  11  12  13
659 336 254 156 123 234  29  98 163  51  26 182  42
 ----- 4 : aimag  : 2. Aimag -----------------------
 11  21  22  23  41  43  44  45  46  48  61  62  63  64  65  67  81  82  83  84  85
135  75  32 213  88 354  14 235  26   1 223  53 161  21  41  54  82  35 220  17 273
 ----- 6 : location  : 4. Location -----------------------
  1   2   3   4
135 848 957 413
 ----- 7 : q0719  : 7.19 Did harvest during past 12 M? -----------------------
   1    2
2352    1


 #### FREQUENCY OF VARIABLES IN  7 : Agriultural Expenditure ######################

 ----- 2 : exp_id  : exp -----------------------
  1   2   3   4   5   6   7   8   9  10  11  12  13
886 886 886 886 886 886 886 886 886 886 886 886 886
 ----- 4 : aimag  : 2. Aimag -----------------------
  11   21   22   23   41   43   44   45   46   48   61   62   63   64   65   67   81   82   83
 585  273  169  910  767 1287   52  923   78   13  871  338  767  104  338  286  507  143 1560
  84   85
  78 1469
 ----- 6 : location  : 4. Location -----------------------
   1    2    3    4
 585 3289 5096 2548


 #### FREQUENCY OF VARIABLES IN  8 : Enterprise #########################################

 ----- 3 : aimag  : 2. Aimag -----------------------
 11  21  22  23  41  43  44  45  46  48  61  62  63  64  65  67  81  82  83  84  85
714  51  71  61  57  54  50 159  39 109 132  92  48  65  44  31 106  54  82  52 271
 ----- 5 : location  : 4. Location -----------------------
  1   2   3   4
714 890 583 155


 #### FREQUENCY OF VARIABLES IN  9 : Other income ########################################

 ----- 2 : income_id  : income -----------------------
    1     2     3     4     5     6     7     8     9    10    11    12    13    14    15    16
12812 12811 12811 12809 12812 12811 12811 12811 12811 12806 12814 12811 12811 12813 12811 12811
```

```
   17    18    19    20    21    22    23    24    25    26
12811 12811 12811 12811 12811 12811 12811 12811 12811 12811
 ----- 4 : aimag  : 2. Aimag -------------------------
   11    21    22    23    41    43    44    45    46    48    61    62    63    64    65    67
93028  8112 10608 13104 13104 10582  8034 18018  8112 15600 18096 13104  8112 10608 13104 15600
   81    82    83    84    85
10608  8112 10608  8112 18720
 ----- 6 : location  : 4. Location -------------------------
    1     2     3     4
93028 90298 79846 69914
 ----- 7 : q0901  : 9.01 Has anybody received ... -------------------------
     1      2
 26536 306550


 #### FREQUENCY OF VARIABLES IN  10 : Remittance ########################################

 ----- 4 : aimag  : 2. Aimag -------------------------
  11   21   22   23   41   43   44   45   46   48   61   62   63   64   65   67   81   82   83
1051  145  195  131  118   21  105   91  889   28  182   68   23   25    6   39  247   64   53
  84   85
  31  158
 ----- 6 : location  : 4. Location -------------------------
   1    2    3    4
1051 1033  812  774
 ----- 8 : q0909  : 9.09  Who gave the gift -------------------------
   1    2    3    4    5    6    7
 280  919   35 2266   55   29   86
 ----- 9 : q0910  : 9.10 Purpose of the receipt -------------------------
   1    2    3    4    5    6    7    8
2639  338  257   55  210   25   27  119
 ----- 10 : q0911  : 9.11 From where the gifts -------------------------
   1    2    3    4    5
1035 1213  734  417  271
 ----- 13 : q0914  : 9.14 Do receive it regularly? -------------------------
   1    2    3    4    5
  22  339  131  760 2418


 #### FREQUENCY OF VARIABLES IN  11 : Savings loan ########################################

 ----- 3 : aimag  : 2. Aimag -------------------------
  11   21   22   23   41   43   44   45   46   48   61   62   63   64   65   67   81   82   83
1194  145  225  352  300  191  186  408  156  288  360  272  198  242  171  229  241  147  239
  84   85
 175  586
 ----- 5 : location  : 4. Location -------------------------
   1    2    3    4
1194 2076 2019 1016
 ----- 7 : q1005  : 10.05 Kind of loans? -------------------------
   1    2    3    4    5    6    7    8    9
2492  955  310  381  708  611  460  124  264
 ----- 8 : q1006  : 10.06 Did you get this loan in the past 12 months?     ----------
   1    2
5464  841
 ----- 10 : q1008  : 10.08  Is it possible for your household  to  repay the loan in time? ----
   1    2    3
```

```
6116   55  134
 ----- 11 : q1009  : 10.09 Where do you or does any member of this household get this loans? ----
   1    2    3    4    5    6    7
5945  103   36   69  108   20   24
 ----- 12 : q1010a  : 10.10 What was the loan purpose/function? -------------------------
   1    2    3    4    5    6    7    8
3399  656  695  106  419  586   43  401
 ----- 13 : q1010b  : 10.10 What was the loan purpose/function? -------------------------
   0    1    2    3    4    5    6    7    8 <NA>
  11  206   88   48   32  140   57   14  153 5556
 ----- 14 : q1010c  : 10.10 What was the loan purpose/function? -------------------------
   0    1    2    3    4    5    6    7    8 <NA>
  10   19    3   12    7   14   11    1   87 6141


 #### FREQUENCY OF VARIABLES IN  12 : Energy ########################################

 ----- 3 : aimag  : 2. Aimag -------------------------
   11    21    22    23    41    43    44    45    46    48    61    62    63    64    65    67
32202  2808  3672  4536  4536  3663  2781  6237  2808  5400  6264  4536  2808  3672  4536  5400
   81    82    83    84    85
 3672  2808  3672  2808  6480
 ----- 5 : location  : 4. location -------------------------
    1     2     3     4
32202 31257 27639 24201
 ----- 6 : energy_id  : Source Number -------------------------
    1     2     3     4     5     6     7     8     9
12811 12811 12811 12811 12811 12811 12811 12811 12811
 ----- 7 : q1136  : 11.36 Have used the source? -------------------------
    1     2
28633 86666
 ----- 8 : q1137  : 11.37  How do you mainly obtain [FUEL]?      -------------------------
    0     1     2     3     4  <NA>
    1  5157 12374   311   244 97212


 #### FREQUENCY OF VARIABLES IN  13 : Payment service ########################################

 ----- 3 : aimag  : 2. Aimag -------------------------
   11    21    22    23    41    43    44    45    46    48    61    62    63    64    65    67
46514  4056  5304  6552  6552  5291  4017  9009  4056  7800  9048  6552  4056  5304  6552  7800
   81    82    83    84    85
 5304  4056  5304  4056  9360
 ----- 5 : location  : 4. Location -------------------------
    1     2     3     4
46514 45149 39923 34957
 ----- 6 : item  : Service Number -------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    13
12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811
 ----- 7 : q1142  : 1142. Have bought or received free.. during past 12 m?   ------------
     1      2   <NA>
 26013 140529      1


 #### FREQUENCY OF VARIABLES IN  14 : Durable ########################################

 ----- 3 : aimag  : 2. Aimag -------------------------
```

```
   11     21     22     23     41     43     44     45     46     48     61     62     63     64
157432  13728  17952  22176  22176  17908  13596  30492  13728  26400  30624  22176  13728  17952
   65     67     81     82     83     84     85
 22176  26400  17952  13728  17952  13728  31680
 ----- 5 : location  : 4. Location -------------------------
     1      2      3      4
157432 152812 135124 118316
 ----- 6 : durable_id  : GOOD NUMBER -------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    13    14    15    16
12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811
   17    18    19    20    21    22    23    24    25    26    27    28    29    30    31    32
12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811
   33    34    35    36    37    38    39    40    41    42    43    44
12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811 12811


 #### FREQUENCY OF VARIABLES IN  15 : Non-Food ########################################

 ----- 5 : aimag  : 2. Aimag -------------------------
    11      21      22      23      41      43      44      45      46      48      61      62
1291658  112632  147288  181944  181944  146927  111549  250173  112632  216600  251256  181944
    63      64      65      67      81      82      83      84      85
 112632  147288  181944  216600  147288  112632  147288  112632  259920
 ----- 7 : location  : 4. Location -------------------------
      1       2       3       4
1291658 1253753 1108631  970729
 ----- 8 : q1301  : 1301. Have you bought or received for the last 12 Ms -----------------
      1       2
 701349 3923422


 #### FREQUENCY OF VARIABLES IN  16 : Urban Diary ########################################

 ----- 3 : aimag  : 2. Aimag -------------------------
   11     21     22     23     41     43     44     45     46     48     61     62     63     64
440094  14760  14760  14760  14760  14637  14391  73431  14760  14760  73800  14760  14760  14760
   65     67     81     82     83     84     85
 14760  14760  14760  14760  14760  14760  29520
 ----- 5 : location  : 4. Location -------------------------
     1      2
440094 427179


 #### FREQUENCY OF VARIABLES IN  17 : Rural Food 7 day ########################################

 ----- 5 : aimag  : 2. Aimag -------------------------
   21    22    23    41    43    44    45    46    48    61    62    63    64    65    67    81
23616 35424 47232 47232 35424 23616 11808 23616 59040 11808 47232 23616 35424 47232 59040 35424
   82    83    84    85
23616 35424 23616 59040
 ----- 7 : location  : 4. Location -------------------------
     3      4
377733 330747


 #### FREQUENCY OF VARIABLES IN  18 : Foodstuffs ########################################

 ----- 3 : aimag  : 2. Aimag -------------------------
```

```
  11   21   22   23   41   43   44   45   46   48   61   62   63   64   65   67   81   82   83
3578  312  408  504  504  407  309  693  312  600  696  504  312  408  504  600  408  312  408
  84   85
 312  720
 ----- 5 : location  : 4. Location ------------------------
   1    2    3    4
3578 3473 3071 2689
 ----- 6 : q1601  : (16.01)  ------------------------
    1     2  <NA>
 2115 10600    96
 ----- 7 : q1602  : (16.02)  ------------------------
    1     2  <NA>
   53  2035 10723
 ----- 12 : q1605  : (16.05)  ------------------------
    1     2  <NA>
   47     5 12759
 ----- 13 : q1606  : (16.06)  ------------------------
    1     2  <NA>
    7    45 12759
 ----- 14 : q1607  : (16.07) ------------------------
    1     2  <NA>
   10    41 12760


 #### FREQUENCY OF VARIABLES IN  19 : Foodout ########################################

 ----- 3 : aimag  : 2. Aimag ------------------------
  11   21   22   23   41   43   44   45   46   48   61   62   63   64   65   67   81   82   83
7114  624  816 1008 1008  814  618 1386  624 1199 1392 1008  624  816 1008 1200  816  624  816
  84   85
 624 1439
 ----- 5 : location  : 4. Location ------------------------
   1    2    3    4
7114 6944 6142 5378
 ----- 6 : item  : item ------------------------
22501 22502
12811 12767
 ----- 7 : q1507  :  ------------------------
    0     1     2
    6  3265 22307


 #### FREQUENCY OF VARIABLES IN  20 : Basicvars ########################################

 ----- 3 : newaimag  : New code of aimag ------------------------
  11   21   22   23   41   43   44   45   46   48   61   62   63   64   65   67   81   82   83
3578  312  408  504  504  407  309  693  312  600  696  504  312  408  504  600  408  312  408
  84   85
 312  720
 ----- 4 : location  : Strata 4 locations ------------------------
   1    2    3    4
3578 3473 2672 3088
 ----- 5 : urban  : Urban/rural ------------------------
   1    2
7051 5760
 ----- 6 : region  : Region ------------------------
```

1	2	3	4	5
2160	3024	2825	1224	3578

5.4 Consistency check of identifier

- Found no unmatched household identifier “identif”.

```
> HHID<-outfiles[[1]]$identif
> length(HHID)
[1] 12811
> for(j in 1:20) cat("¥n",j,":",sum(!is.element(outfiles[[j]]$identif,HHID)))

 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
```

Chapter 6. Household Income

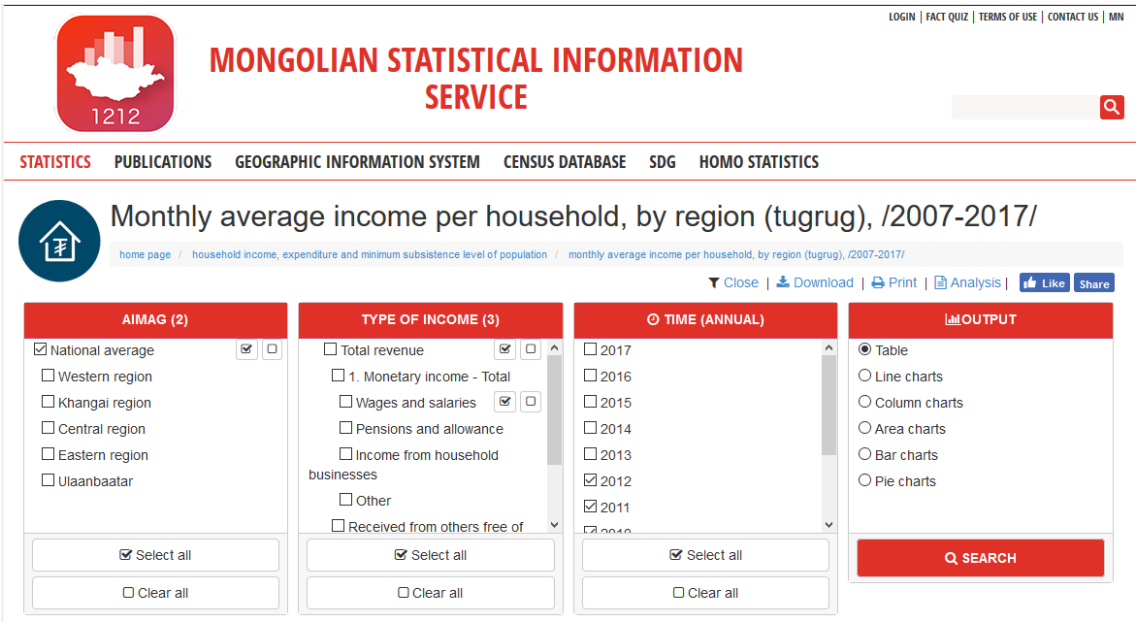
6.1 Results of household income

- According to the Mongolian NSO's database of www.1212.mn, the monthly average income per household in 2012 is as the next.

Type of income	2012
Total revenue	819,996.
1. Monetary income - Total	741,917.
Wages and salaries	372,114.
Pensions and allowance	155,686.
Income from household businesses *	145,740.
Other	68,377.
Received from others free of charge	31,967.
Foodstuff, which consumed from private farm or enterprise	46,112.

http://www.1212.mn/tables.aspx?tbl_id=DT_NSO_1900_001V2&SOUM_select_all=0&SOUMSingleSelect=_0&HSES1_select_all=0&HSES1SingleSelect=&YearY_select_all=0&YearYSingleSelect=_2012_2011_2010&viewtype=table
(accessed on 13 November 2018)

- Remarks: Income from household business
  According to the delegates from Mongolia to the workshop, income from business in the above table includes;
  - Income from livestock products
  - Income from agriculture / crop products/
  - Income from non-agricultural production and services



Aimag	Type of income	2010	2011	2012
National average	Total revenue	448,027	573,541	819,996
	1. Monetary income - Total	387,099	503,936	741,917
	Wages and salaries	200,167	248,385	372,114
	Pensions and allowance	67,131	114,368	155,686
	Income from household businesses	82,855	98,627	145,740
	Other	36,946	42,556	68,377
	Received from others free of charge	19,356	22,626	31,967
	Foodstuff, which consumed from private farm or enterprise	41,572	46,979	46,112

- Also the metadata is provided on the web as follows;

[Indicator metadata] | **Нэг өрхийн сарын дундаж орлого**

Version 1.0.0

Өрхийн орлого: Өрхийн төсвийн үндэс бөгөөд тогтсон болон тогтмол бус хугацаанд орж ирж байгаа бараа, үйлчилгээ, мөнгөн орлого юм.

active Идэвхтэй | security Нээлттэй | хэл MGL, ENG | Last modified date Jun 13 2018 10:21AM

	Mongolian	English
1. Name	*Нэг өрхийн сарын дундаж орлого*	*Monthly average income per household*
2. Sector	*Ядуурал, өрхийн орлого, зарлага, дундаж хэрэглээ, АДТ*	*Household income, expenditure and minimin subsistence level of population*
3. Sub sector		
4. Definition	*Өрхийн орлого: Өрхийн төсвийн үндэс бөгөөд тогтсон болон тогтмол бус хугацаанд орж ирж байгаа бараа, үйлчилгээ, мөнгөн орлого юм.*	*Household income is a basis of household budget, and it consists of monetary income, good and services received over the fixed and non-fixed period of time.*
5. Methodology name		
6. Methodology	*Нэг өрхийн сарын дундаж орлого: Өрхийн нийт орлогыг өрхийн мөнгөн орлого дээр өрхийн өөрийн аж ахуйгаас бэлтгэж хэрэглэсэн болон бусдаас үнэгүй авч хэрэглэсэн зүйлийн мөнгөн дүнг нэмж тодорхойлно. Нэг өрхөд ногдох дундаж үзүүлэлтийг жилийн турш судалгаанд хамрагдсан өрхүүдийн сарын дунджаар нийт өрхөд тархаан тооцож байна.*	*The total income of a household is defined by the sum of the household's monetary income and the value of consumed commodities from own farming and received from others free of charge. The average income per household is calculated by the monthly average value of the households, surveyed for the year.*
7. Estimate started time	*1997--*	
8. Frequency of data estimate	*Улирал, Жил*	*Quarter, Annual*
9. Unit	*мян.төг*	*tous.tugrugs*
10. Source	*Өрхийн нийгэм, эдийн засгийн судалгаа*	*Household socio-economic survey*

☐ **Generated household-level monthly income data for each income component.**

6.2 Wage income

Data frame: 02 Individual (HSES 2012)

Variables from questionnaire/codebook
q0616: Do you receive any salary in cash and/or in kind?
q0617_1: Salary amount **in the past month**
q0617_2: Salary amount**in the past12 months**
q0617_3: Bonuses and special allowances (12M)
q0618: Did you any another job for the past 12 months?
q0619_1: Salary amount **in the past month**
q0619_2: Salary amount**in the past 12 months**
q0619_3: Bonuses and special allowances (12M)

Note: The wage questions of HSES 2012 are different from questionnaire HSES 2010.

```
> d<-outfiles[[2]]  # 02_indiv
> dim(d)
[1] 47908   129
> colnames(d)
  [1] "identif"     "ind_id"      "cluster"     "aimag"       "soum"
  [6] "location"    "quarter"     "interviewer" "supervisor"  "q0102"
 [11] "q0103"       "q0104"       "q0105y"      "q0105m"      "q0106"
 [16] "q0107"       "q0108"       "q0109"       "q0110a"      "q0110"
 [21] "q0111"       "q0201"       "q0202"       "q0203"       "q0204"
 [26] "q0205"       "q0206_1"     "q0206_2"     "q0206_3"     "q0206_4"
 [31] "q0206_5"     "q0207"       "q0208"       "q0209"       "q0210"
 [36] "q0211"       "q0212"       "q0213"       "q0214"       "q0215"
 [41] "q0216t"      "q0216g"      "q0217"       "q0218"       "q0219"
 [46] "q0220"       "q0221"       "q0222"       "q0223"       "q0224"
 [51] "q0225"       "q0226_1"     "q0226_2"     "q0226_3"     "q0226_4"
 [56] "q0226_5"     "q0226_6"     "q0226_7"     "q0301"       "q0302"
 [61] "q0303"       "q0304"       "q0305"       "q0306"       "q0307"
 [66] "q0308_1"     "q0308_2"     "q0309"       "q0310"       "q0311"
 [71] "q0312"       "q0313"       "q0314a"      "q0314b"      "q0315"
 [76] "q0316"       "q0317"       "q0318"       "q0319"       "q0320"
 [81] "q0321"       "q0322"       "q0323"       "q0324"       "q0325"
 [86] "q0401"       "q0402"       "q0403"       "q0404"       "q0405"
 [91] "q0406"       "q0407"       "q0501"       "q0502"       "q0503"
 [96] "q0504"       "q0505"       "q0506"       "q0507"       "q0508"
[101] "q0509"       "q0510"       "q0511"       "q0512"       "q0513"
[106] "q0514"       "q0601"       "q0602"       "q0603"       "q0604"
[111] "q0605"       "q0606"       "q0607"       "q0608"       "q0609"
[116] "q0610"       "q0611"       "q0612"       "q0613"       "q0614"
[121] "q0615"       "q0616"       "q0617_1"     "q0617_2"     "q0617_3"
[126] "q0618"       "q0619_1"     "q0619_2"     "q0619_3"
```

- 10,903 household members received any salary, and 315 did another job.

```
> table(d$q0616,useNA="always")
    1     2  <NA>
10903  8062 28943

> table(d$q0618,useNA="always")
    1     2  <NA>
  315 10590 37003
```

- The data shows that q0617_1 is monthly and q0617_2 is annual.

```
> d2<-subset(d,q0616==1&q0618==1)
> head(d2[,122:129])
     q0616 q0617_1 q0617_2 q0617_3 q0618 q0619_1 q0619_2 q0619_3
798      1  196000 1350000  230000      1       0 1000000       0
866      1  320000 3840000  280000      1  145000 1740000       0
1025     1  140400 1684800       0      1  140400 1263600       0
1099     1  221000 2652000  353600      1       0 1250000       0
1219     1  200000 2400000       0      1  360000 4320000       0
1262     1  490000 5880000       0      1       0 1000000       0
```

- Regarding two reference periods: last month and last year, the HSES 2010 survey report describes as follows for non-food consumption (at page 69);
  "In this case information was taken from the last month if available, and if the household did not purchase anything in the last 30 days, information on the last year will be considered."

```
# Estimated monthly wage at each record level

> d3<-d[c(1:2,122:129)]
> dim(d3)
[1] 47908    10
> head(d3)
  identif ind_id q0616 q0617_1 q0617_2 q0617_3 q0618 q0619_1 q0619_2 q0619_3
1       1      1     2      NA      NA      NA    NA      NA      NA      NA
2       1      2     2      NA      NA      NA    NA      NA      NA      NA
3       1      3    NA      NA      NA      NA    NA      NA      NA      NA
4       2      1    NA      NA      NA      NA    NA      NA      NA      NA
5       2      2     1  250000 3000000       0     2      NA      NA      NA
6       2      3    NA      NA      NA      NA    NA      NA      NA      NA

>d3[is.na(d3)]<-0
# wage1: primary job
> d3$wage1<-ifelse(d3$q0617_1>0, d3$q0617_1, d3$q0617_2/12)
> d3$wage1<-d3$wage1+d3$q0617_3/12
```

```
# wage2: secondary job
> d3$wage2<-ifelse(d3$q0619_1>0, d3$q0619_1, d3$q0619_2/12)
> d3$wage2<-d3$wage2+d3$q0619_3/12
# wage3: total
> d3$wage3<-d3$wage1+d3$wage2
> head(d3[d3$wage2>0,])
     identif ind_id q0616 q0617_1 q0617_2 q0617_3 q0618 q0619_1 q0619_2
798      197      1     1  196000 1350000  230000     1       0 1000000
866      212      2     1  320000 3840000  280000     1  145000 1740000
1025     251      2     1  140400 1684800       0     1  140400 1263600
1099     273      1     1  221000 2652000  353600     1       0 1250000
1219     305      2     1  200000 2400000       0     1  360000 4320000
1262     314      1     1  490000 5880000       0     1       0 1000000
     q0619_3    wage1      wage2    wage3
798        0 215166.7  83333.33 298500.0
866        0 343333.3 145000.00 488333.3
1025       0 140400.0 140400.00 280800.0
1099       0 250466.7 104166.67 354633.3
1219       0 200000.0 360000.00 560000.0
1262       0 490000.0  83333.33 573333.3


# Number of wage earners within the household
> addmargins(table(tapply(d3$wage1,d3$identif,function(x) sum(x>0))))
    0     1     2     3     4     5     6     7   Sum
 5547  4192  2632   355    71    12     1     1 12811
```

- Aggregated at household level

- Generated function to aggregate at household level

```
> CollapseBy<-function(df,hhid,cols,ID=NULL){
+ # Version 2_20161217
+ # To aggregate variables assigned by cols in data frame df at hhid level
+ # df: data frame
+ # hhid: household variable
+ # cols: variables to be aggregated
+ # HHID: household id codes to be matched, or
+ #       unique(df$hhid) if not specified
+
+ if(is.numeric(hhid)){ hhid<-colnames(df)[hhid] }
+ if(is.numeric(cols)){ cols<-colnames(df)[cols] }
+ if(!missing(ID)) { y<-data.frame(ID,row.names=NULL)
+ }else{ y<-data.frame(unique(df[,hhid]),row.names=NULL) }
+ colnames(y)<-hhid
+ for(j in cols){
+ t<-aggregate(df[,j],list(df[,hhid]),sum,na.rm=T)
+ colnames(t)<-c(hhid,j)
+ y<-merge(y,t,by=hhid,all.x=T)
+ }
```

```
+ y[is.na(y)]<-0
+ return (y)
+ }

> HHID<-outfiles[[1]]$identif  # 1-12811
> length(HHID)
[1] 12811
> df<-CollapseBy(d3,"identif","wage3",HHID)
> dim(df)
[1] 12811     2
> head(df)
  identif  wage3
1       1      0
2       2 250000
3       3      0
4       4      0
5       5      0
6       6      0

> df<-merge(df,outfiles[[20]][c("identif","hhweight")])
> dim(df)
[1] 12811     3
> head(df)
  identif  wage3 hhweight
1       1      0 65.01397
2       2 250000 65.01397
3       3      0 65.01397
4       4      0 65.01397
5       5      0 65.01397
6       6      0 65.01397

> round(weighted.mean(df$wage3,df$hhweight))
[1] 380021
```

Remarks:
Monthly average wage income in 2012 is 372,114 in the statistical table of NSO' s website.

```
> hhinc<-df

> save(hhinc,outfiles,STATA.files,CollapseBy,file="hhinc.RData")


#####################################################
# Bonus, etc
#q0617_3: Bonuses and special allowances (12M)
#q0619_3: Bonuses and special allowances (12M)
> d[is.na(d)]<-0
> d$bonus<-(d$q0617_3+d$q0619_3)/12
> head(d[d$q0617_3>0&d$q0619_3>0,c(1,130,125,129,131)])
      identif     PID q0617_3 q0619_3    bonus
```

```
33419    8911  891101 2000000    1e+06 250000.0
42553   11388 1138801 2700000    7e+05 283333.3

> df<-CollapseBy(d,"identif","bonus",HHID)
> dim(df)
[1] 12811     2
> df<-merge(df,outfiles[[20]][c("identif","hhweight")])
> round(weighted.mean(df$bonus,df$hhweight))
[1] 6561
```

- Summary
  Monthly wage income of 372 thousand Riels in the Report may not include bonuses.

6.3 Pension (OTHER INCOME)

data file: 09 Other income

income_id: 1 to 26

income_id number of HSES 2012

1	State pension
2	Special Pension
3	Unemployment benefit
4	Maternity benefits
5	Disability pension
6	Survivor pension
7	Illness payments
8	Funeral payments
9	Human development fund allowances (received in cash)
10	Human development fund allowances (transferred to account)
11	Human development fund allowances (student, superiority, other)
12	Mother benefit
13	Student benefit
14	Other social benefit
15	Rent of own assets (land, buildings, ve
16	Sale of assets
17	Inheritances and wedding presents
18	Loan repayments
19	Withdrawals from bank savings
20	Income from other sourses
21	savings?
22	Dividends?
23	Loan?
24	Treasury Bond?
25	Gambling, lottery and contest
26	Other income (from intellectual propert

Average amount of other income by income_id

```
> d<-outfiles[[9]]
> dim(d)
[1] 333086     20
```

```
> length(unique(d$identif))
[1] 12811
> d[is.na(d)]<-0

> d$pension<-round(rowSums(d[,seq(9,17,by=2)])/12) # sum of person 1 to 5
> head(d[d$pension>0,])
    identif income_id cluster aimag soum location q0901 q0902_ic q0902_t
9         1         9       1    65   13        4     1        1  252000
35        2         9       1    65   13        3     1        1  252000
61        3         9       1    65   13        4     1        1  252000
87        4         9       1    65   13        3     1        1  252000
113       5         9       1    65   13        4     1        1  252000
139       6         9       1    65   13        4     1        1  252000
    q0903_ic q0903_t q0904_ic q0904_t q0905_ic q0905_t q0906_ic q0906_t
9          2  252000        0       0        0       0        0       0
35         2  252000        3  252000        4  252000        0       0
61         2  252000        3  252000        0       0        0       0
87         2  252000        3  252000        4  252000        0       0
113        2  252000        3  252000        4  252000        5  252000
139        2  252000        3  252000        4  252000       98  504000
    quarter interviewer supervisor pension
9         1           3         65   42000
35        1           3         65   84000
61        1           3         65   63000
87        1           3         65   84000
113       1           3         65  105000
139       1           3         65  126000

# Aggregate pension at household level by income_id
> t<-tapply(d$pension,list(d$identif,d$income_id),sum)
> dim(t)
[1] 12811    26
> colnames(t)
 [1] "1"  "2"  "3"  "4"  "5"  "6"  "7"  "8"  "9"  "10" "11" "12" "13" "14"
[15] "15" "16" "17" "18" "19" "20" "21" "22" "23" "24" "25" "26"


> head(t)
  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
1 0 0 0 0 0 0 0 0  42000  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
2 0 0 0 0 0 0 0 0  84000  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
3 0 0 0 0 0 0 0 0  63000  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
4 0 0 0 0 0 0 0 0  84000  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
5 0 0 0 0 0 0 0 0 105000  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
6 0 0 0 0 0 0 0 0 126000  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0  0
> tail(t)
           1 2 3 4 5 6 7 8     9 10     11   12    13 14 15 16 17 18      19
12806 155833 0 0 0 0 0 0 0 47967  0 55000 8333     0  0  0  0  0  0       0
12807      0 0 0 0 0 0 0 0 54633  0     0    0     0  0  0  0  0  0 1000000
12808 205833 0 0 0 0 0 0 0 98942  0 96667 8333 29167  0  0  0  0  0       0
```

```
12809      0 0 0 0 0 0 0 0 41300  0     0    0     0  0  0  0  0  0       0
12810      0 0 0 0 0 0 0 0 37858  0     0    0     0  0  0  0  0  0  458333
12811 155833 0 0 0 0 0 0 0 41300  0 55000 8333 40833  0  0  0  0  0       0
      20 21 22 23 24 25 26
12806  0  0  0  0  0  0  0
12807  0  0  0  0  0  0  0
12808  0  0  0  0  0  0  0
12809  0  0  0  0  0  0  0
12810  0  0  0  0  0  0  0
12811  0  0  0  0  0  0  0

# Average monthly income by income_id
> tt<-apply(t,2,function(x) weighted.mean(x,hhinc$hhweight))
> round(tt)
    1     2     3     4     5     6     7     8     9    10    11    12
56850   196   105    NA 11107  2357   882   185 61658    NA 12352  1859
   13    14    15    16    17    18    19    20    21    22    23    24
 2918  1156  4663 15297   501   575 12258  3262  1533   647    83   144
   25    26
  129   362
> tt[is.na(tt)]<-0
> sum(tt)
[1] 191077.2


 [1] "State pension"
 [2] "Special Pension"
 [3] "Unemployment benefit"
 [4] "Maternity benefits"
 [5] "Disability pension"
 [6] "Survivor pension"
 [7] "Illness payments"
 [8] "Funeral payments"
 [9] "Human development fund allowances (received in cash)"
[10] "Human development fund allowances (transferred to account)"
[11] "Human development fund allowances (student, superiority, other)"
[12] "Mother benefit"
[13] "Student benefit"
[14] "Other social benefit"
[15] "Rent of own assets (land, buildings, vehicles, equipment)"
[16] "Sale of assets"
[17] "Inheritances and wedding presents"
[18] "Loan repayments"
[19] "Withdrawals from bank savings"
[20] "Income from other sources"
[21] "Savings?"
[22] "Dividends?"
[23] "Loan?"
[24] "Treasury Bond?"
[25] "Gambling, lottery and contest"
```

```
[26] "Other income (from intellectual property & other)"
```

```
> data.frame(Income_item=names(a),Income=as.integer(tt),row.names=NULL)
                                                        Income_item Income
1                                                     State pension  56849
2                                                   Special Pension    195
3                                                Unemployment benefit    104
4                                                  Maternity benefits      0
5                                                  Disability pension  11107
6                                                    Survivor pension   2357
7                                                    Illness payments    882
8                                                   Funeral payments    184
9              Human development fund allowances (received in cash)  61657
10       Human development fund allowances (transferred to account)      0
11 Human development fund allowances (student, superiority, other)  12351
12                                                    Mother benefit   1858
13                                                   Student benefit   2917
14                                               Other social benefit   1156
15        Rent of own assets (land, buildings, vehicles, equipment)   4662
16                                                    Sale of assets  15296
17                                Inheritances and wedding presents    500
18                                                   Loan repayments    575
19                                   Withdrawals from bank savings  12257
20                                       Income from other sources   3262
21                                                         Savings?   1533
22                                                       Dividends?    646
23                                                            Loan?     83
24                                                   Treasury Bond?    144
25                                   Gambling, lottery and contest    128
26                Other income (from intellectual property & other)    361
```

- Sum of income_id from 1 to 14 is almost the same as the results table.

```
> round(sum(tt[1:14]))
[1] 151624
> round(sum(tt[15:20]))
[1] 36556
> round(sum(tt[21:26]))
[1] 2897
```

```
# Generated variables of subtotal at household-level dataframe
> s<-data.frame(t)
> s$oi0114<-rowSums(s[1:14])
> s$oi1520<-rowSums(s[15:20])
> s$oi2126<-rowSums(s[21:26])

> head(s[s$oi1520>0&s$oi2126,])
```

```
         X1 X2 X3    X4 X5 X6 X7 X8     X9 X10   X11   X12   X13 X14 X15
931  285300  0  0     0  0  0  0  0  41300   0     0     0     0   0   0
1000 210600  0  0     0  0  0  0  0  42000   0     0 20000     0   0   0
1002      0  0  0 26000  0  0  0  0  84000   0     0     0     0   0   0
1006      0  0  0     0  0  0  0  0 168000   0     0 20000     0   0   0
1011 140000  0  0     0  0  0  0  0  21000   0     0     0     0   0   0
1022      0  0  0     0  0  0  0  0  84000   0 41667     0 11667   0   0
        X16 X17 X18   X19 X20   X21 X22   X23 X24    X25 X26 oi0114 oi1520
931  833333   0   0     0   0     0   0     0   0 391667   0 326600 833333
1000      0   0   0 66667   0  4583   0     0   0      0   0 272600  66667
1002      0   0   0 41667   0 20000   0     0   0      0   0 110000  41667
1006      0   0   0 83333   0 21667   0     0   0      0   0 188000  83333
1011      0   0   0  5000   0 10000   0     0   0      0   0 161000   5000
1022      0   0   0 33333   0 16667   0 16667   0      0   0 137334  33333
     oi2126
931  391667
1000   4583
1002  20000
1006  21667
1011  10000
1022  33334

> hhinc.save<-hhinc
> hhinc<-cbind(hhinc,s[27:29])
> str(hhinc)
'data.frame':   12811 obs. of  6 variables:
 $ identif : int  1 2 3 4 5 6 7 8 9 10 ...
 $ wage3   : num  0 250000 0 0 0 0 200000 0 250000 0 ...
 $ hhweight: num  65 65 65 65 65 ...
 $ oi0114  : num  42000 84000 63000 84000 105000 ...
 $ oi1520  : num  0 0 0 0 0 0 0 0 0 0 ...
 $ oi2126  : num  0 0 0 0 0 0 0 0 0 0 ...
> head(hhinc)
  identif  wage3 hhweight oi0114 oi1520 oi2126
1       1      0 65.01397  42000      0      0
2       2 250000 65.01397  84000      0      0
3       3      0 65.01397  63000      0      0
4       4      0 65.01397  84000      0      0
5       5      0 65.01397 105000      0      0
6       6      0 65.01397 126000      0      0

> hhinc[is.na(hhinc)]<-0
> round(apply(hhinc[c(2,4:6)],2,function(x) weighted.mean(x,hhinc$hhweight)))
 wage3 oi0114 oi1520 oi2126
380021 155493  36556   2897
```

6.4 Income from livestock

Data frame: 03 Livestock
ani_id: animal number
q0702_1: total number of animals
q0702_2: number of female
q0702_3: number of young
q0703: use for own food
q0704: number of sold
q0705: amount received

```
> d<-outfiles[[3]]
> dim(d)
[1] 14498    15

> head(d[!is.na(d$q0705),])
  identif ani_id cluster aimag soum location q0702_1 q0702_2 q0702_3 q0703 q0704 q0705
1       1      1       1    65   13        4      41      12       8     1     0     0
2       1      2       1    65   13        4      12       4       1     0     0     0
3       1      4       1    65   13        4      60      30      20    10     0     0
4       1      5       1    65   13        4      80      50      30    10     0     0
5       2      1       1    65   13        3      60      19      11     1     0     0
6       2      2       1    65   13        3      40      11       5     1     0     0
  quarter interviewer supervisor
1       1           3         65
2       1           3         65
3       1           3         65
4       1           3         65
5       1           3         65
6       1           3         65
```

- The number of households with animals is 4,675.

```
> nrow(subset(d,q0702_1>0))
[1] 14495
> length(unique(subset(d,q0702_1>0)$identif))
[1] 4675
```

- Number of sample households by herding animal

```
> t<-addmargins(table(d$ani_id,useNA="ifany"))
> names(t)<-c("Cattle","Horse","Camel","Sheep","Goat","Other","Total")
> t
Cattle  Horse  Camel  Sheep   Goat  Other  Total
  3411   2844    565   3671   3937     70  14498
```

- Aggregated q0705 (amount received) at household-level.

```
> df<-CollapseBy(d,"identif","q0705",HHID)
> dim(df)
```

```
[1] 12811     2

> df$revenue<-round(df$q0705/12)  # Monthly revenue
> dim(df)
[1] 12811     3
> head(df)
  identif   q0705 revenue
1       1       0       0
2       2 1400000  116667
3       3 1100000   91667
4       4       0       0
5       5  950000   79167
6       6 5970000  497500
```

Data frame: 04 Livestock_exp

exp_id: exp number 1-7
q0706: expenditure on this herding activity in the last 12 months

```
> d<-outfiles[[4]]
> dim(d)
[1] 9011   10
> head(d)
  identif exp_id cluster aimag soum location  q0706 quarter interviewer supervisor
1       1      1       1    65   13        4  50000       1           3         65
2       1      2       1    65   13        4  50000       1           3         65
3       2      1       1    65   13        3  40000       1           3         65
4       2      2       1    65   13        3 110000       1           3         65
5       2      3       1    65   13        3 240000       1           3         65
6       3      1       1    65   13        4  30000       1           3         65
> addmargins(table(d$exp_id))
   1    2    3    4    5    6    7  Sum
3211 2633 2149  241  450  239   88 9011

> df<-merge(df, CollapseBy(outfiles[[4]],"identif","q0706",HHID),by="identif")
> dim(df)
[1] 12811     4
> df$cost<-round(df$q0706/12)  # Monthly cost
> dim(df)
[1] 12811     5
> head(df)
  identif   q0705 revenue  q0706  cost
1       1       0       0 100000  8333
2       2 1400000  116667 390000 32500
3       3 1100000   91667  80000  6667
4       4       0       0      0     0
5       5  950000   79167 160000 13333
6       6 5970000  497500 100000  8333
```

Remarks:
There are cases without revenue but with positive cost.

```
> table(df$revenue==0&df$cost>0)
FALSE  TRUE
10788  2023
```

Data frame: 05 Product (by-product)
byprod_id: 1-17
q0709: total quantity of production
q0710: quantity consumed by household
q0711: quantity sold as raw material
q0712: total amount received from sales
q0713: quantity produced and sold
q0714: total amount received from produced and sold

```
> d<-outfiles[[05]]
> dim(d)
[1] 74050    16
> head(d)
  identif byprod_id cluster aimag soum location q0708 q0709 q0710 q0711   q0712 q0713
1       1         1       1    65   13        4     60     60      0     60   42000     0
2       1         2       1    65   13        4      0     NA     NA     NA      NA    NA
3       1         3       1    65   13        4     80     16      0     16 1120000     0
4       1         4       1    65   13        4      0     NA     NA     NA      NA    NA
5       1         5       1    65   13        4     NA     10      0     10   50000     0
6       1         6       1    65   13        4     NA     10      0     10   70000     0
  q0714 quarter interviewer supervisor
1     0       1           3         65
2    NA       1           3         65
3     0       1           3         65
4    NA       1           3         65
5     0       1           3         65
6     0       1           3         65
> df<-merge(df, CollapseBy(outfiles[[5]],"identif",c("q0712","q0714"),HHID),
+ by="identif")
> dim(df)
[1] 12811     7
> head(df)
  identif   q0705 revenue  q0706  cost   q0712   q0714
1       1       0       0 100000  8333 1304000 1500000
2       2 1400000  116667 390000 32500 2754000       0
3       3 1100000   91667  80000  6667  635000  900000
4       4       0       0      0     0       0       0
5       5  950000   79167 160000 13333 1468000 1900000
6       6 5970000  497500 100000  8333 1603000 2500000

> df$byprod<-round((df$q0712+df$q0714)/12)  # Monthly by-product
```

```
> df$livestock<-df$revenue-df$cost+df$byprod  # Monthly livestock income
> head(df)
  identif q0505 revenue q0506 cost  q0512   q0514 byprod livestock
1       1 0e+00       0 15000 1250 125000       0  10417      9167
2       2 7e+05   58333 81000 6750 626000  300000  77167    128750
3       3 0e+00       0 12000 1000  16000       0   1333       333
4       4 0e+00       0 29000 2417 780000  270000  87500     85083
5       5 0e+00       0     0    0  67000       0   5583      5583
6       6 0e+00       0 80000 6667 106000 1200000 108833    102166

> livestock<-df

> apply(livestock,2,function(x) round(weighted.mean(x,hhinc$hhweight)))
  identif     q0705   revenue     q0706       cost     q0712     q0714     byprod
     6421    383894     31991    134750      11229    382297     17327      33302
livestock
    54064
```

6.5 Agricultural (Crop) income

Data frame: 06 crop
crop_id: 1-13
q0719: Did harvest during past 12 months
q0720: total harvest during past 12 months
q0721: quantity consumed by own household
q0722: quantity used for animal feed
q0723q: quantity sold (kg)
q0723t: total amount sold (MNT)

```
> d<-outfiles[[6]]
> dim(d)
[1] 2353   15
> head(d)
  identif crop_id cluster aimag soum location q0719 q0720 q0721 q0722 q0723q
1      12       1       6    65   13        3     1   500   100     0    400
2      12       3       6    65   13        3     1    50    10     0     40
3      12       4       6    65   13        3     1    30    10     0     20
4      12       6       6    65   13        3     1    25     5     0     20
5      23       1      11    65   13        3     1   100   100     0      0
6      50       1      28    65   40        3     1  2000   500     0   1500
  q0723t quarter interviewer supervisor
1 200000       1           3         65
2  24000       1           3         65
3  16000       1           3         65
4  20000       1           3         65
5      0       1           2         65
6 900000       1           2         65
```

- The data set is only for harvesting crops with one exception.

```
> table(d$q0719)
   1    2
2352    1
```

- The number of sample households harvesting crops is 805.

```
> length(unique(d$identif))
[1] 874
```

- The number of households by harvesting crop

```
> t<-table(d$crop_id)
> t
  1   2   3   4   5   6   7   8   9  10  11  12  13
659 336 254 156 123 234  29  98 163  51  26 182  42
```

```
> names(attributes(d)$label.table["crop_id"][[1]])
 [1] "Potatoes" "Carrots"  "Turnip"   "Cabbage"  "Beetroot" "Onion"
 [7] "Garlic"   "Tomatoes" "Cucumber" "Fruits"   "Wheat"    "Haylage"
[13] "Other"
> names(t)<-names(attributes(d)$label.table["crop_id"][[1]])
> t
Potatoes  Carrots   Turnip  Cabbage Beetroot    Onion   Garlic Tomatoes
     659      336      254      156      123      234       29       98
Cucumber   Fruits    Wheat  Haylage    Other
     163       51       26      182       42
```

- Aggregated q0723t at household level.

```
> df<-CollapseBy(d,"identif","q0723t",HHID)
> dim(df)
[1] 12811     2
> df$revenue<-round(df$q0723t/12)  # Monthly revenue
> head(df[df$revenue>0,])
    identif q0723t revenue
12       12 260000   21667
50       50 900000   75000
55       55 538000   44833
148     148 120000   10000
167     167 300000   25000
170     170 200000   16667
```

Data frame: 07 agric_exp

exp_id: 1-13

q0724: total expenditure on item during past 12 months

```
> d<-outfiles[[7]]
> dim(d)
[1] 11518    10
> head(d)
  identif exp_id cluster aimag soum location q0724 quarter interviewer
1      12      1       6    65   13        3 60000       1           3
2      12      2       6    65   13        3     0       1           3
3      12      3       6    65   13        3     0       1           3
4      12      4       6    65   13        3     0       1           3
5      12      5       6    65   13        3     0       1           3
6      12      6       6    65   13        3     0       1           3
  supervisor
1         65
2         65
3         65
4         65
5         65
6         65
```

```
> table(d$exp_id)
  1   2   3   4   5   6   7   8   9  10  11  12  13
886 886 886 886 886 886 886 886 886 886 886 886 886
```

- The number of unique household is 886.

```
> length(unique(d$identif))
[1] 886
```

- The number of records with positive value of q0724 is 1,693.

```
> table(d$q0724>0)
FALSE  TRUE
 9825  1693
```

- Aggregated q0724 at household level.

```
> df<-merge(df,CollapseBy(d,"identif","q0724",HHID),by="identif")
> dim(df)
[1] 12811     4
> df$cost<-round(df$q0724/12)  # Monthly cost
> df$crop<-df$revenue-df$cost  # Monthly crop income
> head(df[df$revenue>0,])
    identif q0723t revenue  q0724  cost  crop
12       12 260000   21667  60000  5000 16667
50       50 900000   75000 210000 17500 57500
55       55 538000   44833 100000  8333 36500
148     148 120000   10000 220000 18333 -8333
167     167 300000   25000  80000  6667 18333
170     170 200000   16667  28000  2333 14334


> table(df$crop<0)

FALSE  TRUE
12307   504
```

- Replaced negative crop income with zero.

```
> df$crop2<-ifelse(df$crop<0,0,df$crop)
> head(df[df$revenue>0,])
    identif q0723t revenue  q0724  cost  crop crop2
12       12 260000   21667  60000  5000 16667 16667
50       50 900000   75000 210000 17500 57500 57500
55       55 538000   44833 100000  8333 36500 36500
148     148 120000   10000 220000 18333 -8333     0
167     167 300000   25000  80000  6667 18333 18333
170     170 200000   16667  28000  2333 14334 14334

> crop<-df
```

```
> apply(crop,2,function(x) round(weighted.mean(x,hhinc$hhweight)))
identif  q0723t revenue   q0724    cost    crop   crop2
   6421   62672    5223   35285    2940    2282    2842
```

6.6 BUSINESS INCOME

Data frame: 08 Enterprise
en: enterprise_no
q0804: percentage owned by household members (%)
q0807_99: total expenses

q0808: months in operation
q0809_1a: amount received in an average month (per month)
q0809_1b: number of average months
q0809_2a: amount received in a bad month (per month)
q0809_2b: number of bad months
q0809_3a: amount received in a good month (per month)
q0809_3b: number of good months

```
> d<-outfiles[[8]]
> dim(d)
[1] 2342   31
> head(d)
  identif en aimag soum location q0803 q0804 q0805 q0806 q0807_01 q0807_02
1      14  1    65   13        3  3600   100     1     0        0        0
2      28  1    65   25        3  4520   100     1     0        0        0
3      40  1    65   25        3  1622   100     2     0        0        0
4      42  1    65   25        4  1430   100     1     0        0        0
5      50  1    65   40        3  4721   100     0     1  1684800 13000000
6      53  1    65   40        3  4510   100     1     1  1296000 20000000
  q0807_03 q0807_04 q0807_05 q0807_06 q0807_07 q0807_08 q0807_09 q0807_10
1        0        0   100000        0        0        0        0        0
2   250000        0   150000        0        0        0        0        0
3  1400000        0    50000        0        0        0        0        0
4   300000        0        0        0        0        0        0        0
5        0   400000   120000        0        0        0        0   180000
6        0  1200000   200000        0        0        0        0  1000000
  q0807_11 q0807_99 q0808 q0809_1a q0809_1b q0809_2a q0809_2b q0809_3a
1        0   100000    12    60000        4    40000        4    70000
2        0   400000     6   300000        2   150000        2   450000
3        0  1450000     9   300000        3   200000        3   500000
4        0   300000     9    75000        3    45000        2    90000
5        0 15384800    12  1400000        4  1300000        4  1600000
6        0 23696000    12  2000000        4  1500000        4  4000000
  q0809_3b quarter interviewer supervisor
1        4       1           3         65
2        2       1           1         65
3        3       1           1         65
4        4       1           1         65
5        4       1           2         65
6        4       1           3         65
```

- Number of months in q0808 and q0809 are consistent.

```
> table(d$q0808==(d$q0809_1b+d$q0809_2b+d$q0809_3b))
TRUE
2324
```

- Generated variable of total **monthlyrevenue** as;
  (q0809_1b*q0809_1a + q0809_2b*q0809_2a + q0809_3b*q0809_3a)/12

```
> d[is.na(d)]<-0
> d$revenue<-round((d$q0809_1b*d$q0809_1a + d$q0809_2b*d$q0809_2a +
+ d$q0809_3b*d$q0809_3a)/12)
> head(d[,c(1,2,23:28,32)])
  identif en q0809_1a q0809_1b q0809_2a q0809_2b q0809_3a q0809_3b revenue
1      14  1    60000        4    40000        4    70000        4   56667
2      28  1   300000        2   150000        2   450000        2  150000
3      40  1   300000        3   200000        3   500000        3  250000
4      42  1    75000        3    45000        2    90000        4   56250
5      50  1  1400000        4  1300000        4  1600000        4 1433333
6      53  1  2000000        4  1500000        4  4000000        4 2500000
```

- Generated variable of **monthly business income** as;
  (revenue-q0807_10/12)*q0804/100
  where,
  q0804: percentage owned by household members (%)

```
# distribution of q0804
> summary(d$q0804)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
  10.00  100.00  100.00   98.42  100.00  100.00
> addmargins(table(d$q0804))
  10   20   25   30   33   34   40   50   60   70   80   90  100  Sum
   1    3    4    5    2    1    5   39    3    2    3    2 2272 2342
```

- Dominant percentage is “100%”, followed by “50%”.

```
> d$cost<-round(d$q0807_99/12)
> d$business<-round((d$revenue-d$cost)*d$q0804/100)

> head(d[,c(1:2,7,21,32:34)])
  identif en q0804 q0807_99 revenue    cost business
1      14  1    100   100000   56667    8333    48334
2      28  1    100   400000  150000   33333   116667
3      40  1    100  1450000  250000  120833   129167
4      42  1    100   300000   56250   25000    31250
5      50  1    100 15384800 1433333 1282067   151266
6      53  1    100 23696000 2500000 1974667   525333
```

```
> head(d[d$q0804<100, c(1:2,7,21,32:34)])
    identif en q0804 q0807_99 revenue   cost business
40      306  1    50 11710000 1200000 975833   112084
162     917  1    40   250000   81167  20833    24134
165     925  1    50  1750000  416667 145833   135417
166     926  1    50   525000  301667  43750   128958
168     928  1    50    30000   10000   2500     3750
171     939  1    50   870000  250000  72500    88750

> table(d$business<0)
FALSE  TRUE
 2229   113

> head(d[d$business<0, c(1:2,7,21,32:34)])
    identif en q0804 q0807_99 revenue   cost business
57      390  1   100  5566000  206667 463833  -257166
58      391  1   100  4148000  169167 345667  -176500
60      395  1   100  2512000   95833 209333  -113500
74      472  2   100  3638800  116667 303233  -186566
167     927  1   100  4160000  325000 346667   -21667
209    1187  1   100 10440000  150000 870000  -720000
```

- **business2: replace negative income at firm level with zero.**

```
> d$business2<-ifelse(d$business<0,0,d$business)
> head(d[d$business<0, c(1:2,7,21,32:35)])
    identif en q0804 q0807_99 revenue   cost business business2
57      390  1   100  5566000  206667 463833  -257166         0
58      391  1   100  4148000  169167 345667  -176500         0
60      395  1   100  2512000   95833 209333  -113500         0
74      472  2   100  3638800  116667 303233  -186566         0
167     927  1   100  4160000  325000 346667   -21667         0
209    1187  1   100 10440000  150000 870000  -720000         0
```

- Aggregated at householdlevel

```
> df<-CollapseBy(d,"identif",c("revenue","cost","business","business2"),HHID)
> dim(df)
[1] 12811     5
> head(df[df$business>0,])
   identif revenue    cost business business2
14      14   56667    8333    48334     48334
28      28  150000   33333   116667    116667
40      40  250000  120833   129167    129167
42      42   56250   25000    31250     31250
50      50 1433333 1282067   151266    151266
53      53 2500000 1974667   525333    525333
> head(df[df$business<0,])
     identif revenue   cost business business2
```

```
390       390  206667 463833  -257166          0
391       391  169167 345667  -176500          0
395       395   95833 209333  -113500          0
927       927  325000 346667   -21667          0
1187     1187  150000 870000  -720000          0
1405     1405  175000 348333  -173333          0
> head(df[df$business<0&df$business2>0,])
      identif revenue     cost business business2
1454     1454  596666  1210333  -613667     37333
2151     2151 9166667 10016667  -850000    125000
4685     4685 1920416  1963750   -43334      8333
5797     5797  458334   491667   -33333     16667
8424     8424 3704167  3924417  -220250     52250
11655   11655 1096667  1130000   -33333    191667


> table(df$business<0)
FALSE  TRUE
12706   105
```

- **business3: replace negative income at household level with zero**

```
> df$business3<-ifelse(df$business<0,0,df$business)
> head(df[df$business<0&df$business2>0,])
      identif revenue     cost business business2 business3
1454     1454  596666  1210333  -613667     37333         0
2151     2151 9166667 10016667  -850000    125000         0
4685     4685 1920416  1963750   -43334      8333         0
5797     5797  458334   491667   -33333     16667         0
8424     8424 3704167  3924417  -220250     52250         0
11655   11655 1096667  1130000   -33333    191667         0

> apply(df[-1],2,function(x) round(weighted.mean(x,hhinc$hhweight)))
  revenue      cost  business business2 business3
   356256    220088    122797    130536    130470
```

- **business4: replace outlier revenue> 7,000,000 with zero**

```
> range(df$revenue)
[1]         0 347916667
> table(df$revenue>7000000)
FALSE  TRUE
12703   108

> df$business4<-ifelse(df$revenue>7000000,0,df$business3)
> apply(df[-1],2,function(x) round(weighted.mean(x,hhinc$hhweight)))
  revenue      cost  business business2 business3 business4
   356256    220088    122797    130536    130470     64715
```

```
> range(df$business4)
[1]       0 5579167

> business<-df

# The monthly business income in the survey report is 146 thousand in 2012.
```

6.7 Other (REMITTANCE) income

Data frame: 10 remittance # Section 7
q0909: Who gave the gift
q0910: Purpose of the receipt
q0911: From where the gifts
q0913: Amount received during the past 12 months
q0914: Do receive it regularly?
q0915: How do you receive it?

```
> d<-outfiles[[10]]
> dim(d)
[1] 3670   18
> head(d)
  identif ln cluster aimag soum location ind_id q0909 q0910 q0911 q0912
1      13  1       6    65   13        3      1     4     1     1    NA
2     160  1      77    83   25        3      1     4     8     4    NA
3     167  1      80    83   25        3      1     4     1     4    NA
4     176  1      85    83   37        4      5     1     1     3    NA
5     186  1      87    83   37        4      1     1     1     3    NA
6     189  1      87    83   37        4      1     1     1     3    NA
    q0913 q0914 q0915 quarter interviewer supervisor   PID
1  300000     3     1       1           3         65  1301
2 1200000     5     1       1           2         83 16001
3   50000     4     4       1           3         83 16701
4  140000     4     1       1           3         83 17605
5  100000     5     4       1           2         83 18601
6   15000     5     4       1           2         83 18901
```

- Who gave the gift?

```
> t<-table(d$q0909)
> names(t)<-names(attributes(d)$label.table["q0909"][[1]])
> t
                                GOVERNMENT
                                       280
                COMPANIES AND ORGANIZATIONS
                                       919
                                      NGOs
                                        35
              PARENTS, CHILDREN, RELATIVES
                                      2266
OTHER INDIVIDUALS (FRIENDS, NEIGHBORS,
                                        55
FOREIGN & INTERNATIONAL ORGANIZATIONS,
                                        29
                                    OTHERS
                                        86
```

- Purpose of the receipt

```
> t<-table(d$q0910)
> names(t)<-names(attributes(d)$label.table["q0910"][[1]])
> t
        HOUSEHOLD USE EDUCATION8 TUITION FEE      MEDICAL TREATMENT
                 2639                    338                    257
  PURCHASE OF DWELLING                HOLIDAY                FUNERAL
                   55                    210                     25
  HOUDEHOLD ENTERPRISE                  OTHER
                   27                    119
```

- From where the gifts?

```
> t<-table(d$q0911)
> names(t)<-names(attributes(d)$label.table["q0911"][[1]])
> t
Capital city Aimag center  Soum center  Countryside  immigration
        1035         1213          734          417          271
```

- From which country the gifts (code)?

```
> t<-table(d$q0912)
> names(t)<-names(attributes(d)$label.table["q0912"][[1]])
> t
 23  24  36  40  56 100 124 138 156 192 203 250 276 372 380 392 408 410 418
  1   4   3   1   1   2   3   1   9   1   7  10   5   3   2  11  27 101   1
512 566 616 643 752 756 764 792 826 840
  1   1   1   3  12   2   7   7   4  39
```

- Do receive it regularly?

```
> t<-table(d$q0914)
> names(t)<-names(attributes(d)$label.table["q0914"][[1]])
> t
   YES, weekly    YES, monthly  YES, quarterly    YES, annualy
             22             339             131             760
            NO
           2418
```

- How do you receive it?

```
> t<-table(d$q0915)
> names(t)<-c("CASH","BY ACCOUNT","CASH REMITTANCE","IN KIND","OTHER")
> t
          CASH      BY ACCOUNT CASH REMITTANCE         IN KIND           OTHER
          2156             298             193             924              99
```

- The amount of q0913 is positive for all records.

```
> table(d$q0913>0)
TRUE
3670
```

- Aggregated at household level

```
> df<-CollapseBy(d,"identif","q0913",HHID)
> dim(df)
[1] 12811     2
> df$other<-round(df$q0913/12)
> head(df[df$q0913>0,])
    identif   q0913  other
13       13  300000  25000
160     160 1200000 100000
167     167   50000   4167
176     176  140000  11667
186     186  100000   8333
189     189   15000   1250

> weighted.mean(df$other,hhinc$hhweight)
[1] 23138.21
```

Remarks:
The amount of other is 68,377 according to the results table.
Considering the sum of pension and other, almost the same.

	My estimates	Results table
Pension	194,368	155,686
Other	23,138	68,377
Sum	217,506	224,063

```
> other<-df
```

6.8 Total household income

- Generated data frame consisted of household income components.

```
> dim(hhinc)
[1] 12811     6
> colnames(hhinc)
[1] "identif"  "wage3"    "hhweight" "oi0114"   "oi1520"   "oi2126"

> hhinc<-merge(hhinc,livestock[,c("identif","livestock")],by="identif")

> hhinc<-merge(hhinc,crop[,c("identif","crop","crop2")],by="identif")

>
hhinc<-merge(hhinc,business[,c("identif","business","business2","business3","business
4")],by="identif")

> hhinc<-merge(hhinc,other[,c("identif","other")],by="identif")

> head(hhinc)
  identif  wage3 hhweight oi0114 oi1520 oi2126 livestock crop crop2
1       1      0 65.01397  42000      0      0    225334    0     0
2       2 250000 65.01397  84000      0      0    313667    0     0
3       3      0 65.01397  63000      0      0    212917    0     0
4       4      0 65.01397  84000      0      0         0    0     0
5       5      0 65.01397 105000      0      0    346501    0     0
6       6      0 65.01397 126000      0      0    831084    0     0
  business business2 business3 business4 other
1        0         0         0         0     0
2        0         0         0         0     0
3        0         0         0         0     0
4        0         0         0         0     0
5        0         0         0         0     0
6        0         0         0         0     0
```

- Mean monthly income per household by item

```
> t<-apply(hhinc[c(-1,-3)],2,function(x) round(weighted.mean(x,hhinc$hhweight)))
> data.frame(item=names(t),mean=t,row.names=NULL)
        item   mean
1      wage3 380021
2     oi0114 155493
3     oi1520  36556
4     oi2126   2897
5  livestock  54064
6       crop   2282
7      crop2   2842
8   business 122797
9  business2 130536
10 business3 130470
11 business4  64715
12     other  23138
```

- Comparison with the survey report 2012

Type of income	Report	My trial	Remarks
Total revenue	819,996.		
1. Monetary income - Total	741,917.	784,987	
Wages and salaries	372,114.	380,021	wage3
Pensions and allowance	155,686.	155,493	oi0114
Income from household businesses	145,740.	186,882	livestock, crop, business2
Other	68,377.	62,591	oi1520, oi2126, other
Received from others free of charge	31,967.		
Foodstuff, which consumed from private farm or enterprise	46,112.		

```
> sum(t[c(5,6,9)])
[1] 186882
> sum(t[c(3,4,12)])
[1] 62591
> sum(t[c(1:6,9,12)])
[1] 784987
```

```
> save(outfiles,CollapseBy,hhinc,livestock,crop,business,other,file="hhinc20181117.RData")
```

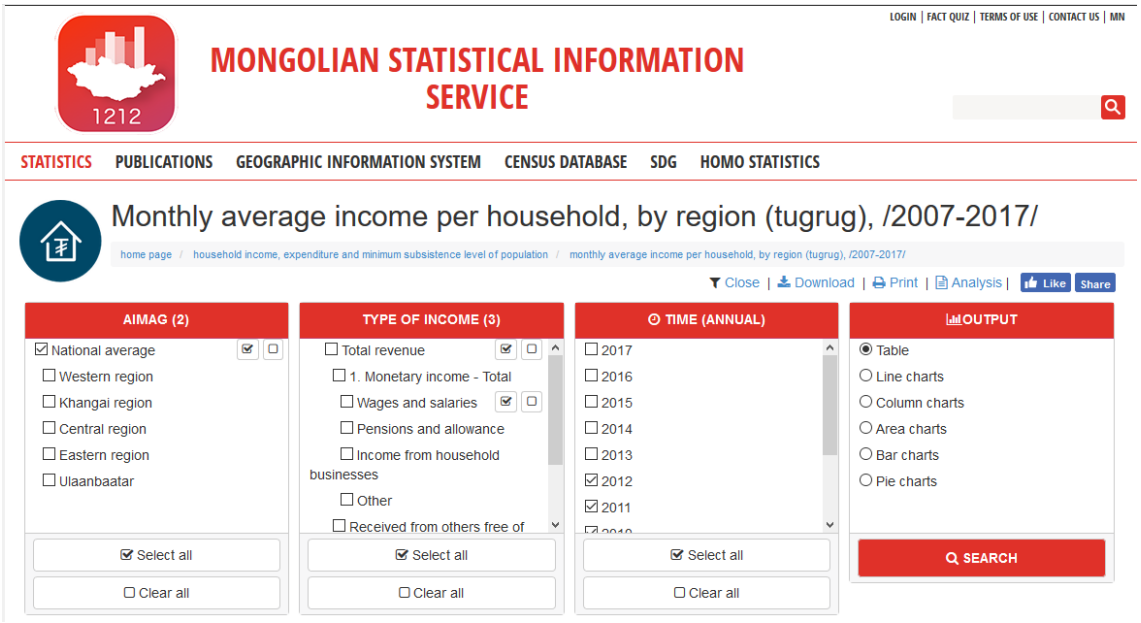
Chapter 7. Household Expenditure

7.1 Results of household expenditure

- According to the Mongolian NSO's database of www.1212.mn, the monthly average iexpenditure per household in 2012 is as the next.

Type of expenditure	2012
Total expenditure	820,263.
1. Monetary expenditure - Total	742,184.
Food expenses	207,858.
Non-food expenses and services	518,750.
Gifts and benefits gave for others	15,576.
Received from other free of charge	31,968.
Foodstuff, which consumed from private farm or enterprise	46,112.

http://www.1212.mn/tables.aspx?tbl_id=DT_NSO_1900_001V2&SOUM_select_all=0&SOUMSingleSelect=_0&HSES1_select_all=0&HSES1SingleSelect=&YearY_select_all=0&YearYSingleSelect=_2012_2011_2010&viewtype=table
(accessed on 13 November 2018)



Aimag	Type of expenditure	2010	2011	2012
National average	Total expenditure	450,206	577,406	820,263
	1. Monetary expenditure - Total	389,278	507,801	742,184
	Food expenses	131,940	155,482	207,858
	Non-food expenses and services	244,404	335,304	518,750
	Gifts and benefits gave for others	12,934	17,015	15,576
	Received from other free of charge	19,356	22,626	31,968
	Foodstuff, which consumed from private farm or enterprise	41,572	46,979	46,112

- Also the metadata is provided on the web as follows;

[Indicator metadata] | **Monthly average expenditure per household**

Version 1.0.0

Household expenditure is also crucial part of the household budget, and it represents the costs incurred to purchase goods and services necessary for household consumption.

active Идэвхтэй security Нээлттэй хэл MGL, ENG Last modified date Jun 13 2018 10:21AM

	Mongolian	English
1. Name	*Нэг өрхийн сарын дундаж зарлага*	*Monthly average expenditure per household*
2. Sector	*Ядуурал, өрхийн орлого, зарлага, дундаж хэрэглээ, АДТ*	*Household income, expenditure and minimin subsistence level of population*
3. Sub sector		
4. Definition	*Өрхийн зарлага: Орлогын адил өрхийн төсвийг бүрдүүлэгч чухал бүрэлдэхүүн бөгөөд өрх нь амьжиргаандаа хэрэгтэй зүйлээ худалдан авахад өрхийн орлогоос гарч буй хэсгийг зарлага гэнэ.*	*Household expenditure is also crucial part of the household budget, and it represents the costs incurred to purchase goods and services necessary for household consumption.*
5. Methodology name		
6. Methodology	*Өрхийн нийт зарлагыг өрхийн мөнгөн зарлага дээр өрхийн өөрийн аж ахуйгаас бэлтгэж хэрэглэсэн болон бусдаас үнэгүй авч хэрэглэсэн зүйлийн мөнгөн дүнг нэмж тодорхойлно. Нэг өрхөд ногдох дундаж үзүүлэлтийг жилийн турш судалгаанд хамрагдсан өрхүүдийн сарын дунджаар нийт өрхөд тархаан тооцож байна.*	*The total expenditure of a household is defined by the sum of the household's monetary expenditure and the value of consumed commodities from own farming and received from others free of charge. The average expenditure per household is calculated by the monthly average value of the households, surveyed for the year.*
7. Estimate started time	*2007--*	
8. Frequency of data estimate	*Улирал, Жил*	*Quarter, Annual*
9. Unit	*мян.төг*	*tous.tugrugs*
10. Source	*Өрхийн нийгэм, эдийн засгийн судалгаа*	*Household socio-economic survey*

7.2 Related questionnaire and data files

Expenditure type		Data file	Questionnaire	
Food				
	Urban food	16 Urban diary	Section 11 Household food expenditure	
	Rural food	17 Rural food 7days	Section 12 Household food expenditure	
Non-food				
	Non-food	15 Non-food	Section 13 Non-food expenditure and consumption	
	Foodout	19 Foodout (one file both for urban and rural)	Bottom of Section 11 and Section of 12 Food consumption/ not in household	
	Energy	12 Energy	Section 11 Housing, energy	
	Payment service	13 Pyment service	Section 12 Payment service	
	Repayment for loan	11 Savings loan	Section 12 Savings and loan	
	Transfer paid	2 Individual (?)	Section 5 Migration	

- **Foodout**

Foodout questionnaire was newly introduced in HSES 2012. The questions are at the bottom of Section 11 and Section 12.

Food out for urban;
Recorded every day in Diary,
Keyed-in on tablet by enumerator, sending data to server,
Food summary computed by server

Food out for rural;
Section 12 for the past 7 days,

(Urban)

SECTION 11: HOUSEHOLD FOOD CONSUMPTION

FOOD CONSUMPTION BY DIARY

Food consumption /not in household/				
ITEM	(15.07) Did you or any member of your household spent following items during the YES 1 NO 2 → Next item		(15.08) How much did all members of your household spend on purchases of ..[ITEM].. during the past 1 month?	(15.09) What is the value of all ..[ITEM].. that all members of your household received free from others during the past 1 months?
1	Restaurants , cafes			
2	Canteens in schools, works canteens			

(Rural)

SECTION 12: HOUSEHOLD FOOD CONSUMPTION

FOOD CONSUMPTION BY RECALL

Food consumption /not in household/				
ITEM	(15.07) Did you or any member of your household spent following items during the YES 1 NO 2 → Next item		(15.08) How much did all members of your household spend on purchases of ..[ITEM].. during the past 7 days?	(15.09) What is the value of all ..[ITEM].. that all members of your household received free from others during the past 7 days?
1	Restaurants , cafes			
2	Canteens in schools, works canteens			

The file of “foodout” is one file composed of urban foodout and rural foodout.

The reference period differs by urban/rural.

Urban: one month (location = 1 or 2)

Rural: 7 days (location = 3 or 4)

So, firstly convert rural 7 days to one month.

- Remarks:

  Foodout was covered in Non-food questionnaire in SES 2010.

- **Imputed unit price**

Unit prices for estimating in-kind consumption were imputed and applied as the following order;

Order	Applied price	uprice
1	Own price	meduprice
2	Median price of cluster (PSU)	clusterprice
3	Median price of aimag divided by location	aimagprice
4	Median price of location	locationprice
5	Median price of national	nationalprice

7.3 Food

7.3.1 Urban diary

item		item: 10101 to 11305
quantity	purchased	q1401_2 + q1402_2 + q1403_2
	received free	q1401_3 + q1402_3 + q1403_3
	own production	q1401_4 + q1402_4 + q1403_4
unit price		q1404

7.3.2 Rural food 7 days

item		item: 10101 to 11305
quantity	purchased	q1503 * 4.3
	received free	q1505 * 4.3
	own production	q1506 * 4.3
unit price		q1504

7.3.3 Imputed unit price

```
# Urban diary
> d<-outfiles[[16]]
> dim(d)
[1] 867273         23
> colnames(d)
  [1] "identif"         "item"            "cluster"         "aimag"           "soum"
  [6] "location"        "row14"           "q1401_1"         "q1401_2"         "q1401_3"
[11] "q1401_4"          "q1402_1"         "q1402_2"         "q1402_3"         "q1402_4"
[16] "q1403_1"          "q1403_2"         "q1403_3"         "q1403_4"         "q1404"
```

```
[21] "quarter"          "interviewer" "supervisor"
> addmargins(table(is.na(d$uprice)))
 FALSE    TRUE     Sum
198935 668338 867273
> sum(!is.na(d$uprice) & d$uprice==0)
[1] 4057
> d$uprice<-ifelse(!is.na(d$uprice) & d$uprice==0, NA, d$uprice)
> addmargins(table(is.na(d$uprice)))
 FALSE    TRUE     Sum
194878 672395 867273

# meduprice
> m<-aggregate(d$uprice,list(d$identif,d$item),FUN=median,na.rm=T)
> dim(m)
[1] 867273      3
> head(m)
  Group.1 Group.2   x
1      97   10101 600
2      98   10101 600
3      99   10101 600
4     100   10101 600
5     101   10101 600
6     102   10101 600
> colnames(m)<-c("identif","item","meduprice")
> head(m)
  identif  item meduprice
1      97 10101       600
2      98 10101       600
3      99 10101       600
4     100 10101       600
5     101 10101       600
6     102 10101       600
> addmargins(table(is.na(m$meduprice)))
FALSE    TRUE     Sum
194878 672395 867273
```

```
> d<-merge(d,m,by=c("identif","item"),all.x=T)
> dim(d)
[1] 867273         25
> colnames(d)
  [1] "identif"         "item"              "cluster"         "aimag"             "soum"
  [6] "location"        "row14"             "q1401_1"         "q1401_2"         "q1401_3"
[11] "q1401_4"          "q1402_1"          "q1402_2"          "q1402_3"          "q1402_4"
[16] "q1403_1"          "q1403_2"          "q1403_3"          "q1403_4"          "q1404"
[21] "quarter"          "interviewer" "supervisor"    "uprice"            "meduprice"
> table(!is.na(d$meduprice) & d$meduprice==d$uprice)
 FALSE     TRUE
672395 194878

# clusterprice
> m<-aggregate(d$uprice,list(d$cluster,d$item),FUN=median,na.rm=T)
> dim(m)
[1] 87084         3
> head(m)
   Group.1 Group.2      x
1          49      10101 600
2          50      10101 600
3          51      10101 600
4          52      10101 600
5          53      10101 600
6          54      10101 600
> colnames(m)<-c("cluster","item","clusterprice")
> head(m)
   cluster    item clusterprice
1          49 10101                600
2          50 10101                600
3          51 10101                600
4          52 10101                600
5          53 10101                600
6          54 10101                600
> addmargins(table(is.na(m$clusterprice)))
FALSE    TRUE      Sum
```

```
46926 40158 87084

> d<-merge(d,m,by=c("cluster","item"),all.x=T)
> dim(d)
[1] 867273     26
> head(d)
  cluster  item identif aimag soum location row14 q1401_1 q1401_2 q1401_3
1     100 10101     226    83    1        2     2       2       2       0
2     100 10101     224    83    1        2     2       0      NA      NA
3     100 10101     221    83    1        2     2       7       7       0
4     100 10101     225    83    1        2     2       3       3       0
5     100 10101     227    83    1        2     2       2       2       0
6     100 10101     223    83    1        2     2       2       2       0
  q1401_4 q1402_1 q1402_2 q1402_3 q1402_4 q1403_1 q1403_2 q1403_3 q1403_4
1       0       4       4       0       0       3       3       0       0
2      NA       2       2       0       0       3       3       0       0
3       0       8       8       0       0       4       4       0       0
4       0       4       4       0       0       2       2       0       0
5       0       4       4       0       0       3       3       0       0
6       0       4       4       0       0       3       3       0       0
  q1404 quarter interviewer supervisor uprice meduprice clusterprice
1  1000       1           1         83   1000      1000          900
2   900       1           1         83    900       900          900
3   900       1           1         83    900       900          900
4  1500       1           3         83   1500      1500          900
5   800       1           1         83    800       800          900
6   800       1           1         83    800       800          900
> addmargins(table(is.na(d$clusterprice)))
 FALSE   TRUE    Sum
467142 400131 867273
> addmargins(table(is.na(d$meduprice),is.na(d$clusterprice)))
             FALSE   TRUE    Sum
  FALSE 194878      0 194878
  TRUE   272264 400131 672395
  Sum    467142 400131 867273
```

- Number of NA in meduprice was 672,395. It decreased to 400,131 of NA in clusterprice.

```
# aimagprice
> m<-aggregate(d$uprice,list(d$aimag,d$location,d$item),FUN=median,na.rm=T)
> dim(m)
[1] 2583    4
> head(m)
  Group.1 Group.2 Group.3     x
1      11       1   10101 650
2      21       2   10101 600
3      22       2   10101 650
4      23       2   10101 800
5      41       2   10101 680
6      43       2   10101 700
> colnames(m)<-c("aimag","location","item","aimagprice")
> head(m)
  aimag location   item aimagprice
1    11        1 10101        650
2    21        2 10101        600
3    22        2 10101        650
4    23        2 10101        800
5    41        2 10101        680
6    43        2 10101        700

> d<-merge(d,m,by=c("aimag","location","item"),all.x=T)
> dim(d)
[1] 867273     27
> head(d)
  aimag location   item cluster identif soum row14 q1401_1 q1401_2 q1401_3
1    11        1 10101    1221    2740   25     2       5       5       0
2    11        1 10101    1221    2737   25     2       8       8       0
3    11        1 10101    1221    2745   25     2      10      10       0
4    11        1 10101    1221    2741   25     2       7       7       0
5    11        1 10101     994   11654   10     2       7       7       0
6    11        1 10101    1221    2739   25     2      10      10       0
```

```
  q1401_4 q1402_1 q1402_2 q1402_3 q1402_4 q1403_1 q1403_2 q1403_3 q1403_4
1       0       7       7       0       0       5       5       0       0
2       0       6       6       0       0       6       6       0       0
3       0       6       6       0       0       9       9       0       0
4       0       9       9       0       0      13      13       0       0
5       0       4       4       0       0       4       4       0       0
6       0       9       9       0       0      10      10       0       0
  q1404 quarter interviewer supervisor uprice meduprice clusterprice
1   680       1          15          2    680       680          650
2   650       1          15          2    650       650          650
3   650       1          15          2    650       650          650
4   650       1          15          2    650       650          650
5   650       4          24          1    650       650          650
6   650       1          15          2    650       650          650
  aimagprice
1        650
2        650
3        650
4        650
5        650
6        650
> addmargins(table(is.na(d$clusterprice),is.na(d$aimagprice)))
           FALSE      TRUE       Sum
  FALSE 467142         0 467142
  TRUE   335815    64316 400131
  Sum    802957    64316 867273


# locationprice
> m<-aggregate(d$uprice,list(d$location,d$item),FUN=median,na.rm=T)
> dim(m)
[1] 246     3
> head(m)
  Group.1 Group.2       x
1       1   10101    650
2       2   10101    725
```

```
3        1    10102 1800
4        2    10102 1700
5        1    10103  950
6        2    10103  900
> colnames(m)<-c("location","item","locationprice")
> head(m)
  location  item locationprice
1        1 10101          650
2        2 10101          725
3        1 10102         1800
4        2 10102         1700
5        1 10103          950
6        2 10103          900

> d<-merge(d,m,by=c("location","item"),all.x=T)
> dim(d)
[1] 867273     28
> head(d)
  location  item aimag cluster identif soum row14 q1401_1 q1401_2 q1401_3
1        1 10101    11    1221    2740   25     2       5       5       0
2        1 10101    11    1221    2737   25     2       8       8       0
3        1 10101    11    1221    2745   25     2      10      10       0
4        1 10101    11    1221    2741   25     2       7       7       0
5        1 10101    11     994   11654   10     2       7       7       0
6        1 10101    11    1221    2739   25     2      10      10       0
  q1401_4 q1402_1 q1402_2 q1402_3 q1402_4 q1403_1 q1403_2 q1403_3 q1403_4
1       0       7       7       0       0       5       5       0       0
2       0       6       6       0       0       6       6       0       0
3       0       6       6       0       0       9       9       0       0
4       0       9       9       0       0      13      13       0       0
5       0       4       4       0       0       4       4       0       0
6       0       9       9       0       0      10      10       0       0
  q1404 quarter interviewer supervisor uprice meduprice clusterprice
1   680       1          15          2    680       680          650
2   650       1          15          2    650       650          650
3   650       1          15          2    650       650          650
```

```
4     650          1              15              2     650          650              650
5     650          4              24              1     650          650              650
6     650          1              15              2     650          650              650
   aimagprice locationprice
1           650             650
2           650             650
3           650             650
4           650             650
5           650             650
6           650             650
> addmargins(table(is.na(d$aimagprice),is.na(d$locationprice)))
              FALSE      TRUE       Sum
   FALSE 802957           0 802957
   TRUE      53687    10629    64316
   Sum      856644    10629 867273


# nationalprice
> m<-aggregate(d$uprice,list(d$item),FUN=median,na.rm=T)
> dim(m)
[1] 123      2
> head(m)
   Group.1       x
1     10101    700
2     10102 1800
3     10103    950
4     10104    800
5     10105    650
6     10106 1600
> colnames(m)<-c("item","nationalprice")
> head(m)
     item nationalprice
1 10101                700
2 10102               1800
3 10103                950
4 10104                800
```

```
5 10105                650
6 10106               1600
> head(m[is.na(m$nationalprice),])
       item nationalprice
123 11305                NA
```

☐ item=11305: Other (tobaco)

Imputed unit price was missing even in nationalprice.

```
> d<-merge(d,m,by=c("item"),all.x=T)
> dim(d)
[1] 867273        29
> head(d)
     item location aimag cluster identif soum row14 q1401_1 q1401_2 q1401_3
1 10101        1    11    1221    2740   25      2       5       5       0
2 10101        1    11    1221    2737   25      2       8       8       0
3 10101        1    11    1221    2745   25      2      10      10       0
4 10101        1    11    1221    2741   25      2       7       7       0
5 10101        1    11     994   11654   10      2       7       7       0
6 10101        1    11    1221    2739   25      2      10      10       0
  q1401_4 q1402_1 q1402_2 q1402_3 q1402_4 q1403_1 q1403_2 q1403_3 q1403_4
1       0       7       7       0       0       5       5       0       0
2       0       6       6       0       0       6       6       0       0
3       0       6       6       0       0       9       9       0       0
4       0       9       9       0       0      13      13       0       0
5       0       4       4       0       0       4       4       0       0
6       0       9       9       0       0      10      10       0       0
  q1404 quarter interviewer supervisor uprice meduprice clusterprice
1   680       1          15          2    680       680          650
2   650       1          15          2    650       650          650
3   650       1          15          2    650       650          650
4   650       1          15          2    650       650          650
5   650       4          24          1    650       650          650
6   650       1          15          2    650       650          650
  aimagprice locationprice nationalprice
1        650           650           700
```

```
2          650             650             700
3          650             650             700
4          650             650             700
5          650             650             700
6          650             650             700
> addmargins(table(is.na(d$locationprice),is.na(d$nationalprice)))
              FALSE     TRUE       Sum
   FALSE 856644          0 856644
   TRUE       3578      7051    10629
   Sum      860222      7051 867273
```

☐ up: unit price applied for estimation of expenditure

```
> d$up<-d$meduprice
> d$up<-ifelse(is.na(d$up),d$clusterprice,d$up)
> d$up<-ifelse(is.na(d$up),d$aimagprice,d$up)
> d$up<-ifelse(is.na(d$up),d$locationprice,d$up)
> d$up<-ifelse(is.na(d$up),d$nationalprice,d$up)
> head(d)
     item location aimag cluster identif soum row14 q1401_1 q1401_2 q1401_3
1 10101          1     11    1221    2740    25      2       5       5       0
2 10101          1     11    1221    2737    25      2       8       8       0
3 10101          1     11    1221    2745    25      2      10      10       0
4 10101          1     11    1221    2741    25      2       7       7       0
5 10101          1     11     994   11654    10      2       7       7       0
6 10101          1     11    1221    2739    25      2      10      10       0
   q1401_4 q1402_1 q1402_2 q1402_3 q1402_4 q1403_1 q1403_2 q1403_3 q1403_4
1        0       7       7       0       0       5       5       0       0
2        0       6       6       0       0       6       6       0       0
3        0       6       6       0       0       9       9       0       0
4        0       9       9       0       0      13      13       0       0
5        0       4       4       0       0       4       4       0       0
6        0       9       9       0       0      10      10       0       0
   q1404 quarter interviewer supervisor uprice meduprice clusterprice
1    680       1          15          2    680       680          650
2    650       1          15          2    650       650          650
```

```
3    650          1          15          2    650          650          650
4    650          1          15          2    650          650          650
5    650          4          24          1    650          650          650
6    650          1          15          2    650          650          650
   aimagprice locationprice nationalprice   up
1         650           650          700 680
2         650           650          700 650
3         650           650          700 650
4         650           650          700 650
5         650           650          700 650
6         650           650          700 650
> addmargins(table(is.na(d$up)))
FALSE    TRUE     Sum
860222   7051 867273
```

Estimation method of imputed unit price for rural food 7 days is the same as urban diary.

7.4 Non-food

7.4.1 Non-food

file		15 Non-food
item		item: 20101 to 24309
		drop 22501 (restaurants), 22502 (canteens)
value	purchased	q1303 / 12
	received free	q1304 / 12

- Change item codes for payment service

FROM	TO
23201	23501
23202	23502
23203	23503
23204	23504
23205	23505
23206	23506

- Change item label

ITEM	LABEL
23101	"Fees for administ", modify
23102	"Payment for the s", modify
23103	"Fees for legal se", modify
23104	"Charges for the l", modify
23105	"Other services", modify
23201	"Public service : heating", modify
23202	"Public service : cold water", modify
23203	"Public service : hot water", modify
23204	"Public service : dirty water", modify
23205	"Public service : waste, trash ", modify
23206	"Private service : fees of area", modify

23207	"Private service : use elevator", modify
23208	"Other services fe", modify
23209	"House rent: Ger", modify
23210	"House rent: Apartment", modify
23211	"Water, /brought b", modify
23212	"Charges of repair", modify
23213	"Others", modify
23301	"Electricity, kbt", modify
23401	"Firewood, m3", modify
23402	"Dung,", modify
23403	"Coal, ton", modify
23404	"Gas, l", modify
23405	"Other fuels", modify
23501	"Wall paper, packa", modify
23502	"Oil paint, l", modify
23503	"Bricks, piece", modify
23504	"Cement, kg", modify
23505	"Glass, m2", modify
23506	"Other.....", modify

7.4.2 Food out

file		19 Foodout
item		22501: restaurants 22502: canteens
urban		location=1 or 2
value	purchased	q1508
	received free	q1509
rural		location=3 or 4
	purchased	q1508 * 4.3
	received free	q1509 * 4.3

7.4.3 Energy

file		12 Energy
item		energy_id: 1 to 9
value	purchased	q1140 / 12
	received free	q1141 / 12

- Change item

ITEM	NEW	
1	23301	Electricity
2	23401	Firewood
3	23401	Firewood
4	23403	Coal
5	23403	Coal
6	23402	Dung
7	23402	Dung
8	23404	Gas
9	23405	Other fuels

7.4.4 Payment service

file		13 Payment service
item		1 to 13
value	purchased	q1144 / 12
	received free	q1145 / 12

- Change item

ITEM	NEW	
1	23201	Public service: heating
2	23202	Public service: cold water
3	23203	Public service: hot water
4	23204	Public service: dirty water
5	23205	Public service: waste, trash
6	23206	Private service: fees of area

7	23207	Private service: use of elevator
8	23208	Other services fe
9	23211	Water, /brought b
10	23209	House rent: Ger
11	23210	House rent: Apartment
12	23212	Charges of repair
13	23213	Others

7.4.5 Loan

file		11 Savings loan
item		Repayment for loan
value		q1012 / 12

Chapter 9. Micro data to be provided

Strategy

1. Resampling

The data files which were provided by NSO will be resampled as follows;

1.1 To use household identifier identif in all data files.

1.2 To append personal identifier PID to individual datafiles; 02 individual and 10 Remittance.

1.3 To select 80% of identif by systematic sampling method.

1.4 To select records which identif belongs to the above selected identif from the data files.

2. The household weight hhweight in 20 Basicvars will be adjusted by dividing by 0.8.

3. Resampled data files will be provided in CSV and R format.

4. Others

The imputed unit price data provided by the delegates from Mongolia to the workshop will be appended to data files; “16 Urban Diary” and “17 Rural Food 7 days”.

Appending imputed unit price data

Provided food data file with imputed unit price

"16_urb_diary.dta" appended with applied unit price along with clusterprice, aimagprice, locationprice and nationalprice.

df16: imported dataframe into R

```
> colnames(f16)
 [1] "identif"       "cluster"       "aimag"         "soum"
 [5] "location"      "row14"         "item"          "q1401_1"
 [9] "q1401_2"       "q1401_3"       "q1401_4"       "q1402_1"
[13] "q1402_2"       "q1402_3"       "q1402_4"       "q1403_1"
[17] "q1403_2"       "q1403_3"       "q1403_4"       "uprice"
[21] "quarter"       "interviewer"   "supervisor"    "newaimag"
[25] "urban"         "region"        "month"         "strata"
[29] "hhweight"      "hhsize"        "aimagsoum"     "meduprice"
[33] "clusterprice"  "aimagprice"    "locationprice" "nationalprice"
[37] "q14_pur"       "q14_res"       "q14_own"       "v14_pur"
[41] "v14_res"       "v14_own"
```

```
> d<-outfiles[[16]]
> d<-merge(d,df16[c("identif","item","uprice","meduprice","clusterprice",
+ "aimagprice","locationprice","nationalprice")],by=c("identif","item"))
> dim(fd16)
[1] 867273     29
> colnames(fd16)
 [1] "identif"       "item"          "cluster"       "aimag"
 [5] "soum"          "location"      "row14"         "q1401_1"
 [9] "q1401_2"       "q1401_3"       "q1401_4"       "q1402_1"
[13] "q1402_2"       "q1402_3"       "q1402_4"       "q1403_1"
[17] "q1403_2"       "q1403_3"       "q1403_4"       "q1404"
[21] "quarter"       "interviewer"   "supervisor"    "uprice"
[25] "meduprice"     "clusterprice"  "aimagprice"    "locationprice"
[29] "nationalprice"
> outfiles[[16]]<-d
```

"17_rur_food_7d.dta" appended with applied unit price along with clusterprice, aimagprice, locationprice and nationalprice

df17: imported dataframe into R

```
> colnames(fd17)
 [1] "identif"       "item"          "row15"         "cluster"
 [5] "aimag"         "soum"          "location"      "q1501"
 [9] "q1502"         "q1503"         "q1504"         "q1505"
[13] "q1506"         "quarter"       "interviewer"   "supervisor"
[17] "uprice"        "meduprice"     "clusterprice"  "aimagprice"
[21] "locationprice" "nationalprice"
> d<-outfiles[[17]]
> d<-merge(d,df17[c("identif","item","uprice","meduprice","clusterprice",
+ "aimagprice","locationprice","nationalprice")],by=c("identif","item"))
> dim(fd17)
[1] 708480     22
> colnames(fd17)
 [1] "identif"       "item"          "row15"         "cluster"
 [5] "aimag"         "soum"          "location"      "q1501"
 [9] "q1502"         "q1503"         "q1504"         "q1505"
[13] "q1506"         "quarter"       "interviewer"   "supervisor"
```

```
[17] "uprice"        "meduprice"     "clusterprice"  "aimagprice"
[21] "locationprice" "nationalprice"
> outfiles[[17]]<-d
```

Resampling

```
# Selected 80% of hhid
> hhid<-outfiles[[20]]$identif  # Basicvars
> length(hhid)
[1] 12811
> range(hhid)
[1]     1 12811
> Int<-5
> (St<-sample(1:5,1))
[1] 3
> hhid.selected<-hhid[(1:length(hhid))%%Int!=(St-1)]
> length(hhid.selected)/length(hhid)
[1] 0.8000156
> hhid.selected<-hhid.selected[order(hhid.selected)]
> head(hhid.selected)
[1] 1 3 4 5 6 8

# Resampled at the rate of 80%
# outfiles[[1]] to outfiles[[20]]

> Rnames.80<-paste(Rnames,".80",sep="")
> Rnames.80
 [1] "Household.80"               "Individual.80"
 [3] "Llivestock.80"              "Livestock Expenditure.80"
 [5] "Product.80"                 "Crop.80"
 [7] "Agriultural Expenditure.80" "Enterprise.80"
 [9] "Other income.80"            "Remittance.80"
[11] "Savings loan.80"            "Energy.80"
[13] "Payment service.80"         "Durable.80"
[15] "Non-Food.80"                "Urban Diary.80"
```

```
[17] "Rural Food 7 day.80"        "Foodstuffs.80"
[19] "Foodout.80"                 "Basicvars.80"

> outfiles.80<-list()
> for(j in 1:20){
+ d<-outfiles[[j]]
+ outfiles.80[[j]]<-subset(d,is.element(d$identif,hhid.selected))
+ }
> length(outfiles.80)
[1] 20

> for(j in 1:20){
+ cat(format(Rnames.80[j],width=26),": ",
+ format(nrow(outfiles.80[[j]]),width=7),",",
+ format(ncol(outfiles.80[[j]]),width=3),"¥n")
+ }

Household.80                :    10249 ,  88
Individual.80               :    38440 , 130
Llivestock.80               :    11663 ,  15
Livestock Expenditure.80    :     7276 ,  10
Product.80                  :    59583 ,  16
Crop.80                     :     1857 ,  15
Agriultural Expenditure.80  :     9100 ,  10
Enterprise.80               :     1848 ,  31
Other income.80             :   266474 ,  20
Remittance.80               :     2949 ,  18
Savings loan.80             :     5049 ,  19
Energy.80                   :    92241 ,  15
Payment service.80          :   133237 ,  13
Durable.80                  :   450956 ,  12
Non-Food.80                 :  3699889 ,  15
Urban Diary.80              :   693843 ,  29
Rural Food 7 day.80         :   566784 ,  22
Foodstuffs.80               :    10249 ,  17
Foodout.80                  :    20464 ,  12
```

```
Basicvars.80                :    10249 ,  12


# Adjusted weight in Basicvars
> d<-outfiles.80[[20]]
> d$WT<-d$hhweight/0.8
> outfiles.80[[20]]<-d
> sum(d$WT)
[1] 738429.8
> sum(outfiles[[20]]$hhweight)
[1] 739058.2

> save(outfiles,outfiles.80,hhid.selected,file="Resampling.RData")


# Converted to CSV
> CSVnames<-gsub("¥¥.","_",Rnames.80)
> CSVnames<-paste(CSVnames,".csv",sep="")
> CSVnames
 [1] "Household_80.csv"               "Individual_80.csv"
 [3] "Llivestock_80.csv"              "Livestock Expenditure_80.csv"
 [5] "Product_80.csv"                 "Crop_80.csv"
 [7] "Agriultural Expenditure_80.csv" "Enterprise_80.csv"
 [9] "Other income_80.csv"            "Remittance_80.csv"
[11] "Savings loan_80.csv"            "Energy_80.csv"
[13] "Payment service_80.csv"         "Durable_80.csv"
[15] "Non-Food_80.csv"                "Urban Diary_80.csv"
[17] "Rural Food 7 day_80.csv"        "Foodstuffs_80.csv"
[19] "Foodout_80.csv"                 "Basicvars_80.csv"

> for(j in 1:20){
+ cmd<-paste("write.csv(outfiles.80[[",j,"]],'",CSVnames[j],"',row.names=F)",sep="")
+ eval(parse(text=cmd))
+ }

# Resampled data set in csv format
```

```
> list.files()
 [1] "Agriultural Expenditure_80.csv" "Basicvars_80.csv"
 [3] "Crop_80.csv"                    "Durable_80.csv"
 [5] "Energy_80.csv"                  "Enterprise_80.csv"
 [7] "Foodout_80.csv"                 "Foodstuffs_80.csv"
 [9] "Household_80.csv"               "Individual_80.csv"
[11] "Livestock Expenditure_80.csv"   "Llivestock_80.csv"
[13] "Non-Food_80.csv"                "Other income_80.csv"
[15] "Payment service_80.csv"         "Product_80.csv"
[17] "Remittance_80.csv"              "Rural Food 7 day_80.csv"
[19] "Savings loan_80.csv"            "Urban Diary_80.csv"
```

Appendix 2 to Order ../..
dated December 25, 2008
of the Chairman of the NSO

HSES-1

All staffs at all levels of NSO should keep your responses confidential in accordance with Mongolian Legislation on "Statistics" and "Confidentiality of private information".

We wish all teh best for you and your family.

DIARY FOR KEEPING IN HOUSEHOLDS

/1st 10-DAYS OF A MONTH/

Quarter		Cluster number				Household number	

NAME OF THE HOUSEHOLD HEAD

ADDRESS

NAME OF THE INTERVIEWER CODE

DATE OF VISITS

	YEAR		MONTH		DAY		RESULT*
VISIT 1							
VISIT 2							
VISIT 3							
VISIT 4							

Result code*

Adequately filled -1

Incompletely filled -2

NOTE

Instruction to fill up diary in households

Food consumption of the households

The monthly food consumption of household members shall be recording by following times divided into 3 groups. Namely,

- First ten days/1-10/
- Second ten days/11-20/
- Third ten days /21 to the end of month/

The dieary has the following structure.

1) Cover
2) Instruction
3) Consumption

- The total consumed food items during the 10 days shall be recorded in 10 pages.
- There are 30 rows for every 10 pages to record consumed food items per day. Every row is numbered with four digit-numbers:
- First 2 digits are number of day.
- 3-4 digits are ordinal numbers 1-30; number of consumed food items/.

Household members shall record consumed food items of the particular day on appropriate page as follows.

1) Household member shall be specify name of the consumed food items in (1). Interviewer will code them later on. For example, mutton, imported rice, big red apple, and vegetable oil etc.

Although the standard unis as kilogram, lite, piece etc. have been used to measure items, sometimes members of particular households could purchase certain food items by non-standard units from local markets. In such case household members should inform units with their own ways. For instance, 1 kilogram, 350 grams, 4 apples, half bottle or one sack etc.

Note: Interviewers should convert each food items measured by non-standard units to the standard units and identify respective quantities. In the 11^{th} section, the all food items should be recorded in standard units. For example, if respondent answered as half sack rice, the interviewer should convert it to kilograms.

3) The main sources of consumed food items should be recorded in (3). The corresponding code shall be copied from the resource code lists and if the item is purchased the unit price should be written. For example, supose that the household purchased 3kg potatoes by 350 tugrug per kg totalling 1050 tugrugs. And if 0.5 kg potatoes is consumed in that day, the unit price should be written as 350 tugrug.

- The last two columns shall be filled by the interviewer.

4) (4) Codes for food items: The corresponding code should be chosen from the detailed list of food items attached to the HSES-2a.

5) (5) Quantities converted into standard units:As explained before, the interviewer shall convert the quantities written in (2) into standard units and write the quantities expressed by standard untis. If those quantities are measured by standard units in column (2), the interviewer will directly copy them into this column.

If household members had eaten meals in restautants, canteens etc, such consumption shall be included in the household food consumption. However, any meal shall be recorded only as “meal name” with its price regardless of the meal’s composition. For example, if a household member has eaten a spagetti in a restaurant, it will be recorded as “spagetti” with its price.

Short recommendation of converting some food items into standard units by using available articles:

- one cup of rice- 200gm
- one flat, flour paste-150 gm
- one small spoon salt, sugar etc-15 gm
- one big spoon salt, sugar etc.-20 gm

Record-1: FOOD CONSUMPTION

					DAY 1	
LINE NUMBER	(15.01) Write the full description of the item consumed	(15.02) Write the quantity consumed and the name of the unit of measurement	(15.03) Write sources		FOR OFFICE USE	
			Purchased 21		(15.04)	(15.05)
			Received free- 2			
			Own production -3			
			Code	If purchased, write unit price	ITEM CODE	CONSUMED QUANTITY
	ITEMS	QUANTITY, UNIT		TUGRIG	CODE	STANDARD QUANTITY
0101						
0102						
0103						
0104						
0105						
0106						
0107						
0108						
0109						
0110						
0111						
0112						
0113						
0114						
0115						
0116						
0117						
0118						
0119						
0120						
0121						
0122						
0123						
0124						
0125						
0126						
0127						
0128						
0129						
0130						

Appendix 2 to Order ../..
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HSES-1

All staffs at all levels of NSO should keep your responses confidential in accordance with Mongolian Legislation on "Statistics" and "Confidentiality of private information".

We wish all teh best for you and your family.

DIARY FOR KEEPING IN HOUSEHOLDS

/3rd 10-DAYS OF A MONTH/

Quarter		Cluster number				Household number	

NAME OF THE HOUSEHOLD HEAD

ADDRESS

NAME OF THE INTERVIEWER CODE

DATE OF VISITS

	YEAR		MONTH		DAY		RESULT*
VISIT 1							
VISIT 2							
VISIT 3							
VISIT 4							

Result code*

Adequately filled -1

Incompletely filled -2

NOTE

HOUSEHOLD FOOD CONSUMPTION

					DAY → 1	
	(15.01) Write the full description of the item consumed	(15.02) Write the quantity consumed and the name of the unit of measurement	(15.03) Write sources		FOR OFFICE USE	
			Purchased 21		(15.04)	(15.05)
			Received free- 2			
			Own production -3			
LINE NUMBER			Code	If purchased, write unit price	ITEM CODE	CONSUMED QUANTITY
	ITEMS	QUANTITY, UNIT		TUGRIG	CODE	STANDARD QUANTITY
0101						
0102						
0103						
0104						
0105						
0106						
0107						
0108						
0109						
0110						
0111						
0112						
0113						
0114						
0115						
0116						
0117						
0118						
0119						
0120						
0121						
0122						
0123						
0124						
0125						
0126						
0127						
0128						
0129						
0130						

Appendix 3 to Order ../..
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HSES-2à

1. Enumerator shall give the raw data within the 5th day of the next month to the supervisor according to the approved format.

2. The survey supervisor shall submit the survey data to the NSO by e-mail within the 12th day of the next month after the field work.

HOUSEHOLD SOCIO-ECONOMIC SURVEY

FOR THE HOUSEHOLDS OF THE CAPITAL CITY AND AIMAG CENTERS

SECTION 0 - GENERAL QUESTIONS

1. HOUSEHOLD ID

Cluster number				Household No	

NAME OF THE HOUSEHOLD HEAD _____

ADDRESS _____

ENUMERATOR _____ Код | | |

SUPERVISOR _____ Код | | |

2. Did any visitor stay here with your household for the last month? Number | | |

(SPECIFY NUMBER OF VISITORS)

3. How many days? Person/day | | |

(MULTIPLE THE NUMBER OF VISITORS BY DAYS STAYED)

NOTE: _____

SECTION 11: HOUSEHOLD FOOD CONSUMPTION

FOOD CONSUMPTION BY DIARY

			INTERVIEWER: SUMMARIZE THE FOLLOWING INFORMATION FROM THE DIARY WRITE ZERO IF NOTHING											
			FIRST 10 DAYS /1-10/				SECOND 10 DAYS /11- 20/				THIRD 10 DAYS /21-30,/			
			(11.01)				**(11.02)**				**(11.03)**			**(11.04)**
			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS		AVERAGE PRICE OF THE UNITS /Write the average price of the three 10-days/
				2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production	
	ITEMS	Unit	QUANTITY				QUANTITY				QUANTITY				UGRUGS / [UNIT]
10100	**FLOUR AND FLOUR PRODUCTS**														
10101	Bread (1 piece = 670 gr)	piece													/ piece
10102	Rice	Kg													/ Kg
10103	Flour, highest grade	Kg													/ Kg
10104	Flour, grade 1	Kg													/ Kg
10105	Flour, grade 2	Kg													/ Kg
10106	Other (barley flower etc.)	kg													/ kg
10107	Noodle,domestic	Kg													/ Kg
10108	Noodle, import	Kg													/ Kg
10109	Bakery	Kg													/ Kg
10110	Biscuit	Kg													/ Kg
10111	Cake	Kg													/ Kg
10112	Millet	Kg													/ Kg
10113	Other rice (farina…)	Kg													/ Kg
10114	Pizza	piece													/ piece
10115	Other flour and flour products	kg													/ kg
10199	Sub total 10102 - 10115														
10200	**MEAT, MEAT PRODUCTS**														
10201	Mutton	Kg													/ Kg
10202	Beef	Kg													/ Kg
10203	Goat meat	Kg													/ Kg
10204	Horse meat	Kg													/ Kg
10205	Camel meat	Kg													/ Kg

SECTION 11: HOUSEHOLD FOOD CONSUMPTION

FOOD CONSUMPTION BY DIARY

			INTERVIEWER: SUMMARIZE THE FOLLOWING INFORMATION FROM THE DIARY WRITE ZERO IF NOTHING												
			FIRST 10 DAYS /1-10/				SECOND 10 DAYS /11- 20/				THIRD 10 DAYS /21-30,/				
			(11.01)				**(11.02)**				**(11.03)**				**(11.04)**
			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			AVERAGE PRICE OF THE UNITS /Write the average price of the three 10-days/
				2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production	
	ITEMS	Unit	QUANTITY				QUANTITY				QUANTITY				UGRUGS / [UNIT]
10206	Dried meat	Kg													/ Kg
10207	chicken	Kg													/ Kg
10208	Pork	Kg													/ Kg
10209	Bacon	Kg													/ Kg
10210	Game	Kg													/ Kg
10211	Other poultry	Kg													/ Kg
10212	Animal interior	Kg													/ Kg
10213	Sausage,salami kg	Kg													/ Kg
10214	Sausage	Kg													/ Kg
10215	Canned and semi-processed meat	Kg													/ Kg
10216	Other (frozen dumplings, buuz, animal head and shiir	Kg													/ Kg
10299	Sub total 10201 - 10216														
10300	**FISH AND SEAFOOD**														
10301	Fish	Kg													/ Kg
10302	Dried, smoked, salted fish	Kg													/ Kg
10303	Canned fish	Kg													/ Kg
10304	Other (crab etc)	Kg													/ Kg
10399	Sub total 10301 - 10304														
10400	**MILK, DIARY PRODUCTS AND EGGS**														
10401	Milk	liter													/ liter
10402	Youghurt	liter													/ liter
10403	Eggs	piece													/ piece

SECTION 11: HOUSEHOLD FOOD CONSUMPTION

FOOD CONSUMPTION BY DIARY

			INTERVIEWER: SUMMARIZE THE FOLLOWING INFORMATION FROM THE DIARY WRITE ZERO IF NOTHING												
			FIRST 10 DAYS /1-10/				SECOND 10 DAYS /11- 20/				THIRD 10 DAYS /21-30,/				
			(11.01)				**(11.02)**				**(11.03)**				**(11.04)**
			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			AVERAGE PRICE OF THE UNITS /Write the average price of the three 10-days/
				2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production	
	ITEMS	Unit	QUANTITY				QUANTITY				QUANTITY				UGRUGS / [UNIT]
10404	Dried curds	kg													/ kg
10405	Horse milk, l	liter													/ liter
10406	Curds	Kg													/ Kg
10407	Cheese, national	Kg													/ Kg
10408	Cheese	Kg													/ Kg
10409	Curd (not sour)	Kg													/ Kg
10410	Other milk products	Kg													/ Kg
10411	Dried and coffee milk	Kg													/ Kg
10412	Condensed milk	liter													/ liter
10413	Sour cream	kg													/ kg
10414	Dried eggs	kg													/ kg
10415	Other (milk with fruit flavor, flavored yoghurt etc.)														
10499	Sub total 10401 - 10415														
10500	**OILS AND FAT**														
10501	Butter	kg													/ kg
10502	Margarine	kg													/ kg
10503	Vegetable oil	liter													/ liter
10504	Edible animal fats	Kg													/ Kg
10505	Cream	Kg													/ Kg
10506	Tradiitional butter	Kg													/ Kg
10507	Olive oil	Liter													/ Liter
10508	Other (marmot, pig oil etc.)	Kg													/ Kg
10599	Sub total 10501 - 10508														

SECTION 11: HOUSEHOLD FOOD CONSUMPTION

FOOD CONSUMPTION BY DIARY

			INTERVIEWER: SUMMARIZE THE FOLLOWING INFORMATION FROM THE DIARY WRITE ZERO IF NOTHING												
			FIRST 10 DAYS /1-10/				SECOND 10 DAYS /11- 20/				THIRD 10 DAYS /21-30,/				
			(11.01)				**(11.02)**				**(11.03)**				**(11.04)**
			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			AVERAGE PRICE OF THE UNITS /Write the average price of the three 10-days/
				2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production	
	ITEMS	Unit	QUANTITY				QUANTITY				QUANTITY				UGRUGS / [UNIT]
10600	**FRUITS**														
10601	Apple	Kg													/ Kg
10602	Mandarin	Kg													/ Kg
10603	Grape	Kg													/ Kg
10604	Watermelon	Kg													/ Kg
10605	Natural wild fruit	Kg													/ Kg
10606	Dried fruit	Kg													/ Kg
10607	Wild nuts,kg	Kg													/ Kg
10608	Other nuts	Kg													/ Kg
10609	Other Fruits	Kg													/ Kg
10699	Sub total 10601 - 10609														
10700	**VEGETABLES**														
10701	Potato	Kg													/ Kg
10702	Cabbage	Kg													/ Kg
10703	Carrot	Kg													/ Kg
10704	Turnip	Kg													/ Kg
10705	Onion	Kg													/ Kg
10706	Garlic	gm													/ gm
10707	Tomato	Kg													/ Kg
10708	Cucumber	Kg													/ Kg
10709	Jelly sticks	Kg													/ Kg
10710	Canned cucumber	Kg													/ Kg
10711	Canned vegetable salad	Kg													/ Kg
10712	Pepper	Kg													/ Kg

SECTION 11: HOUSEHOLD FOOD CONSUMPTION

FOOD CONSUMPTION BY DIARY

			INTERVIEWER: SUMMARIZE THE FOLLOWING INFORMATION FROM THE DIARY WRITE ZERO IF NOTHING												
			FIRST 10 DAYS /1-10/				SECOND 10 DAYS /11- 20/				THIRD 10 DAYS /21-30,/				
			(11.01)				**(11.02)**				**(11.03)**				**(11.04)**
			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			AVERAGE PRICE OF THE UNITS /Write the average price of the three 10-days/
				2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production	
	ITEMS	Unit	QUANTITY				QUANTITY				QUANTITY				UGRUGS / [UNIT]
10713	Mushrooms, sea kale	Kg													/ Kg
10714	Other (processed vegetables, spinach etc.)	Kg													/ Kg
10799	Sub total 10701 - 10714														
10800	**SUGAR, SWEETS AND JAM**														
10801	Sugar	Kg													/ Kg
10802	Lump sugar	Kg													/ Kg
10803	Sugar substitution	gm													/ gm
10804	Candy	kg													/ kg
10805	Sweet (chewable)	kg													/ kg
10806	Chocolate	gm													/ gm
10807	Honey	gm													/ gm
10808	Compote	gm													/ gm
10809	Jam	gm													/ gm
10810	Icecream	gm													/ gm
10811	Chewing gum	piece													/ piece
10812	Syrup	kg													/ kg
10813	Other (marmelade, sugar jam)														
10899	Sub total 10801 - 10813														
10900	**OTHER FOOD**														
10901	Salt	gm													/ gm
10902	Vinegar	gm													/ gm
10903	Ketchup, sauce	gm													/ gm
10904	Mayonnaise	kg													/ kg

SECTION 11: HOUSEHOLD FOOD CONSUMPTION

FOOD CONSUMPTION BY DIARY

			INTERVIEWER: SUMMARIZE THE FOLLOWING INFORMATION FROM THE DIARY WRITE ZERO IF NOTHING												
			FIRST 10 DAYS /1-10/				SECOND 10 DAYS /11- 20/				THIRD 10 DAYS /21-30,/				
			(11.01)				**(11.02)**				**(11.03)**				**(11.04)**
			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			AVERAGE PRICE OF THE UNITS /Write the average price of the three 10-days/
				2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production	
	ITEMS	Unit	QUANTITY				QUANTITY				QUANTITY				UGRUGS / [UNIT]
10905	Yeast	gm													/ gm
10906	Spice	gm													/ gm
10907	Babyfood	kg													/ kg
10908	Other (mustard etc)														
10999	Sub total 10901 - 10908														
11000	**TEA AND COFFEE**														
11001	Green tea	gm													/ gm
11002	Tea	gm													/ gm
11003	Coffee	gm													/ gm
11004	Cocoa	gm													/ gm
11005	Other (tea substitute, coffee, tea extract etc)	gm													/ gm
11099	Sub total 11001 - 11005														
11100	**MINERAL WATER AND SOFT DRINKS**														
11101	Drink (gasified and ungasified)	liter													/ liter
11102	Juice (concentrated, fruit and vegetables)	liter													/ liter
11103	Pure water, bottled	liter													/ liter
11104	Other soft drinks (sirup etc.)	liter													/ liter
11199	Sub total 11101 - 11104														
11200	**ALCOHOLIC BEVERAGES**														
11201	Vodka, domestic	liter													/ liter
11202	Beer, domestic	liter													/ liter
11203	Vodka, imported	liter													/ liter

SECTION 11: HOUSEHOLD FOOD CONSUMPTION

FOOD CONSUMPTION BY DIARY

				INTERVIEWER: SUMMARIZE THE FOLLOWING INFORMATION FROM THE DIARY WRITE ZERO IF NOTHING											
				FIRST 10 DAYS /1-10/				SECOND 10 DAYS /11- 20/				THIRD 10 DAYS /21-30,/				
				(11.01)				**(11.02)**				**(11.03)**				**(11.04)**
				1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			1. Total consumed	MAIN SOURCES OF CONSUMED ITEMS			AVERAGE PRICE OF THE UNITS /Write the average price of the three 10-days/
					2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production		2. Purchased	3. Received free	4. Own production	
	ITEMS	Unit		QUANTITY				QUANTITY				QUANTITY				UGRUGS / [UNIT]
11204	Beer, imported	liter														/ liter
11205	Wine	liter														/ liter
11206	Other alcoholic beverages	liter														/ liter
11299	Sub total 11201 - 11206															
11300	**TOBACCO AND CIGARETTES**															
11301	Cigarette, imported	box														/box
11302	Cigarette, domestic	box														/box
11303	Tobacco	gm														/ gm
11304	Snuff	gm														/ gm
11305	Other (Chewing and leaf tobacco)	gm														/ gm
11399	Sub total 11301 -															

FOOD ITEMS		
Code		Unit
10100	**Flour and flour products**	
10101	Bread (1 piece = 670 gr)	piece
10102	Rice	kg
10103	Flour, highest grade	kg
10104	Flour, grade 1	kg
10105	Flour, grade 2	kg
10106	Other flour (barley flower etc)	kg
10107	Noodle,domestic	kg
10108	Noodle, import	kg
10109	Bakery	kg
10110	Biscuit	kg
10111	Cake	kg
10112	Millet	kg
10113	Other rice (farina…)	kg
10114	Pizza	piece
10115	Other flour and flour products (undried noodle etc)	kg
10200	**Meat, meat products**	
10201	Mutton	kg
10202	Beef	kg
10203	Goat meat	kg
10204	Horse meat	kg
10205	Camel meat	kg
10206	Dried meat	kg
10207	chicken	kg
10208	Pork	kg
10209	Bacon	kg
10210	Game	kg
10211	Other poultry	kg
10212	Animal interior	kg
10213	Sausage,salami kg	kg
10214	Sausage	kg
10215	Canned and semi-processed meat	kg
10216	Other (frozen dumplings, buuz etc)	kg
10300	**Fish and seafood**	
10301	Fish	kg
10302	Dried, smoked, salted fish	kg
10303	Canned fish	kg
10304	Other (crabs etc)	kg

FOOD ITEMS		
Code		Unit
10400	**Milk, diary products, eggs**	
10401	Milk	liter
10402	Youghurt	liter
10403	Eggs	piece
10404	Dried curds	kg
10405	Horse milk, l	liter
10406	Curds	kg
10407	Cheese, national	kg
10408	Cheese	kg
10409	Curd (not sour)	kg
10410	Other milk products	kg
10411	Dried and coffee milk	kg
10412	Condensed milk	liter
10413	Sour cream	kg
10414	Dried eggs	kg
10415	Other (milk with fruit flavor, flavored yoghurt etc.)	
10500	**Oils and fat**	
10501	Butter	kg
10502	Margarine	kg
10503	Vegetable oil	liter
10504	Edible animal fats	kg
10505	Cream	kg
10506	Traditional butter	kg
10507	Olive oil	liter
10508	Other (marmot, pig oil etc)	kg
10600	**Fruit**	
10601	Apple	kg
10602	Mandarin	kg
10603	Grape	kg
10604	Watermelon	kg
10605	Áайгалèéн жимс	kg
10606	Dried fruit	kg
10607	Wild nuts,kg	kg
10608	Other nuts	kg
10609	Other Fruits	kg
10700	**Vegetables**	
10701	Potato	kg
10702	Cabbage	kg
10703	Carrot	kg

FOOD ITEMS		
Code		Unit
10704	Turnip	kg
10705	Onion	kg
10706	Garlic	gm
10707	Tomato	kg
10708	Cucumber	kg
10709	Jelly sticks	kg
10710	Canned cucumber	kg
10711	Canned vegetable salad	kg
10712	Pepper	kg
10713	Mushrooms, sea kale	kg
10714	Other (processed vegetables, spinach etc)	kg
10800	**Sweet, fruit jam**	
10801	Sugar	kg
10802	Lump sugar	kg
10803	Sugar substitution	gm
10804	Candy	kg
10805	Sweet (chewable)	kg
10806	Chocolate	gm
10807	Honey	gm
10808	Compote	gm
10809	Jam	gm
10810	Icecream	gm
10811	Chewing gum	piece
10812	Syrup	kg
10813	Other (marmelade, sugar jam	
10900	**Other food**	
10901	Salt	gm
10902	Vinegar	gm
10903	Ketchup, sauce	gm
10904	Mayonnaise	kg
10905	Yeast	gm
10906	Spice	gm
10907	Baby food	kg
10908	Other (mustard etc	
11000	**Tea, coffee**	
11001	Green tea	gm
11002	Tea	gm
11003	Coffee	gm
11004	Cocoa	gm
11005	Other (tea substitute, êîôå, coffee, tea extract etc)	gm

FOOD ITEMS		
Code		Unit
11100	**Pure water, soft drinks, juice**	
11101	Drink (gasified and ungasified)	liter
11102	Juice (concentrated, fruit and vegetables)	liter
11103	Pure water, bottled	liter
11104	Other soft drinks (siryp etc.)	liter
11200	**Alcoholic bewerages**	
11201	Vodka, domestic	liter
11202	Beer, domestic	liter
11203	Vodka, imported	liter
11204	Beer, imported	liter
11205	Wine	liter
11206	Other alcoholic beverages	liter
11300	**Tobacco and cigarettes**	
11301	Cigarette, imported	box
11302	Cigarette, domestic	box
11303	Tobacco	gm
11304	Snuff	gm
11305	Other (chewing and leaf tobacco)	gm

Appendix 3 to Order ../..
dated December 25, 2008
of the Chairman of the NSO

HSES-2b

1.Enumerator shall give the raw data within the 5th day of the next month to the supervisor according to the approved format.

2. The survey supervisor shall submit the survey data to the NSO by e-mail within the 12th day of the next month after the field work.

HOUSEHOLD SOCIO-ECONOMIC SURVEY

For the rural households /soum center and herders/

SECTION 0 - GENERAL QUESTIONS

1. HOUSEHOLD ID

Cluster number				Household No	

NAME OF THE HOUSEHOLD HEAD _____

ADDRESS _____

ENUMERATOR _____ Code | |

SUPERVISOR _____ Code | |

2. Did any visitor stay here with your household for the last month? Number | |

(SPECIFY NUMBER OF VISITORS)

3. How many days? Person/day | |

(MULTIPLE THE NUMBER OF VISITORS BY DAYS STAYED)

NOTE: _____

SECTION 12: HOUSEHOLD FOOD CONSUMPTION

	ASK QUESTION (12.01) FOR ALL ITEMS FIRST, AND WRITE "1" IN THE FIRST COLUMN IF THE ANSWER IS YES AND WRIETE "2" IN THE SECOND COLUMN OTHERWISE AND THEN FOR THE ONES WHERE THE ANSWER IS "1: YES" ASK QUESTIONS (12.02) TO (12.06)		CONSUMPTION OF THE PAST 7 DAYS						
			TOTAL	MAIN SOURCES OF THE CONSUMPTION					
	(12.01) Have the household members consumed ..[ITEM].. During the past 7 days?		**(12.02)** How many quantity of [Item] did your household consume for the past 7 days? (12.02)=(12.03)+(12.05)+(12.06)	PURCHASE		RECEIVED FREE	OWN		
				(12.03) Consumed from the purchase	**(12.04)** Unit price of the purchased item	**(12.05)** Consumed from the item received free	**(12.06)** Consumed from own production		
	ITEMS	UNIT	QUANTITY	QUANTITY	TUGRUG / [unit]	QUANTITY	QUANTITY		
10100	**FLOUR AND FLOUR PRODUCTS**								
10101	Bread (1 piece = 670 gr)	piece			/ piece				
10102	Rice	Kg			/ Kg				
10103	Flour, highest grade	Kg			/ Kg				
10104	Flour, grade 1	Kg			/ Kg				
10105	Flour, grade 2	Kg			/ Kg				
10106	Other flour (barley flour etc.)	Kg			/ Kg				
10107	Noodle,domestic	Kg			/ Kg				
10108	Noodle, import	Kg			/ Kg				
10109	Bakery	Kg			/ Kg				
10110	Biscuit	Kg			/ Kg				
10111	Cake	Kg			/ Kg				
10112	Millet	Kg			/ Kg				
10113	Other rice (farina…)	Kg			/ Kg				
10114	Pizza	Piece			/ Piece				
10115	Other flour and flour products (undried noodle etc.)	kg			/ kg				
10199	Sub total 10102 - 10115								
10200	**MEAT, MEAT PRODUCTS**								
10201	Mutton	Kg			/ Kg				
10202	Beef	Kg			/ Kg				
10203	Goat meat	Kg			/ Kg				

SECTION 12: HOUSEHOLD FOOD CONSUMPTION

FOOD CONSUMPTION BY RECALL

	ASK QUESTION (12.01) FOR ALL ITEMS FIRST, AND WRITE "1" IN THE FIRST COLUMN IF THE ANSWER IS YES AND WRIETE "2" IN THE SECOND COLUMN OTHERWISE AND THEN FOR THE ONES WHERE THE ANSWER IS "1: YES" ASK QUESTIONS (12.02) TO (12.06)		CONSUMPTION OF THE PAST 7 DAYS						
					TOTAL	MAIN SOURCES OF THE CONSUMPTION			
						PURCHASE		RECEIVED FREE	OWN
	(12.01) Have the household members consumed ..[ITEM].. During the past 7 days?		Yes 1	No 2	**(12.02)** How many quantity of [Item] did your household consume for the past 7 days? (12.02)=(12.03)+(12.05)+(12.06)	**(12.03)** Consumed from the purchase	**(12.04)** Unit price of the purchased item	**(12.05)** Consumed from the item received free	**(12.06)** Consumed from own production
	ITEMS	UNIT			QUANTITY	QUANTITY	TUGRUG / [unit]	QUANTITY	QUANTITY
10204	Horse meat	Kg					/ Kg		
10205	Camel meat	Kg					/ Kg		
10206	Dried meat	Kg					/ Kg		
10207	Chicken	Kg					/ Kg		
10208	Pork	Kg					/ Kg		
10209	Bacon	Kg					/ Kg		
10210	Game	Kg					/ Kg		
10211	Other poultry	Kg					/ Kg		
10212	Animal interior	Kg					/ Kg		
10213	Sausage,salami kg	Kg					/ Kg		
10214	Sausage	Kg					/ Kg		
10215	Canned and semi-processed meat	Kg					/ Kg		
10216	Other (frozen dumplings, buuz, animal heads etc.)	Kg					/ Kg		
10299	Sub total 10201 - 10216								
10300	**FISH AND SEAFOOD**								
10301	Fish	Kg					/ Kg		
10302	Dried, smoked, salted fish	Kg					/ Kg		
10303	Canned fish	Kg					/ Kg		
10304	Other fish and seafood (crab etc)	Kg					/ Kg		
10399	Sub total 10301 - 10304								
10400	**MILK, CHEESE AND EGGS**								
10401	Milk	Liter					/ Liter		

SECTION 12: HOUSEHOLD FOOD CONSUMPTION

	ASK QUESTION (12.01) FOR ALL ITEMS FIRST, AND WRITE "1" IN THE FIRST COLUMN IF THE ANSWER IS YES AND WRIETE "2" IN THE SECOND COLUMN OTHERWISE AND THEN FOR THE ONES WHERE THE ANSWER IS "1: YES" ASK QUESTIONS (12.02) TO (12.06)		CONSUMPTION OF THE PAST 7 DAYS						
			TOTAL	MAIN SOURCES OF THE CONSUMPTION					
				PURCHASE		RECEIVED FREE	OWN		
	(12.01) Have the household members consumed ..[ITEM].. During the past 7 days?		**(12.02)** How many quantity of [Item] did your household consume for the past 7 days? (12.02)=(12.03)+(12.05)+(12.06)	**(12.03)** Consumed from the purchase	**(12.04)** Unit price of the purchased item	**(12.05)** Consumed from the item received free	**(12.06)** Consumed from own production		
			Yes **1** ↓	No **2** ↓					
	ITEMS	UNIT			QUANTITY	QUANTITY	TUGRUG / [unit]	QUANTITY	QUANTITY
10402	Youghurt	Liter					/ Liter		
10403	Eggs	ø					/ ø		
10404	Dried curds	Kg					/ Kg		
10405	Horse milk, l	Liter					/ Liter		
10406	Curds	Kg					/ Kg		
10407	Cheese, national	Kg					/ Kg		
10408	Cheese	Kg					/ Kg		
10409	Curd (not sour)	Kg					/ Kg		
10410	Other diary products	Kg					/ Kg		
10411	Dried and coffee milk	Kg					/ Kg		
10412	Condensed milk	Liter					/ Liter		
10413	Sour cream	Kg					/ Kg		
10414	Dried eggs	Kg					/ Kg		
10415	Other (flavored yoghurt, fruit etc)								
10499	Sub total 10401 - 10415								
10500	**OILS AND FAT**								
10501	Butter	Kg					/ Kg		
10502	Margarine	Kg					/ Kg		
10503	Vegetable oil	Liter					/ Liter		
10504	Oil made of animal fat	Kg					/ Kg		
10505	Traditional cream	Kg					/ Kg		
10506	Traditional butter	Kg					/ Kg		

SECTION 12: HOUSEHOLD FOOD CONSUMPTION

	ASK QUESTION (12.01) FOR ALL ITEMS FIRST, AND WRITE "1" IN THE FIRST COLUMN IF THE ANSWER IS YES AND WRIETE "2" IN THE SECOND COLUMN OTHERWISE AND THEN FOR THE ONES WHERE THE ANSWER IS "1: YES" ASK QUESTIONS (12.02) TO (12.06)		CONSUMPTION OF THE PAST 7 DAYS						
			TOTAL	MAIN SOURCES OF THE CONSUMPTION					
	(12.01) Have the household members consumed ..[ITEM].. During the past 7 days?			PURCHASE		RECEIVED FREE	OWN		
			(12.02) How many quantity of [Item] did your household consume for the past 7 days? (12.02)=(12.03)+(12.05)+(12.06)	**(12.03)** Consumed from the purchase	**(12.04)** Unit price of the purchased item	**(12.05)** Consumed from the item received free	**(12.06)** Consumed from own production		
	ITEMS	UNIT	QUANTITY	QUANTITY	TUGRUG / [unit]	QUANTITY	QUANTITY		
10507	Olive oil	Liter			/ Liter				
10508	Other (Pig, marmot oil, fat etc.)	Kg			/ Kg				
10599	Sub total 10501 - 10508								
10600	**FRUITS**								
10601	Apple	Kg			/ Kg				
10602	Mandarin	Kg			/ Kg				
10603	Grape	Kg			/ Kg				
10604	Watermelon	Kg			/ Kg				
10605	Wild fruit	Kg			/ Kg				
10606	Dried fruit	Kg			/ Kg				
10607	Wild nut	Kg			/ Kg				
10608	Other nut	Kg			/ Kg				
10609	Other Fruits	Kg			/ Kg				
10699	Sub total 10601 - 10609								
10700	**VEGETABLES**								
10701	Potato	Kg			/ Kg				
10702	Cabbage	Kg			/ Kg				
10703	Carrot	Kg			/ Kg				
10704	Turnip	Kg			/ Kg				
10705	Onion	Kg			/ Kg				
10706	Garlic	Gm			/ Gm				
10707	Tomato	Kg			/ Kg				

SECTION 12: HOUSEHOLD FOOD CONSUMPTION

	ASK QUESTION (12.01) FOR ALL ITEMS FIRST, AND WRITE "1" IN THE FIRST COLUMN IF THE ANSWER IS YES AND WRIETE "2" IN THE SECOND COLUMN OTHERWISE AND THEN FOR THE ONES WHERE THE ANSWER IS "1: YES" ASK QUESTIONS (12.02) TO (12.06)		CONSUMPTION OF THE PAST 7 DAYS						
			TOTAL	MAIN SOURCES OF THE CONSUMPTION					
	(12.01) Have the household members consumed ..[ITEM].. During the past 7 days?			PURCHASE		RECEIVED FREE	OWN		
			(12.02) How many quantity of [Item] did your household consume for the past 7 days? (12.02)=(12.03)+(12.05)+(12.06)	(12.03) Consumed from the purchase	(12.04) Unit price of the purchased item	(12.05) Consumed from the item received free	(12.06) Consumed from own production		
	ITEMS	UNIT	QUANTITY	QUANTITY	TUGRUG / [unit]	QUANTITY	QUANTITY		
10708	Cucumber	Kg			/ Kg				
10709	Jelly sticks	Kg			/ Kg				
10710	Canned cucumber	Kg			/ Kg				
10711	Canned vegetable salad	Kg			/ Kg				
10712	Pepper	Kg			/ Kg				
10713	Mushrooms, sea kale	Kg			/ Kg				
10714	Other (processed vegetables, spinach etc)	Kg			/ Kg				
10799	Sub total 10701 - 10714								
10800	**SUGAR, SWEET AND JAM**								
10801	Sugar	Kg			/ Kg				
10802	Lump sugar	Kg			/ Kg				
10803	Sugar substitution	Gm			/ Gm				
10804	Candy	Kg			/ Kg				
10805	Sweet (chewable)	Kg			/ Kg				
10806	Chocolate	Gm			/ Gm				
10807	Honey	Gm			/ Gm				
10808	Compote	Gm			/ Gm				
10809	Jam	Gm			/ Gm				
10810	Icecream	Gm			/ Gm				
10811	Chewing gum	piece			/ piece				
10812	Syrup	Kg			/ Kg				
10813	Other (marmelade, sugar jam etc.)								

SECTION 12: HOUSEHOLD FOOD CONSUMPTION

	ASK QUESTION (12.01) FOR ALL ITEMS FIRST, AND WRITE "1" IN THE FIRST COLUMN IF THE ANSWER IS YES AND WRIETE "2" IN THE SECOND COLUMN OTHERWISE AND THEN FOR THE ONES WHERE THE ANSWER IS "1: YES" ASK QUESTIONS (12.02) TO (12.06)		CONSUMPTION OF THE PAST 7 DAYS						
			TOTAL	MAIN SOURCES OF THE CONSUMPTION					
				PURCHASE		RECEIVED FREE	OWN		
	(12.01) Have the household members consumed ..[ITEM].. During the past 7 days?		(12.02) How many quantity of [Item] did your household consume for the past 7 days? (12.02)=(12.03)+(12.05)+(12.06)	(12.03) Consumed from the purchase	(12.04) Unit price of the purchased item	(12.05) Consumed from the item received free	(12.06) Consumed from own production		
			Yes 1 ↓	No 2 ↓					
	ITEMS	UNIT			QUANTITY	QUANTITY	TUGRUG / [unit]	QUANTITY	QUANTITY
10899	Sub total 10801 - 10813								
10900	**OTHER FOOD**								
10901	Salt	Gm					/ Gm		
10902	Vinegar	Gm					/ Gm		
10903	Ketchup	Gm					/ Gm		
10904	Mayonnaise	Kg					/ Kg		
10905	Yeast	Gm					/ Gm		
10906	Spice	Gm					/ Gm		
10907	Babyfood	Kg					/ Kg		
10908	Other (mustard etc.)								
10999	Sub total 10901 - 10908								
11000	**TEA AND COFFEE**								
11001	Green tea	Gm					/ Gm		
11002	Tea	Gm					/ Gm		
11003	Coffee	Gm					/ Gm		
11004	Cocoa	Gm					/ Gm		
11005	Other (tea substitute, coffee, tea extract etc)	Gm					/ Gm		
11099	Sub total 11001 - 11005								
11100	**PURE WATER, JUICE AND SOFT DRINKS**								
11101	Drink (gasified and ungasified)	Liter					/ Liter		
11102	Juice (concentrated fruit and vegetable juice)	Liter					/ Liter		
11103	Pure water, bottled.	Liter					/ Liter		

SECTION 12: HOUSEHOLD FOOD CONSUMPTION

FOOD CONSUMPTION BY RECALL

	ASK QUESTION (12.01) FOR ALL ITEMS FIRST, AND WRITE "1" IN THE FIRST COLUMN IF THE ANSWER IS YES AND WRIETE "2" IN THE SECOND COLUMN OTHERWISE AND THEN FOR THE ONES WHERE THE ANSWER IS "1: YES" ASK QUESTIONS (12.02) TO (12.06)		CONSUMPTION OF THE PAST 7 DAYS					
			TOTAL	MAIN SOURCES OF THE CONSUMPTION				
				PURCHASE		RECEIVED FREE	OWN	
	(12.01) Have the household members consumed ..[ITEM].. During the past 7 days?		(12.02) How many quantity of [Item] did your household consume for the past 7 days? (12.02)=(12.03)+(12.05)+(12.06)	(12.03) Consumed from the purchase	(12.04) Unit price of the purchased item	(12.05) Consumed from the item received free	(12.06) Consumed from own production	
		Yes 1 / No 2						
	ITEMS	UNIT	QUANTITY	QUANTITY	TUGRUG / [unit]	QUANTITY	QUANTITY	
11104	Other soft drinks	Liter			/ Liter			
11199	Sub total 11101 - 11104							
11200	**ALCOHOLIC BEVERAGES**							
11201	Vodka, domestic	Liter			/ Liter			
11202	Beer, domestic	Liter			/ Liter			
11203	Vodka, imported	Liter			/ Liter			
11204	Beer, imported	Liter			/ Liter			
11205	Wine	Liter			/ Liter			
11206	Other alcoholic beverages	Liter			/ Liter			
11299	Sub total 11201 - 11206							
11300	**TOBACCO AND CIGARETTES**							
11301	Cigarette, imported	Box			/ Box			
11302	Cigarette, domestic	Box			/ Box			
11303	Tobacco	Gm			/ Gm			
11304	Snuff	Gm			/ Gm			
11305	Other (chewing tobacco, leaf tobacco etc)	Gm			/ Gm			
11399	Sub total 11301 - 11305							

Food consumption /not in household/			
ITEM	(15.07) Did you or any member of your household spent following items during the past 7 days? YES 1	(15.08) How much did all members of your household spend on purchases of ..[ITEM].. during the past 7 days?	(15.09) What is the value of all ..[ITEM].. that all members of your household received free from others during the past 7 days?

SECTION 12: HOUSEHOLD FOOD CONSUMPTION

	ASK QUESTION (12.01) FOR ALL ITEMS FIRST, AND WRITE "1" IN THE FIRST COLUMN IF THE ANSWER IS YES AND WRIETE "2" IN THE SECOND COLUMN OTHERWISE AND THEN FOR THE ONES WHERE THE ANSWER IS "1: YES" ASK QUESTIONS (12.02) TO (12.06)		CONSUMPTION OF THE PAST 7 DAYS					
				TOTAL	MAIN SOURCES OF THE CONSUMPTION			
					PURCHASE		RECEIVED FREE	OWN
	(12.01) Have the household members consumed ..[ITEM].. During the past 7 days?		Yes 1	**(12.02)** How many quantity of [Item] did your household consume for the past 7 days? (12.02)=(12.03)+(12.05)+(12.06)	**(12.03)** Consumed from the purchase	**(12.04)** Unit price of the purchased item	**(12.05)** Consumed from the item received free	**(12.06)** Consumed from own production
	ITEMS	UNIT	↓	QUANTITY	QUANTITY	TUGRUG / [unit]	QUANTITY	QUANTITY
	NO 2 → Next item							
1	Restaurants, cafes							
2	Canteens in schools, works canteens							

Appendice 1 to Decree No. 01/179, dated November 29, 2011,
of the Chairman of the National Statistical Office

1. The enumerator will submit the information in form sheets to the supervisor within the 5th of each month.
2. Statistial office/department of the Capital city/Aimag will send via email that information to the National Statistical Office (NSO) within the 12th of that month.

HSES-1

HOUSEHOLD SOCIO-ECONOMIC SURVEY

SECTION 0-GENERAL QUESTIONS

1. HOUSEHOLD ID							
Quarter		Cluster number				HH No	

2. AIMAG/CAPITAL	Code
3. SOUM/DISTRICT	Code
4. LOCATION CAPITAL - 1 AIMAG CENTER -2 SOUM CENTER - 3 RURAL - 4	Code
5. ENUMERATOR	Code
6. SUPERVISOR	Code
7. DATA ENTRY OPERATOR	Code
8. NUMBER OF HOUSEHOLD MEMBERS (Equal to the sum of members answered "a right person to continue asking questions" against Question 11, Section I.)	Code
9. HOUSEHOLD SAMPLE SELECTION MAIN HOUSEHOLD 1 HOUSEHOLD AT THE ADDRESS WRITTEN 2 SUBSTITUTIVE HOUSEHOLD 3	Code

VISITS	DATE			RESULT*
	DAY	MONTH	YEAR	
1				
2				
3				
4				

* Result code

COMPLETE	1
PARTIALLY COMPLETED	2
NO RESPONDENT IN THE HOUSEHOLD	3
HOUSEHOLD TEMPERARILY NOT PRESENT	4
POSTPONED	5
REFUSED	6
HOUSEHOLD NOT FOUND	7

FIST AND LAST NAME OF THE HOUSEHOLD HEAD .....

ADDRESS.....

Day..... month..... year.....

.....

SECTION 1: HOUSEHOLD ROSTER

ID CODE	(1.01) NAME BEFORE GOING ON TO QUESTIONS 1.04-1.11, PLEASE FILL IN QUESTIONS 1.01--1.03 ON THE NAME, RELATION TO THE HEAD OF HH AND THE SEX FOR EACH HOUSEHOLD MEMBER.	(1.02) What is ..[NAME]'s.. relationship to the household head? HEAD 01 WIFE / HUSBAND 02 SON / DAUGHTER 03 FATHER / MOTHER 04 BROTHER / SISTER 05 FATHER / MOTHER IN LAW 06 SON / DAUGHTER IN LAW 07 GRAND PARENT 08 GRANDCHILD 09 OTHER RELATIVE 10 OTHER 11	(1.03) SEX MALE 1 FEMALE 2	(1.04) What is the year of birth of ..[NAME]..? YEAR OF BIRTH	(1.05) AGE *AGE IN COMPLETED YEARS* *FOR CHILDREN YOUNGER THAN ONE YEAR, WRITE THE AGE IN MONTHS.* AGE: YEARS / MTHS	ONLY FOR HOUSEHOLD MEMBERS AGED 15 AND ABOVE (1.06) Marital status NEVER MARRIED 1 ► (1.08) MARRIED: CERTIFIED 2 NOT CERTIFIED 3 SEPARATED 4 ► (1.08) DIVORCED 5 ► (1.08) WIDOWED 6 ► (1.08)	(1.07) What is ..[NAME].. spouse's ID CODE? *IF SPOUSE IS NOT A HOUSEHOLD MEMBER, CODE 98.* ID CODE	(1.08) FATHER'S ID CODE IF FATHER IS NOT A HOUSEHOLD MEMBER WRITE '99' ID CODE	(1.09) MOTHER'S ID CODE IF MOTHER IS NOT A HOUSEHOLD MEMBER WRITE '98' ID CODE	(1.10) 1. Was s/he permanently at her/his HOME/household during the past 1 month? If not, for how many days was s/he away? IFS/HE WAS AT HER/HIS HOME/HOUSEHOLD PERMANENTLY, WRITE "0". DAYS	(1.10) 2. Was s/he permanently at her/his HOME/household during the past 12 months? If not, for how many months was s/he away? *IFS/HE WAS AT HER/HIS HOME/HOUSEHOLD PERMANENTLY, WRITE "0".* MONTHS	(1.11) *USING QUESTION (1.10), PLEASE DEFINE IF S/HE IS A HOUSEHOLD MEMBER WHO IS TO BE ASKED THE FURHTER QUESTIONS.* *DO NOT INCLUDE A HOUSEHOLD HEAD OR ANY HOUSEHOLD STUDENT MEMBERS AWAY FROM HOME/HOUSEHOLD FOR MORE THAN 11 MONTHS AND ANY OTHER MEMBERS AWAY FROM HOME/HOUSEHOLD FOR MORE THAN 6 MONTHS.* YES 1 NO 2 ► NEXT PERSON
01												
02												
03												
04												
05												
06												
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08												
09												
10												
11												
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13												
14												
15												

SECTION 2. EDUCATION **PART A. PRE-SCHOOL EDUCATION**

FOR ALL MEMBERS OF HOUSEHOLD AGED 2-7

ID CODE	(2.01) CHECK IF .....[Name] IS 2-7 YEARS OLD. *LOOK FROM THE CHECK PAGE.*	(2.02) PLEASE WRITE THE ID CODE OF THE RESPONDENT.	(2.03) Does .....[Name] go to kindergarten or nursery?	(2.04) Why does not .....[Name] go to kindergarten or nursery?	(2.05) What is the ownershp of .....[Name]'s kindergarten/nursery?	(2.06) How many tugrugs did your houshold spend on .....[Name]'s pre-education in the last 12 months? IF NOTHING, WRITE ZERO. VALUE AND INCLUDE NON-CASH EXPENDITURES *ONLY INCLUDE EXPENSES BY THE HOUSHEHOLD. AFTER ASKING THE INDIVIDUAL AMOUNTS FOR EACH COLUMN, CALCULATE TOTAL. PROBE AND RECONCILE.* ***PLEASE GO TO THE NEXT PERSON AFTER THE QUESTIONS ARE DONE.***				
	YES 1 NO 2 ►NEXT PERSON	*PLEASE LOOK FROM THE CHECK PAGE.* RESPONDENT'S ID CODE	YES 1 ► (2.05) NO 2	GOES TO SCHOOL 1 LACK OF BUDGET 2 NO SPACE THERE 3 KINDERGARTEN/NURSERY IS TOO FAR 4 KINDERGARTEN/NURSERY ENVIRONMENT IS 5 NO KINDERGARTEN/NURSERY 6 DUE TO MIGRATION 7 NO NEED 8 OTHER 9 ►NEXT PERSON	PUBLIC 1 PRIVATE 2 OTHER 3	1 Tuision fee paid by the household	2 Staionery and learning materials	3 Food served at kindergarten/nursery	4 Other	5 Total
						TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
01										
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										

SECTION 2: EDUCATION PART B. EDUCATION OF HOUSEHOLD MEMBERS AGED 6 AND ABOVE

FOR ALL HOUSEHOLD MEMBERS AGED 6 AND ABOVE | *FOR ALL HOUSEHOLD MEMBERS WHO DROPPED OUT OF SCHOOL OR N*

ID CODE	(2.07) CHECK IF S/HE IS AGED 6 AND ABOVE. *LOOK FROM THE CHECK PAGE.*	(2.08) IS THIS MEMBER ANSWERING HERSELF/HIMSELF?	(2.09) WRITE THE ID CODE OF THE RESPONDENT. *CHECK FROM THE CHECK PAGE.*	(2.10) What is your education level? *EDUCATION LEVEL IS DETERMINED BY THE HIGHEST EDUCATION LEVEL OBTAINED*	(2.11) Are you literate (Can you read and write)?	(2.12) Are you currently attending school? (If not, please ask if s/he has ever attended school)	(2.13) At which	(2.14) CHECK IF..[NAME]..'S AGE. IS 8 or BETWEEN 8-35 YEARS. *LOOK FROM THE CHECK PAGE.*	(2.15) Why did you / [NAME] never attend school?
		YES 1 ► (2.10)		NONE 1		YES 1 ► (2.16)			NOT INTERESTED 1
		NO 2		PRIMARY 2	YES, EASILY 1				PARENTS NOT INTERESTED 2
	YES 1			LOWER-SECONDARY 3	YES, WITH DIFFICULTY 2	NO. DROPPED OUT 2		YES 1	SUBJECTS WERE DIFFICULT 3
				HIGHER-SECONDARY 4					
				VOCATIONAL 5		NO, NEVER ATTENDED 3 ► (2.14)		NO 2	EDUCATION QUALITY WAS BAD 4
				TECHNICAL SECONDARY 6 ► (2.12)					
	NO 2 ► NEXT PERSON			DEGREE OR HIGHER EDUC. 7	NO 3			► NEXT PERSON	SCHOOL ENVIRONMENT WAS NOT GOOD 5
				BACHELOR 8		NO, COMPLETED 4 ► NEXT PERSON			LACK OF BUDGET 6
				MASTER 9					HAD TO WORK 7
				DOCTOR 10					DUE TO ILLNESS/DISABILITY 8
									HAD TO LOOK AFTER OTHERS 9
									SCHOOL TOO FAR 10
									DUE TO MIGRATION 11
									HAD NO SPACE IN DORMITARY 12
									OTHER 13

			RESPONDENT'S ID CODE				GRADE		► NEXT PERSON
01									
02									
03									
04									
05									
06									
07									
08									
09									
10									
11									
12									
13									
14									
15									

FOR ALL MEMBERS CURRENTLY ATTENDING SCHOOL AND ANSWERED "YES" TO QUESTION 2.12

ID CODE	(2.16) Which school are you attending and what grade are you in now??		(2.17) What is the ownership of your /.[[NAME]..'s school?	(2.18) Where is your /..[NAME]..'s school located?	(2.19) Where do you / does ..[NAME]..live while attending school?	(2.20) How many kilometers (one way) is it to your /..[NAME]'s school from where you live /..[NAME].. lives during the school term?	(2.21) How long does it take you/..[NAME]. . to travel one way from where you/[NAME] live(s) during the school term to this school?	(2.22) Do you/Does … [NAME]... pay any tuition? *CLARIFY IF THE*	(2.23) Did you / [NAME] receive any loan for tuition last year /during the past 12 months/?	(2.24) From whom did you/[NAME] receive loan?	(2.25) How many tugrugs of loan for tuition did you receive during the past 12 months?
	TYPE	**GRADE**		CAPITAL CITY 1				YES 1	YES 1	GOVERNMENT/STAT 1 COMPANY, BANK 2	
	GENERAL EDUCATIO 1	1 TO 12	PUBLIC 1	AIMAG CENTEF 2	HOME 1			NO 2	NO 2 ► (2.26)	NGO 3	
	VOCATIONAL SCHOC 2	1 TO 3	PRIVATE 2	SOUM CENTER 3				► (2.26)		PARENTS, RELATIVE 4	
	COLLEGE, UNIVERSITY 3	1 TO 6	OTHER 3	ABROAD 4	ACCOMMODATION WHERE CHILDREN LIVE WHILE ATTENDING SCHOOL 2					OTHER INDIVIDUALS 5	
	OTHER RELIGIOUS NON-FORMAL 4	0			DORMITORY 3 RELATIVES 4 OTHER 5	WRITE '99' IF DON'T KNOW	WRITE '99' IF DON'T KNOW		*STATE EDUCATION FUND LOAN SHALL BE INCLUDED*	FOREIGN & INTERNATIONAL ORGANIZATION, AND FOREIGNER 6 OTHER 7	

	SCHOOL	GRADE				KM	MINUTES				TUGRUGS
01											
02											
03											
04											
05											
06											
07											
08											
09											
10											
11											
12											
13											
14											
15											

SECTION 2: EDUCATION PART B. EDUCATION OF HOUSEHOLD MEMBERS AGED 6 AND ABOVE

FOR ALL MEMBERS CURRENTLY ATTENDING SCHOOL

(2.26)

How much did your household spend on your education in the last 12 months ?

IF NOTHING, WRITE ZERO.

ONLY INCLUDE EXPENDITURES BY THE HOUSHEHOLD. AFTER ASKING THE INDIVIDUAL AMOUNTS FOR EACH COLUMN, CALCULATE TOTAL. PROBE AND RECONCILE.

PLEASE GO TO THE NEXT PERSON AFTER THE QUESTIONS ARE DONE.

ID CODE	1 Room rent and dormitory	2 Tuition paid by the houshold	3 Books and stationery	4 Uniform	5 Transport	6 Others	7 Total
	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
01							
02							
03							
04							
05							
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11							
12							
13							
14							
15							

SECTION 3: HEALTH

ID CODE	(3.01) IS THIS PERSON PRESENT AND ANSWERING FOR HIMSELF/HERSELF/?	(3.02) COPY THE ID CODE OF RESPONDENT FROM THE ROSTER	(3.03) Are you/ is [NAME] covered by health insurance?	(3.04) Why aren't you / isn't [NAME] covered by health insurance?	(3.05) Have you / has [NAME] got any disabilities?	(3.06) Which disability?	(3.07) Did you / [NAME] have any health complaints in the past month?	(3.08) What health complaints did you / [NAME] have?		(3.09) How long did you miss your work, school or daily activities due to the illness in the last one month?
	YES 1 ► (3.03) / NO 2	ID code	YES 1 ► (3.05) / NO 2	NO JOB 1; CANNOT AFFORD IT 2; WORKING IN A PRIVATE COMPANY 3; WORKING IN A FOREIGN COMPANY/ORGANIZATIONS 4; SELF-EMPLOYED 5; DUE TO NOT BEING SICK 6; OTHER 7	YES 1 / NO 2 ► (3.07)	SIGHT 1; SPEAKING 2; HEARING 3; PHYSICAL 4; MENTAL 5; OTHER 6	YES 1 / NO 2 ► (3.15)	RESPIRATORY SYSTEM 1; DIGESTIVE SYSTEM 2; URINARY AND SEXUAL ORGAN 3; BLOOD CIRCULATION SYSTEM 4; DAMAGE OR INTOXICATION BY EXTERNAL IMPACT 5; OTHER 6	FIRST / SECOND	DAYS
01										
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										

SECTION 3: HEALTH

FOR ALL HOUSEHOLD MEMBERS

ID CODE	(3.10) Did you seek treatment at a health facility or health provider for your health problems? *ONLY OUT PATIENT CARE AT PUBLIC AND PRIVATE HEALTH FACILITY OR HEALTH* YES 1 ► (3.12) NO 2	(3.11) Why did you not get any treatment at a health facility or health provider for your health problems? NOT SERIOUS ENOUGH 01; HEALTH FACILITY TOO FAR 02; NO TRANSPORTATION 03; HEALTH CARE TOO EXPENSIVE 04; TRANSPORT TOO EXPENSIVE 05; HEALTH WORKERS NOT FRIENDLY 06; HEALTH WORKERS NOT PRESENT 07; HEALTH CARE NOT GOOD QUALITY 08; NO MONEY 09; TREATED MYSELF 10; DID`T KNOW FROM WHERE TO GET TREATMENT 11; TRADITIONAL HEALER, CHIROPRACTIC 12 — FOR ALL ALTERNATIVES, SKIP TO (3.15)	(3.12) Which level hospital did you seek treatment from? CENTRAL HOSPITAL/CLINIC 1; AIMAG/DISTRICT CLINIC 2; SOUM, INTER-SOUM, AND FAMILY CLINIC 3; PRIVATE 4; ABROAD 5; OTHER 6	(3.13) Under whose supervision did you get treatment (the very last time)? PROFESIONAL DOCTOR 1; FAMILY DOCTOR 2; NURSE 3; CHIROPRACTIC 4; TRADITIONAL HEALER 5; OTHER 6	(3.14) OUTPATIENT EXPENSES 1.- How much did you pay, either in money or in kind, for all costs associated with the outpatient visits to a facility or health practitioner during the past one month? /buying medicines prescribed, medical test, etc./ TUGRUG	2.- How much did you pay, either in money or in kind, for transportation other costs /accomodation, food, costs of anyone who accompanied you, and gifts for health care workers and practitioners,etc./ during the past one month? TUGRUG	(3.15) During the past one month, did you purchase and use on your own, without a prescription, any medicines and immune boosting vitamins? *MEDICINE USED IN HOSPITAL WILL BE FILLED IN QUESTIONS (3.21) AND (3.26)* YES 1 NO 2 ► (3.17)	(3.16) How much did you pay for all medicines and vitamins purchased on your own without a prescription in the past one month? TUGRUG
01							
02							
03							
04							
05							
06							
07							
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12							
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15							

SECTION 3: HEALTH

ID CODE	(3.17) During the past 12 months, did you stay at a hospital or clinic overnight? *INCLUDE HEALTH RESORT.* YES 1 / NO 2 ► (3.23)	TREATMENT PROVIDED BY HEALTH FACILITIES IN MONGOLA					INFECTIOUS DISEASES-DURING THE PAST 12 MONTHS		
		(3.18) At which level hospital did you stay get treatment? CENTRAL CLINIC/SPECIALIZED HOSPITAL 1; AIMAG/DISTRICT CLINIC 2; SOUM AND INTER-SOUM CLINIC 3; PRIVATE 4; ABROAD 5; OTHER 6	(3.19) Under whose supervision did you get treatment (the very last time)? PROFESSINAL DOCTOR 1; CHIROPRACTIC 2; TRADITIONAL HEALER 3; OTHER 4	(3.20) How many nights did you spend in hospital? IF, DURING THE PAST 12 MONTHS, YOU STAYED IN HOSPITAL MORE THAN ONCE, SUM UP THE TOTAL NUMBER OF DAYS. NIGHTS	(3.21) How much did you pay for all costs associated with hospipal stays, in cash or in kind, for the past 12 months? *INCLUDE THE COST FOR MEDICINE PRESCRIBED AND PURCHASED BY HOUSEHOLD MEMBERS* *WRITE ZERO IF NOTHING* TUGRUGS	(3.22) How much did you pay, either in money or in kind, for transportation and other costs /accomodation, food, costs of anyone who accompanied you, and gifts for health care workers and practitioners,etc./ during the past 12 months? *WRITE ZERO IF NOTHING* TUGRUGS	(3.23) Did you suffer from respiratory disease during the past 12 months? YES 1 / NO 2	(3.24) Did you suffer from from hepatitis? YES 1 / NO 2	(3.25) Did you suffer from from any other infectious disease? YES 1 / NO 2
01									
02									
03									
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05									
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08									
09									
10									
11									
12									
13									
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15									

SECTION 4: REPRODUCTIVE HEALTH

FOR WOMEN 15 - 49 YEARS OLD

ID CODE	(4.01) CHECK IF THE WOMAN IS 15-49 YEARS OLD.	(4.02) IS THIS WOMAN ANSWERING FOR HERSELF? *TRY TO INTERVIEW EACH WOMAN INDIVIDUALLY.*	(4.03) Have you ever had sexual relationship?	(4.04) Have you had any abortion in your life?	(4.05) What was the main reason for your last abortion?	(4.06) Are you (your partner) presently using a method of contraception?	(4.07) Which method presently do you use for contraception?
	YES 1	YES 1	YES 1	YES 1	DUE TO HEALTH 1		PILL/DRUGS 01
					DUE T O FAMILY CIRCUMTANCE/LACK OF MONEY 2		IUD 02
							PATCH 03
							INJECTION 04
	N0 2 ► **NEXT PERSON**	NO 2 ► **NEXT WOMAN**	NO 2 ► **NEXT WOMAN**	NO 2 ► **(4.06)**			DIAPHRAGM 05
				DON`T KNOW 3 ► **(4.06)**	HUSBAND AND/OR PARENTS (3		CONDOM 06
						YES 1	FEMALE STERLIZATION 07
					HAD A YOUNG CHILD 4	NO 2 ► NEXT WOMAN	MALE STERLIZATION 08
							CALENDAR 09
					WAS/WERE STUDYING 5		WITHDRAWAL 10
					DIDN`T WANT CHILD 6		OTHER 11
					NOT MARRIED 7		
					OTHER 8		
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							

SECTION 5: MIGRATION FOR ALL HOUSEHOLD MEMBERS 15 YEARS AND MORE PART A. DOMESTIC MIGRATION

ID CODE	(5.01) **Check if s/he is 15 years old and above.** YES 1 NO 2 ► NEXT PERSON	(5.02) Where you born in this soum/district? YES 1 NO 2 ► (5.04)	(5.03) Have you ever migrated? YES 1 NO 2 ► NEXT PERSON	(5.04) Where did you live immediatally before moving here? CAPITAL CITY 1 AIMAG CENTER 2 SOUM CENTER 3 RURAL AREA 4 ABROAD 5 OTHER 6	(5.05) What was the main reason you chose to migrate here? WORK, MISSION 1 JOB SEARCH 2 MARRIAGE 3 HEALTH OF FAMILY 4 EDUCATION 5 LIVE NEAR TO MARKET 6 LIVE NEAR TO RELATIVES 7 BE OCCUPIED WITH HERDING 8 OTHER 9	(5.06) In what year did you move here (move back here)? YEAR	(5.07) Did you live here in 2008? YES 1 NO 2
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							

ID CODE	(5.08) Name household members who have resided abroad for more than 6 months. MEMBERS WHO CHOSE "NO-2" IN THE QUESTION 1.11 WILL BE INCLUDED. YES 1 NO 2 ► NEXT PERSON	(5.09) In which country is this member living?			(5.10) For what purpose has this household member gone there TO STUDY 1 TO WORK UNDER A LABOUR CONTRACT 2 TO WORK PRIVATELY 3 TO WORK ON MISSION 4 TO RECEIVE MEDICAL TREATMENT 5 TO ACCOMPANY HER/HIS PARENTS AND/OR C 6 OTHER 7	(5.11) For how long has s/he lived abroad?	(5.12) Has your household ever made any cash and non-cash transfers to this member? YES 1 NO 2 ► NEXT PERSON	(5.13) How many tugrugs did your household transfer to this member in the last one month? INCLUDE NON-CASH TRANSFERS	(5.14) How many tugrugs did your household transfer to this member in the last 12 months? INCLUDE NON-CASH TRANSFERS
		NAME	CODE			YEARS		TUGRUGS	TUGRUGS
01									
02									
03									
04									
05									
06									
07									
08									
09									
10									
11									
12									
13									
14									
15									

SECTION 6. EMPLOYMENT

FOR ALL HOUSEHOLD MEMBERS AGED 10 AND ABOVE

ID CODE	(6.01) CHECK IF S/HE IS AGED 10 AND ABOVE. *PLEASE LOOK FROM THE CHECK PAGE.*	(6.02) IS THIS HOUSEHOLD MEMBER ANSWERING HERSELF/HIMSELF?	(6.03) ID CODE OF THE RESPONDENT *PLEASE LOOK FROM THE CHECK PAGE.*	(6.04) Did you work in the last 7 days?	(6.05) What was the type of the job??	(6.06) Although you did not work in the last week, did you work in the last 12 months?	(6.07) What was the main reason that you did not work in the last week?	(6.08) Did you search a job in the last week?	(6.09) What method did you use to search a job? (NAME THE MAIN METHOD)	(6.10) What is the reason that you did not search a job in the last week?	(6.11) Are you registered at the labour and social welfare office?
	YES 1 NO 2 ► NEXT PERSON	YES 1 ► (6.04) NO 2	ID CODE	YES 1 NO 2 ► (6.06)	PAID JOB 1 UNPAID 2 **SELF-EMPLOYED:** ANIMAL HUSBANDRY/LIVESTOCK RAISING 3 FARMING/CROP FARMING 4 OTHER 5 ► **(6.12)**	YES 1 NO 2 ► (6.08)	SICK 1 PREGNANT 2 LOOK AFTER OTHERS 3 ON VACATION 4 TEMPORARY 5 I HAVE A SEASONAL JOB 6 COULD NOT FIND A JOB 7 OTHER 8 ► **(6.12)**	YES 1 NO 2 ► **(6.10)**	TURNED TO THE LABOUR AND SOCIAL WELFARE OFFICE 1 ASKED HELP FROM FRIENDS AND RELATIVES 2 SEARCHED IN MEDIA ADVERSISEMENTS 3 POSTED ADVERTISEMENTS IN A NEWSPAPER 4 SUBMITTED APPLICATION FORMS TO JOB-PROVIDERS 5 OTHER 6 ► **(6.11)**	I AM A STUDENT/PUPIL 1 ► NEXT PERSON I AM AGED. 2 ► NEXT PERSON HAVE HOUSEWORK, LOOK AFTER A CHILD 3 WAITING FOR A JOB 4 HAVE A SEASONAL JOB 5 LOOK AFTER A SICK PERSON 6 DISABLED 7 OTHER 8	YES 1 NO 2 ► **NEXT PERSON**
01											
02											
03											
04											
05											
06											
07											
08											
09											
10											
11											
12											
13											
14											
15											

SECTION 6. EMPLOYMENT

FOR ALL HOUSEHOLD MEMBERS AGED 10 AND ABOVE

(6.12) What job did you have? IF THE HOUSEHODL MEMBER HAD MORE THAN ONE JOBS, REGISTER THE ONE MOST IMPORTANT MAIN JOB. FOR THE HOUSEHOLD MEMBER WHO DID NOT WORK IN THE LAST WEEK, REGISTER THE MAIN JOB S/HE HAD IN THE LAST 12 MONTHS.		(6.13) In which sector did you work? FIND AND WRITE THE CODE FOR THE JOB SECTOR FROM THE CATEGORIZATION OF THE ECONOMIC SECTOR.		(6.14) How many hours a week did you work on average on this job?	(6.15) What is the ownership type of the organization you worked for?
					PARTNERSHIP 1
					COOPERATIVE 2
					CORPORATION 3
					LIMITED LIABILITY COMPANY 4
					STATE-OWNED FACTORY 5
					LOCALLY OWNED FACTORY 6
					STATE-BUDGET FUNDED ORGANIZA` 7
					NON-GOVERNMENT ORGANIZATION 8
					OTHER 9
DETAILED DESCRIPTION OF THE JOB	CATEGORY CODE OF THE JOB	WRITE THE NAME OF THE SECTOR	CODE FOR THE ECONOMIC SECTOR	HOURS	

SECTION 6. EMPLOYMENT

FOR ALL HOUSEHOLD MEMBERS AGED 10 AND ABOVE

SECTION 6. EMPLOYMENT

FOR ALL HOUSEHOLD MEMBERS AGED 10 AND ABOVE

(6.12) What job did you have? IF THE HOUSEHODL MEMBER HAD MORE THAN ONE JOBS, REGISTER THE ONE MOST IMPORTANT MAIN JOB. FOR THE HOUSEHOLD MEMBER WHO DID NOT WORK IN THE LAST WEEK, REGISTER THE MAIN JOB S/HE HAD IN THE LAST 12 MONTHS.		(6.16) Did you receive any cash and non-cash salary from working in the last 12 months? WRITE "2" IF SELF-EMPLOYED. YES 1 NO 2	(6.17) How much salary did you receive in total? COUNT THE NET SALARY AFTER TAX, SOCIAL INSURANCE AND HEALTH INSURANCE FEES. NON-CASH ITEMS RECEIVED WILL BE VALUED AT THE MARKET RATE OF THAT TIME AND ADDED TO THE CASH SALARY.			(6.18) Did you have any temporary or other job at the same time as this job in the last 12 months? YES 1 NO 2	(6.19) How much salary in total did you receive from all those temporary and other jobs you had? ASK THE TOTAL AMOUNT OF SALARY RECEIVED FROM THE TEMPORARY AND THE OTHER JOB. NON-CASH ITEMS RECEIVED WILL BE VALUED AT THE MARKET RATE OF THAT TIME AND ADDED TO THE CASH SALARY.		
			Salary amount		Bonuses, benefits and compensations received in the last 12 months		Salary amount		Bonuses, benefits and compensations received in the last 12 months
DETAILED DESCRIPTION OF THE JOB	CATEGORY CODE OF THE JOB		In the last one month	In the last 12 months		► NEXT PERSON	In the last one month	In the last 12 months	
			TUGRUG	TUGRUG	TUGRUG		TUGRUG	TUGRUG	TUGRUG

(7.01) Did your family have herding/anilmal farming in the last 12 months? /(Does your household have any livestock and pet? (INCLUDE POULTRY AND OTHER ANIMAL FARMING)/

CHECK IF QUESTION (6.05) IS ANSWERED AS "3". INCLUDE HOUSEHOLDS WHICH ANSWERED 'NO ANIMAL HUSBANDRY/LIVESTOCK RAISING' IN THE SECTION 6, BUT HAVE THEIR OWN LIVESTOCKS.

YES	1		
NO	2	►	PART B

ROW NUMBER	Name of animals	7.02 How many ..[ANIMAL].. does the household own now? *WRITE "0" IF NONE AND SKIP TO NEXT LIVESTOCK*			In the last 12 months, how many ..[ANIMALS].. did the household… *WRITE "0" IF NOTHING*		
			Of which…		7.03 use for own food	7.04 sell *INCLUDE LIVESTOCK SOLD ALIVE AND SLAUGHTERED*	7.05 Total value/price of the animals sold
		TOTAL	Female animal used for breeding	Newborn young animals	NUMBER	NUMBER	TUGRUGS
1	Cattle						
2	Horses						
3	Camels						
4	Sheep						
5	Goats						
6	Other (chicken, poultry, swine, bee)		xxx	xxx			
99	TOTAL						

ROW NUMBER	Expenditure item	7.06 Expenditures on herding activities in the last 12 months *WRITE "0" IF NOTHING*
		TUGRUGS
01	Animal feed/Fodder	
02	Animal drug and injection cos	
03	Gasoline/Petrol	
04	Tax, insurance	
05	Salary, wage	
06	Fence, equipment	
07	Other (Repair, Steam, water, electricity, heating, Rent, etc.)	
99	TOTAL	

(7.07) Did your household produce any wool, hair, cashmere, skins, hides, and milk products in the last 12 months?

YES 1

NO 2 ► PART B

As of the last 12 months

ROW NUMBER	PRODUCT		(7.08) Number of livestocks used for producing products IF NOTHING, WRITE "0" ► NEXT LIVESTOCK	(7.09) Total product	Of which…				
					(7.10)	SOLD		PROCESSED AND SOLD	
					Consumed by household	(7.11) Total amount	(7.12) Total price	(7.13) Total amount	(7.14) Total price
						WRITE "0" IF NOTHING			
			NUMBER	QUANTITY	QUANTITY	QUANTITY	TUGRUGS	QUANTITY	TUGRUGS
WOOL, HAIR, CASHMERE, KG.									
01	Sheep wool	Kg							
02	Camel wool	Kg							
03	Goat cashmere	Kg							
04	Horse, Cattle's hair	Kg							
SKINS AND HIDES, PIECES									
05	Sheep	Pieces	XXXXXXXX						
06	Goat	Pieces	XXXXXXXX						
07	Cattle	Pieces	XXXXXXXX						
08	Horse	Pieces	XXXXXXXX						
09	Camel	Pieces	XXXXXXXX						
MILK, LITERS'									
10	Sheep-Ewe	Liters							
11	Goat milk	Liters							
12	Cow milk	Liters							
13	Mare milk, airag	Liters							
14	Camel milk	Liters							
OTHER PRODUCTS									
15	Eggs	Number	XXXXXXXX						
16	Honey	Kg	XXXXXXXX						
17	Other	N/A	XXXXXXXX						

* -Include the milk quantity used for diary products

SECTION 7: AGRICULTURAL PRODUCTION AND CONSUMPTION

B. FARMING/CROP FARMING

(7.15) Did you and any member of your household have any land for farming in the past 12 months?
INCLUDE LAND WHICH WAS NOT OWNED BY YOU AND YOUR HOUSEHOLD MEMBER, BUT USED FOR FARMING.
INCLUDE LAND WHERE HAY AND FEED/FODDER WERE GROWN.

YES	1	
NO	2	► SECTION 8

(7.16) What is the size of the land that you and your household member use for farming M^2 ____

(7.17) Did your household grow any grain, vegetable, and fruit in the last 12 months?
Did you harvest any feed/fodder, and hay?

CHECK IF THE ANSWER TO QUESTION (6.05) WAS "4". BUT, IF THE ANSWER WAS NOT "4" IN THE QUESTION (6.05), BUT GRAIN, VEGETABLE AND FRUIT WERE GROWN PRIVATELY, INCLUDE IT HERE.

YES	1	
NO	2	► SECTION 8

(7.18) The total size of the land where your household grew crops in the last 12 months M^2 ____

FARMING PRODUCTION

ROW NUMBER	NAME OF THE CROP	(7.19) Did you harvest ..[CROP].. during the past 12 months? YES 1 / NO 2 ► ASK ABOUT NEXT CROP	(7.20) Total amount of..[CROP].. harvested in the last 12 months	Of which: (7.21) Quantity consumed by your household	(7.22) Quantity used for animal feed/fodder	(7.23) Sold *INCLUDE THE PROCESSED* QUANTITY	(7.23) Sold *INCLUDE THE PROCESSED* TOTAL PRICE
			KILOGRAMS	KILOGRAMS	KILOGRAMS	KILOGRAMS	TUGRUGS
01	Potato						
02	Carrot						
03	Turnip						
04	Cabbage						
05	Beet						
06	Onion						
07	Garlic						
08	Tomato						
09	Cucumber						
10	Fruit						
11	Wheat						
12	Hay			xxxx			
13	Other (Barley, oat, rye, etc.)						
99	TOTAL	xxxxx					

EXPENDITURES		
ROW NUMBER	EXPENDITURE ITEM	(7.24) Expenditure in the past 12 months? WRITE "0" IF NOTHING
		TUGRUGS
01	Seed	
02	Fertilizer	
03	Extermination of vermin	
04	Salary, wage	
05	Equipment	
06	Spare parts	
07	Repair, service	
08	Raw material	
09	Gasoline/Petrol	
10	Tax, insurance, fee	
11	Transportation	
12	Rent	
13	Other (Steam, water, electricity, heating, Post and communication, etc.)	
99	TOTAL	

SECTION 8. NON-AGRICULTURAL PRODUCTION, TRADE, AND SERVICE

(8.01) DID YOU RUN ANY NON-AGRICULTURAL PRODUCTION, TRADE, AND SERVICE IN THE LAST 12 MONTHS?

CHECK IF THE ANSWER TO THE QUESTION (6.05) WAS "5".

YES 1 ☐

NO 2 ► SECTION 9

(8.02) HOW MANY TYPES OF PRODUCTION, TRADE, AND SERVICE DID YOU RUN? ☐

		PRODUCTION, TRADE, AND SERVICE ' 1	PRODUCTION, TRADE, AND SERVICE ' 2	PRODUCTION, TRADE, AND SERVICE ' 3
(8.03)	NAME THE PRODUCTION, TRADE, AND SERVICE?			
	WRITE THE CATEGORY CODE FOR THE ECONOMIC ACTIVITIES	CODE:	CODE:	CODE:
(8.04)	How many percent of share of this production, trade, and service do your household members own?	%	%	%
(8.05)	How many members of your household work here?	Number	Number	Number
(8.06)	How many people, besides your household members, did you let work here in the last month? IF NONE, WRITE "0".	Number	Number	Number
(8.07)	How much was the expense in the last 12 months?	TUGRUGS	TUGRUGS	TUGRUGS
	01 Salary to employees			
	02 Goods for resale			
	03 Raw materials			
	04 Gasoline, fuel			
	05 Steam, water, electricity, power, heating			
	06 Equipment			
	07 Apartment/house rent			
	08 Spare parts			
	09 Repair and maintenance			
	10 Tax, fee, patent, license, insurance			
	11 Other expense (Transportation cost, Post, communication, internet, Loan interest)			
	99 **TOTAL EXPENSE**			
(8.08)	For how many months during the last 12 months did you run this production, trade and service?	Number of months	Number of months	Number of months
(8.09)	(a) What is the average amount of sale during a month with.....? (á) How many of the last 12 months had.....?	(a) Tugrugs/month / (á) Month	(a) Tugrugs/month / (á) Month	(a) Tugrugs/month / (á) Month
	1 average sales			
	2 low sales			
	3 high sales			

SECTION 9: OTHER INCOME

PART A. SOCIAL INSURANCE, SOCIAL WELFARE, PENSION, AND BENEFITS, AND INCOME FROM OTHER SOURCES

SOURCE NUMBER	(9.01) Did any of the household members receive income from ...[SOURCE]... during the last 12 months? YES 1 / NO 2 / ► NEXT SOURCE	Who of the household members got income from ...[SOURCE]... and what was the total he/she received?									
		(9.02) PERSON # 1		(9.03) PERSON # 2		(9.04) PERSON # 3		(9.05) PERSON # 4		(9.06) PERSON # 5	
		ID CODE	TUGRUGS	ID CODE	TUGRUGS	ID CODE	TUGRUGS	ID CODE	TUGRUGS	ID CODE	TUGRUGS
SOCIAL INSURANCE, SOCIAL WELFARE, PENSION, AND BENEFITS											
01	State pension										
02	Compensation										
03	Unemployment benefit										
04	Maternity benefits										
05	Disability pension										
06	Survivor's benefit for children										
07	Temporary incapacity benefits										
08	Funeral payments										
09	Share from the human development fund (monthly) — in cash										
10	Share from the human development fund (monthly) — via transfer to an account										
11	Share from the human development fund (for education, health insurance fee, purchase of accommodation, health service fee, and for elders and the disabled)										
12	Allowance to mothers who gave birth to and raised many children										
13	Student scholarships and allowances										
14	Other pensions and benefits (assistance to honored elders, etc.)										
OTHER SOURCES											
15	Rent of own assets (buildings, vehicles, equipment, land)										
16	Sale of assets										
17	Inheritances and wedding presents										
18	Loan repayments from others										
19	Withdrawals from bank savings										
20	Incomes from other sources										
	INTERESTS AND RETURNS										
21	Savings interest										
22	Stock dividend										
23	Loan interest										
24	Bond return										
25	Gambling, contests, and lottery										
26	Other income (from intellectual property & other)										

SECTION 9: OTHER INCOME

PART B. GIFTS, AID, AND DONATION RECEIVED FROM OTHERS

(9.07) In the last 12 months, did any member of the household receive, in cash or in-kind, gifts, aid, and donations from individuals, relatives, friends, government or an aid organization?
INCLUDE SOCIAL WELFARE ALLOWANCES, BENEFITS AND SERVICE. INCLUDE GIFTS AND AID FOR EDUCATIONAL PURPOSES /TUTION FEE AND OTHER COSTS/.
DO NOT INCLUDE AID IN CASH OR IN-KIND THAT WILL BE REPAID.

YES	1	
NO	2	► SECTION 10

LINE NUMBER	(9.08) PLEASE WRITE DOWN THE ID CODE OF ANY HH MEMBER WHO RECEIVED GIFTS, AID, AND DONATIONS. WRITE DOWN EACH CASE OF RECEIVAL OF AID AND DONATION SEPARATELY.	(9.09) Who and which organization gave the gift, aid and donation?	(9.10) On what did you spend the girt, aid, and donation?	(9.11) From where were the gift, aid and donatio	(9.12) From which country were the gift and aid received?				(9.13) Approximately how many tugrugs did you receive during the past 12 months? VALUE *AND INCLUDE THE IN-KIND ONES.*	(9.14) Are these gift, aid and donation received regularly?	(9.15) Through which means are the gift, aid and donation received?
				DOMESTIC:							
			HOUSHOLD CONSUPTION 1	CAPITAL CITY 1							
		GOVERNMENT/TREASURY FUND FOR EDUCATION 1	PAYMENT FOR EDUCATION AND TUITION FEE 2	AIMAG CENTER 2 ► (9.13)							
		COMPANIES AND ORGANIZATIONS 2	MEDICAL TREATMENT 3	SOUM CENTER 3							
		NGOs 3	HOUSING 4	COUNTRYSIDE 4						YES	In cash 1
		PARENTS, CHILDREN, RELATIVES 4	CELEBRATION 5	ABROAD 5						Weekly 1	Via a bank account 2
		OTHER INDIVIDUALS (FRIENDS, NEIGHBORS) 5	FUNERAL 6							Monthly 2	via money transfer 3
		FOREIGN & INTERNATIONAL ORGANIZATIONS, AND FOREIGHN INDIVIDUALS 6	HOUSEHOLD BUSINESS 7							Quarterly 3	In-kind 4
			OTHER 8							Annually 4	Other 5
		OTHER 7								NO 5	
	ID CODE				NAME	CODE			TUGRUG		
01											
02											
03											
04											
05											
06											
07											
08											
09											
10											

SECTION 12. SAVINGS AND LOAN

(10.01) Do you or does any member of your household have savings?

YES	1	
NO	2	► (10.03)

(10.02) How much did you deposit in your savings during the last 12 months? TUGRUG

(10.03) Did your household or any member of your household receive or repay any loan during the last 12 months?

YES	1	
NO	2	► SECTION 11

(10.04) *How many loans did your household or any member of your household repay during the last 12 months?*

DO NOT INCLUDE LOANS RECEIVED FOR EDUCATIONAL PURPOSES.

		LOAN №1	LOAN №2	LOAN №3
(10.05)	*Please indicate the loan type.* *IF THE SAME TYPE OF LOAN IS MORE THAN ONE, COMBINE THEM.* SALARY LOAN 1; PENSION LOAN 2; HOUSING LOAN 3; HOUSEHOLD CONSUMPTION LOAN 4; HERDERS' LOAN 5; BUSINESS LOAN 6; LEASING 7; AUTOMOBILE LOAN 8; OTHER 9			
(10.06)	Was/were this/these loan(s) received in the last 12 months? YES 1; NO 2 ► (10.08)			
(10.07)	If it was in the last 12 months, how many tugrugs of loan? *IF THE SAME TYPE OF LOAN IS MORE THAN ONE, COMBINE THEM.*			
(10.08)	Is it possible for your household to repay the loan in time? YES 1; NO 2; DO NOT KNOW 3			
(10.09)	From where did your houshold and members of your household receive this/these loans(` BANK 1; NON BANK FINANCIAL INSTITUTION 2; SAVINGS AND CREDIT COOPERATIVES 3; EMPLOYER, OR ORGANIZATION 4; INDIVIDUAL 5; PAWN-SHOP 6; OTHER 7			
(10.10)	On what did you spend this/these loan(s)? UP TO 3 CHOICES CAN BE SELECTED. HOUSHOLD CONSUMPTION 1; PURCHASE OF A CAR 2; RUNNING A PRIVATE BUSINESS 3; PURCHASE OF LAND 4; PURCHASE OF DURABLE GOODS 5; BUILDING AND BUYING AN ACCOMMODATION 6; SENDING HOUSEHOLD MEMBERS ABROAD 7; OTHER 8	a. b. c.	a. b. c.	a. b. c.
(10.11)	How many tugrugs did your houshehold repay for this loan **in the last 1 month**?			
(10.12)	How many tugrugs did your houshehold repay for this loan **in the last 12 months**?			

SECTION 11. HOUSING AND ENERGY

Ask about the dwelling where the household is living in now

(11.01) How many dwellings does your household own?
INCLUDE HOMES SET UP FOR CHILDREN TO ATTEND SCHOOL, AND SUMMER HOUSES. ☐

(11.02) Is this dwelling in which you are currenly living your main dwelling? YES 1 NO 2 ☐

(11.03) Type of this dwelling ☐

GER	1 ►	(11.11)
APARTMENT	2	
DETACHED HOUSE	3	
SEPARATE APARTMENT	4	
DORMITORY	5	
PUBLIC DWELLING FOR EMPLOYEES	6	
OTHER PUBLIC DWELLING	7	
NON-LIVING QUARTERS	8 ►	(11.10)
OTHER	9	

(11.04) Number of rooms in the dwelling ☐
DO NOT INCLUDE KITCHEN, HALLWAYS AND BATHROOMS

(11.05) Main material of the walls ☐

BRICKS	1	STONE	4
CEMENT	2	OTHER	5
WOOD	3		

(11.06) Main material of the roof ☐

METAL	1	TILE	3
ASPHALT ROOF SHINGLES	2	OTHER	4

(11.07) Main material of the floor ☐

WOOD	1	EARTH	3
CEMENT	2	OTHER	4

(11.08) Living area (SQUARE METERS) ☐

(11.09) Total useful area (SQUARE METERS) ☐

► (11.15)

NON LIVING QUARTERS

(11.10) What is the total area your household occupies? (SQUARE METERS) ☐

► (11.15)

GER

(11.11) Number of segments/walls in the ger NUMBER: ☐

(11.12) Covering of the ceiling ☐

SINGLE	1
DOUBLE	2

(11.13) Covering of the frame ☐

SINGLE	1
DOUBLE	2

(11.14) Main material of the floor ☐

WOOD	1
EARTH	2
OTHER	3

(11.15) How old is this dwelling?
IF DO NOT KNOW WRITE "99" YEAR ☐

(11.16) How long have you been living in this place? YEAR ☐

(11.17) Type of ownership of this dwelling ☐

STATE-OWNED ORGANIZATION	1 ►	(11.20)
PRIVATE ORGANIZATION	2 ►	(11.20)
PRIVATE	3	

(11.18) How was this dwelling acquired? ☐

RENTING	1 ►	(11.21)	PURCHASED	5	
INHERITED	2 ►	(11.20)	PRIVATIZED	6	
GIFT	3 ►	(11.20)	OTHER	7	
BUILT BY OURSELVES	4				

(11.19) Did you borrow any money to acquire this dwelling? ☐

YES	1
NO	2

☐

SECTION 13. HOUSING AND ENERGY

(11.20) If you wanted to rent this dwelling to someone else, how much would be the monthly rent?

TUGROG: ____

IF DON'T KNOW WRITE "99"

► (11.22)

(11.21) th do you pay to rent the dwelling?

(11.22) What is the main source of heating system in this dwelling unit?

CENTRALIZED	1	PRIVATE ELECTRICAL HEATER	3
PRIVATE LOW PRESSURE BOILER	2	TRADITIONAL FIRE WOOD/COAL/ DUNG STOVE	4
		OTHERS	5

(11.23) What is the main source of lighting for your dwelling ?

CENTRAL SYSTEM	1	WIND SYSTEM	4
LOCAL SYSTEM/DIESEL STATION	2	SMALL GEN-SET	5
SOLAR SYSTEM	3	CANDLE	6
		OTHER	7

(11.24) Does your dwelling have electricity source for functioning of home electronic appliances?

YES	1
NO	2

(11.25) What is the source of water supply in your dwelling?

CENTRALIZED: HOT & COLD WATER PIPE	1	TRANSPORTATION DISTRIBUTION	5
CENTRALIZED: COLD WATER PIPE ONLY	2	SPRING, RIVER	6
PROTECTED WELL	3	SNOW, ICE	7
UNPROTECTED WELL	4	OTHER	8

(11.26) How do you eject sewage?

THROUGH CENTRALIZED SYSTEM	1	IN A BOREHOLE?	3
THROUGH DECENTRALIZED SYSTEM	2	OPEN SEWAGE	4

(11.27) How do you dispose waste?

THROUGH SERVICE ORGANIZATION	1	NO SPECIAL PLACE	3
AT SPECIAL PLACE FOR WASTE	2	OTHER	4

(11.28) What type of toilet do you have?

INSIDE THE DWELLING	SEPARATE	1	OUTSIDE THE DWELLING	3
	PUBLIC	2	NO TOILET	4

(11.29) Does your household have a telephone?

YES, LAND LINE PHONE	1
YES, MOBILE PHONE	2
YES, BOTH LAND AND MOBILE PHONE	3
NO	4

(11.30) What is the distance, in km, to the nearest…..?

		KM
1	general education school	
2	medical care center	
3	pharmacy	
4	well	

(11.31) Does your household or a household member own and/or use land?

YES	1	
NO	2	► (11.33)

(11.32) How much land do you (does s/he) own and/or use?

LAND OWNED	m^2	
LAND USED	m^2	

INTERNET USAGE

(11.33) Does any household member use Internet?

YES	1	
NO	2	(11.36)

(11.34) How many members of the household use Internet? NUMBER

(11.35) Where did you (your household member) use Internet during the last 3 months?

YES	1
NO	2

1	At home	
2	At work	
3	Internet Café	
4	Public Internet access centre	
5	Other	

SECTION 11. HOUSING, ENERGY

FUEL AND ENERGY CONSUMPTION

SOURCE NUMBER	(11.36) Did you use …../SOURCE/ in the last 12 months? YES 1 / NO 2 ► NEXT SOURCE ITEM		(11.37) How do you prepare the fuel? PREPARE OURSELVES 1 / BUY 2 / PREPARE AND BUY 3 / OTHER 4	(11.38) How much ….. /SOURCE ITEM/ did you use in the last 12 months?		(11.39) How many tugrugs did your household spend on ….. /SOURCE ITEM/ in the last 1 month?	(11.40) How many tugrugs did your household spend on ….. /SOURCE ITEM/ in the last 12 months?	(11.41) What is the value/price of ….. /SOURCE ITEM/ that you received for free from others in the last 12 months?
				QUANTITY		TUGRUGS	TUGRUGS	TUGRUGS
1	ELECTRICITY		x x x x x	x	x x x			
2	FIREWOOD			cubic metre				
				bag				
3	COAL			ton				
				bag				
4	DUNG			ton				
				sack				
5	GAS FUEL			litre				
6	OTHER			xxx				

ÑÓÓÖÍÛ ÒªËÁªÐ

ÍÝÐ ÒÞÐËÉÉÍ ÁÓÃÀÀÐ	(11.42) Was any expense on …../ITEM, SERVICE/ incurred at your household during the last 12 months? YES 1 / NO 2 ►NEXT SOURCE ITEM	(11.43) How many tugrugs did your household spend on ….. /ITEM/ in the last 1 month?	(11.44) How many tugrugs did your household spend on ….. /ITEM/ in the last 12 months?	(11.45) What is the value/price of ….. /ITEM/ that you received for free from others in the last 12 months?
		TUGRUGS	TUGRUGS	TUGRUGS
01	Heating			
02	Clean water			
03	Hot water			
04	Wastewater			
05	Waste			
06	Area usage payment			
07	Other (elevator)			
08	Other payment (plumbing maintenance/repair)			
09	Drinking water, l (portable)			
10	Rent: Ger			
11	Rent: House/Apartment			
12	Payment for renovation/repair of the dwelling			
13	Other			

SECTION 14: DURABLE GOODS

DURABLE GOODS'S NUMBER	DURABLE GOODS	(12.01) Does your household has the following durable goods? *IF YES PLEASE WRITE THE NUMBER WRITE "0" IF NONE ► NEXT DURABLE GOOD*	(12.02) How long have you used this good? *TAKE AVERAGE IF MORE THAN ONE OF THIS GOODS WERE USED*	(12.03) Please value this good in Tugrugs *TAKE AVERAGE IF MORE THAN ONE OF THIS GOODS ARE*
		NUMBER	MONTHS	TUGRUGS
HOME APPLIANCES & ELECTRONIC GOODS				
01	Refrigerator			
02	Vacuum Cleaner			
03	Washing machine			
04	Sewing machine			
05	Electric or Gas Stove			
06	Electric Heater			
07	Electric Gen-set			
08	Electric Iron			
09	Oven			
10	Boiler, Rice cooker			
11	Water purifier			
12	Iron Stove/Brick stove			
13	Other			
FURNITURE				
14	Traditional Style Bed, Wooden Bed			
15	Bedroom furniture set			
16	Sofa			
17	Iron Bed			
18	Wall furniture			
19	Kitchen furniture set			
20	Wardrobe Closet			
21	Wooden Table			
22	Wooden Trunk			
23	Carpet			
24	Other			
OTHER ELECTRONIC GOODS				
25	Radio			
26	Black & White TV			
27	Color TV			
28	Magnetophone/Tape player/Tape recorder			
29	CD player, VCD player			
30	Video Camera			
31	Camera			
32	Computer			
33	Other			
HOUSEHOLD TRANSPORTATION & PRIVATE ENTERPRISE GOODS				
34	Bicycle			
35	Motorcycle			
36	Truck, Large truck			
37	Car			
38	Bus			
39	Tractor, Combine/Harvester			
40	Other			
DWELLING AND OTHER				
41	Ger*			
42	House, Dwelling*			
43	Garage			
44	Summer House			

* Please value the ger, house and dwelling in which you are residing.

SECTION 13: NON-FOOD EXPENDITURE AND CONSUMPTION

IF THE ITEM WAS PURCHASED FOR OTHERS OTHER THAN A MEMBER OF YOUR HOUSEHOLD, WRITE IN 24301.

ITEM CODE	ASK (13.01) FOR ALL ITEMS AND INDICATE IF ANY PURCHASE WAS MADE DURING THE PAST 12 MONTHS. IF THE ANSWER IS "YES-1" , ASK QUESTIONS (13.02-13.05) ONLY FOR THE ITEMS THAT WERE PURCHASED. (13.01) Did you or any member of your household buy following items for her/his own use during the past 12 months? Received from others without paying cash?	YES 1	NO 2	PURCHASED (13.02) How much did all members of your household spend on purchases of ..[ITEM].. during the past 1 month?	PURCHASED (13.03) How much did all members of your household spend on purchases of ..[ITEM].. during the past 12 months?	RECEIVED FREE FROM OTHERS (13.04) What is the value of all ..[ITEM].. that all members of your household received free from others during the past 12 months?	RECEIVED FREE FROM OTHERS (13.05) What is the value of all ..[ITEM].. that all members of your household received free from **government and non-government organizations** during the past 12 months?
	ITEMS	▼	▼	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
20100	**Men's clothing**						
20101	Leather and suede jacket, deel						
20102	Sheepskin and furry jacket, deel						
20103	Winter coat, winter jacket						
20104	Other jackets, coats, raincoats, overcoats						
20105	Suit, costume						
20106	Wool and cashmere sweater						
20107	Other shirts (made of jeans, etc.)						
20108	Mongolian traditional deel						
20109	Sportswear						
20110	Hat, scarf						
20111	Trousers						
20112	T-shirts						
20113	Undergarment (singlet, underwear, etc.)						
20114	Nightpant, nightshirt, dressing gowns						
20115	Socks						
20116	Tights						
20117	Other men's clothing						
20199	Sub total 20101 - 20117						
20200	**Women's clothing**						
20201	Leather and suede jacket, deel						
20202	Sheepskin and furry jacket, deel						
20203	Winter coat, winter jacket						
20204	Other jackets, coats, raincoats, overcoats						
20205	Suit, costume						
20206	Wool and cashmere sweater						
20207	Other shirts (made of jeans, etc.)						
20208	Mongolian raditional deel						
20209	Dress and skirts						
20210	Sportswear						
20211	Hat, scarf, neckcloth						
20212	Trousers						
20213	T-shirts						
20214	Undergarment (singlet, underwear, etc.)						
20215	Nightpant, nightshirt, nightdress, housecoat, dressing gowns						
20216	Socks						
20217	Tights						
20218	Other women's clothing						
20299	Sub total 20201 - 20218						

SECTION 13: NON-FOOD EXPENDITURE AND CONSUMPTION

IF THE ITEM WAS PURCHASED FOR OTHERS OTHER THAN A MEMBER OF YOUR HOUSEHOLD, WRITE IN 24301.

ITEM CODE	ASK (13.01) FOR ALL ITEMS AND INDICATE IF ANY PURCHASE WAS MADE DURING THE PAST 12 MONTHS. IF THE ANSWER IS "YES-1" , ASK QUESTIONS (13.02-13.05) ONLY FOR THE ITEMS THAT WERE PURCHASED. (13.01) Did you or any member of your household buy following items for her/his own use during the past 12 months? Received from others without paying cash?	YES 1	NO 2	PURCHASED (13.02) How much did all members of your household spend on purchases of ..[ITEM].. during the past 1 month?	PURCHASED (13.03) How much did all members of your household spend on purchases of ..[ITEM].. during the past 12 months?	RECEIVED FREE FROM OTHERS (13.04) What is the value of all ..[ITEM].. that all members of your household received free from others during the past 12 months?	RECEIVED FREE FROM OTHERS (13.05) What is the value of all ..[ITEM].. that all members of your household received free from **government and non-government organizations** during the past 12 months?
	ITEMS	▼	▼	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
20300	**Children's clothnig (aged 3-13)**						
20301	Leather and suede jacket, deel						
20302	Sheepskin and furry jacket, deel						
20303	Winter coat, winter jacket						
20304	Other jackets, coats, raincoats, overcoats						
20305	Suit, costume						
20306	Wool and cashmere sweater						
20307	Other shirts (made of jeans, etc.)						
20308	Mongolian raditional deel						
20309	Dress and skirts						
20310	Sportswear						
20311	Hat, scarf, neckcloth						
20312	Trousers						
20313	T-shirts						
20314	Undergarment (singlet, underwear, etc.)						
20315	Nightpant, nightshirt, nightdress, housecoat, dressing gowns						
20316	Socks						
20317	Tights						
20318	Other children's clothing						
20319	All sorts of clothing for children aged 0-2						
20320	Wrapping and other articles for infants aged 0-2						
20399	Sub total 20301 - 20320						
20400	**Other articles of clothing**						
20401	Hat, scarf, variuos gloves /work/						
20402	Belt, suspenders, tie						
20403	Handkerchief						
20404	Thread, yarn						
20405	Other (button, press-stud, zip)						
20499	Sub total 20401 - 20405						
20500	**Repair, cleaning and lease of clothing**						
20501	Dry cleaning						
20502	Laundering						
20503	Dyeing of garments						
20504	Mending, repair						
20505	Cost for renting clothing						
20599	Sub total 20501 - 20505						

SECTION 13: NON-FOOD EXPENDITURE AND CONSUMPTION IF THE ITEM WAS PURCHASED FOR OTHERS OTHER THAN A MEMBER OF YOUR HOUSEHOLD, WRITE IN 24301.

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	ITEMS	▼	▼	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
20600	**Footwear, pairs**						
20601	Winter boots						
20602	Spring or autumn shoes						
20603	Summer shoes, boots						
20604	Women's shoes						
20605	Sandals, flip-flops						
20606	Sport shoes						
20607	Mongolian traditional boots and buriad boots						
20608	Felt boots						
20609	Other footwear						
20610	Footwear for children aged 0-2						
20699	Sub total 20601 - 20610						
20700	**Shoes repair and lease**						
20701	Repair of footwear						
20702	Shoe polishing and cleaning						
20703	Cost for lease of shoes						
20799	Sub total 20701 - 20703						
20800	**Cloth**						
20801	Woolen cloth						
20802	Drill ("Daalimba")						
20803	Tsagaan yambuu						
20804	Cotton cloth						
20805	Satin, m						
20806	All kinds of silk						
20807	Synthetic						
20808	Cotton						
20809	Carded wool						
20810	Other.....						
20899	Sub total 20801 - 20810						

SECTION 13: NON-FOOD EXPENDITURE AND CONSUMPTION

IF THE ITEM WAS PURCHASED FOR OTHERS OTHER THAN A MEMBER OF YOUR HOUSEHOLD, WRITE IN 24301.

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	ITEMS	▼	▼	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
20900	**Home furniture, appliances, carpets and oilcloth**						
	Furniture, appliances						
20901	Fumished and wooden beds						
20902	Sofas, divans						
20903	Metal beds						
20904	Closets and wardrobes						
20905	Kitchen furniture-set						
20906	Bedroom furniture-set						
20907	Tables and chairs						
20908	Chest						
20909	Lamp, electric lamp						
20910	Painting and scultures						
20911	Mattress						
20912	Bath room accessories/appliances						
20913	Mirror						
20914	Crib, playpen						
20915	Other furnitures and accessories/appliances						
20916	Cost for repair and services						
	Carpets and floor covering						
20917	Carpets						
20918	Scatter/Area rug						
20919	Mat						
20920	Oilcloth for the floor						
20921	Other floor covering						
20922	Cost for repair and services						
20999	Sub total 20901 - 20922						
21000	**Domestic cotton goods, sewn and knitted items**						
21001	Curtains						
21002	Bedsheets						
21003	Bed covering						
21004	Towel						
21005	Bath towel						
21006	Tablecloth						
21007	Other sewn and knitted items, and cotton goods						
21008	Cost for repair and services						
21099	Sub total 21001 - 21008						

SECTION 13: NON-FOOD EXPENDITURE AND CONSUMPTION IF THE ITEM WAS PURCHASED FOR OTHERS OTHER THAN A MEMBER OF YOUR HOUSEHOLD, WRITE IN 24301.

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	(13.01) Did you or any member of your household buy following items for her/his own use during the past 12 months? Received from others without paying cash?	YES 1	NO 2	(13.02) How much did all members of your household spend on purchases of ..[ITEM].. during the past 1 month?	(13.03) How much did all members of your household spend on purchases of ..[ITEM].. during the past 12 months?	(13.04) What is the value of all ..[ITEM].. that all members of your household received free from others during the past 12 months?	(13.05) What is the value of all ..[ITEM].. that all members of your household received free from **government and non-government organizations** during the past 12 months?
	ITEMS	▼	▼	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
21100	**Domestic electric appliances**						
	Domestic durable electric appliances						
21101	Refrigerators						
21102	Vacuum cleaner						
21103	Washing mashine						
21104	Sewing mashine						
21105	Electric and gas stove						
21106	Electric heating						
21107	Generators						
21108	Electric fan						
21109	Electric iron						
21110	Electric ring/Electric hob						
21111	Safe						
21112	Other (air conditioner etc)						
21113	Cost for repair and services						
	Domestic minor electric appliances						
21114	Coffee pot						
21115	Rice cooker						
21116	Bread roaster						
21117	Water boiler and electric tea pot						
21118	Other (Coffee mixer etc.)						
21119	Cost for repair and services						
21199	Sub total 21101 - 21119						
21200	**Domestic glassware, utensils**						
21201	Glasses						
21202	Ceramic ware/china-ware						
21203	Vacuum flask						
21204	Knife, spoon and fork						
21205	Plastic utensils						
21206	Metal and cast iron utensils						
21207	Other utensils						
21208	Cost for repair and services						
21299	Sub total 21201 - 21208						

SECTION 13: NON-FOOD EXPENDITURE AND CONSUMPTION IF THE ITEM WAS PURCHASED FOR OTHERS OTHER THAN A MEMBER OF YOUR HOUSEHOLD, WRITE IN 24301.

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	ITEMS	▼	▼	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
21300	**Domestic tools**						
21301	Saws						
21302	Spade						
21303	Rake						
21304	Other (jack plane, drill, nipper, etc.)						
21305	Door accessories (hinge, etc.)						
21306	Small electric accessories (power outlet/socket, electric switch, cable/wire, etc.)						
21307	Flashlight/Torch						
21308	Lantern						
21309	Battery						
21310	Bell						
21311	Signal accessories						
21312	Other						
21313	Cost of repair and service						
21399	Sub total 21301 - 21313						
21400	**Domestic cleaning products and other inexpensive goods, home services**						
21401	Laundry soap						
21402	Washing powder/detergent						
21403	Match						
21404	Candle						
	Non-durable domestic goods						
21405	Shoe polish						
21406	Disinfectants						
21407	Other cleaning products						
21408	Broom/besom						
21409	Dustpan						
21410	Brush, polisher/rubstone						
21411	Clothes-hanger						
21412	Needle for sewing and weaving/knitting						
21413	Nail, screwdriver, bolt, nut						
21414	Glue, scotch tape						
21415	Other tools						
	House services:						
21416	Cost for hiring a housekeeper						
21417	Cost for disinfection and sterilization						
21418	Cleaning, laundry and painting of domestic cotton goods, sewn and knitted items, and carpets						
21419	Cost for lease of domestic goods						
21499	Sub total 21401 - 21419						

SECTION 13: NON-FOOD EXPENDITURE AND CONSUMPTION IF THE ITEM WAS PURCHASED FOR OTHERS OTHER THAN A MEMBER OF YOUR HOUSEHOLD, WRITE IN 24301.

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	ITEMS			TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
21500	**Medicine, medical equipments/devices and services**						
	Medicines and other products:						
21501	Tablets, vitamins						
21502	Injection						
21503	Other (condoms, IUD, bandage, thermometer, syringe, etc.)						
21504	Eye glasses, contact lenses						
21505	Other equipments/devices (hearing aids, artificial organs, etc.)						
	Medical services:						
21506	Outpatient's clinic examination						
21507	Dental care						
21508	Other medical services (injection, medical test, X-ray etc)						
21509	Inpatient care						
21599	Sub total 21501 - 21509						
21600	**Activities of private transportation**						
	Transport:						
21601	Car						
21602	Bus						
21603	Trucks						
21604	Motorcycle						
21605	Bicycle						
21606	Carting						
21607	Repair and services of auto vehicles						
21608	Wheels/Tires						
21609	Spare parts of auto mobile						
21610	Gasoline, diesel						
21611	Other fuel						
21612	Cost of repair and service (paid to an individual)						
21613	Technical inspection and diagnostics						
21614	Lease of garage						
21615	Other (Charge for using roads, driving license, etc.)						
21616	Cost for transportation rent						
21699	Sub total 21601 - 21616						

SECTION 13: NON-FOOD EXPENDITURE AND CONSUMPTION IF THE ITEM WAS PURCHASED FOR OTHERS OTHER THAN A MEMBER OF YOUR HOUSEHOLD, WRITE IN 24301.

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	ITEMS	▼	▼	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
21700	**Transportation services:**						
21701	Cost for bus and trolleybus						
21702	Railway passenger service: Domestic						
21703	Railway passenger service: International						
21704	Railway freight						
21705	Taxi cost: Inside the city						
21706	Road transportation service: inter-urban (microbus, taxi, etc.)						
21707	Road transport: Inside the city						
21708	Road freight : Inter-urban						
21709	Air: Domestic						
21710	Air: International						
21711	Luggage cost of air						
21712	Cost for traveling by water transport						
21713	Freight of water transport						
21714	Other transports						
21799	Sub total 21701 - 21714						
21800	**Communication**						
	Post services						
21801	Letters, parcel, post card						
21802	Stamps, envelope (new)						
	Telephone, fax mashine						
21803	Telephone, fax mashine, mobile phone						
21804	Repair cost of telephone and fax mashine						
	Telephone and Facimile						
21805	Calling: Inter-urban						
21806	Calling: International						
21807	Telephone charge (immovable)						
21808	Mobile/cell phone charge						
21809	Service charge of telegraph, telex and facimile						
21810	Lease cost of telephone and fax						
21811	Installing charge of equipments						
21812	Calling card						
21813	Charge for internet service						
21899	Sub total 21801 - 21813						

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	ITEMS	▼	▼	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
21900	**Equipment and durable goods for leisure**						
	Sound, picture, photograph, data processing equipment, piece:						
21901	Radio						
21902	Black-white TV						
21903	Color TV						
21904	TV aerial						
21905	Tape-recorder						
21906	Video player						
21907	Video camera						
21908	Binoculars						
21909	Camera						
21910	Computer						
21911	Calculator						
21912	Audio and video cassette, CD						
21913	Films						
21914	Spare parts and repair cost of above equipments						
	Durable goods for leisure						
21916	Travel tools (boat, hang-glider, etc.)						
21916	Musical instruments (guitar, etc.)						
21917	Billiard board						
21918	Repair cost of above tools						
21999	Sub total 21901 - 21918						
22000	**Other goods for leisure, domestic animals (pets)**						
22001	Playing card						
22002	Chess						
22003	Puzzle						
22004	Dolls						
22005	Toy car						
22006	Electric toys						
22007	Other toys and decoration						
22008	Collection (stamp-collection, etc.)						
22009	Cassette and CD with games						
22010	Sport tools (skiing, etc.)						
22011	Shotgun						
22012	Tent						
22013	Live and artificial flowers						
22014	Christmas tree						
22015	Pets						
22016	Food for pets						
22017	Shelter, tie and bowl of pets						
22018	Services related to the pets (care, treatment, etc.)						
22099	Sub total 22001 - 22018						

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	ITEMS	▼	▼	TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
22100	**Leisure and cultural services**						
22101	Driving lessons						
22102	Fee for sports course and class						
22103	Performance fee (movie, drama/play, concert, museum)						
22104	Service charge at game centers/gaming houses/play centers						
22105	Renting for sport tools						
22106	Charge for radio and TV set (cabel TV)						
22107	Develop and print out photo films						
22108	Lottery						
22199	Sub total 22101 - 22108						
22200	**Newspapers, books and stationery**						
22201	Newspapers and journals						
22202	Notebook						
22203	Pen, ballpoint pen						
22204	Pencil						
22205	Books and dictionary						
22206	Paper						
22207	Other printed matters (post card, calendar, etc)						
22208	Other stationery (ink, eraser, folder, etc.)						
22299	Sub total 22201 - 22208						
22300	**Recreation and travel**						
22301	Total cost for recreation and travel						
22400	**Education**						
22401	Tuition fee: pre-primary						
22402	Tuition fee: primary						
22403	Tuition fee: literacy programmes for adults						
22404	Tuition fee: secondary						
22405	Tuition fee: tertiary						
22406	Tuition fee: courses and classes						
22499	Sub total 22401 - 22406						
22500	**Hotels, dormitories and restaurants**						
22501	At public eating places (restaurants, cafes, cafeterias)						
22502	At canteens in schools, works canteens						
22503	Accommodation services of hotels						
22504	Accommodation services of holiday villages			x x x x x x x			
22505	Accommodation services of boarding schools, universities			x x x x x x x			
22599	Sub total 22501 - 22505						

SECTION 13: NON-FOOD EXPENDITURE AND CONSUMPTION

IF THE ITEM WAS PURCHASED FOR OTHERS OTHER THAN A MEMBER OF YOUR HOUSEHOLD, WRITE IN 24301.

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	ITEMS			TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
22600	**Personal care**						
22601	Toothbrush						
22602	Toothpaste						
22603	Beauty soap						
22604	Toilet paper						
22605	Sanitary napkins						
	Hair cutting and beauty:						
22606	Hairdressing						
22607	Beauty service (massage, sauna, public shower, manicure, pedicure)						
	Electric appliances for beauty:						
22608	Electric razors						
22609	Hair dryier						
22610	Other electric appliances (beaty device/equipment/apparatus/machine, hair clipper, etc.)						
22611	Repair of such appliances						
	Other appliances for beauty:						
22612	Non-electrical razors						
22613	Other sanitary products (comb, hair-roller, nailclipper, scale, etc.)						
22614	Beauty powder						
22615	Perfume						
22616	Other beauty products (llipstick, nail tools, lotion, shampoo, etc.)						
22699	Sub total 22601 - 22616						
22700	**Personal valuables and appliances**						
	Personal valuables:						
22701	Valuables						
22702	Watches						
22703	Repair for valuables						
22704	Watch repair						
	Other appliances:						
22705	Suitcase						
22706	Bag						
22707	Wallet						
22708	Baby's cart, chair						
22709	Tube, lighter, ash-tray						
22710	Sun glasses, umbrella						
22711	Appliances for funeral (coffin, stone,etc.)						
22712	Repair of above appliances						
22799	Sub total 22701 - 22712						

SECTION 13: NON-FOOD EXPENDITURE AND CONSUMPTION

IF THE ITEM WAS PURCHASED FOR OTHERS OTHER THAN A MEMBER OF YOUR HOUSEHOLD, WRITE IN 24301.

ITEM CODE	ASK (13.01) FOR ALL ITEMS AND INDICATE IF ANY PURCHASE WAS MADE DURING THE PAST 12 MONTHS. IF THE ANSWER IS "YES-1" , ASK QUESTIONS (13.02-13.05) ONLY FOR THE ITEMS THAT WERE PURCHASED. (13.01) Did you or any member of your household buy following items for her/his own use during the past 12 months? Received from others without paying cash?	YES 1	NO 2	PURCHASED (13.02) How much did all members of your household spend on purchases of ..[ITEM].. during the past 1 month?	PURCHASED (13.03) How much did all members of your household spend on purchases of ..[ITEM].. during the past 12 months?	RECEIVED FREE FROM OTHERS (13.04) What is the value of all ..[ITEM].. that all members of your household received free from others during the past 12 months?	RECEIVED FREE FROM OTHERS (13.05) What is the value of all ..[ITEM].. that all members of your household received free from **government and non-government organizations** during the past 12 months?
	ITEMS			TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
22800	**Social welfare**						
22801	Service fees for caring elders and disabled people						
22900	**Insurance**						
22901	Health insurance						
22902	Life insurance						
22903	Dwelling insurance						
22904	Transport insurance						
22905	Other insurance						
22999	Sub total 22801 - 22905						
23000	**Financial service**						
23001	Fee for financial consultation						
23002	Service fees for banks and other financial institutions						
23099	Sub total 23001 - 23002						
23100	**Other services**						
23101	Fees for administrative documents for marriage, birth, death, etc.						
23102	Cost incurred in relation to purchase and sale of property						
23103	Fees for legal services, employment agencies						
23104	Charges for leasing						
23105	Other services (advertisement, private detective, copying documents, etc.)						
23199	Sub total 23101 - 23105						
23200	**Materials for building repair**						
23201	Wall paper, package						
23202	Oil paint						
23203	Bricks						
23204	Cement,						
23205	Glass						
23206	Other material						
23299	Sub total 23201 - 23206						

SECTION 13: NON-FOOD EXPENDITURE AND CONSUMPTION

IF THE ITEM WAS PURCHASED FOR OTHERS OTHER THAN A MEMBER OF YOUR HOUSEHOLD, WRITE IN 24301.

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	ITEMS			TUGRUGS	TUGRUGS	TUGRUGS	TUGRUGS
34100	**Cost related to housing and housing durable goods**						
24101	Apartment						
34102	House						
24103	Ger (complete)						
24104	Tent frame						
24105	Tent covering						
24106	Yard						
24107	Stove						
24108	Other						
s4199	Sub total 24101 - 24108						
24200	**Tax collection**						
24201	Income tax						
24202	Cattle tax						
24203	Land tax						
24204	Other taxes						
24299	Sub total 24201 - 24204						
24300	**Cost for gifts, assistance and celebration**						
24301	Gifts, assistance, donation, and transfer to individuals						
24302	Cost for wedding						
24303	Cost for celebration of new year						
24304	Cost for celebration of tsagaan sar /white moon, lunar new year/						
24305	Cost for celebration of birthday						
24306	Cost for other celebrations						
24307	For church and temple						
24308	For institution						
24309	Other						
24399	Sub total 24301 - 24309						

ID CODE	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
CHECK PAGE NAME															
SEX															
AGE															

HOUSEHOLD SOCIO ECONOMIC SURVEY

MONGOLIA 2012

DATABASE DOCUMENTATION

Database documentation for the HSES Mongolia 2012

Introduction

The database generated for the Mongolia Household Socio Economic Survey - 2012 is composed by the following 18 files:

STATA FORMAT

01_hhold.dta

02_indiv.dta

03_livestock.dta

04_livestock_exp.dta

05_by_product.dta

06_crop.dta

07_agric_exp.dta

08_enterprise.dta

09_other_income.dta

10_remittance.dta

11_savings_loan.dta

12_energy.dta

13_payment_serv.dta

14_durable.dta

15_non_food.dta

16_urb_diary.dta

17_rur_food_7d.dta

19_foodout.dta

This document contains the description of all those 18 files, including all the variables and its categories when applicable.

Database documentation for the HSES Mongolia 2012

01_hhold

Nb.	Variable Name	Variable Label	Categories Code	Categories Label
1	identif	household_id		
2	q0008	8 Nb of hh members		
3	hh_no	HH_NO		
4	v1_dd	Visit 1 DD		
5	v1_mm	Visit 1 MM		
6	v1_yy	Visit 1 YY		
7	v1_res	Visit 1 Result		
			1	COMPLETE
			2	PARTIALLY COMPLETED
			3	NO RESPONDENT IN THE HOUSEHOLD
			4	HOUSEHOLD TEMPERARILY NOT PRESENT
			5	POSTPONED
			6	REFUSED
			7	HOUSEHOLD NOT FOUND
8	v2_dd	Visit 2 DD		
9	v2_mm	Visit 2 MM		
10	v2_yy	Visit 2 YY		
11	v2_res	Visit 2 Result		
			1	COMPLETE
			2	PARTIALLY COMPLETED
			3	NO RESPONDENT IN THE HOUSEHOLD
			4	HOUSEHOLD TEMPERARILY NOT PRESENT
			5	POSTPONED
			6	REFUSED
			7	HOUSEHOLD NOT FOUND
12	v3_dd	Visit 3 DD		
13	v3_mm	Visit 3 MM		
14	v3_yy	Visit 3 YY		
15	v3_res	Visit 3 Result		
			1	COMPLETE
			2	PARTIALLY COMPLETED
			3	NO RESPONDENT IN THE HOUSEHOLD
			4	HOUSEHOLD TEMPERARILY NOT PRESENT
			5	POSTPONED
			6	REFUSED
			7	HOUSEHOLD NOT FOUND
16	v4_dd	Visit 4 DD		
17	v4_mm	Visit 4 MM		
18	v4_yy	Visit 4 YY		
19	v4_res	Visit 4 Result		
			1	COMPLETE
			2	PARTIALLY COMPLETED
			3	NO RESPONDENT IN THE HOUSEHOLD
			4	HOUSEHOLD TEMPERARILY NOT PRESENT
			5	POSTPONED
			6	REFUSED
			7	HOUSEHOLD NOT FOUND
20	q0701	0701 Raised or Owned Herding,poultry or any animal?	1	YES
			2	NO
21	q0707	0707 Has produced animal products past 12m?		
			1	YES
			2	NO
22	q0715	0715 Agricultural land in past 12 m?		
			1	YES
			2	NO
23	q0716	0716 What is total amount owned the past 12M		
24	q0717	0717 Has vegetables, fruits in pas 12M		
			1	YES
			2	NO
25	q0718	0518 What is total amount agricultural land HH members past		
26	q0801	0601. Are there household enterprises?		
			1	YES
			2	NO
27	q0802	0602. How many enterprises?		

Database documentation for the HSES Mongolia 2012

01_hhold

Variable			Categories	
Nb.	Name	Label	Code	Label
28	q0907	07-07 :Has any member received money or goods		
			1	YES
			2	NO
29	q1001			
			1	YES
			2	NO
30	q1002			
31	q1003			
			1	YES
			2	NO
32	q1004			
29	visitor	Number of visitors Cover Form 2		
30	ndays	Number of days Cover Form 2		
31	q1101	1101. Number of dwellings		
32	q1102	1102. Is main dwelling?		
			1	YES
			2	NO
33	q1103	1103. Type of Dwellings		
			1	GER
			2	DETACHED HOUSE
			3	BUILDING(unauthorised but with access to some public service)
			4	APPARTMENT
			5	STUDENT'S DORMITORY
			6	WORKER'S DORMITORY
			7	OTHER DORMITORY ACCOMODATION
			8	NON-LIVING QUARTERS
			9	OTHER
34	q1104	1104. Number of rooms in the dwelling		
35	q1105	1105. Main material of the walls		
			1	BRICKS
			2	CEMENT
			3	WOOD
			4	STONE
			5	OTHER
36	q1106	1106. Main material of the roof		
			1	METAL
			2	ASPHALT ROOF SHINGLES
			3	TILE
			4	OTHER
37	q1107	1107. Main material of the floor		
			1	WOOD
			2	CEMENT
			3	EARTH
			4	OTHER
38	q1108	1108. Living area		
39	q1109	1109. Total useful area		
40	q1110	1110. What is the total area occupies		
41	q1111	1111. Number of walls in the ger		
42	q1112	1112. Covering of the ceiling		
			1	SINGLE
			2	DOUBLE
43	q1113	1113. Covering of the frame		
			1	SINGLE
			2	DOUBLE
44	q1114	1114. Main material of the floor		
			1	WOOD
			2	EARTH
			3	OTHER
45	q1115	1115. How old is this dwelling		
			99	***Undefined Label
46	q1116	1116. How long have you been living		
47	q1117	1117. Type of ownership		
			1	STATE
			2	ORGANIZATION'S

Database documentation for the HSES Mongolia 2012

01_hhold

Variable			Categories	
Nb.	Name	Label	Code	Label
			3	PRIVATE
48	q1118	1118. How was acquired		
			1	RENTING
			2	INHERITED
			3	GIFT
			4	BUILT BY OURSELVES
			5	PURCHASED
			6	PRIVATIZED
			7	OTHER
49	q1119	1119. Did you borrow any money to acquire		
			1	YES
			2	NO
50	q1120	1120. If you wanted to rent, how much		
			99	***Undefined Label
51	q1121	1121. How much do you pay for rent		
52	q1122	1122. What is the main source of heating		
			1	CENTRALIZED
			2	TRADITIONAL FIRE WOOD/COAL/ DUNG STOVE
			3	PRIVATE ELECTRICAL HEATER
			4	PRIVATE LOW PRESSURE BOILER
			5	OTHERS
53	q1123	1123. Source of electricity		
			1	CENTRAL SYSTEM
			2	LOCAL SYSTEM/DIESEL STATION
			3	SOLAR SUSTEM
			4	WIND SYSTEM
			5	SMALL GEN-SET
			6	CANDEL
			7	OTHER
54	q1124	1124. Electricity resource adequate for operating electricd		
			1	YES
			2	NO
55	q1125	1125. Water supply		
			1	CENTRALIZED: HOT & COLD WATER PIPE
			2	CENTRALIZED: COLD WATER PIPE ONLY
			3	PROTECTED WELL
			4	UNPROTECTED WELL
			5	TRANSPORTATION DISTRIBUTION
			6	SPRING, RIVER
			7	SNOW, ICE
			8	OTHER
56	q1126			
			1	
			2	
			3	
			4	
57	q1127	1127. Household waste disposal		
			1	
			2	
			3	NO SPECIAL PLACE
			4	OTHERS
58	q1128	1128. What type of toilet do you have		
			1	SEPARATE
			2	PUBLIC
			3	OUTSIDE THE DWELLING
			4	NO TOILET
59	q1129	1129. Has a telephone		
			1	YES, LAND LINE PHONE
			2	YES, MOBILE PHONE
			3	YES, BOTH LAND AND MOBILE PHONE
			4	NO
60	q1130_1			
62	q1130_2	1130. 3-Distance to the nearest medical care		
63	q1130_3	1130. 4-Distance to the nearest pharmacy		
64	q1130_4	1130. 5-Distance to the nearest well		
65	q1131	1131. Anybody from your household own or exploit land ?		
			1	YES

Database documentation for the HSES Mongolia 2012

01_hhold

Nb.	Variable Name	Variable Label	Categories Code	Categories Label
			2	NO
66	q1132_a	1132. How many hectares does your household OWN?		
67	q1132_b	1132. How many hectares does your household OPERATE?		
68	q1133	1133. Use internet normally?		
			1	YES
			2	NO
69	q1134	1134. How many household member		
70	q1135_1	1135_1. Where used internet, at home		
			1	YES
			2	NO
71	q1135_2	1135_2. Where used internet, at work		
			1	YES
			2	NO
72	q1135_3	1135_3. Where used internet, internet café		
			1	YES
			2	NO
73	q1135_4	1135_4. Where used interne, free public accesst		
			1	YES
			2	NO
74	q1135_5	1135_5. Where used internet, other		
			1	YES
			2	NO

Database documentation for the HSES Mongolia 2012

02_indiv

Variable			Categories	
Nb.	Name	Label	Code	Label
1	identif	household_id		
2	ind_id	Ind ID		
3	q0102	102. Relationship to head		
			1	HEAD
			2	WIFE / HUSBAND
			3	SON / DAUGHTER
			4	FATHER / MOTHER
			5	BROTHER / SISTER
			6	FATHER / MOTHER IN LAW
			7	SON / DAUGHTER IN LAW
			8	GRAND PARENT
			9	GRANDCHILD
			10	OTHER RELATIVE
			11	OTHER
4	q0103	103. Sex		
			1	MALE
			2	FEMALE
5	q0104	104. Year of birth		
6	q0105y	105. Age Yrs		
7	q0105m	105. Age Mths		
8	q0106	106. Marital Status		
			1	MARRIED
			2	LIVING TOGETHER
			3	SEPARATED
			4	DIVORCED
			5	WIDOWED
			6	NEVER MARRIED
9	q0107	107. Spouse ID CODE		
			98	***Undefined Label
10	q0108	108. Father ID CODE		
			98	***Undefined Label
			99	***Undefined Label
11	q0109	109. Mother ID CODE		
			98	***Undefined Label
			99	***Undefined Label
12	q0110a	110 A. Days away past month		
13	q0110	110. Months away		
14	q0111	111. Is HH member?		
			1	YES
			2	NO
15	q0207	207. Is 6 years or more?		
			1	YES
			2	NO
16	q0208	208. Is answering personally?		
			1	YES
			2	NO
17	q0209	209. Respondent ID CODE		
18	q0210	210. Highest certificate obtained		
			1	NONE
			2	PRIMARY

Database documentation for the HSES Mongolia 2012

02_indiv

Nb.	Variable Name	Variable Label	Code	Categories Label
			3	SECONDARY
			4	COMPLETE SECONDARY
			5	VOCATIONAL
			6	DEGREE OR HIGHER EDUCATION DIPLOMA
			7	BACHELOR
			8	MASTER
			9	PHD, DOCTOR DEGREE
			10	OTHER
19	q0211	211. Can read a letter?		
			1	YES, EASILY
			2	YES, WITH DIFFICULTY
			3	NO
20	q0212	206. Are you attending School?		
			1	YES
			2	NO, DROPPEDOUT
			3	NO, NEVER ATTENDED
			4	NO, COMPLETED
	q0213			
21	q0214	214. Check age/ between 8-35 years		
			1	YES
			2	NO
22	q0215	215. Reason never attended school		
			1	CHILD NOT INTRESTED
			2	PARENTS NOT INTERESTED
			3	DIFFICULT TRAINING
			4	POOR TRAINING QUALITY
			5	POOR SCHOOL CONDITIONS
			6	LACK OF BUDGET
			7	REQUIRED TO WORK
			8	SICK/DISABLED
			9	HAD TO LOOK AFTER OTHERS
			10	SCHOOL TOO FAR
			11	MIGRATION
			12	SHORTAGE OF DORMITORY
			13	OTHERS
23	q0216t	216. Current education TYPE		
			1	GENERAL
			2	VOCATIONAL
			3	COLLEGE, UNIVERSITY
			4	OTHER (ECLE-SIASTICAL, NON FORMAL)
24	q0216g	216. Current education GRADE		
25	q0217	217. Type of School		
			1	PUBLIC
			2	PRIVATE
			3	OTHER
26	q0218	211. School Location		
			1	CAPITAL CITY
			2	AIMAG CENTER
			3	SOUM CENTER
			4	ABROAD
27	q0219	212. Place where person lives during school		
			1	HOME
			2	GER APPART FROM HH
			3	DORMITORY
			4	RELATIVES
			5	OTHER
	q0220			
	q0221			
28	q0222	222. Pay tuition?		

Database documentation for the HSES Mongolia 2012

02_indiv

Nb.	Variable Name	Variable Label	Categories Code	Categories Label
			1	YES
			2	NO
29	q0226_1	226_1. Expenditures during past 12 months in room rent		
30	q0226_2	226_2. Expenditures during past 12 months in tuition paid by		
32	q0226_3	226_3. Expenditures during past 12 months in books and suppl		
33	q0226_4	226_4. Expenditures during past 12 months in uniforms		
34	q0226_5	226_5. Expenditures during past 12 months in transport		
35	q0226_6	226_6. Expenditures during past 12 months in others		
36	q0226_7	226_7. Expenditures during past 12 months in TOTAL		
37	q0301	301. Answering personally?		
			1	YES
			2	NO
38	q0302	302. Respondent ID CODE		
39	q0303	303. Any health problem during past month?		
			1	YES
			2	NO
40	q0304a	304_A. Health problem (1)		
			1	RESPIRATORY SYSTEM
			2	DIGESTIVE SYSTEM
			3	URINARY AND SEXUAL ORGAN
			4	BLOOD CIRCULATION SYSTEM
			5	DAMAGE OR INTOXICATION BY EXTERNAL IMPA
			6	OTHER
41	q0304b	304_B. Health problem (2)		
			0	NO MORE
			1	RESPIRATORY SYSTEM
			2	DIGESTIVE SYSTEM
			3	URINARY AND SEXUAL ORGAN
			4	BLOOD CIRCULATION SYSTEM
			5	DAMAGE OR INTOXICATION BY EXTERNAL IMPA
			6	OTHER
42	q0305	305. Did you seek treatment in past 1 M?		
			1	YES
			2	NO
43	q0306	306. Why didn't seek treatment?		
			1	NOT SERIOUS ENOUGH
			2	HEALTH FACILITY TOO FAR
			3	NO TRANSPORTATION
			4	HEALTH CARE TOO EXPENSIVE
			5	TRANSPORT TOO EXPENSIVE
			6	HEALTH WORKERS NOT FRIENDLY
			7	HEALTH WORKERS NOT PRESENT
			8	HEALTH CARE NOT GOOD QUALITY
			9	NO MONEY
			10	TREATED MYSELF
			11	DIDN'T KNOW FROM WHERE TO GET TREATMENT
			12	TRADITIONAL HEALER
44	q0307	307. Where was treatment provided?		

Database documentation for the HSES Mongolia 2012

02_indiv

Nb.	Variable Name	Variable Label	Categories Code	Categories Label
			1	CENTRAL HOSPITAL/CLINIC
			2	AIMAG/DISTRICT CLINIC
			3	SOUM CENTER FAMILY CLINIC
			4	PRIVATE
			5	ABROAD
			6	OTHER
45	q0308	308. Who provided medical service for your treatment?		
			1	SPECIALISED DOCTOR
			2	FAMILY DOCTOR
			3	MEDSISTER
			4	CHIROPRACTOR
			5	TRADITIONAL HEALER
			6	OTHER
46	q309_1	309_1. Amount paid in facility or healt practitioner		
47	q309_2	309_2. Amount paid in transportation or others		
48	q0310	310. Have bought medicines in the past M ?		
			1	YES
			2	NO
49	q0311	311. Amount spent in medicines		
50	q0312	312. Have stayed at hospital in past 12 M?		
			1	YES
			2	NO
51	q0313	313. What was the Hospital ?		
			1	CENTRAL HOSPITAL/CLINIC
			2	AIMAG/DISTRICT CLINIC
			3	SOUM CENTER FAMILY CLINIC
			4	PRIVATE
			5	ABROAD
			6	OTHER
52	q0314	314. How much did you pay for all costs		
53	q0315	315. Amount spent in transportation		
54	q0401	4.01 Respondent 10 yrs or more?		
			1	YES
			2	NO
55	q0402	4.02 Answering by himself?		
			1	YES
			2	NO
56	q0403	4.03 ID CODE of respondent		
57	q0404	4.04 Did you any job for the past 7 days?		
			1	YES
			2	NO
58	q0405	4.05 What kind of work was the main job you did?		
			1	WAGE JOB
			2	UNPAID WORK
			3	SELF EMPLOYED HERDING
			4	SELF EMPLOYED AGRICULTURE
			5	OTHER
59	q0406	4.06 Any permanent job despite you did no job in last 7 day		
			1	YES
			2	NO
60	q0407	4.07 Main reasong for not doing job in last 7 days		
			1	SICK
			2	PREGNANT
			3	CARING FOR OTHERS
			4	HOLIDAY
			5	TEMPORARY HALT
			6	SEASONAL WORK
			7	OTHER

Database documentation for the HSES Mongolia 2012

02_indiv

Variable			Categories	
Nb.	Name	Label	Code	Label
61	q0408	4.08 Did you look for a job in last 7 days		
			1	YES
			2	NO
62	q0409	4.09 Reasons for not looking for a job		
			1	STUDENT
			2	TOO OLD
			3	HOMEWORK, CARING FOR A BABY
			4	EXPECTING A JOB
			5	EMPLOYED IN SEASONAL JOBS
			6	SICK/CARES OF SICK PERSON
			7	DISABLED
			8	OTHER
63	q0410	4.10 Registered in labour and social welfare dep?		
			1	YES
			2	NO
64	q0411c	4.11 What is your main job? CODE		
65	q0412c	4.12 Economic branch? CODE		
66	q0413	4.13 Nb of hours for a week on average		
67	q0414	4.14 Type of your organisation		
			1	Partnership
			2	Cooperative
			3	Corporation
			4	LLC
			5	State owned company
			6	Local authority owned company
			7	Government organisation
			8	NGO
			9	Other
68	q0415	4.15 Do your receive any salary in cash and/or in kind		
			1	YES
			2	NO
69	q0416a	4.16 Salary amount - past month		
70	q0416b	4.16 Salary amount - past 12 months		
71	q0416c	4.16 Bonuses and special allowances		

Database documentation for the HSES Mongolia 2012

03_livestock

Nb.	Variable		Categories	
	Name	Label	Code	Label
1	household_id			
2	ani_id	Animal Number		
			1	Cattle
			2	Horses
			3	Camels
			4	Sheep
			5	Goats
3	q0702_1	702-1. TOTAL	6	Other
4	q0702_2	702-2. Number of female		
5	q0702_3	702-3. Number of young		
6	q0703	703. Use for own food		
7	q0704	704. Number of sold		
8	q0705	705. Amount received		

Database documentation for the HSES Mongolia 2012

04_livestock_exp

Nb.	Variable Name	Variable Label	Categories Code	Categories Label
1	household_id			
2	exp_id	Exp number		
			1	Animal Feed
			2	Drugs and veterinary costs
			3	Gassoline /Oil
			4	Taxes and Insurance
			5	Wage, pay
			6	Fence, machine
			7	Other
3	q0706	07 06: Expenditures on this [herding activity] in the last 1		

Database documentation for the HSES Mongolia 2012

05_by_product

Variable			Categories	
Nb.	Name	Label	Code	Label
1	household_id			
2	byprod_id	By-product number		
			1	Goat cashmere, kg
			2	Wool, hair, cashmere, kg
			3	Skins and hides, pieces
			4	Milk, airag, liters
			5	Eggs, (number)
			6	Other by-products
3	q0708			
4	q0709	709. Total Production		
5	q0710	710. Quantity consumed by household		
6	q0711	711. Quantity sold		
7	q0712	712. Total amount received from sales		
8	q0713	713. Quantity produced and sold		
9	q0714	714. Total amount received from produced and sold		

Database documentation for the HSES Mongolia 2012

06_crop

	Variable		Categories	
Nb.	Name	Label	Code	Label
1	household_id			
2	crop_id	Crop Number		
			1	Potatoes
			2	Carrots
			3	Turnip
			4	Cabbage
			5	Beetroot
			6	Onion
			7	Garlic
			8	Tomatoes
			9	Cucumber
			10	Fruits
			11	Wheat
			12	Haylage
			13	Other…
3	q0719	519. Did harvest during past 12 M?		
			1	YES
			2	NO
4	q0720	520. Total harvest in past 12 M in KG		
5	q0721	521. Quantity consumed by your HH		
6	q0722	522. Quantity used for animal feed		
7	q0723q	523Q. Quantity sold (KG)		
8	q0723t	523T. Total amount sold (Tugrugs)		

Database documentation for the HSES Mongolia 2012

07_agric_exp

Variable			Categories	
Nb.	Name	Label	Code	Label
1	household_id			
2	exp_id	Expenditure Item		
			1	Seeds
			2	Fertilizers
			3	Extermination of vermin
			4	Wages & salaries
			5	Equipent & Tools
			6	Spareparts
			7	Repairs and services
			8	Raw materials
			9	Gasoline, fuel
			10	Taxes , insurances and fees
			11	Transport
			12	Rent
			13	Others
3	q0724	07-24: Total expenditures on item during past 12 mths		

Database documentation for the HSES Mongolia 2012

08_enterprise

Nb.	Variable		Categories	
	Name	Label	Code	Label
1	household_id			
2	en	Enterprise Number (1-2-3)		
3	q0803	0603. Activity Code		
4	q0804	0604. What % of this enterprise is owned by members		
5	q0805	0605. How many members work in this enterprise		
6	q0806	0606. How many not members work in this enterprise past mont		
7	q0807_01	0807_01: Wage of labor		
8	q0807_02	0807_02: Expenditures in: Goods for resale		
9	q0807_03	0807_03: Expenditures in: Raw materials		
10	q0807_04	0807_04: Expenditures in: Gasoline, fuel		
11	q0807_05	0807_05: Expenditures in: water, steam		
12	q0807_06	0807_06: Expenditures in: Equipment		
13	q0807_07	0807_07: Expenditures in: Rental of facilities		
14	q0807_08	0807_08: Expenditures in: Spare parts		
15	q0807_09	0807_09: Expenditures in: Repair and maintenance		
16	q0807_10	0807_10: Expenditures in: Tax, fees, patent, license, insura		
17	q0807_11	0807_11: Expenditures in: Other expenses(labor, water, steam		
18	q0807_99	0807_99: TOTAL EXPENSES		
19	q0808	0808: Months in operation?		
20	q0809_1a	0809-1. Amount received in a average month (per mth)		
21	q0809_1b	0809-1. Number of average months		
22	q0809_2a	0809-2. Amount received in a bad month (per mth)		
23	q0809_2b	0809-2. Number of bad months		
	q0809_3a	0809-3. Amount received in a good month (per mth)		
	q0809_3b	0809-3. Number of good months		

Database documentation for the HSES Mongolia 2012

09_other_income

Nb.	Variable Name	Variable Label	Categories Code	Categories Label
1	household_id			
2	income_id	Source Number		
			1	State pension
			2	Special Pension
			3	Unemployment benefit
			4	Maternity benefits
			5	Disability pension
			6	Survivor pension
			7	Illness payments
			8	Funeral payments
			9	Human development fund allowances (received in cash)
			10	Human development fund allowances (transferred to account)
			11	Human development fund allowances (student, superiority, other)
			12	Mother benefit
			13	Student benefit
			14	Other social benefit
			15	Rent of own assets (land, buildings, ve
			16	Sale of assets
			17	Inheritances and wedding presents
			18	Loan repayments
			19	Withdrawals from bank savings
			20	Income from other sourses
			21	savings?
			22	Dividends?
			23	Loan?
			24	Treasury Bond?
			25	Gambling, lottery and contest
			26	Other income (from intellectual propert
3	q0901	09-01: Has anybody received ...		
			1	YES
			2	NO
4	q0902_ic	09_02: ID CODE 1		
5	q0902_t	09_02: Amount during the past 12 mths (1)		
6	q0903_ic	09_03: ID CODE 2		
7	q0903_t	09_03: Amount during the past 12 mths (2)		
8	q0904_ic	09_04: ID CODE 3		
9	q0904_t	09_04: Amount during the past 12 mths (3)		
10	q0905_ic	09_05: ID CODE 4		
11	q0905_t	09_05: Amount during the past 12 mths (4)		
12	q0906_ic	09_06: ID CODE 5		
13	q0906_t	09_06: Amount during the past 12 mths (5)		

Database documentation for the HSES Mongolia 2012

10_remittance

Nb.	Variable Name	Variable Label	Categories Code	Categories Label
1	household_id			
2	ln	Line Number		
3	ind_id	0908 ID CODE		
4	q0909	0909. Who gave the gift		
			1	GOVERNMENT
			2	COMPANIES AND ORGANIZATIONS
			3	NGOs
			4	PARENTS, CHILDREN, RELATIVES
			5	OTHER INDIVIDUALS (FRIENDS, NEIGHBORS,
			6	FOREIGN & INTERNATIONAL ORGANIZATIONS,
			7	OTHERS
5	q0910	0910 Purpose of the receipt		
			1	HOUSEHOLD USE
			2	EDUCATION8 TUITION FEE
			3	MEDICAL TREATMENT
			4	PURCHASE OF DWELLING
			5	HOLIDAY
			6	FUNERAL
			7	HOUDEHOLD ENTERPRISE
			8	OTHER
6	q0911	0911. From where the gifts		
			1	Capital city
			2	Aimag center
			3	Soum center
			4	Countryside
			5	immigration
7	q0912	0912. from wich country the gift (code)		
8	q0913	0913. How much was received during the past 12 M (TUGR)		
9	q0914	0914. Do receive it regularly?		
			1	YES, weekly
			2	YES, monthly
			3	YES, quarterly
			4	YES, annualy
			5	NO
10	q0915	0915. How do you receive it?		
			1	CASH
			2	BY ACCOUNT
			3	CASH REMITTANCE
			4	IN KIND
			5	OTHER

Database documentation for the HSES Mongolia 2012

11_savings_loan

Nb.	Variable Name	Variable Label	Categories Code	Categories Label
1	household_id			
2	loan_id	Loan Number		
3	q1005	1005. Kind of loans?		
			1	Salary loan
			2	Retirement loan
			3	Mortgage loan
			4	Consumer loan
			5	Stockman loan
			6	Business loan
			7	Financing solutions
			8	Vehicle-car loan
			9	Other
4	q1006	1006. Did you get this loan in the past 12 months?		
			1	Yes
			2	No
	q1007	1007. Total loan of past 12 months		
5	q1008	1008. Is it possible for your household to repay the loan in time?		
			1	Yes
			2	No
			3	Don't know
6	q1009	1009. Where do you or does any member of this household get this loans?		
			1	Bank
			2	Non bank financial institution
			3	Savings and credit cooperatives
			4	Employer or organization
			5	Individual
			6	Pawn shop
			7	Others
7	q1010	1010a-1010c. What was the loan purpose/function?		
			1	HH expenses
			2	Buy the car
			3	Business
			4	Buy the land
			5	Buy the durable goods
			6	Building a house
			7	Send a HH member abroad
			8	Others
	q1011	1011. How much money do you repaid for this loan in the past 1 month?		
	q1011	How much money do you repaid for this loan in the past 12 month?		

Database documentation for the HSES Mongolia 2012

12_energy

Variable			Categories	
Nb.	Name	Label	Code	Label
1	household_id			
2	energy_id	Source Number		
			1	Electricity
			2	Firewood, m3
			3	Firewood, bag
			4	Coal, ton
			5	Coal, bag
			6	Dung, ton
			7	Dung, bag
			8	Gas fuel, l
			9	Other
3	q1136	1136. Have used the source?		
			1	YES
			2	NO
4	q1137	1137. How do you mainly obtain [FUEL]?		
			1	Collect ourselves
			2	Purchase
			3	Collect and Purchase
			4	Other
5	q1138	1138. How much have you consumed for the past 12 motnths?		
6	q1139	1139. Amount spend on purchases of ... in past month		
7	q1140	1140. Amount spend on purchases of ... in past 12 months		
8	q1141	1141. Value of ... received free in past 12 months		

Database documentation for the HSES Mongolia 2012

13_payment_serv

Variable			Categories	
Nb.	Name	Label	Code	Label
1	household_id			
2	item	Service Number		
			1	Heating fees
			2	Water use fees
			3	Hot water fees
			4	Dirty water
			5	Garbage disposal
			6	Housing space fees
			7	Other services (lift…)
			8	Other fees (repair of plumbing)
			9	Drinking water /transported/
			10	House rent: Ger
			11	House rent: Apartment, house
			12	Charges of repair of dwelling
			13	Other
3	q1142	1142. Have bought or received free.. during past 12 m?		
			1	YES
			2	NO
4	q1143	1143. Amount spend on purchases of .. during past month		
5	q1144	1144. Amount spend on purchases of .. during past 12 months		
6	q1145	1145. Value of .. received free during past 12 months		

Database documentation for the HSES Mongolia 2012

14_durable

Variable			Categories	
Nb.	Name	Label	Code	Label
1	household_id			
2	durable_id	GOOD NUMBER		
			1	Refrigerator
			2	Vacuum Cleaner
			3	Washing machine
			4	Sewing machine
			5	Electric or Gas Stove
			6	Electric Heater
			7	Electric Gen-set
			8	Electric Iron
			9	Oven
			10	Rice cooker
			11	Water purifier
			12	Iron Stove/Brick stove
			13	Other home appliances & equipment
			14	Traditional Style Bed, Wooden Bed
			15	
			16	Sofa
			17	Iron Bed
			18	Room divider
			19	Bedroom furniture sets
			20	Wardrobe Closet
			21	Wooden Table
			22	Wooden Trunk
			23	Carpet
			24	Other furniture
			25	Radio
			26	Black & White TV
			27	Color TV
			28	Tape Player, CD Player
			29	Video Cassette Player
			30	Video Camera
			31	Camera
			32	Computer
			33	Other electronic good
			34	Bicycle
			35	Motorcycle
			36	Truck, Large truck
			37	Car
			38	Bus
			39	Tractor, harvester
			40	Other household transportation
			41	Ger
			42	House, Dwelling
			43	Garage
			44	Summer House
3	q1201	1201 Number of durable good		
4	q1202	1202 How long have you used this good		
5	q1203	1203 Please value this good		

Database documentation for the HSES Mongolia 2012

15_non_food

Variable			Categories	
Nb.	Name	Label	Code	Label
1	household_id			
2	item	Non-food Item code		
			20101	Men: Leather jacket, deel
			20102	Men: Winter jacket, winter deel
			20103	Men: Overcoat
			20104	Men: Other leather jacket, winter jacke
			20105	Men: Suit, costume
			20106	Men: Wool and cashmere sweater
			20107	Men: Other shirts
			20108	Men: Traditional deel
			20109	Men: Sport wear
			20110	Men: Hat, neckwear
			20111	Men: Trousers
			20112	Men: T-shirts
			20113	Men: Underwear
			20114	Men: pants (pyjamas) and nightrobe
			20115	Men: Socks
			20116	Men: Tights
			20117	Other men's clothing and footwear
			20201	Women: Leather jacket, deel
			20202	Women: Winter jacket, winter deel
			20203	Women: Overcoat
			20204	Women: Other leather jacket, winter jac
			20205	Women: Suit, costume
			20206	Women: Wool and cashmere sweater
			20207	Women: Other shirts
			20208	Women: Traditional deel
			20209	Women: Unlined dress and skirts
			20210	Women: Sport wear
			20211	Women: Hat, neckwear
			20212	Women: Trousers
			20213	Women: T-shirts
			20214	Women: Underwear
			20215	Women: pants (pyjamas) and nightrobe
			20216	Women: Socks
			20217	Women: Tights
			20218	Other women's clothing and footwear
			20301	Children: Leather jacket, deel
			20302	Children: Winter jacket, winter deel
			20303	Children: Overcoat
			20304	Children: Other leather jacket, winter
			20305	Children: Suit, costume
			20306	Children: Wool and cashmere sweater
			20307	Children: Other shirts
			20308	Children: Traditional deel
			20309	Children: Unlined dress and skirts
			20310	Children: Sport wear
			20311	Children: Hat, neckwear
			20312	Children: Trousers
			20313	Children: T-shirts
			20314	Children: Underwear
			20315	Children: pants (pyjamas) and nightrobe
			20316	Children: Socks
			20317	Children: Tights
			20318	Other children's clothing and footwear

Database documentation for the HSES Mongolia 2012

15_non_food

Variable			Categories	
Nb.	Name	Label	Code	Label
			20319	All sorts of clothing for children aged
			20320	Wrapping and other articles for infants
			20401	Hat, neckwear, gloves
			20402	Tie, belts
			20403	Handkerchief
			20404	Sewing treads
			20405	Other (ribbons, press-studs, zip-fasten
			20501	Dry cleaning
			20502	Laundering
			20503	Dyeing of garments
			20504	Mending, repair
			20505	Hire of garments
			20601	Winter shoes
			20602	Spring or autumn shoes
			20603	Summer shoes, boot
			20604	Slippers
			20605	Summer slippers
			20606	Sport
			20607	Traditional shoes and buriad shoes
			20608	Felt
			20609	Other footwear
			20610	Footwear for children aged 0-2
			20701	Repair of footwear
			20702	Shoe cleaning services
			20703	Cost for lease of shoes
			20801	Woolen cloth, m
			20802	Cloth Daalimba,m
			20803	Tsagaan yambuu, m
			20804	Cotton cloth, m
			20805	Satin, m
			20806	All kind of silk, m
			20807	Synthetic, m
			20808	Cotton, kg
			20809	Carded wool
			20810	Other.....
			20901	Furnished and wooden beds
			20902	Sofas
			20903	Metal beds
			20904	Wall and wardrobes
			20905	Kitchen furnitures
			20906	Bedroom furnitures
			20907	Table and chairs
			20908	Chest
			20909	Electric lamp
			20910	Painting and scultures
			20911	Mattress
			20912	Bath room accessories
			20913	Mirror
			20914	Beds for children
			20915	Other furnitures and accessories
			20916	Cost for repair and services
			20917	Carpets
			20918	Strip of carpet/mat
			20919	Capping
			20920	Oilcloth for the floor

Database documentation for the HSES Mongolia 2012

15_non_food

Nb.	Variable Name	Variable Label	Categories Code	Categories Label
			20921	Other floor covering
			20922	Cost for repair and services
			21001	Curtains
			21002	Bedsheets
			21003	Bed covering
			21004	Towel
			21005	Bath towel
			21006	Tablecloth
			21007	Other woven, sewn and cloth appliances
			21008	Cost for repair and services
			21101	Refrigerators
			21102	Vacuum cleaner
			21103	Washing mashine
			21104	Sewing mashine
			21105	Electric and gas stove
			21106	Electric heating
			21107	Generators
			21108	Electric fan
			21109	Electric iron
			21110	Electric ring/Electric hob
			21111	Safe
			21112	Other electric appliances (air conditio
			21113	Cost for repair and services
			21114	Coffee pot
			21115	Rice cooker
			21116	Bread roaster
			21117	Water boiler and electric tea pot
			21118	Other (Coffee mixer etc.)
			21119	Cost for repair and services
			21201	Glasses
			21202	Ceramic ware/china-ware
			21203	Vacuum flask
			21204	Knife, spoon and fork
			21205	Plastic utensils
			21206	Metal and cast iron utensils
			21207	Other utensils
			21208	Cost for repair and services
			21301	Saws
			21302	Spade
			21303	Rake
			21304	Other (drill, nipper e.g)
			21305	Door accessories (hinge e.g)
			21306	Electric accessories (breaker, cable)
			21307	Flashlight
			21308	Lamp
			21309	Battery
			21310	Bell
			21311	Signal accessories
			21312	Other
			21313	Cost of repair and service
			21401	Laundry soap, piece
			21402	Washing powder/detergent, piece
			21403	Match, piece
			21404	Candle, piece
			21405	Shoe polish, piece

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15_non_food

Nb.	Variable Name	Variable Label	Categories Code	Categories Label
			21406	Sterilization materials, kg
			21407	Other cleaning materials
			21408	Brush, besom, piece
			21409	Garbage basin, piece
			21410	Brush, polisher, piece
			21411	Clothes-hanger, piece
			21412	Needle for sewing and woven, piece
			21413	Nails, nut, screw
			21414	Glue, scotch tape
			21415	Other tools
			21416	House sweeper
			21417	Cost disinfection and sterilization
			21418	Dry cleaning
			21419	Cost for lease of domestic goods
			21501	Tablets, vitamins
			21502	Injection
			21503	Other(condoms,IUD, bandage, thermometer
			21504	Eye glasses, contact lenses
			21505	Other devices (hearing devices, artific
			21506	Outpatients clinic examination
			21507	Dental care
			21508	Other medical services (to give an inje
			21509	In patient
			21601	Car
			21602	Bus
			21603	Trucks
			21604	Motorcycle
			21605	Bicycle
			21606	Carting
			21607	Repair and services of auto vehicles
			21608	Wheels
			21609	Spare parts of auto mobile
			21610	Gasoline, diesel
			21611	Other fuel
			21612	Cost of repair and service
			21613	Technical inspection and diagnostics
			21614	Lease of garage
			21615	Other (Charge for using roads, driving
			21616	Cost for transportation rent
			21701	Cost for bus and trolleybus
			21702	Railway passenger service: Domestic
			21703	Railway passenger service: Internationa
			21704	Railway freight
			21705	Taxi cost: Inside the city
			21706	Road transportation service: inter-urba
			21707	Road transport: Inside the city
			21708	Road freight : Inter-urban
			21709	Air: Domestic
			21710	Air: International
			21711	Luggage cost of air
			21712	Cost for traveling by water transport
			21713	Freight of water transport
			21714	Other transports
			21801	Letters, parcel, post card
			21802	Stamps, envelope (new)

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15_non_food

Nb.	Variable Name	Variable Label	Categories Code	Categories Label
			21803	Telephone, fax mashine
			21804	Repair cost of telephone and fax mashin
			21805	Calling: Inter-urban
			21806	Calling: International
			21807	Telephone charge
			21808	Mobile/cell phone
			21809	Service charge of telegraph, telex and
			21810	Lease cost of telephone and fax
			21811	Installing charge of equipments
			21812	Calling card
			21813	Charge for internet service
			21901	Radio
			21902	Black-white TV
			21903	Color TV
			21904	TV aerial
			21905	Tape-recorder
			21906	Video player
			21907	Video camer
			21908	Binoculars
			21909	Camera
			21910	Computer
			21911	Calculator
			21912	Audio and video cassette, CD
			21913	Films
			21914	Repair cost of above equipments
			21915	Travel tools (boat etc)
			21916	Musical instruments (guitar etc)
			21917	Billiard board
			21918	Repair cost of above tools
			22001	Playing card
			22002	Chess
			22003	Puzzle
			22004	Dolls
			22005	Car
			22006	Electric toys
			22007	Other toys
			22008	Collection (stamp-collection etc)
			22009	Cassette with games, CD
			22010	Sport tools (skiing etc)
			22011	Gun
			22012	Tent
			22013	Live and artificial flowers
			22014	Xristmas tree
			22015	Pets
			22016	Food for pets
			22017	Shelter, tie and bowl of pets
			22018	Services related to the pets(care, trea
			22101	Driving lessons
			22102	Fee for sport s group study
			22103	Performance fee (cinema, drama, concert
			22104	Service charge for puppet places
			22105	Renting for sport tools
			22106	Charge for radio and TV set (cabel TV)
			22107	Develop and print out photo films
			22108	Lottery

Database documentation for the HSES Mongolia 2012

15_non_food

Variable			Categories	
Nb.	Name	Label	Code	Label
			22201	Newspapers and journals
			22202	Notebook
			22203	Pen
			22204	Pencil
			22205	Books and dictionary
			22206	Paper
			22207	Other printed matters (post card, calen
			22208	Other stationary (ink, erassor, folder
			22301	Total cost for recreation and travel
			22401	Tuition fee: pre-primary
			22402	Tuition fee: primary
			22403	Tuition fee: literacy programmes for st
			22404	Tuition fee: secondary
			22405	Tertiary
			22406	Course
			22501	Restaurants, cafes
			22502	Canteens in schools, works canteens
			22503	Accommodation services of hotels
			22504	Accommodation services of holidays vill
			22505	Accommodation services of boarding scho
			22601	Toothbrush
			22602	Tooth paste
			22603	Beauty soap
			22604	Toilet paper
			22605	Sanitary nupkins
			22606	Hairdressing
			22607	Beauty salon
			22608	Electric razors
			22609	Hair dryier
			22610	Other electric appliances
			22611	Repair of such appliances
			22612	Non-electrical razors
			22613	Other non-electrical appliances
			22614	Beauty powder
			22615	Perfume
			22616	Other beauty products
			22701	Valuables
			22702	Watches
			22703	Repair for valuables
			22704	Watch repair
			22705	Suitcase
			22706	Bag
			22707	Wallet
			22708	Babys cart, chair
			22709	Tube, lighter, ash-tray
			22710	Sun glasses, umbrella
			22711	Appliances for funeral (coffin, stone e
			22712	Repair of above appliances
			22801	Service fees for caring elders and disa
			22901	Health insurance
			22902	Life insurance
			22903	Dwelling insurance
			22904	Transport insurance
			22905	Other
			23001	Fee for financial consultation

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15_non_food

Variable			Categories	
Nb.	Name	Label	Code	Label
			23002	Service fees for banks and other financ
			23101	Fees for administrative documents (for
			23102	Payment for the services of property ma
			23103	Fees for legal services, employment age
			23104	Charges for the leasing or rental
			23105	Other services
			23201	Wall paper, package
			23202	Oil paint, l
			23203	Bricks, piece
			23204	Cement, kg
			23205	Glass, m2
			23206	Other.....
			24101	Apartment
			24102	House
			24103	Ger (complete)
			24104	Tent frame
			24105	Tent covering
			24106	Yard
			24107	Stove
			24108	Other
			24201	Income tax
			24202	Cattle tax
			24203	Land tax
			24204	Other taxes
			24301	Gifts for individual
			24302	Cost for celebration and wedding
			24303	For church and temple
			24304	For institution
			24305	Other
3	q1301	1301. Have you bought or received for the last 12 Ms		
			1	YES
			2	NO
4	q1302	1302. Purchased during the past month		
5	q1303	1303. Purchased during the past 12 months		
6	q1304	1304. Received free during the past 12 months		

Database documentation for the HSES Mongolia 2012

16_urb_diary

Variable			Categories	
Nb.	Name	Label	Code	Label
1	household_id			
2	item	Food Item code		
			10101	Bread (1 piece = 670 gr) - piece
			10102	Rice - Kg
			10103	Flour, highest grade - Kg
			10104	Flour, grade 1 - Kg
			10105	Flour, grade 2 - Kg
			10106	Other flour - Kg
			10107	Noodle,domestic - Kg
			10108	Noodle, import - Kg
			10109	Bakery - Kg
			10110	Biscuit - Kg
			10111	Cake - Kg
			10112	Millet - Kg
			10113	Other rice (farina…) - Kg
			10114	Pizza - Piece
			10115	Other flour and flour products - Kg
			10201	Mutton - Kg
			10202	Beef - Kg
			10203	Goat meat - Kg
			10204	Horse meat - Kg
			10205	Camel meat - Kg
			10206	Dried meat - Kg
			10207	chicken - Kg
			10208	Pork - Kg
			10209	Bacon - Kg
			10210	Game - Kg
			10211	Other poultry - Kg
			10212	Animal interior - Kg
			10213	Sausage,salami kg - Kg
			10214	Sausage - Kg
			10215	Canned meat - Kg
			10216	Other meat, meat products - Kg
			10301	Fish - Kg
			10302	Dried, smoked, salted fish - Kg
			10303	Canned fish - Kg
			10304	Other fish and seafood - Kg
			10401	Milk - Lt
			10402	Youghurt - Lt
			10403	Eggs - Nb
			10404	Dried curds - Kg
			10405	Horse milk, l - Lt
			10406	Curds - Kg
			10407	Cheese, national - Kg
			10408	Cheese - Kg
			10409	Curds - Kg
			10410	Other milk products - Kg
			10411	Dried and coffee milk - Kg
			10412	Condensed milk - Lt
			10413	Sour cream - Kg
			10414	Dried eggs - Kg
			10415	Other milk, cheese and eggs - N/A
			10501	Butter - kg
			10502	Margarine - kg

Database documentation for the HSES Mongolia 2012

16_urb_diary

Nb.	Variable		Categories	
	Name	Label	Code	Label
			10503	Vegetable oil - Lt
			10504	Edible animal fats - kg
			10505	Cream - kg
			10506	Melted butter - kg
			10507	Olive oil - Lt
			10508	Other oils and fats - kg
			10601	Apple - Kg
			10602	Mandarin - Kg
			10603	Raisin,kg - Kg
			10604	Other fresh fruit ,kg - Kg
			10605	Wild fruit - Kg
			10606	Dried fruit - Kg
			10607	Wild nuts,kg - Kg
			10608	Other nuts - Kg
			10609	Other Fruits /watermelon etc./ - Kg
			10701	Potato - Kg
			10702	Cabbage - Kg
			10703	Carrot - Kg
			10704	Turnip - Kg
			10705	Onion - Kg
			10706	Garlic - Gr
			10707	Tomato - Kg
			10708	Cucumber - Kg
			10709	Jelly sticks - Kg
			10710	Canned cucumber - Kg
			10711	Canned vegetable salad - Kg
			10712	Pepper - Kg
			10713	Mushrooms - Kg
			10714	Other vegetables - Kg
			10801	Sugar - Kg
			10802	Lump sugar - Kg
			10803	Sugar substitution - Gr
			10804	Candy - Kg
			10805	Sweet - Kg
			10806	Chocolate - Gr
			10807	Honey - Gr
			10808	Compotes - Gr
			10809	Jam - Gr
			10810	Icecream - Gr
			10811	Chewing gum - Piece
			10812	Syrop - Gr
			10813	Other (marmalades, sugar, jam) - N/A
			10901	Salt - Gr
			10902	Vinegar - Gr
			10903	Ketchup - Gr
			10904	Mayonnaise - kg
			10905	Yeast - Gr
			10906	Spice - Gr
			10907	Babyfood - kg
			10908	Other spices, other food - N/A
			11001	Green tea - Gr
			11002	Tea - Gr
			11003	Coffee - Gr
			11004	Cocoa - Gr

Database documentation for the HSES Mongolia 2012

16_urb_diary

Variable			Categories	
Nb.	Name	Label	Code	Label
			11005	Other tea, coffee - Gr
			11101	Beverage - Lt
			11102	Juice - Lt
			11103	Pure water, bottled - Lt
			11104	Other soft drinks - Lt
			11201	Vodka, domestic - Lt
			11202	Beer, domestic - Lt
			11203	Vodka, imported - Lt
			11204	Beer, imported - Lt
			11205	Wine - Lt
			11206	Other alcoholic beverages - Lt
			11301	Cigarette, imported - Box
			11302	Cigarette, domestic - Box
			11303	Tobacco - Gr
			11304	Snuff - Gr
			11305	Other (tobacco) - Gr
3	q1401_1	1401_1 First 10 - Total consumed		
4	q1401_2	1401_2 First 10 - Purchased		
5	q1401_3	1401_3 First 10 - Reseived free		
6	q1401_4	1401_4 First 10 - Own production		
7	q1402_1	1402_1 Second 10 - Total consumed		
8	q1402_2	1402_2 Second 10 - Purchased		
9	q1402_3	1402_3 Second 10 - Reseived free		
10	q1402_4	1402_4 Second 10 - Own production		
11	q1403_1	1403_1 Third 10 - Total consumed		
12	q1403_2	1403_2 Third 10 - Purchased		
13	q1403_3	1403_3 Third 10 - Reseived free		
14	q1403_4	1403_4 Third 10 - Own production		
15	q1404	1404 Average unit price		

Database documentation for the HSES Mongolia 2012

17_rur_food_7d

Variable			Categories	
Nb.	Name	Label	Code	Label
1	household_id			
2	item	Food Item code		
			10101	Bread (1 piece = 670 gr) - piece
			10102	Rice - Kg
			10103	Flour, highest grade - Kg
			10104	Flour, grade 1 - Kg
			10105	Flour, grade 2 - Kg
			10106	Other flour - Kg
			10107	Noodle,domestic - Kg
			10108	Noodle, import - Kg
			10109	Bakery - Kg
			10110	Biscuit - Kg
			10111	Cake - Kg
			10112	Millet - Kg
			10113	Other rice (farina...) - Kg
			10114	Pizza - Piece
			10115	Other flour and flour products - Kg
			10201	Mutton - Kg
			10202	Beef - Kg
			10203	Goat meat - Kg
			10204	Horse meat - Kg
			10205	Camel meat - Kg
			10206	Dried meat - Kg
			10207	chicken - Kg
			10208	Pork - Kg
			10209	Bacon - Kg
			10210	Game - Kg
			10211	Other poultry - Kg
			10212	Animal interior - Kg
			10213	Sausage,salami kg - Kg
			10214	Sausage - Kg
			10215	Canned meat - Kg
			10216	Other meat, meat products - Kg
			10301	Fish - Kg
			10302	Dried, smoked, salted fish - Kg
			10303	Canned fish - Kg
			10304	Other fish and seafood - Kg
			10401	Milk - Lt
			10402	Youghurt - Lt
			10403	Eggs - Nb
			10404	Dried curds - Kg
			10405	Horse milk, l - Lt
			10406	Curds - Kg
			10407	Cheese, national - Kg
			10408	Cheese - Kg
			10409	Curds - Kg
			10410	Other milk products - Kg
			10411	Dried and coffee milk - Kg
			10412	Condensed milk - Lt
			10413	Sour cream - Kg
			10414	Dried eggs - Kg
			10415	Other milk, cheese and eggs - N/A
			10501	Butter - kg
			10502	Margarine - kg

Database documentation for the HSES Mongolia 2012

17_rur_food_7d

Nb.	Variable		Categories	
	Name	Label	Code	Label
			10503	Vegetable oil - Lt
			10504	Edible animal fats - kg
			10505	Cream - kg
			10506	Melted butter - kg
			10507	Olive oil - Lt
			10508	Other oils and fats - kg
			10601	Apple - Kg
			10602	Mandarin - Kg
			10603	Raisin,kg - Kg
			10604	Other fresh fruit ,kg - Kg
			10605	Wild fruit - Kg
			10606	Dried fruit - Kg
			10607	Wild nuts,kg - Kg
			10608	Other nuts - Kg
			10609	Other Fruits /watermelon etc./ - Kg
			10701	Potato - Kg
			10702	Cabbage - Kg
			10703	Carrot - Kg
			10704	Turnip - Kg
			10705	Onion - Kg
			10706	Garlic - Gr
			10707	Tomato - Kg
			10708	Cucumber - Kg
			10709	Jelly sticks - Kg
			10710	Canned cucumber - Kg
			10711	Canned vegetable salad - Kg
			10712	Pepper - Kg
			10713	Mushrooms - Kg
			10714	Other vegetables - Kg
			10801	Sugar - Kg
			10802	Lump sugar - Kg
			10803	Sugar substitution - Gr
			10804	Candy - Kg
			10805	Sweet - Kg
			10806	Chocolate - Gr
			10807	Honey - Gr
			10808	Compotes - Gr
			10809	Jam - Gr
			10810	Icecream - Gr
			10811	Chewing gum - Piece
			10812	Syrop - Gr
			10813	Other (marmalades, sugar, jam) - N/A
			10901	Salt - Gr
			10902	Vinegar - Gr
			10903	Ketchup - Gr
			10904	Mayonnaise - kg
			10905	Yeast - Gr
			10906	Spice - Gr
			10907	Babyfood - kg
			10908	Other spices, other food - N/A
			11001	Green tea - Gr
			11002	Tea - Gr
			11003	Coffee - Gr
			11004	Cocoa - Gr

Database documentation for the HSES Mongolia 2012

17_rur_food_7d

Nb.	Variable		Categories	
	Name	Label	Code	Label
			11005	Other tea, coffee - Gr
			11101	Beverage - Lt
			11102	Juice - Lt
			11103	Pure water, bottled - Lt
			11104	Other soft drinks - Lt
			11201	Vodka, domestic - Lt
			11202	Beer, domestic - Lt
			11203	Vodka, imported - Lt
			11204	Beer, imported - Lt
			11205	Wine - Lt
			11206	Other alcoholic beverages - Lt
			11301	Cigarette, imported - Box
			11302	Cigarette, domestic - Box
			11303	Tobacco - Gr
			11304	Snuff - Gr
			11305	Other (tobacco) - Gr
3	q1501	1501. Have you consumed food during the 7 days		
			1	YES
			2	NO
4	q1502	1502. Total consumed in the past 7 days		
5	q1503	1503. Consumed from purchases		
6	q1504	1504. Unit price		
7	q1505	1505. Consumed from Received free		
8	q1506	1506. Consumed from Produced		

Database documentation for the HSES Mongolia 2012

19_foodout

Nb.	Variable		Categories	
	Name	Label	Code	Label
1	household_id			
2	item	Service Number		
			22501	Restaurants, cafes
			22502	Canteens in schools, works canteens
3	q1507			
			1	YES
			2	NO
4	q1508			
5	q1509			