Users' Manual for Handling Resampled Micro Data of Bangladesh Household Income and Expenditure Survey

Bangladesh HIES 2010

(Version 1.0)

2017
The Institute of Statistical Mathematics (ISM)
and
Statistical Information Institute for Consulting and Analysis (SINFONICA)

History of revision of the manual

☐.Version 1.0: Finalized in March 2017 based on the discussion during the Workshop in December 2016.

☐ Provisional version in November 2016 for the Workshop in December 2016.

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HIES 2010

1. About this Manual

1. This manual was prepared for users to use the next 80% resampled micro data sets of Bangladesh Household Income and Expenditure Survey (HIES) 2010.

CSV format
[1] "rt001_80.csv" "rt002_80.csv" "rt003_80.csv" "rt004_80.csv"
[5] "rt005_80.csv" "rt006_80.csv" "rt007_80.csv" "rt008_80.csv"
[9] "rt009_80.csv" "rt010_80.csv" "rt011_80.csv" "rt012_80.csv"
[13] "rt013_80.csv" "rt014_80.csv" "rt015_80.csv" "rt016_80.csv"
[17] "rt017_80.csv" "rt018_80.csv" "rt019_80.csv" "rt020_80.csv"
R format
The elements of the list object of “outfiles.80”correspond to;
[1] "rt001.80" "rt002.80" "rt003.80" "rt004.80" "rt005.80"
[6] "rt006.80" "rt007.80" "rt008.80" "rt009.80" "rt010.80"
[11] "rt011.80" "rt012.80" "rt013.80" "rt014.80" "rt015.80"
[16] "rt016.80" "rt017.80" "rt018.80" "rt019.80" "rt020.80"

2. The original micro data sets composed of all the samples were provided by Bangladesh Bureau of Statistics (BBS) 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 March 2017 by;
Hiroshige Furuta
Visiting Senior Research Fellow, Sinfonica

2. Outline of HIES 2010

The below table describes mainly on the income and expenditure survey.

Objectives of the survey	To provide with very important data like household expenditure, income, consumption, savings, housing conditions, education, employment, health, sanitation, water supply, electricity usage, etc. The HIES data series generated by the BBS is considered to be the main data source for estimation of poverty and its correlates in Bangladesh.
Topics covered by the survey	The 2010 HIES consists of nine major modules, covering various aspects of household activities and characteristics. The 2010 HIES saw the introduction of four new sub-modules – to gather information on: (i) Microcredit; (ii) Disability; (iii) Migration and Remittance; (iv) and Crisis Management (Shocks and Coping). Besides, the Social Safety Net module, introduced in 2005, was redesigned and somewhat shortened. This reflects several rounds of technical discussions on questionnaire design and content.
Frequency of the survey	Every five years. The first round of HIES was conducted in the Year 1973-74 in the independent Bangladesh. Since then, including the latest survey in 2010, BBS has successfully completed 15 rounds of HIES.
Survey period	● The survey was duly completed without interruption in one year (February 1, 2010 to January 31, 2011). ● Data was collected over a year to capture the seasonal variations in income, expenditure, and consumption patterns. ● The one-year period was divided into 18 terms. A total of 34 PSUs were covered in each term, to collect data from 680 sample households.
Coverage of the survey	● Geographical coverage: National ● The target population comprised the civilian, non-institutional population.
Sample design	● Two-stage stratified design Master: The framework of Integrated Multipurpose Sample (IMPS) design developed on the basis of the sampling frame based on the Population and Housing Census 2001. The IMPS design consisted of 1000 Primary Sampling Units (PSUs) throughout the country. Strata: 16 - of which 6 are urban, 6 are rural, and 4 are Statistical Metropolitan Areas (SMAs). PSU: 612 (392 rural and 220 urban) were selected systematically. FSU: 20 households from each PSU

	● Sample size In total 12,240 households 7,840 households from rural area 4,400 households from urban area ●
Data collection method	● Face-to-face ● There were 36 (including two reserve) enumeration teams for the survey. Each enumeration team was comprised of a supervisor, 2 enumerator cum data entry operators and two female facilitators. This team of five members was assigned to 1 PSU to collect data for a continuous period of 20 days. ● During this period, for collecting information on food consumption, the households were divided into two groups each consisting of 10 households. Each enumerator collected information on food consumption of the households for 14 days by paying 7 visits. Information on food consumption of previous two days were collected during each visit. ● The questionnaire has been revised and updated for HIES 2010. In the HIES-2010 the consumption module was included in the main questionnaire as it was done in HIES 2005 & HIES 2000. Therefore, only one questionnaire was used for all the sections covered under the preview of the HIES 2010. The HIES questionnaire contains nine separate sections. The following four new sub- modules were included in HIES-2010: 1. Disability, 2. Internal and external migration, 3. Indebtedness, opening of bank accounts and savings, 4. Household crisis and crisis management
Data entry and data check	● Data collection and data entry were done in the field level and for this purpose each survey team was provided with a laptop computer. ● Data were sent to HQ office through internet. These new techniques helped improving the data collection and data entry processes to a great extent and also facilitated to compile the Final results quickly.
Publication	“Report of the Household Income & Expenditure Survey 2010” in December 2011
Technical and financial assistance	World Bank

3. Data and metadata provided

3.1 Data files

◆ Household data files

File names in STATA format;
[1] "rt001.dta" "rt002.dta" "rt003.dta" "rt004.dta" "rt005.dta" "rt006.dta"
[7] "rt007.dta" "rt008.dta" "rt009.dta" "rt010.dta" "rt011.dta" "rt012.dta"
[13] "rt013.dta" "rt014.dta" "rt015.dta" "rt016.dta" "rt017.dta" "rt018.dta"
[19] "rt019.dta" "rt020.dta"

◆ Questionnaire and table of contents

Household Questionnaire for Income & Expenditure Survey in English	HIES English Questionnaire 2010.xls

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	PART B:	CROP PRODUCTION	20-21	rt006	✓
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		FARM FORESTRY	23	rt010	✓
	PART D:	EXPENSES ON AGRICULTURAL INPUTS	24	rt011	
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	PART A:	OTHER PROPERTY AND ASSETS	26		✓
	PART B:	OTHER INCOME	27		✓
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9	**CONSUMPTION**				
	PART A:	DAILY CONSUMPTION		rt015	✓
		DAY 1	30-31		
		DAY 2	32-33		
		DAY 3	34-35		
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Note: rt001 is the summary file and check marks indicate where items are included in rt001.

◆ Codebook was not provided by NSO.

◆ Community survey

Questionnaire	[1] "HIEScover.pdf" "HIESC1.pdf" "HIESC2.pdf" "HIESC3.pdf" [5] "HIESC4.pdf" "HIESC5.pdf" "HIESC6.pdf" "HIESC7.pdf" [9] "HIESC8.pdf"
Data files	[1] "t1_sec_1.dta" "t2_sec_1a.dta" "t3_sec_2.dta" "t4_sec_3.dta" [5] "t5_sec_4a.dta" "t6_sec_4b.dta" "t7_sec_4b1.dta" "t8_sec_4c.dta" [9] "t9_sec_5.dta" "t10_sec_6.dta" "t11_sec_6b.dta"
Codebook	[1] "sec_1.xls" "sec_1a.xls" "sec_2.xls" "sec_3.xls" "sec_4a.xls" [6] "sec_4b.xls" "sec_4b1.xls" "sec_4c.xls" "sec_5.xls" "sec_6.xls" [11] "sec_6b.xls"

Remarks: Data set of community survey is not included in the resampled micro data.

◆ PSU List

PSU list file	[1] "hies_sam.dta"

It includes area information for each PSU.

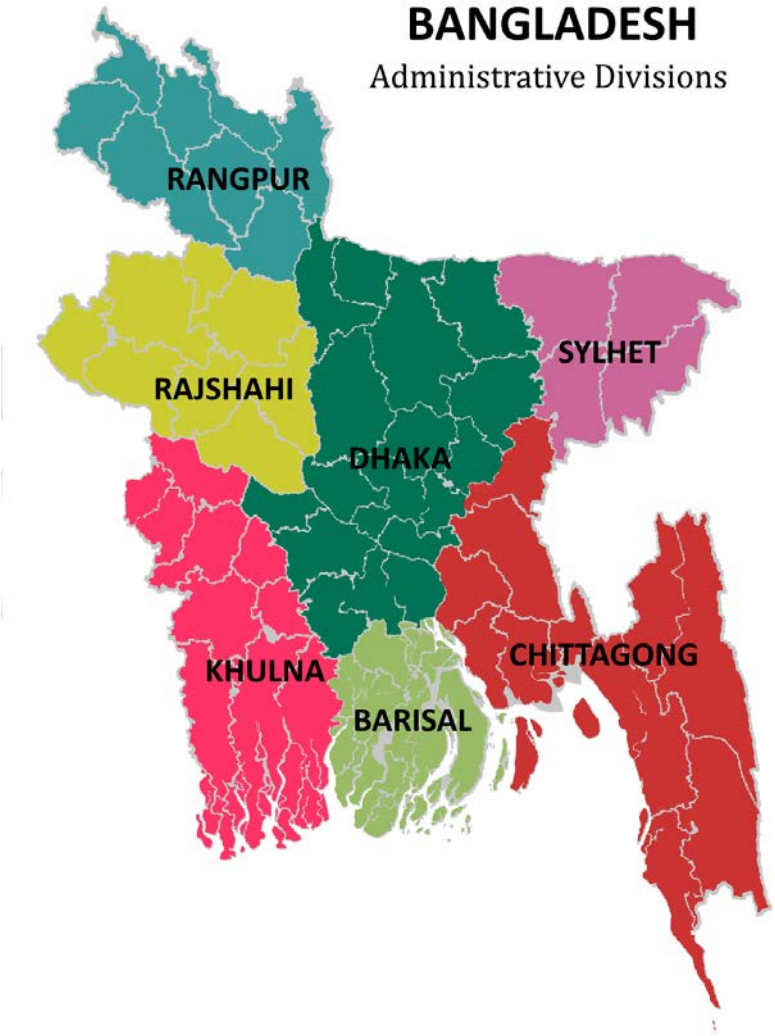
```
> library(foreign)
> d<-read.dta("hies_sam.dta" )
> dim(d)
[1] 612  17
> head(d)
  psu          spc stratum      str_name div div_name zila zl_name uz
1 001        Rural      01 Barisal Rural  10  BARISAL   04 BARGUNA 09
2 002        Rural      01 Barisal Rural  10  BARISAL   04 BARGUNA 09
3 003        Rural      01 Barisal Rural  10  BARISAL   04 BARGUNA 28
4 004        Rural      01 Barisal Rural  10  BARISAL   04 BARGUNA 47
5 005        Rural      01 Barisal Rural  10  BARISAL   04 BARGUNA 85
6 006 Municipality      02 Barisal Urban  10  BARISAL   04 BARGUNA 09
        uz_name un     un_name  mz            mza_name vill
1        AMTALI 39    BARABAGI 073 BARA NISHANBARIA CH    1
2        AMTALI 71      HALDIA 847         PURBA CHILA    1
3 BARGUNA SADAR 28     BARGUNA 112          BANSHBANIA    4
4        BETAGI 23   BIBICHINI 860            PHULTALA    1
5   PATHARGHATA 11 CHAR DUANTI 969          TAFALBARIA    1
6        AMTALI 04  WARD NO-04 823           SADARPARA   --
           vill_name rmo
1        KABIRAJ PARA   1
2         PURBA CHILA   1
3     UTTAR HELIBUNIA   1
4           PHULTALA   1
5          TAFALBARIA   1
6   ------------------   2
```

3.2 Division and District code

Using PSU list, division and district codes are available.

There are 6 divisions in HIES 2010.

```
> division<-unique(paste(d$div,d$div_name,sep=":"))
> division
[1] "10:BARISAL"    "20:CHITTAGONG" "30:DHAKA"      "40:KHULNA"
[5] "50:RAJSHAHI"   "60:SYLHET"
```



Remarks: In January 2010, Rangpur Division was split off from Rajshahi Division. Therefore, there were 6 divisions at the time of sample design, but the country was grouped into 7 divisions in the micro data and in the report.

```
> unique(outfiles[[1]]$region)  # rt001
[1] 10 20 30 40 55 50 60
```

There are 64 districts in HIES 2010.

```
> district<-unique(paste(d$zila,d$zl_name,sep=":"))
> length(district)
[1] 65
> district[43:44]
[1] "68:NARAYANGANJ" "68:NARSINGDI"
> district[order(district)][-44]
 [1] "01:BAGERHAT"     "03:BANDARBAN"    "04:BARGUNA"      "06:BARISAL"
 [5] "09:BHOLA"        "10:BOGRA"        "12:BRAHMANBARIA" "13:CHANDPUR"
 [9] "15:CHITTAGONG"   "18:CHUADANGA"    "19:COMILLA"      "22:COX'S BAZAR"
[13] "26:DHAKA"        "27:DINAJPUR"     "29:FARIDPUR"     "30:FENI"
[17] "32:GAIBANDHA"    "33:GAZIPUR"      "35:GOPALGANJ"    "36:HABIGANJ"
[21] "38:JOYPURHAT"    "39:JAMALPUR"     "41:JESSORE"      "42:JHALOKATI"
[25] "44:JHENAIDAH"    "46:KHAGRACHHARI" "47:KHULNA"       "48:KISHORGONJ"
[29] "49:KURIGRAM"     "50:KUSHTIA"      "51:LAKSHMIPUR"   "52:LALMONIRHAT"
[33] "54:MADARIPUR"    "55:MAGURA"       "56:MANIKGANJ"    "57:MEHERPUR"
[37] "58:MAULVIBAZAR"  "59:MUNSHIGANJ"   "61:MYMENSINGH"   "64:NAOGAON"
[41] "65:NARAIL"       "67:NARAYANGANJ"  "68:NARAYANGANJ"  "69:NATORE"
[45] "70:NAWABGANJ"    "72:NETRAKONA"    "73:NILPHAMARI"   "75:NOAKHALI"
[49] "76:PABNA"        "77:PANCHAGARH"   "78:PATUAKHALI"   "79:PIROJPUR"
[53] "81:RAJSHAHI"     "82:RAJBARI"      "84:RANGAMATI"    "85:RANGPUR"
[57] "86:SHARIATPUR"   "87:SATKHIRA"     "88:SIRAJGANJ"    "89:SHERPUR"
[61] "90:SUNAMGANJ"    "91:SYLHET"       "93:TANGAIL"      "94:THAKURGAON"
```

Note: Both "68:NARAYANGANJ" and "68:NARSINGDI" are used for the same district in PSU list. So, the latter is dropped.

◆ Relationship between 6 Divisions and Districts

The number of psu by division and district

```
> d$division<-paste(d$div,d$div_name,sep=":")
```

```
> d$district<-paste(d$zila,d$zl_name,sep=":")
> table(d$district,d$division)
```

	10:BARISAL	20:CHITTAGONG	30:DHAKA	40:KHULNA	50:RAJSHAHI	60:SYLHET
01:BAGERHAT	0	0	0	8	0	0
03:BANDARBAN	0	7	0	0	0	0
04:BARGUNA	8	0	0	0	0	0
06:BARISAL	10	0	0	0	0	0
09:BHOLA	8	0	0	0	0	0
10:BOGRA	0	0	0	0	12	0
12:BRAHMANBARIA	0	10	0	0	0	0
13:CHANDPUR	0	9	0	0	0	0
15:CHITTAGONG	0	24	0	0	0	0
18:CHUADANGA	0	0	0	8	0	0
19:COMILLA	0	15	0	0	0	0
22:COX'S BAZAR	0	6	0	0	0	0
26:DHAKA	0	0	20	0	0	0
27:DINAJPUR	0	0	0	0	10	0
29:FARIDPUR	0	0	8	0	0	0
30:FENI	0	8	0	0	0	0
32:GAIBANDHA	0	0	0	0	8	0
33:GAZIPUR	0	0	12	0	0	0
35:GOPALGANJ	0	0	8	0	0	0
36:HABIGANJ	0	0	0	0	0	9
38:JOYPURHAT	0	0	0	0	6	0
39:JAMALPUR	0	0	10	0	0	0
41:JESSORE	0	0	0	12	0	0
42:JHALOKATI	8	0	0	0	0	0
44:JHENAIDAH	0	0	0	9	0	0
46:KHAGRACHHARI	0	7	0	0	0	0
47:KHULNA	0	0	0	13	0	0
48:KISHORGONJ	0	0	10	0	0	0
49:KURIGRAM	0	0	0	0	9	0
50:KUSHTIA	0	0	0	9	0	0
51:LAKSHMIPUR	0	7	0	0	0	0
52:LALMONIRHAT	0	0	0	0	6	0

54:MADARIPUR	0	0	7	0	0	0
55:MAGURA	0	0	0	8	0	0
56:MANIKGANJ	0	0	8	0	0	0
57:MEHERPUR	0	0	0	7	0	0
58:MAULVIBAZAR	0	0	0	0	0	11
59:MUNSHIGANJ	0	0	6	0	0	0
61:MYMENSINGH	0	0	22	0	0	0
64:NAOGAON	0	0	0	0	9	0
65:NARAIL	0	0	0	7	0	0
67:NARAYANGANJ	0	0	12	0	0	0
68:NARAYANGANJ	0	0	4	0	0	0
68:NARSINGDI	0	0	6	0	0	0
69:NATORE	0	0	0	0	8	0
70:NAWABGANJ	0	0	0	0	6	0
72:NETRAKONA	0	0	8	0	0	0
73:NILPHAMARI	0	0	0	0	7	0
75:NOAKHALI	0	10	0	0	0	0
76:PABNA	0	0	0	0	10	0
77:PANCHAGARH	0	0	0	0	7	0
78:PATUAKHALI	8	0	0	0	0	0
79:PIROJPUR	7	0	0	0	0	0
81:RAJSHAHI	0	0	0	0	18	0
82:RAJBARI	0	0	8	0	0	0
84:RANGAMATI	0	7	0	0	0	0
85:RANGPUR	0	0	0	0	11	0
86:SHARIATPUR	0	0	6	0	0	0
87:SATKHIRA	0	0	0	9	0	0
88:SIRAJGANJ	0	0	0	0	10	0
89:SHERPUR	0	0	8	0	0	0
90:SUNAMGANJ	0	0	0	0	0	11
91:SYLHET	0	0	0	0	0	12
93:TANGAIL	0	0	14	0	0	0
94:THAKURGAON	0	0	0	0	6	0

Remarks: Relationship between 7 divisions and districts

- Divisions in the data set rt001

```
> df<-outfiles[[1]]
> dim(df)
[1] 12240   151
> table(df$region)
  10   20   30   40   50   55   60
 980 2200 3540 1800 1580 1280  860
```

- Relationship between 7 divisions and 6 divisions

```
> d<-read.dta("hies_sam.dta")
> df<-merge(df,d,by="psu",all.x=T)
> table(df$region,df$div)
       10   20   30   40   50   60
  10  980    0    0    0    0    0
  20    0 2200    0    0    0    0
  30    0    0 3540    0    0    0
  40    0    0    0 1800    0    0
  50    0    0    0    0 1580    0
  55    0    0    0    0 1280    0
  60    0    0    0    0    0  860
```

- Relationship between the divided divisions and districts

```
> df50<-subset(df,div==50)
> table(df50$district,df50$region)
      50  55
  10 240   0
  27   0 200
  32   0 160
  38 120   0
  49   0 180
  52   0 120
  64 180   0
  69 160   0
```

70	120	0
73	0	140
76	200	0
77	0	140
81	360	0
85	0	220
88	200	0
94	0	120

- Lists of occupation code and industry code are not available.

☐ **IHSN**

http://catalog.ihsn.org/index.php/catalog/2257/ (Accessed on 23 April 2016)

Survey report	Report on The Household Income and Expenditure Survey 2010
Questionnaires	Household Income and Expenditure Survey 2010 - Questionnaire
Micro data set	In addition to rt001 to rt020, the data file of "hhold_exp_hies2010" (12,240 records and 25 variables) is listed, which includes the variables of monthly household income and monthly household consumption.

3.3 Key findings

The survey report includes the next table of key findings;

NOTE: Errors in key findings

The figures in 17. Expenditure should be read as the next, according to the Table 4.7 (page 38) of the survey report.

17. Expenditure (taka per month)				
Food expenditure per h/h		HIES 2010		
		Total	Rural	Urban
	errors	~~2,491~~	~~2,122~~	~~3,526~~
	to be read as	**6,031**	**5,543**	**7,362**

KEY FINDINGS

Key Findings	HIES 2010			HIES 2005		
	Total	Rural	Urban	Total	Rural	Urban
1	2	3	4	5	6	7
1. Total sample household	**12,240**	**7,840**	**4,400**	**10,080**	**6,400**	**3,680**
2.Total household (Million)	**33.03**	**24.17**	**8.86**	**28.64**	**21.38**	**7.26**
Male headed	28.44	20.57	7.87	25.70	19.09	6.61
Female headed	4.59	3.60	0.99	2.93	2.28	0.65
3. Total population (million)	**148.49**	**109.46**	**39.03**	**138.82**	**104.50**	**34.32**
Male	73.57	54.05	19.52	69.85	52.77	17.07
Female	74.91	55.41	19.50	68.97	51.72	17.25
Sex ratio	98.21	97.54	100.12	101.27	102.04	98.99
4. Average household size	**4.50**	**4.53**	**4.41**	**4.85**	**4.89**	**4.72**
5. Number of household by size (in million)						
1 member	0.80	0.66	0.14	0.60	0.50	0.10
2-3 member	9.04	6.45	2.59	6.51	4.74	1.77
4-5 member	15.37	11.13	4.24	12.70	9.26	3.44
6+ member	7.82	5.93	1.89	8.83	6.88	1.95
6. Number of household by number of earner (in million)						
0 earner	3.03	2.36	0.67	2.11	1.73	0.38
1 earner	20.30	15.21	5.10	16.86	12.78	4.08
2 earner	7.01	4.77	2.23	6.60	4.71	1.89
3+ earner	2.68	1.83	0.85	3.07	2.16	0.91
7. Housing structure (head of households) roof material (percent)						
Brick/Cement	10.37	3.65	28.71	7.69	2.07	24.24
CIS/wood	81.52	86.38	68.28	82.25	85.84	71.68
Straw/hay/bamboo/others	8.11	9.97	3.01	10.06	12.09	4.08
8. Housing structure (head of households) Wall material (percent)						
Brick/Cement	25.12	13.59	56.59	19.63	9.92	48.23
CIS/Brick/Wood	38.46	43.24	25.40	35.53	38.14	27.87
Mud/unburnt brick	16.72	20.57	6.22	18.05	22.15	5.97
Hay/bamboo/leaf/others	19.71	22.60	11.78	26.79	29.79	17.93
9. Source of drinking water (percent)						
Supply	10.62	1.47	35.57	7.63	0.54	28.49
Tube well	85.37	94.97	59.18	89.04	95.28	70.70
Others*	4.01	3.56	5.04	3.33	4.18	0.81
10. Electricity (percent)	**55.26**	**42.49**	**90.10**	**44.23**	**31.19**	**82.61**

Key Findings	HIES 2010			HIES 2005		
	Total	Rural	Urban	Total	Rural	Urban
1	2	3	4	5	6	7
11. Toilet facilities (percent)						
Sanitary/Pucca	51.05	41.87	76.12	51.74	41.53	80.65
Katcha	44.54	52.39	23.11	36.95	43.99	16.22
Open space/others	4.40	5.73	0.77	11.56	14.44	3.09
12. Main occupation (percent)						
Agriculture/Forestry/Fisheries	36.1	46.4	8.3	47.5	57.6	12.2
Non-agricultural	63.9	53.4	91.7	52.5	42.4	87.8
13. School enrollment CNB (Lower poverty line)						
Aged 6-10 years						
Poor	78.33	78.48	77.54	72.35	72.71	69.90
Noon-poor	89.00	87.92	91.71	84.40	83.32	87.61
Aged 11-15						
Poor	70.20	72.28	60.75	53.92	53.65	55.39
Noon-poor	85.52	85.25	86.21	75.04	72.52	73.62
14. Type of school attended						
Government	81.64	83.59	75.18	81.55	82.89	77.97
Govt. subsidised	11.89	10.25	17.33	11.85	10.34	16.01
Non-government & others	6.46	6.16	7.49	6.60	6.77	6.02
15. Income accruing to: (taka per household per month) (Household expenditure scall)						
Top 5% household	35,695	27,818	39,717	33471	25044	47447
Bottom 5% household	5,149	5,138	5,284	1605	1485	2113
16. Income (taka per month)						
Income per household	11,479	9,648	16,475	7203	9095	10463
Income per earner	8,795	7,592	11,778	5145	4449	6975
Income per capita	2,553	2,130	3,741	1485	1246	2217
17. Expenditure (taka per month)						
Total expenditure per h/h	11,200	9,612	15,531	6134	5319	8533
Consum. expen. per h/h	11,003	9,436	15,276	5964	5165	8315
Food expen. per h/h	2,491	2,122	3,526	3209	3023	3756
18. Share of food expenditure on						
Total expenditure	53.85	57.67	47.40	52.31	56.83	44.02
Consum. expenditure	54.81	58.74	48.19	53.81	58.54	45.17

Key Findings	HIES 2010			HIES 2005		
	Total	Rural	Urban	Total	Rural	Urban
1	2	3	4	5	6	7
19. Food Intake (gram per capita per day)						
Cereals	463.9	485.6	402.9	469.2	485.6	419.3
Pulse	14.3	13.2	17.2	14.2	12.7	18.6
Vegetable	166.1	170.0	155.0	157.0	156.5	158.7
Fish	49.5	45.8	59.9	42.1	39.7	49.6
Meat	19.0	14.7	33.3	20.8	17.6	30.7
Egg	7.2	5.8	10.9	5.2	4.4	7.4
Milk & Milk product	33.7	31.8	39.2	32.4	31.0	36.6
Fruit	44.7	42.6	50.4	32.5	32.4	32.9
Protein	66.26	65.24	69.11	62.52	61.74	64.88
Calorie (K.cal/capita/day)	2318.3	2344.6	2244.5	2238.5	2253.2	2193.8
20. Incidence of poverty CBN method						
Lower Poverty Line						
Head count (%)	17.6	21.1	7.7	25.1	28.6	14.7
Poverty gap	3.1	3.7	1.3	4.6	5.3	2.6
Squared poverty gap	0.8	1.0	0.4	1.3	1.5	0.7
Upper Poverty Line						
Head count (%)	31.5	35.2	21.3	40.0	43.8	28.4
Poverty gap	6.5	7.4	4.3	9.0	9.8	6.5
Squared poverty gap	9.0	2.2	1.3	2.9	3.1	2.1
21. Incidence of poverty and literacy of head of household CBN method						
Lower Poverty Line						
Literate	9.2	12.4	3.9	12.3	15.3	6.7
Illiterate	25.1	27.2	15.6	36.3	37.5	29.9
Upper Poverty Line						
Literate	19.0	23.3	11.4	23.0	27.0	15.7
Illiterate	42.8	43.5	39.4	54.7	55.1	52.3
22. Poverty incidence and sex of head of household CBN method						
Lower Poverty Line						
Male	17.9	21.5	7.9	25.4	29.0	14.5
Female	14.6	17.3	5.5	21.9	23.6	16.2
Upper Poverty Line						
Male	32.1	35.9	21.7	40.8	44.9	28.7
Female	26.6	29.3	17.5	29.5	31.0	24.4

Key Findings	HIES 2010			HIES 2005		
	Total	Rural	Urban	Total	Rural	Urban
1	2	3	4	5	6	7
23. Poverty incidence and age of head of household CBN method						
Lower Poverty Line						
<= 29	19.4	22.8	9.1	30.2	34.0	20.1
30-39	21.6	26.4	9.3	32.1	37.8	16.4
40-49	17.3	21.2	7.3	26.0	29.8	15.0
50-59	13.7	16.9	5.4	19.7	22.4	11.9
60+	15.6	17.6	8.0	18.3	19.9	11.0
Upper Poverty Line						
<= 29	35.6	39.5	24.1	45.9	50.1	34.6
30-39	37.0	42.0	24.1	47.7	52.4	34.9
40-49	31.4	34.9	22.4	40.7	45.8	26.1
50-59	25.8	29.4	16.4	33.5	37.7	21.5
60+	28.1	30.5	19.2	31.1	34.4	27.3
24. Percent of household receiving benefit from Social Safety Nets Programme	24.57	30.12	9.42	13.06	15.64	5.45

HIES-2010

25. Percent of household reporting migration	Total	Rural	Urban
Total	12.28	13.72	8.33
Within country	3.97	4.84	1.62
Abroad	8.60	9.25	6.85
26. Percent of household reporting			
Opening new bank account	7.41	5.05	13.85
Deposited money in micro/Financial institution	14.51	15.94	10.61
Deposited money for saving in any Informal Financial Institution	5.64	5.80	5.22
Received Loan from Financial Inst. friends, etc.	32.03	35.08	23.70
27. Average Amount of Loan Taken per household	28,062	21,804	54,122
28. Percent of household who faced any kind of crisis	0.84	1.03	0.30
29. Percent of disabled person (Net) HIES-2010	9.07	9.63	7.49
30. Disability: Intensity of difficulty (Percent) 2010	Some	Severe	Fully Unable
(a) Eye Sight	5.58	0.53	0.08
(b) Hearing	1.93	0.33	0.06
(c) Walking & Climbing	1.84	0.53	0.07
(d) Remembering & Concentrating	0.94	0.24	0.08
(e) Self care	0.57	0.30	0.08
(f) Speaking & Communicating	0.52	0.24	0.09

4. Data import

4.1 Import STATA data files into R

```
> STATA.files<-list.files()[3:22]
> STATA.files
 [1] "rt001.dta" "rt002.dta" "rt003.dta" "rt004.dta" "rt005.dta" "rt006.dta"
 [7] "rt007.dta" "rt008.dta" "rt009.dta" "rt010.dta" "rt011.dta" "rt012.dta"
[13] "rt013.dta" "rt014.dta" "rt015.dta" "rt016.dta" "rt017.dta" "rt018.dta"
[19] "rt019.dta" "rt020.dta"

# Imported STATA files into R
> library(foreign)
> outfiles<-list()
> for(j in 1:20){
+ outfiles<-c(outfiles,list(read.dta(STATA.files[j],convert.factors=F)))
+ }
> length(outfiles)
[1] 20
# 20 R data frames were stored in the list  “outfiles”.

# Made list of data file names, number of records and variables
> for(j in 1:20){
+ cat(STATA.files[j],": ",dim(outfiles[[j]]),"¥n")
+ }
rt001.dta :  12240 151
rt002.dta :  55580 149
rt003.dta :  18067 28
rt004.dta :  3497 35
rt005.dta :  220012 13
rt006.dta :  186980 19
rt007.dta :  80424 11
rt008.dta :  72327 9
rt009.dta :  25241 9
rt010.dta :  45643 7
```

rt011.dta : 247753 7

rt012.dta : 228631 11

rt013.dta : 2100 21

rt014.dta : 5137 16

rt015.dta : 438559 62

rt016.dta : 200008 13

rt017.dta : 362670 7

rt018.dta : 285162 6

rt019.dta : 830454 5

rt020.dta : 341813 8

4.2 Generated list of variable names in each data frame

NAMING RULE OF VARIABLES

1. **In principle, the variable name corresponds to the combination of the section number of the questionnaire and the question number.**

2. **If the variable label differs from the variable name in the following list, the variable label corresponds to the questionnaire.**

For instance, in the next case of rt003, the variable of s04b_q_3 means the question of s04b_q05t in Section 4 of the questionnaire.

```
###  rt003.dta  ###
   variable   question
24 s04b_q_3   s04b_q05t: What was the total price received per day? taka
```

So, the variable label is proper for data dictionary. Regardless of lack of codebook, the next list will take a role of codebook.

```
> 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### ",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(length(cb[[j]])==3){  # including value labels
+   t<-cb[[j]]$vallabel
+   for(k in 1:length(t)){
+   cat(rep(" ",10),format(t[k],width=3),format(names(t)[k],width=30),"¥n")
+   } # end of for
+ } # end of if
+ } # end of for j
+ } # end of for k
```

rt001.dta

1	stratum	Stratum
2	psu	Primary Sampling Unit
3	hhold	Household Number
4	team	
5	term	
6	region	Division
7	district	District code
8	thana	Upazila
9	union	Union code
10	mouza	Mouza Code
11	spc	Rural/Urban(Municipality+SMA)
12	urbanrur	
13	wgt	Weight
14	s06a_q01	id code of the respondent
15	s06a_q02	How many rooms occupy?
16	s06a_q03	Your dwelling possesa separate dining
17	s06a_q04	Your dwelling possesa separate kitchan
18	s06a_q05	Material of the walls
19	s06a_q06	Material of the roof
20	s06a_q07	Total usable space (Sq.feet)
21	s06a_q08	What type of latrine?
22	s06a_q09	Main sousce of drinking water
23	s06a_q10	Tubwell tested for arsenic
24	s06a_q11	Was Arsenic found?
25	s06a_q12	Alternative source of drinking water
26	s06a_q13	Source of water for other use
27	s06a_q14	Electricity connection
28	s06a_q15	How many hours you have electicity?
29	s06a_q16	Mobile phone
30	s06a_q17	Landline phone connection
31	s06a_q18	Coumputer
32	s06a_q19	Access to internet
33	s06a_q20	How you access the internet?
34	s06a_q21	Present occupancy ststus
35	s06a_q22	Amount you need to buy/build such house
36	s07a_q01	Total cultivable land owned. decimals
37	s07a_q02	total homestead land? decimals
38	s07a_q03	Total not uncultivated land? decimals
39	s07a_q04	Total agriculture land rented out? decimals
40	s07a_q05	Total cultivable land rented out? decimals
41	s07a_q06	Total operating land? decimals
42	s07b_q01	Did any member cultivated any land for crop...
43	s07c_q01	Household raise any livestock
44	s07c_q09	Household engage in any fishing
45	s07c_q13	Household engage in any farm forestry
46	s08a_q01	Own any unused land?
47	s08a_q_1	Amount of unused land? decimals
48	s08a_q02	present price of your own land?
49	s08a_q03	household purchased any land in last 12 months
50	s08a_q04	Cost of purchasing this land?
51	s08a_q05	Did your household purchase any house?
52	s08a_q06	Cost of purchasing this house?
53	s08a_q07	Household own other assets
54	s08a_q08	What is the total value of such assets?
55	s08a_q09	Household purchased any assets in last 12 months

56	s08a_q10	What was the cost of such purchase?
57	s08a_q11	Household sold any assets
58	s08a_q12	How much household received from selling
59	s08b_q01	Income from rent of land (share cropping)
60	s08b_q02	Income from rent of other property
61	s08b_q03	income from Life insurance
62	s08b_q_1	income from Health insurance
63	s08b_q_2	income from General insurance
64	s08b_q04	Profit and dividend received
65	s08b_q05	Lottery or similary income in cash or in-kind
66	s08b_q06	Gift, Charity or other received? In cash
67	s08b_q07	Gift, Charity or other received? In-kind
68	s08b_q08	Remittances received from within the country
69	s08b_q09	Remittances received from outside the country
70	s08b_q10	Where did you invast remittance money
71	s08b_q11	Pension, Gratuity, other benefit received
72	s08b_q12	Profit,Interest received
73	s08b_q13	Other cash or in-kind received
74	s08c_q01	Any member of household migrated?
75	s08c_q02	Household received remittances from outside?
76	s08d_q01	Any member opened bank account?
77	s08d_q02	Any member deposited in any credit union?
78	s08d_q03	Any member deposited in non-inst. group?
79	s08d_q04	Any member borrowed money
80	s09a1d01	Number of boys
81	s09a1d_1	Number of girls
82	s09a1d_2	Number of men
83	s09a1d_3	Number of women
84	s09a1d_4	Date
85	s09a1d02	Number of boys
86	s09a1d_5	Number of girls
87	s09a1d_6	Number of men
88	s09a1d_7	Number of women
89	s09a1d_8	Date
90	s09a1d03	Number of boys
91	s09a1d_9	Number of girls
92	s09a1_10	Number of men
93	s09a1_11	Number of women
94	s09a1_12	Date
95	s09a1d04	Number of boys
96	s09a1_13	Number of girls
97	s09a1_14	Number of men
98	s09a1_15	Number of women
99	s09a1_16	Date
100	s09a1d05	Number of boys
101	s09a1_17	Number of girls
102	s09a1_18	Number of men
103	s09a1_19	Number of women
104	s09a1_20	Date
105	s09a1d06	Number of boys
106	s09a1_21	Number of girls
107	s09a1_22	Number of men
108	s09a1_23	Number of women
109	s09a1_24	Date
110	s09a1d07	Number of boys
111	s09a1_25	Number of girls

```
112 s09a1_26   Number of men
113 s09a1_27   Number of women
114 s09a1_28   Date
115 s09a1d08   Number of boys
116 s09a1_29   Number of girls
117 s09a1_30   Number of men
118 s09a1_31   Number of women
119 s09a1_32   Date
120 s09a1d09   Number of boys
121 s09a1_33   Number of girls
122 s09a1_34   Number of men
123 s09a1_35   Number of women
124 s09a1_36   Date
125 s09a1d10   Number of boys
126 s09a1_37   Number of girls
127 s09a1_38   Number of men
128 s09a1_39   Number of women
129 s09a1_40   Date
130 s09a1d11   Number of boys
131 s09a1_41   Number of girls
132 s09a1_42   Number of men
133 s09a1_43   Number of women
134 s09a1_44   Date
135 s09a1d12   Number of boys
136 s09a1_45   Number of girls
137 s09a1_46   Number of men
138 s09a1_47   Number of women
139 s09a1_48   Date
140 s09a1d13   Number of boys
141 s09a1_49   Number of girls
142 s09a1_50   Number of men
143 s09a1_51   Number of women
144 s09a1_52   Date
145 s09a1d14   Number of boys
146 s09a1_53   Number of girls
147 s09a1_54   Number of men
148 s09a1_55   Number of women
149 s09a1_56   Date
150 s09b1w1_   Date
151 s09b1w2_   Date


###  rt002.dta  ###
 1 psu        Primary sampling unit
 2 hhold      household
 3 idcode     personal identification code
 4 resid1a    respondent identification code - section 1.a
 5 s01a_q01   s01a_q01: name   (to be deleted)
 6 s01a_q02   s01a_q02: sex
 7 s01a_q03   s01a_q03: relationship to head
 8 s01a_q04   s01a_q04: age in years
 9 s01a_q05   s01a_q05: religion
10 s01a_q06   s01a_q06: marital status
11 s01a_q07   s01a_q07: earner
12 s01a_q08   s01a_q07: spouse ID
13 s01a_q09   s01a_q09: father id
```

14	s01a_q10	s01a_q10: mother id
15	s01a_q11	s01a_q11: Lived abroad more than 6 m?
16	s01a_q12	s01a_q12: why did return?
17	s01b_q01	s01b_q01: did work for livelihood during last 7 days?
18	s01b_q02	s01b_q02: was avaible for work during last 7 days?
19	s01b_q03	s01b_q03: did look for work during last 7 days
20	s01b_q04	s01b_q04: Reason for not looking for work
21	resid1c	respondent identification code - section 1.c
22	s01c_q01	s01c_q01: has benefitted from social safety?
23	s01c_q02	s01c_q02: In what program has been included?
24	s01c_q03	s01c_q03m: when enlisted (month)
25	s01c_q_1	s01c_q03y: when enlisted (year)
26	s01c_q04	s01c_q04t: how much entitled cash (taka)
27	s01c_q_2	s01c_q04m: how much entitled in kind (code of item)
28	s01c_q_3	s01c_q04k: how much entitled in kind (kg)
29	s01c_q05	s01c_q05t: how much actually received in cash?
30	s01c_q_4	s01c_q05n: how much actually received in kind (code of item)
31	s01c_q_5	s01c_q05k: how much actually received in kind (kg)
32	s01c_q06	s01c_q06: amount spent for inclusion
33	s01c_q07	s01c_q07: cause why not included
34	resid2a	respondent identification code - section 2.a
35	s02a_q03	s02a_q03: can read a letter?
36	s02a_q04	s02a_q04: can write a letter?
37	s02a_q05	s02a_q05: highest class passed
38	s02a_q06	s02a_q06: where attended/attending?
39	s02a_q07	s02a_q07: what type of school attended/attending?
40	resid2b	respondent identification code - section 2.b
41	s02b_q01	s02b_q01: are you attending education institution?
42	s02b_q02	s02b_q02: what class attending?
43	s02b_q03	s02b_q03: receiving stipend for primary?
44	s02b_q04	s02b_q04: how much you received in 12 m?
45	s02b_q05	s02b_q05: receiving secondary stipend?
46	s02b_q06	s02b_q06: how much received in 12 m?
47	s02b_q07	s02b_q07: received benefit in the tuition waiver?
48	s02b_q08	s02b_q08a: Amount spent on admission
49	s02b_q_1	s02b_q08b: Amount spent on annual session fee
50	s02b_q_2	s02b_q08c: Amount spent on registration
51	s02b_q_3	s02b_q08d: Amount spent on examination fee
52	s02b_q_4	s02b_q08e: Amount spent on tuituion fee
53	s02b_q_5	s02b_q08f: Amount spent on text books
54	s02b_q_6	s02b_q08g: Amount spent on exercise books
55	s02b_q_7	s02b_q08h: Amount spent on uniform
56	s02b_q_8	s02b_q08i: Amount spent on private tution
57	s02b_q_9	s02b_q08j: Amount spent on hostel/mess
58	s02b__10	s02b_q08k: Amount spent on conveyance
59	s02b__11	s02b_q08l: Amount spent on tiffin
60	s02b__12	s02b_q08l: Amount spent on internet/e-mail
61	s02b__13	s02b_q08n: Amount spent on schooling donation
62	s02b__14	s02b_q08o: Amount spent on schooling other
63	s02b__15	s02b_q08p: Amount spent on schooling total
64	s03a_q01	s03a_q01: have suffered chronic illness?
65	s03a_q02	s03a_q02: what chronic illness? 1
66	s03a_q_1	s03a_q02: what chronic illness? 2
67	s03a_q03	s03a_q03y: for how long had illness? (years)
68	s03a_q_2	s03a_q03m: for how long had illness? (months)
69	s03a_q04	s03a_q04: have suffered illness in last 30 days?

70 s03a_q05 s03a_q05_1: what type of illness? 1
71 s03a_q_3 s03a_q05_2: what type of illness? 2
72 s03a_q_4 s03a_q05_3: what type of illness? 3
73 s03a_q06 s03a_q06: have sought medical treatment?
74 s03a_q07 s03a_q07: If not why not?
75 s03a_q08 s03a_q08_1: If yes who was consulted (1st)
76 s03a_q_5 s03a_q08_2: who was consulted (2nd)
77 s03a_q09 s03a_q09: After how many days began consultation?
78 s03a_q10 s03a_q10: From where got medicines?
79 s03a_q11 s03a_q11: did you pay for the medicines?
80 s03a_q12 s03a_q12: how did travel to rervice provider?
81 s03a_q13 s03a_q13h: how much time it took? (hour)
82 s03a_q_6 s03a_q13m: how much time it took? (minutes)
83 s03a_q14 s03a_q14h: how long you had to wait? (hour)
84 s03a_q_7 s03a_q14m: how long you had to wait? (minutes)
85 s03a_q15 s03a_q15: why you chose this provider?
86 s03a_q16 s03a_q16: Did provider give enough time for you?
87 s03a_q17 s03a_q17a: Amount paid for consultation/visit
88 s03a_q_8 s03a_q17b: Amount paid for hospital/clinic
89 s03a_q_9 s03a_q17c: Amount paid for medicines
90 s03a__10 s03a_q17d: Amount paid for cost of test/investigation
91 s03a__11 s03a_q17e: Amount paid for conveyance
92 s03a__12 s03a_q17f: Amount paid for tips on
93 s03a__13 s03a_q17g: Amount paid for other services
94 s03a__14 s03a_q17hc: total cost of treatment? (maternity clinic)
95 s03a__15 s03a_q17hm: total cost of treatment? (maternity midwife)
96 s03a__16 s03a_q17ho: total cost of treatment? (maternity others)
97 s03a__17 s03a_q17t: total cost of treatment? (total cost)
98 s03a_q18 s03a_q18_1: how financed treatment? 1
99 s03a__18 s03a_q18_2: how financed treatment? 2
100 s03a__19 s03a_q18_3: how financed treatment? 3
101 s03b_q01 s03b_q01m: when the child was born? (month)
102 s03b_q_1 s03b_q01y: when the child was born? (year)
103 s03b_q02 s03b_q02: present age of child? (in months)
104 s03b_q03 s03b_q03: has he/she ever been immunized?
105 s03b_q04 s03b_q04: Do you have immunization card?
106 s03b_q05 s03b_q05bcg: bcg?
107 s03b_q_2 s03b_q05dpt1: dpt1?
108 s03b_q_3 s03b_q05dpt2: dpt2?
109 s03b_q_4 s03b_q05dpt3: dpt3?
110 s03b_q_5 s03b_q05p1: polio1?
111 s03b_q_6 s03b_q05p2: polio2?
112 s03b_q_7 s03b_q05p3: polio3?
113 s03b_q_8 s03b_q05m: measles?
114 s03b_q_9 s03b_q05h: hepatitis?
115 s03b_q06 s03b_q06: where was most recent immunization?
116 s03b_q07 s03b_q07: who influenced you to immunize?
117 s03b_q08 s03b_q08: received vitamin-a capsules in last 12m?
118 s03c_q01 s03c_q01: have you ever given birth?
119 s03c_q02 s03c_q02: in what year you gave the last one?
120 s03c_q03 s03c_q03: did you attend prenatal consultations?
121 s03c_q04 s03c_q04: From where you received this care?
122 s03c_q05 s03c_q05: In what month you went first time?
123 s03c_q06 s03c_q06: did you receive tetanus vaccine?
124 s03c_q07 s03c_q07: who assisted with this birth?
125 s03c_q08 s03c_q08: where did you give birth?

126 s03c_q09 s03c_q09: did you visit post-natal checkup?
127 s03c_q10 s03c_q10: where did you go for checkup?
128 s03d_q02 s03d_q02: difficulty seeing?
129 s03d_q03 s03d_q03: how old was when difficulty began?
130 s03d_q04 s03d_q04: what was the cause?
131 s03d_q05 s03d_q05: difficulty hearing?
132 s03d_q06 s03d_q06: how old was when it began?
133 s03d_q07 s03d_q07: what was the cause?
134 s03d_q08 s03d_q08: difficulty walking?
135 s03d_q09 s03d_q09: how old was when it began?
136 s03d_q10 s03d_q10: what was the cause?
137 s03d_q11 s03d_q11: difficulty remembering?
138 s03d_q12 s03d_q12: how old was when it began?
139 s03d_q13 s03d_q13: what was the cause?
140 s03d_q14 s03d_q14: difficulty with self care?
141 s03d_q15 s03d_q15: how old was when it began?
142 s03d_q16 s03d_q16: what was the cause?
143 s03d_q17 s03d_q17: difficulty in comunicating?
144 s03d_q18 s03d_q18: how old was when it began?
145 s03d_q19 s03d_q19: what was the cause?
146 s03d_q20 s03d_q20h: difficulty reduced work at home?
147 s03d_q_1 s03d_q20s: difficulty reduced work at school?
148 s03d_q_2 s03d_q20w: difficulty reduced work at work?
149 s03d_q21 s03d_q21: what measures taken to improve?

rt003.dta
 1 psu   PSU
 2 hhold   household
 3 serial   Activity serial
 4 idcode   Id code
 5 s04a_q01   s04a_q01d: what activities did you do? description
 6 s04a_q_1   s04a_q01o: what activities did you do? occupation code (2-digit)
 7 s04a_q_2   s04a_q01i: what activities did you do? industry code (2-digit)
 8 s04a_q02   s04a_q02: how many month you do this activity?
 9 s04a_q03   s04a_q03: how many days per month?
10 s04a_q04   s04a_q04: how many hours per day?
11 s04a_q05   s04a_q05ru: where did you do this activity? R/U code
12 s04a_q_3   s04a_q05d: where did you do this activity? district code
13 s04a_q06   s04a_q06: what kind of activities?
14 s04a_q07   s04a_q07: what was your work status? agriculture
15 s04a_q08   s04a_q08: whats was your work status? non agri
16 idcode2   Id Code in 4B
17 s04b_q01   s04b_q01: were you paid on daily basis?
18 s04b_q02   s04b_q02_1: highest daily wage in cash?
19 s04b_q_1   s04b_q02_2: lowest daily wage in cash?
20 s04b_q_2   s04b_q02_3: average daily wage in cash?
21 s04b_q03   s04b_q03: Did you receive payments in-kind?
22 s04b_q04   s04b_q04: what type of item received in payment?
23 s04b_q05   s04b_q05kg: how much you received per day? KG
24 s04b_q_3   s04b_q05t: What was the total price received per day? taka
25 s04b_q06   s04b_q06: What type of org. you work for?
26 s04b_q07   s04b_q07: Gross monthly cash remuneration
27 s04b_q08   s04b_q08: Net cash/remuneration take-home monthly?
28 s04b_q09   s04b_q09: Other benefits you received in last 12 months?

rt004.dta

1	psu	psu
2	hhold	household
3	enumber	enterprise number
4	s05a_q01	s05a_q01d: what kind of entreprise? description
5	s05a_q_1	s05a_q01i: what kind of entreprise? industry
6	s05a_q02	s05a_q02_1: ID of member who work in the enterprise?
7	s05a_q_2	s05a_q02_2: ID of member who work in entreprise?
8	s05a_q_3	s05a_q02_3: ID of member who work in an entreprise?
9	s05a_q_4	s05a_q02_4: ID of member who work in an entreprise?
10	s05a_q_5	s05a_q02_5: ID of member who work in an entreprise?
11	s05a_q03	s05a_q03y: for how long has been operating? years
12	s05a_q_6	s05a_q03m: for how long has been operating? months
13	s05a_q04	s05a_q04: where do you operate the entreprise?
14	s05a_q05	s05a_q05: Months the enterprise was operational in the last 12 months?
15	s05a_q06	s05a_q06: what is houselhold's share in this entreprise?
16	s05a_q07	s05a_q07: what is the share of profit?
17	s05a_q08	s05a_q08_1: who are your costumers? 1st
18	s05a_q_7	s05a_q08_2: who are your costumers? 2nd
19	s05a_q09	s05a_q09: is the entreprise registred officially?
20	s05a_q10	s05a_q10_1: Source of finance when established? 1st
21	s05a_q_8	s05a_q10_2: Source of finance when established? 2nd
22	s05b_q11	s05b_q11: Number of salaried persons in the last 12 months
23	s05b_q12	s05b_q12_1: what problems faced in running your business? 1
24	s05b_q_1	s05b_q12_2: what problems faced in running your business? 2
25	s05b_q13	s05b_q13: gross revenues last 12m?
26	s05b_q14	s05b_q14: expenditures on salary/wages last 12m?
27	s05b_q15	s05b_q15: expenditure on rent last 12m?
28	s05b_q16	s05b_q16: expenditure on raw materials last 12m?
29	s05b_q17	s05b_q17: expenditure on fuel, kerosene, electricity.. last 12m?
30	s05b_q18	s05b_q18: value of finished good last 12m?
31	s05b_q19	s05b_q19: other operating expenses last 12m?
32	s05b_q20	s05b_q20: net revenues last 12m
33	s05b_q21	s05b_q21: expenditure on capital goods last 12m?
34	s05b_q22	s05b_q22: sale of assets last 12m?
35	s05b_q23	s05b_q23: What is the selling price of this entreprise?

rt005.dta

1	psu	psu
2	hhold	household
3	shock_co	shock code
4	s06b_q02	s06b_q02: did you experience this shock?
5	s06b_q03	s06b_q03: when did the shock first occur?
6	s06b_q04	s06b_q04: how long did the shock last? (days)
7	s06b_q05	s06b_q05a: was a decline in income?
8	s06b_q_1	s06b_q05b: was a decline in assets?
9	s06b_q_2	s06b_q05c: was a decline in food production?
10	s06b_q_3	s06b_q05d: was a decline in food purchased?
11	s06b_q06	s06b_q06_1: how coped with this shock? 1st
12	s06b_q_4	s06b_q06_2: how coped with this shock? 2nd
13	s06b_q_5	s06b_q06_3: how coped with this shock? 3rd

rt006.dta

```
 1 psu         psu
 2 hhold       household
 3 ln          line number
 4 crop_cod    crop code
 5 s07b_q02    s07b_q02: did you cultivate this crop?
 6 s07b_q03    s07b_q03: how much land you cultivated? decimals
 7 s07b_q04    s07b_q04k: how much crop produced? kg
 8 s07b_q_1    s07b_q04t: price of each KG? taka
 9 s07b_q05    s07b_q05: how much your household consumed?
10 s07b_q06    s07b_q06: how much your household sold?
11 s07b_q07    s07b_q07: how much your household stored?
12 s07b_q08    s07b_q08: how much given to landlord?
13 s07b_q_2    s07b_q08: how much paid for wages?
14 s07b_q_3    s07b_q08: how much used as seed?
15 s07b_q_4    s07b_q08: how much as feed for animals?
16 s07b_q_5    s07b_q08: how much waste?
17 s07b_q_6    s07b_q08: how much in other uses?
18 s07b_q_7    s07b_q08: how much in total?
19 price


###  rt007.dta  ###
 1 psu         psu
 2 hhold       household
 3 liv_code    livestock code
 4 s07c_q02    s07c_q02n: how many of them you have? number
 5 s07c_q_1    s07c_q02t: Total value of them? taka
 6 s07c_q03    s07c_q03n: how many born/purchased? number
 7 s07c_q_2    s07c_q03t: Total value of them? taka
 8 s07c_q04    s07c_q04n: how many died/sell? number
 9 s07c_q_3    s07c_q04t: Total value of them? taka
10 s07c_q05    s07c_q05n: how many household consume? number
11 s07c_q_4     Total value of them? taka


###  rt008.dta  ###
 1 psu         psu
 2 hhold       household
 3 prod_cod    product code
 4 s07c_q06    s07c_q06q: how much produced? quantity
 5 s07c_q_1    s07c_q06t: value? taka
 6 s07c_q07    s07c_q07q: how much did you sell? quantity
 7 s07c_q_2    s07c_q07t: value? taka
 8 s07c_q08    s07c_q08q: how much did you consume? quantity
 9 s07c_q_3    s07c_q08t: value? taka


###  rt009.dta  ###
 1 psu         psu
 2 hhold       household
 3 fish_act    code fishing
 4 s07c_q10    s07c_q10kg: how much you produce? kg
 5 s07c_q_1    value? taka
 6 s07c_q11    s07c_q11kg: how much your household sold? kg
 7 s07c_q_2    s07c_q11t: value? taka
 8 s07c_q12    s07c_q12kg: how much your household consumed? kg
```

```
 9 s07c_q_3    value? kg


###  rt010.dta  ###
 1 psu         psu
 2 hhold       household
 3 forestry    code forestry
 4 s07c_q14    s07c_q14n: how many trees? no.
 5 s07c_q_1    s07c_q14t: value? taka
 6 s07c_q15    s07c_q15: value of trees sold? taka
 7 s07c_q16    s07c_q16: value of trees consumed? taka


###  rt011.dta  ###
 1 psu         psu
 2 hhold       household
 3 ln          line number
 4 exp_agri     agric code of the sector
 5 s07d_q01    s07d_q01: did your household spend any money on...?
 6 s07d_q02    s07d_q02kg: how much your household spend? kg
 7 s07d_q_1    s07d_q02t: household spend? taka


###  rt012.dta  ###
 1 psu         psu
 2 hhold       household
 3 ln          line number
 4 agric_as    agricultural asset code
 5 s07e_q01    s07e_q01n: how many of them do you own? no.
 6 s07e_q_1    s07e_q01t: value? taka
 7 s07e_q02    s07e_q02n: how many your household bought? no.
 8 s07e_q_2    s07e_q02t: value? taka
 9 s07e_q03    s07e_q03n: how many your household sold? no.
10 s07e_q_3    s07e_q03t: value? taka
11 s07e_q04    s07e_q04: how much household earned from rental? taka


###  rt013.dta  ###
 1 psu         psu
 2 hhold       household
 3 migrant_    migrant number
 4 s08c_q03    s08c_q03: name
 5 s08c_q04    s08c_q04: relationship to head
 6 s08c_q05    s08c_q05m: how long ago did he/she migrate? months
 7 s08c_q_1    s08c_q05y: how long ago did he/she migrate? years
 8 s08c_q06    s08c_q06: where is working?
 9 s08c_q07    s08c_q07: in-country zila code
10 s08c_q08    s08c_q08: if abroad, write the country code
11 s08c_q09    s08c_q09: age
12 s08c_q10    s08c_q10: sex
13 s08c_q11    s08c_q11: level of education
14 s08c_q12    s08c_q12: occupation
15 s0bc_q13    s0bc_q13: how many times he/she sent money?
16 s08c_q14    s08c_q14: total amount of money sent?
17 s08c_q15    s08c_q15: how he/she sent money?
18 s08c_q16    s08c_q16_1: goods that he/she sent 1 (code)
```

```
19 s08c_q_2   s08c_q16_2: goods that he/she sent 2 (code)
20 s08c_q_3   s08c_q16_3: goods that he/she sent 3 (code)
21 s08c_q17   s08c_q17: total value of goods that he/she sent?


###  rt014.dta  ###
 1 psu        psu
 2 hhold      household
 3 loan_num   loan number
 4 idcode     id code
 5 s08d_q05   s08d_q05: what was the source of this credit?
 6 s08d_q06   s08d_q06: how much money was borrowed?
 7 s08d_q07   s08d_q07: how long is the payment period?
 8 s08d_q08   s08d_q08m: interest applied per month
 9 s08d_q_1   s08d_q08y: interest applied per year
10 s08d_q09   s08d_q09f: how often you make payments? frequency
11 s08d_q_2   s08d_q09a: how often you make payments? amount
12 s08d_q10   s08d_q10: completed repayment?
13 s08d_q11   s08d_q11: amount of unpaid loan?
14 s08d_q12   s08d_q12: what was the purpose of loan?
15 s08d_q13   s08d_q13: would you like to borrow more money?
16 s08d_q14   s08d_q14: how much would you want to borrow?


###  rt015.dta  ###
 1 psu        psu
 2 hhold      household
 3 ln         line number
 4 item       food item code
 5 s09a1d01   s09a1d01_qty: quantity
 6 s09a1d_1   s09a1d01_u: unit
 7 s09a1d_2   s09a1d01_v: value
 8 s09a1d_3   s09a1d01_s: major source
 9 s09a1d02   s09a1d02_qty: quantity
10 s09a1d_4   s09a1d02_u: unit
11 s09a1d_5   s09a1d02_v: value
12 s09a1d_6   s09a1d02_s: major source
13 s09a1d03   s09a1d03_qty: quantity
14 s09a1d_7   s09a1d03_u: unit
15 s09a1d_8   s09a1d03_v: value
16 s09a1d_9   s09a1d03_s: major source
17 s09a1d04   s09a1d04_qty: quantity
18 s09a1_10   s09a1d04_u: unit
19 s09a1_11   s09a1d04_v: value
20 s09a1_12   s09a1d04_s: major source
21 s09a1d05   s09a1d05_qty: quantity
22 s09a1_13   s09a1d05_u: unit
23 s09a1_14   s09a1d05_v: value
24 s09a1_15   s09a1d05_s: major source
25 s09a1d06   s09a1d06_qty: quantity
26 s09a1_16   s09a1d06_u: unit
27 s09a1_17   s09a1d06_v: value
28 s09a1_18   s09a1d06_s: major source
29 s09a1d07   s09a1d07_qty: quantity
30 s09a1_19   s09a1d07_u: unit
31 s09a1_20   s09a1d07_v: value
```

```
32 s09a1_21   s09a1d07_s: major source
33 s09a1d08   s09a1d08_qty: quantity
34 s09a1_22   s09a1d08_u: unit
35 s09a1_23   s09a1d08_v: value
36 s09a1_24   s09a1d08_s: major source
37 s09a1d09   s09a1d09_qty: quantity
38 s09a1_25   s09a1d09_u: unit
39 s09a1_26   s09a1d09_v: value
40 s09a1_27   s09a1d09_s: major source
41 s09a1d10   s09a1d10_qty: quantity
42 s09a1_28   s09a1d10_u: unit
43 s09a1_29   s09a1d10_v: value
44 s09a1_30   s09a1d10_s: major source
45 s09a1d11   s09a1d11_qty: quantity
46 s09a1_31   s09a1d11_u: unit
47 s09a1_32   s09a1d11_v: value
48 s09a1_33   s09a1d11_s: major source
49 s09a1d12   s09a1d12_qty: quantity
50 s09a1_34   s09a1d12_u: unit
51 s09a1_35   s09a1d12_v: value
52 s09a1_36   s09a1d12_s: major source
53 s09a1d13   s09a1d13_qty: quantity
54 s09a1_37   s09a1d13_u: unit
55 s09a1_38   s09a1d13_v: value
56 s09a1_39   s09a1d13_s: major source
57 s09a1d14   s09a1d14_qty: quantity
58 s09a1_40   s09a1d14_u: unit
59 s09a1_41   s09a1d14_v: value
60 s09a1_42   s09a1d14_s: major source
61 t          total indicator (auxiliary variable)
62 kcal       kcal per 100 gm or ml


###  rt016.dta  ###
 1 psu        psu
 2 hhold      household
 3 ln         line number
 4 item       food item code
 5 s09b1w1_   s09b1w1_q: quantity
 6 s09b1w_1   s09b1w1_gm: unit
 7 s09b1w_2   s09b1w1_v: value
 8 s09b1w_3   s09b1w1_m: major source
 9 s09b1w2_   s09b1w2_q: quantity
10 s09b1w_4   s09b1w2_gm: unit
11 s09b1w_5   s09b1w2_v: value
12 s09b1w_6   s09b1w2_m: major source
13 kcal       kcal per 100 gm or ml


###  rt017.dta  ###
 1 psu        psu
 2 hhold      household
 3 ln         line number
 4 item       non-food item code
 5 s09c1_q0   s09c1_q01: value of goods received wage/cash?
 6 s09c1__1   s09c1_q02: value of goods produced/gifts?
```

```
 7 s09c1__2    s09c1_q03: sum of col.1 & 2


###  rt018.dta  ###
 1 psu         psu
 2 hhold       household
 3 ln          line number
 4 item        non-food item code
 5 s09d1_q0    s09d1_q01: how many did you buy/produce/receive?No.
 6 s09d1__1    s09d1_q02: what is the value?


###  rt019.dta  ###
 1 psu         psu
 2 hhold       household
 3 ln          line number
 4 item        non-food item code
 5 s09d2_q0    s09d2_q01: what is the value?


###  rt020.dta  ###
 1 psu         psu
 2 hhold       household
 3 ln          line number
 4 dg_code     durable good code
 5 s09e_q01    s09e_q01: owns item?
 6 s09e_q02    s09e_q02: how many do you own?
 7 s09e_q03    s09e_q03: Expected value if want to sell
 8 s09e_q04    s09e_q04: how much did it cost (if bought past 12m)
```

- **rt002 and rt013 include person name, which should be dropped in the resampled micro data.**

4.3 Identifier

- **Household identifier is the combination of psu and hhold.**

```
> d<-outfiles[[1]]
> dim(d)
[1] 12240   151
> head(d[,1:13])
  stratum psu hhold team term region district thana union mouza   spc
1      01 010   002    1    2     10        6     7    33   513 Rural
2      01 010   010    1    2     10        6     7    33   513 Rural
3      01 010   026    1    2     10        6     7    33   513 Rural
4      01 010   038    1    2     10        6     7    33   513 Rural
5      01 010   046    1    2     10        6     7    33   513 Rural
6      01 010   058    1    2     10        6     7    33   513 Rural
  urbanrur     wgt
1        1 2507.01
2        1 2507.01
3        1 2507.01
4        1 2507.01
5        1 2507.01
6        1 2507.01
> hhid<-paste(d$psu,d$hhold,sep="")
> length(unique(hhid))
[1] 12240
> sum(duplicated(hhid))
[1] 0
```

- **Generated hhid for each data frame**

```
> outfiles.save<-outfiles
> for(j in 1:20){
+ d<-outfiles[[j]]
+ d$hhid<-paste(d$psu,d$hhold,sep="")
+ outfiles[[j]]<-d
+ cat(j,":",ncol(d),"¥n")
+ }
# Number of variables for each data frame
1 : 152
2 : 150
3 : 29
4 : 36
5 : 14
6 : 20
7 : 12
8 : 10
9 : 10
10 : 8
11 : 8
12 : 12
13 : 22
14 : 17
15 : 63
16 : 14
17 : 8
```

```
18 : 7
19 : 6
20 : 9

# Example of rt019; outfiles[[19]]
> head(outfiles[[19]])
  psu hhold ln item s09d2_q0   hhid
1 010   002  1  360     2200 010002
2 010   002  2  361      800 010002
3 010   002  6  365      900 010002
4 010   002 12  372      500 010002
5 010   002 14  390     1000 010002
6 010   002 17  393     1000 010002
```

- **Person identifier is the combination of psu, hhold and idcode for rt002 and rt003.**

```
# rt002
> d<-outfiles[[2]]
> d$pid<-paste(d$psu,d$hhold,d$idcode,sep="")
> dim(d)
[1] 55580   151
> head(d[,c(1:5,150,151)])
  psu hhold idcode resid1a      s01a_q01   hhid      pid
1 010   002     01       2 Mofajall gazi 010002 01000201
2 010   002     02       2   paria begum 010002 01000202
3 010   002     03       2         sadia 010002 01000203
4 010   002     04       2  Aminul islam 010002 01000204
5 010   002     05       2       Farjana 010002 01000205
6 010   002     06       2        suraia 010002 01000206
> outfiles[[2]]<-d

The variable of pid is an unique identifier.
> length(unique(pid))
[1] 55580
> sum(duplicated(d$pid))
[1] 0


# rt003
> d<-outfiles[[3]]
> d$pid<-paste(d$psu,d$hhold,formatC(d$idcode,width=2,flag="0"),sep="")
> dim(d)
[1] 18067    30
> head(d[,c(1:5,29,30)])
  psu hhold serial idcode       s04a_q01   hhid      pid
1 010   002     01      1 Service holder 010002 01000201
2 010   002     02      1         Farmer 010002 01000201
3 013   168     01      1       Rickshaw 013168 01316801
4 010   010     01      1      Sales man 010010 01001001
5 010   026     01      3         Labour 010026 01002603
6 010   026     02      2         Labour 010026 01002602
> outfiles[[3]]<-d
```

Remarks: There are 1,821 duplicated pid in rt003. This means that some persons are conducting multiple activities.

```
> sum(duplicated(d$pid))
[1] 1821

Number of persons by the number of activities
> addmargins(table(tapply(d$pid,d$pid,length)))

    1     2     3     4   Sum
14498  1677    69     2 16246
> 14498+1677*2+69*3+2*4
[1] 18067
```

4.4 Weight

- Household weight is included in the data frame “rt001”.

- The estimated number of households is 33.03 million.

```
> d<-outfiles[[1]]
> dim(d)
[1] 12240   152
> sum(d$wgt)
[1] 33028014
```

- The estimated number of household members is 148.49 million.

```
> df<-outfiles[[2]]
> df<-merge(df,d[,c("hhid","wgt")],by="hhid",all.x=T)
> dim(df)
[1] 55580   152
> sum(df$wgt)
[1] 148488530
```

- The estimated household size is 4.50 persons.

```
> nrow(df)/nrow(d)
[1] 4.54085
> sum(df$wgt)/sum(d$wgt)
[1] 4.495836
```

Summary

	Un-weighted	Weighted
Number of households	12,240	33,028,014
Number of household members	55,580	148,488,530
Household size	4.54	4.50

4.5 Total income and expenditure per household

- The variables of household total income and expenditure are not found in the provided data set.

- Table 1 (at page 201) of the survey report indicates that the average monthly income per household is 11479.47 taka, and the average monthly expenditure per household is 11199.59 taka.

5. Data Check

5.1 Structure of each data file

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

## 1 ####  rt001  #########
'data.frame':   12240 obs. of  151 variables:
 $ stratum : chr  "01" "01" "01" "01" ...
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "010" "026" "038" ...
 $ team    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ term    : int  2 2 2 2 2 2 2 2 2 2 ...
 $ region  : int  10 10 10 10 10 10 10 10 10 10 ...
 $ district: int  6 6 6 6 6 6 6 6 6 6 ...
 $ thana   : int  7 7 7 7 7 7 7 7 7 7 ...
 $ union   : int  33 33 33 33 33 33 33 33 33 33 ...
 $ mouza   : int  513 513 513 513 513 513 513 513 513 513 ...
 $ spc     : chr  "Rural" "Rural" "Rural" "Rural" ...
 $ urbanrur: int  1 1 1 1 1 1 1 1 1 1 ...
 $ wgt     : num  2507 2507 2507 2507 2507 ...
 $ s06a_q01: int  2 2 1 2 1 1 2 2 2 1 ...
 $ s06a_q02: int  4 2 3 3 2 3 3 3 6 4 ...
 $ s06a_q03: int  2 1 2 2 1 1 1 1 1 1 ...
 $ s06a_q04: int  1 1 1 2 1 1 1 1 1 1 ...
 $ s06a_q05: int  2 2 2 2 2 2 1 2 2 2 ...
 $ s06a_q06: int  2 2 2 2 2 2 2 2 2 2 ...
 $ s06a_q07: int  720 180 700 208 1200 238 810 192 990 408 ...
 $ s06a_q08: int  3 1 5 1 1 1 3 1 3 1 ...
 $ s06a_q09: int  2 2 2 2 2 2 2 2 3 2 ...
 $ s06a_q10: int  2 1 2 1 2 2 2 1 0 1 ...
 $ s06a_q11: int  0 2 0 2 0 0 0 2 0 2 ...
 $ s06a_q12: int  0 2 0 2 0 0 0 2 0 2 ...
 $ s06a_q13: int  3 3 3 3 2 3 3 3 3 3 ...
 $ s06a_q14: int  2 1 2 1 2 2 1 1 1 1 ...
 $ s06a_q15: int  0 14 0 14 0 0 22 14 22 14 ...
 $ s06a_q16: int  1 1 2 1 2 2 1 1 1 1 ...
 $ s06a_q17: int  2 2 2 2 2 2 2 2 2 2 ...
 $ s06a_q18: int  2 2 2 2 2 2 2 2 2 2 ...
 $ s06a_q19: int  2 2 2 2 2 2 2 2 2 2 ...
 $ s06a_q20: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s06a_q21: int  2 1 1 1 2 1 1 1 1 1 ...
 $ s06a_q22: int  100000 60000 60000 250000 500000 80000 400000 75000 300000 200000 ...
 $ s07a_q01: int  100 0 20 30 0 70 0 0 400 172 ...
 $ s07a_q02: int  10 15 30 6 0 20 10 3 20 40 ...
 $ s07a_q03: int  0 0 0 0 0 2 0 0 0 0 ...
 $ s07a_q04: int  0 0 0 0 0 0 0 0 160 0 ...
 $ s07a_q05: int  0 0 0 30 0 70 0 0 350 0 ...
 $ s07a_q06: int  110 15 50 6 0 22 10 3 230 212 ...
```

```
$ s07b_q01: int  1 2 2 1 2 2 2 2 1 1 ...
$ s07c_q01: int  1 2 2 1 2 2 2 1 1 1 ...
$ s07c_q09: int  2 2 2 2 2 2 1 2 2 2 ...
$ s07c_q13: int  2 2 2 2 2 2 2 2 2 2 ...
$ s08a_q01: int  2 2 2 2 2 1 2 2 2 2 ...
$ s08a_q_1: int  0 0 0 0 0 2 0 0 0 0 ...
$ s08a_q02: int  0 0 0 0 0 8000 0 0 0 0 ...
$ s08a_q03: int  2 2 2 2 2 2 2 2 2 2 ...
$ s08a_q04: int  0 0 0 0 0 0 0 0 0 0 ...
$ s08a_q05: int  2 2 2 2 2 2 2 2 2 2 ...
$ s08a_q06: int  0 0 0 0 0 0 0 0 0 0 ...
$ s08a_q07: int  2 1 2 1 2 2 2 2 2 2 ...
$ s08a_q08: int  0 90000 0 500 0 0 0 0 0 0 ...
$ s08a_q09: int  2 2 2 2 2 2 2 2 2 2 ...
$ s08a_q10: int  0 0 0 0 0 0 0 0 0 0 ...
$ s08a_q11: int  2 2 2 2 2 2 2 2 2 2 ...
$ s08a_q12: int  0 0 0 0 0 0 0 0 0 0 ...
$ s08b_q01: int  0 0 0 0 0 7000 0 0 1200 14000 ...
$ s08b_q02: int  0 0 4000 3000 0 0 0 0 20000 0 ...
$ s08b_q03: int  0 0 0 0 0 0 0 0 0 0 ...
$ s08b_q_1: int  0 0 0 0 0 0 0 0 0 0 ...
$ s08b_q_2: int  0 0 0 0 0 0 0 0 0 0 ...
$ s08b_q04: int  0 0 0 0 0 0 0 0 0 0 ...
$ s08b_q05: int  0 0 0 0 0 0 0 0 0 0 ...
$ s08b_q06: int  0 0 0 0 0 0 0 0 0 0 ...
$ s08b_q07: int  0 0 600 0 0 0 0 0 0 0 ...
$ s08b_q08: int  30000 0 0 0 0 0 0 0 0 0 ...
$ s08b_q09: int  70000 0 0 0 0 0 0 40000 0 25000 ...
$ s08b_q10: int  5 0 0 0 0 0 0 0 0 0 ...
$ s08b_q11: int  0 0 0 0 0 0 0 0 0 0 ...
$ s08b_q12: int  0 0 0 0 0 0 0 0 0 0 ...
$ s08b_q13: int  0 0 0 0 0 0 0 0 0 0 ...
$ s08c_q01: int  1 2 2 2 2 2 2 1 2 1 ...
$ s08c_q02: int  1 2 2 2 2 2 2 1 2 1 ...
$ s08d_q01: int  1 2 2 2 2 2 1 2 1 2 ...
$ s08d_q02: int  1 2 2 2 2 2 2 2 2 2 ...
$ s08d_q03: int  1 2 2 2 2 2 2 2 2 2 ...
$ s08d_q04: int  1 2 2 1 2 2 2 2 2 2 ...
$ s09a1d01: int  0 1 0 0 2 0 1 1 0 1 ...
$ s09a1d_1: int  1 0 0 1 1 0 1 0 0 1 ...
$ s09a1d_2: int  8 0 2 2 0 1 1 2 2 1 ...
$ s09a1d_3: int  3 1 1 3 1 0 1 1 2 2 ...
$ s09a1d_4: chr  "21/02/2010" "21/02/2010" "21/02/2010" "21/02/2010" ...
$ s09a1d02: int  0 1 0 2 2 0 2 1 0 0 ...
$ s09a1d_5: int  2 0 0 0 1 0 1 0 0 0 ...
$ s09a1d_6: int  3 0 2 1 0 1 2 3 2 1 ...
$ s09a1d_7: int  3 1 1 3 1 0 3 4 2 2 ...
$ s09a1d_8: chr  "22/02/2010" "22/02/2010" "22/02/2010" "22/02/2010" ...
$ s09a1d03: int  1 1 0 1 2 0 1 3 0 1 ...
$ s09a1d_9: int  1 0 0 0 1 0 1 3 0 2 ...
$ s09a1_10: int  3 0 2 1 0 1 1 5 2 1 ...
$ s09a1_11: int  2 1 1 2 1 0 2 5 2 2 ...
$ s09a1_12: chr  "23/02/2010" "23/02/2010" "23/02/2010" "23/02/2010" ...
$ s09a1d04: int  1 1 0 1 2 0 1 0 0 0 ...
$ s09a1_13: int  1 0 0 0 1 0 1 0 0 0 ...
$ s09a1_14: int  2 1 2 1 0 2 1 3 2 1 ...
```

```
 $ s09a1_15: int  2 0 1 2 1 1 2 2 2 2 ...
 $ s09a1_16: chr  "24/02/2010" "24/02/2010" "24/02/2010" "24/02/2010" ...
  [list output truncated]
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 11:57"
 - attr(*, "formats")= chr  "%2s" "%3s" "%3s" "%8.0g" ...
 - attr(*, "types")= int  2 3 3 251 251 251 251 251 251 252 ...
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "Stratum" "Primary Sampling Unit" "Household Number" "" ...
 - attr(*, "version")= int 12
NULL


## 2 ####  rt002  #########
'data.frame':   55580 obs. of  149 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "002" "002" "002" ...
 $ idcode  : chr  "01" "02" "03" "04" ...
 $ resid1a : int  2 2 2 2 2 2 2 2 2 2 ...
 $ s01a_q01: chr  "Mofajall gazi" "paria begum" "sadia" "Aminul islam" ...
 $ s01a_q02: int  1 2 2 1 2 2 2 2 1 2 ...
 $ s01a_q03: int  1 2 3 3 3 5 4 5 1 2 ...
 $ s01a_q04: int  54 42 10 14 21 4 23 3 33 26 ...
 $ s01a_q05: int  1 1 1 1 1 1 1 1 1 1 ...
 $ s01a_q06: int  1 1 2 2 1 2 1 2 1 1 ...
 $ s01a_q07: int  1 2 2 2 2 2 2 2 1 2 ...
 $ s01a_q08: int  2 1 0 0 99 0 99 0 2 1 ...
 $ s01a_q09: int  99 99 1 1 1 99 99 99 99 99 ...
 $ s01a_q10: int  99 99 2 2 2 5 99 7 99 99 ...
 $ s01a_q11: int  2 2 2 2 2 2 2 2 2 2 ...
 $ s01a_q12: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s01b_q01: int  1 2 2 2 2 0 2 0 1 2 ...
 $ s01b_q02: int  0 2 2 2 2 0 2 0 0 2 ...
 $ s01b_q03: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s01b_q04: int  0 2 3 3 11 0 2 0 0 2 ...
 $ resid1c : int  2 2 2 2 2 NA 2 NA 2 2 ...
 $ s01c_q01: int  2 2 2 2 2 0 2 0 2 2 ...
 $ s01c_q02: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s01c_q03: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s01c_q_1: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s01c_q04: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s01c_q_2: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s01c_q_3: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s01c_q05: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s01c_q_4: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s01c_q_5: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s01c_q06: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s01c_q07: int  2 2 2 2 2 0 2 0 2 2 ...
 $ resid2a : int  2 2 2 2 2 NA 2 NA 2 2 ...
 $ s02a_q03: int  1 1 1 1 1 0 1 0 1 1 ...
 $ s02a_q04: int  1 1 1 1 1 0 1 0 1 1 ...
 $ s02a_q05: int  5 5 4 7 6 0 10 0 10 9 ...
 $ s02a_q06: int  1 1 1 1 1 0 4 0 1 1 ...
 $ s02a_q07: int  1 1 1 2 2 0 2 0 2 2 ...
 $ resid2b : int  2 2 2 2 2 NA 2 NA 2 2 ...
 $ s02b_q01: int  2 2 1 1 2 0 2 0 2 2 ...
```

```
$ s02b_q02: int  0 0 5 8 0 0 0 0 0 0 ...
$ s02b_q03: int  0 0 2 0 0 0 0 0 0 0 ...
$ s02b_q04: int  0 0 0 0 0 0 0 0 0 0 ...
$ s02b_q05: int  0 0 0 2 0 0 0 0 0 0 ...
$ s02b_q06: int  0 0 0 0 0 0 0 0 0 0 ...
$ s02b_q07: int  0 0 0 0 0 0 0 0 0 0 ...
$ s02b_q08: int  0 0 0 0 0 0 0 0 0 0 ...
$ s02b_q_1: int  0 0 0 0 0 0 0 0 0 0 ...
$ s02b_q_2: int  0 0 0 0 0 0 0 0 0 0 ...
$ s02b_q_3: int  0 0 150 150 0 0 0 0 0 0 ...
$ s02b_q_4: int  0 0 0 0 0 0 0 0 0 0 ...
$ s02b_q_5: int  0 0 400 400 0 0 0 0 0 0 ...
$ s02b_q_6: int  0 0 500 500 0 0 0 0 0 0 ...
$ s02b_q_7: int  0 0 700 1000 0 0 0 0 0 0 ...
$ s02b_q_8: int  0 0 2400 2400 0 0 0 0 0 0 ...
$ s02b_q_9: int  0 0 0 0 0 0 0 0 0 0 ...
$ s02b__10: int  0 0 0 0 0 0 0 0 0 0 ...
$ s02b__11: int  0 0 1000 1200 0 0 0 0 0 0 ...
$ s02b__12: int  0 0 0 0 0 0 0 0 0 0 ...
$ s02b__13: int  0 0 0 0 0 0 0 0 0 0 ...
$ s02b__14: int  0 0 0 0 0 0 0 0 0 0 ...
$ s02b__15: int  0 0 5150 5650 0 0 0 0 0 0 ...
$ s03a_q01: int  2 2 2 2 2 2 2 2 2 2 ...
$ s03a_q02: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a_q_1: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a_q03: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a_q_2: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a_q04: int  2 2 2 2 2 2 2 2 2 1 ...
$ s03a_q05: int  0 0 0 0 0 0 0 0 0 9 ...
$ s03a_q_3: int  0 0 0 0 0 0 0 0 0 2 ...
$ s03a_q_4: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a_q06: int  0 0 0 0 0 0 0 0 0 1 ...
$ s03a_q07: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a_q08: int  0 0 0 0 0 0 0 0 0 1 ...
$ s03a_q_5: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a_q09: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a_q10: int  0 0 0 0 0 0 0 0 0 5 ...
$ s03a_q11: int  0 0 0 0 0 0 0 0 0 1 ...
$ s03a_q12: int  0 0 0 0 0 0 0 0 0 11 ...
$ s03a_q13: int  0 0 0 0 0 0 0 0 0 1 ...
$ s03a_q_6: int  0 0 0 0 0 0 0 0 0 30 ...
$ s03a_q14: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a_q_7: int  0 0 0 0 0 0 0 0 0 30 ...
$ s03a_q15: int  0 0 0 0 0 0 0 0 0 6 ...
$ s03a_q16: int  0 0 0 0 0 0 0 0 0 1 ...
$ s03a_q17: int  0 0 0 0 0 0 0 0 0 50 ...
$ s03a_q_8: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a_q_9: int  0 0 0 0 0 0 0 0 0 550 ...
$ s03a__10: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a__11: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a__12: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a__13: int  0 0 0 0 0 0 0 0 0 200 ...
$ s03a__14: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a__15: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a__16: int  0 0 0 0 0 0 0 0 0 0 ...
$ s03a__17: int  0 0 0 0 0 0 0 0 0 800 ...
```

```
 $ s03a_q18: int  0 0 0 0 0 0 0 0 0 1 ...
 $ s03a__18: int  0 0 0 0 0 0 0 0 0 0 ...
  [list output truncated]
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:29"
 - attr(*, "formats")= chr  "%3s" "%3s" "%2s" "%8.0g" ...
 - attr(*, "types")= int  3 3 2 251 30 251 251 252 251 251 ...
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "Primary sampling unit" "household" "personal identification
code" "respondent identification code - section 1.a" ...
 - attr(*, "version")= int 12
NULL


## 3 ####  rt003  #########
'data.frame':   18067 obs. of  28 variables:
 $ psu     : chr  "010" "010" "013" "010" ...
 $ hhold   : chr  "002" "002" "168" "010" ...
 $ serial  : chr  "01" "02" "01" "01" ...
 $ idcode  : int  1 1 1 1 3 2 1 1 1 1 ...
 $ s04a_q01: chr  "Service holder" "Farmer" "Rickshaw" "Sales man" ...
 $ s04a_q_1: chr  "53" "61" "59" "42" ...
 $ s04a_q_2: chr  "15" "01" "60" "67" ...
 $ s04a_q02: int  2 10 12 12 10 2 8 12 12 3 ...
 $ s04a_q03: int  26 30 28 26 20 25 26 26 30 10 ...
 $ s04a_q04: int  8 8 10 10 10 5 10 8 11 4 ...
 $ s04a_q05: int  2 1 2 2 1 1 2 2 1 1 ...
 $ s04a_q_3: chr  "26" "06" "06" "26" ...
 $ s04a_q06: int  2 1 2 2 2 2 2 2 2 2 ...
 $ s04a_q07: int  0 2 NA 0 0 0 0 0 0 0 ...
 $ s04a_q08: int  4 0 1 4 1 1 1 4 2 2 ...
 $ idcode2 : int  1 NA 1 1 3 2 1 1 NA NA ...
 $ s04b_q01: int  2 0 1 2 1 1 1 2 0 0 ...
 $ s04b_q02: int  0 0 180 0 200 80 500 0 0 0 ...
 $ s04b_q_1: int  0 0 100 0 100 80 300 0 0 0 ...
 $ s04b_q_2: int  0 0 130 0 125 80 400 0 0 0 ...
 $ s04b_q03: int  0 0 2 0 2 1 2 0 0 0 ...
 $ s04b_q04: int  0 0 NA 0 0 2 0 0 0 0 ...
 $ s04b_q05: int  0 0 NA 0 0 2 0 0 0 0 ...
 $ s04b_q_3: int  0 0 NA 0 0 40 0 0 0 0 ...
 $ s04b_q06: int  3 0 NA 3 0 0 0 3 0 0 ...
 $ s04b_q07: int  5000 0 NA 6000 0 0 0 5000 0 0 ...
 $ s04b_q08: int  5000 0 NA 6000 0 0 0 5000 0 0 ...
 $ s04b_q09: int  10000 0 NA 0 0 0 0 0 0 0 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:00"
 - attr(*, "formats")= chr  "%3s" "%3s" "%2s" "%8.0g" ...
 - attr(*, "types")= int  3 3 2 251 48 2 2 251 251 251 ...
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "PSU" "household" "Activity serial" "Id code" ...
 - attr(*, "version")= int 12
NULL


## 4 ####  rt004  #########
'data.frame':   3497 obs. of  35 variables:
```

```
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "026" "026" "063" "083" ...
 $ enumber : int  1 2 1 1 1 1 1 2 1 1 ...
 $ s05a_q01: chr  "" "" "Grocer" "Busness" ...
 $ s05a_q_1: chr  "61" "81" "74" "74" ...
 $ s05a_q02: int  0 0 1 1 0 6 1 1 1 1 ...
 $ s05a_q_2: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s05a_q_3: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s05a_q_4: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s05a_q_5: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s05a_q03: int  1 3 13 10 2 3 14 1 4 1 ...
 $ s05a_q_6: int  2 4 6 6 1 0 0 0 3 6 ...
 $ s05a_q04: int  4 4 4 1 4 4 5 1 1 1 ...
 $ s05a_q05: int  12 12 12 8 12 12 12 12 9 12 ...
 $ s05a_q06: int  100 100 100 100 100 100 100 100 100 100 ...
 $ s05a_q07: int  100 100 100 100 100 100 100 100 100 100 ...
 $ s05a_q08: int  0 0 1 1 0 1 3 1 1 1 ...
 $ s05a_q_7: int  0 0 0 0 0 0 1 0 0 0 ...
 $ s05a_q09: int  0 0 3 2 0 3 2 2 2 2 ...
 $ s05a_q10: int  0 0 2 2 0 1 1 1 1 2 ...
 $ s05a_q_8: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s05b_q11: int  0 0 0 1 0 0 2 0 0 0 ...
 $ s05b_q12: int  0 0 4 1 0 1 2 1 1 1 ...
 $ s05b_q_1: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s05b_q13: int  37500 2000 400000 100000 60480 182500 192000 16800 5400 48000 ...
 $ s05b_q14: int  0 0 0 12000 0 0 72000 0 0 0 ...
 $ s05b_q15: int  0 0 2400 0 0 4800 0 0 0 0 ...
 $ s05b_q16: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s05b_q17: int  0 0 2000 0 0 600 0 0 0 0 ...
 $ s05b_q18: int  0 0 280000 60000 0 125000 0 0 0 0 ...
 $ s05b_q19: int  0 0 1000 1000 0 2000 0 0 0 0 ...
 $ s05b_q20: int  37500 2000 114600 27000 60480 50100 120000 16800 5400 48000 ...
 $ s05b_q21: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s05b_q22: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s05b_q23: int  0 0 400000 0 0 0 0 0 0 0 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:02"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%45s" ...
 - attr(*, "types")= int  3 3 251 45 2 251 251 251 251 251 ...
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "enterprise number" "s05a_q01d: what kind of
entreprise? description" ...
 - attr(*, "version")= int 12
NULL


## 5 ####  rt005  #########
'data.frame':   220012 obs. of  13 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "002" "002" "002" ...
 $ shock_co: int  101 102 103 104 105 106 107 108 109 110 ...
 $ s06b_q02: int  2 2 2 2 2 2 2 2 2 2 ...
 $ s06b_q03: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s06b_q04: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s06b_q05: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s06b_q_1: int  0 0 0 0 0 0 0 0 0 0 ...
```

```
 $ s06b_q_2: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s06b_q_3: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s06b_q06: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s06b_q_4: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s06b_q_5: int  0 0 0 0 0 0 0 0 0 0 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:04"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  3 3 252 251 251 252 251 251 251 251 ...
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "shock code" "s06b_q02: did you experience this
shock?" ...
 - attr(*, "version")= int 12
NULL


## 6 ####  rt006  #########
'data.frame':   186980 obs. of  19 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "002" "002" "002" ...
 $ ln      : int  2 7 10 23 2 26 1 2 8 21 ...
 $ crop_cod: int  2 7 10 24 2 27 1 2 8 22 ...
 $ s07b_q02: int  1 1 1 1 1 1 1 1 1 1 ...
 $ s07b_q03: int  100 20 0 1 20 1 50 210 70 5 ...
 $ s07b_q04: int  1200 96 2000 20 180 5 400 3600 240 50 ...
 $ s07b_q_1: int  15 5 2 10 15 40 12 13 50 5 ...
 $ s07b_q05: int  800 23 1000 10 150 5 150 500 37 50 ...
 $ s07b_q06: int  0 50 0 10 0 0 200 500 150 0 ...
 $ s07b_q07: int  0 10 400 0 25 0 30 2450 45 0 ...
 $ s07b_q08: int  200 0 0 0 0 0 0 0 0 0 ...
 $ s07b_q_2: int  150 0 600 0 0 0 0 0 0 0 ...
 $ s07b_q_3: int  0 0 0 0 5 0 20 100 8 0 ...
 $ s07b_q_4: int  50 13 0 0 0 0 0 50 0 0 ...
 $ s07b_q_5: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07b_q_6: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07b_q_7: int  400 13 600 0 5 0 20 150 8 0 ...
 $ price   : int  18 2 2 10 18 10 20 18 40 5 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:05"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  3 3 251 251 251 252 253 252 253 253 ...
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "line number" "crop code" ...
 - attr(*, "version")= int 12
NULL


## 7 ####  rt007  #########
'data.frame':   80424 obs. of  11 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "002" "002" "002" ...
 $ liv_code: int  201 202 203 204 205 206 207 208 209 210 ...
 $ s07c_q02: int  2 0 0 0 12 4 4 0 0 22 ...
 $ s07c_q_1: int  2500 0 0 0 800 600 500 0 0 4400 ...
 $ s07c_q03: int  1 0 0 0 7 0 0 0 0 0 ...
 $ s07c_q_2: int  3000 0 0 0 250 0 0 0 0 3250 ...
```

```
 $ s07c_q04: int  0 0 0 0 0 0 4 0 0 0 ...
 $ s07c_q_3: int  0 0 0 0 0 0 500 0 0 500 ...
 $ s07c_q05: int  0 0 0 0 2 2 0 0 0 0 ...
 $ s07c_q_4: int  0 0 0 0 300 300 0 0 0 600 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:06"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  3 3 252 252 253 252 253 252 253 252 ...
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "livestock code" "s07c_q02n: how many of them
you have? number" ...
 - attr(*, "version")= int 12
NULL


## 8 ####  rt008  #########
'data.frame':   72327 obs. of  9 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "002" "002" "002" ...
 $ prod_cod: int  211 212 213 214 215 216 217 218 220 211 ...
 $ s07c_q06: int  0 0 0 120 100 0 500 0 0 0 ...
 $ s07c_q_1: int  0 0 0 3600 600 0 500 500 5200 0 ...
 $ s07c_q07: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07c_q_2: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07c_q08: int  0 0 0 120 100 0 500 0 0 0 ...
 $ s07c_q_3: int  0 0 0 3600 600 0 500 500 5200 0 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:08"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%12.0g" ...
 - attr(*, "types")= int  3 3 252 253 253 253 253 252 253
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "product code" "s07c_q06q: how much produced?
quantity" ...
 - attr(*, "version")= int 12
NULL


## 9 ####  rt009  #########
'data.frame':   25241 obs. of  9 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "046" "046" "046" "046" ...
 $ fish_act: int  221 222 223 224 225 226 227 229 230 221 ...
 $ s07c_q10: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07c_q_1: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07c_q11: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07c_q_2: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07c_q12: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07c_q_3: int  0 0 0 0 0 0 0 0 0 0 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:10"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  3 3 252 252 253 252 253 252 253
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "code fishing" "s07c_q10kg: how much you
produce? kg" ...
 - attr(*, "version")= int 12
```

```
NULL


## 10 ####  rt010  #########
'data.frame':   45643 obs. of  7 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "046" "046" "046" "046" ...
 $ forestry: int  231 232 233 234 235 236 237 238 239 240 ...
 $ s07c_q14: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07c_q_1: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07c_q15: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07c_q16: int  0 0 0 0 0 0 0 0 0 0 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:11"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%12.0g" ...
 - attr(*, "types")= int  3 3 252 253 253 253 253
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "code forestry" "s07c_q14n: how many trees?
no." ...
 - attr(*, "version")= int 12
NULL


## 11 ####  rt011  #########
'data.frame':   247753 obs. of  7 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "002" "002" "002" ...
 $ ln      : int  1 2 3 4 5 6 7 8 9 10 ...
 $ exp_agri: int  301 302 303 304 305 306 307 308 309 311 ...
 $ s07d_q01: int  1 2 1 2 2 1 2 1 2 2 ...
 $ s07d_q02: int  25 0 40 0 0 0 0 0 0 0 ...
 $ s07d_q_1: int  500 0 480 0 0 1250 0 80 0 0 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:12"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  3 3 251 252 251 252 253
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "line number" " agric code of the sector" ...
 - attr(*, "version")= int 12
NULL


## 12 ####  rt012  #########
'data.frame':   228631 obs. of  11 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "002" "002" "002" ...
 $ ln      : int  1 2 3 4 5 6 7 8 9 10 ...
 $ agric_as: int  401 402 403 404 405 406 407 408 409 411 ...
 $ s07e_q01: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07e_q_1: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07e_q02: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07e_q_2: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07e_q03: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07e_q_3: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s07e_q04: int  0 0 0 0 0 0 0 0 0 0 ...
 - attr(*, "datalabel")= chr ""
```

```
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:13"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  3 3 251 252 252 253 252 253 252 253 ...
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "line number" "agricultural asset code" ...
 - attr(*, "version")= int 12
NULL


## 13 ####  rt013  #########
'data.frame':   2100 obs. of  21 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "002" "080" "086" ...
 $ migrant_: int  91 92 91 91 92 91 91 91 92 91 ...
 $ s08c_q03: chr  "Liton" "Milton" "" "Hamayet" ...  (to be deleted)
 $ s08c_q04: int  3 3 3 3 3 4 2 2 3 3 ...
 $ s08c_q05: int  9 0 6 0 6 0 0 0 0 0 ...
 $ s08c_q_1: int  0 1 2 1 1 2 8 20 5 1 ...
 $ s08c_q06: int  2 1 2 2 2 2 2 2 2 1 ...
 $ s08c_q07: chr  "" "33" "" "" ...
 $ s08c_q08: int  5 0 6 3 1 2 1 3 3 0 ...
 $ s08c_q09: int  30 26 22 34 22 37 42 51 23 14 ...
 $ s08c_q10: int  1 1 1 1 1 1 1 1 1 1 ...
 $ s08c_q11: int  10 10 10 12 11 10 8 10 10 5 ...
 $ s08c_q12: chr  "83" "79" "01" "07" ...
 $ s0bc_q13: int  3 5 4 2 2 12 12 4 4 3 ...
 $ s08c_q14: int  70000 30000 40000 15000 10000 1000 180000 120000 120000 12000 ...
 $ s08c_q15: int  4 8 4 4 4 4 4 4 4 8 ...
 $ s08c_q16: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s08c_q_2: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s08c_q_3: int  0 0 0 0 0 0 0 0 0 0 ...
 $ s08c_q17: int  0 0 0 0 0 0 0 0 0 0 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:15"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%25s" ...
 - attr(*, "types")= int  3 3 251 25 251 251 251 251 2 251 ...
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "migrant number" "s08c_q03: name" ...
 - attr(*, "version")= int 12
NULL


## 14 ####  rt014  #########
'data.frame':   5137 obs. of  16 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "110" "117" "122" ...
 $ loan_num: int  20 20 20 20 21 20 20 21 20 21 ...
 $ idcode  : int  1 1 2 1 1 1 1 1 1 1 ...
 $ s08d_q05: int  8 9 8 8 8 12 1 2 12 8 ...
 $ s08d_q06: int  32000 13000 25000 80000 20000 10000 60000 48000 12000 15000 ...
 $ s08d_q07: int  24 12 24 24 12 24 24 36 24 24 ...
 $ s08d_q08: num  0 0 0 0 0 0 0 0 0 0 ...
 $ s08d_q_1: num  10 10 20 10 10 10 10 10 10 10 ...
 $ s08d_q09: int  7 3 3 3 3 3 5 5 3 3 ...
 $ s08d_q_2: int  22500 9450 700 61000 10000 4000 3000 47600 5000 2800 ...
 $ s08d_q10: int  2 2 2 2 2 2 2 2 2 2 ...
```

```
 $ s08d_q11: int  9500 3550 12000 19000 10000 6000 57000 400 7000 12200 ...
 $ s08d_q12: int  3 3 2 5 5 5 8 5 8 8 ...
 $ s08d_q13: int  2 1 1 2 2 2 2 2 2 1 ...
 $ s08d_q14: int  0 50000 25000 0 0 0 0 0 0 50000 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:34"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  3 3 251 251 251 253 252 254 254 251 ...
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "loan number" "id code" ...
 - attr(*, "version")= int 12
NULL


## 15 ####  rt015  #########
'data.frame':   438559 obs. of  62 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "002" "002" "002" ...
 $ ln      : int  1 2 4 7 8 12 15 16 18 22 ...
 $ item    : int  10 11 13 16 17 22 30 31 33 40 ...
 $ s09a1d01: int  4100 0 4050 0 0 50 250 0 250 1500 ...
 $ s09a1d_1: chr  "" "gm" "gm" "gm" ...
 $ s09a1d_2: int  11700 0 11200 0 0 500 1000 0 1000 25000 ...
 $ s09a1d_3: int  0 0 3 0 0 4 0 0 1 0 ...
 $ s09a1d02: int  2500 0 2500 0 0 0 0 0 0 0 ...
 $ s09a1d_4: chr  "" "gm" "gm" "gm" ...
 $ s09a1d_5: int  7500 0 7500 0 0 0 0 0 0 0 ...
 $ s09a1d_6: int  0 0 3 0 0 0 0 0 0 0 ...
 $ s09a1d03: int  3550 1000 1500 0 1000 50 0 0 0 0 ...
 $ s09a1d_7: chr  "" "gm" "gm" "gm" ...
 $ s09a1d_8: int  14200 7000 4500 0 2200 500 0 0 0 0 ...
 $ s09a1d_9: int  0 1 3 0 1 4 0 0 0 0 ...
 $ s09a1d04: int  2550 0 2500 0 0 50 200 200 0 700 ...
 $ s09a1_10: chr  "" "gm" "gm" "gm" ...
 $ s09a1_11: int  8000 0 7500 0 0 500 2200 2200 0 9000 ...
 $ s09a1_12: int  0 0 3 0 0 4 0 1 0 0 ...
 $ s09a1d05: int  2550 0 2500 0 0 50 200 200 0 200 ...
 $ s09a1_13: chr  "" "gm" "gm" "gm" ...
 $ s09a1_14: int  8000 0 7500 0 0 500 2200 2200 0 2000 ...
 $ s09a1_15: int  0 0 3 0 0 4 0 1 0 0 ...
 $ s09a1d06: int  2500 0 2500 0 0 0 100 100 0 500 ...
 $ s09a1_16: chr  "" "gm" "gm" "gm" ...
 $ s09a1_17: int  7500 0 7500 0 0 0 1200 1200 0 5000 ...
 $ s09a1_18: int  0 0 3 0 0 0 0 1 0 0 ...
 $ s09a1d07: int  2650 0 2500 100 0 50 0 0 0 500 ...
 $ s09a1_19: chr  "" "gm" "gm" "gm" ...
 $ s09a1_20: int  8600 0 7500 600 0 500 0 0 0 5000 ...
 $ s09a1_21: int  0 0 3 3 0 4 0 0 0 0 ...
 $ s09a1d08: int  2750 0 2500 200 0 50 0 0 0 200 ...
 $ s09a1_22: chr  "" "gm" "gm" "gm" ...
 $ s09a1_23: int  9200 0 7500 1200 0 500 0 0 0 2000 ...
 $ s09a1_24: int  0 0 3 3 0 4 0 0 0 0 ...
 $ s09a1d09: int  2750 0 2500 200 0 50 0 0 0 200 ...
 $ s09a1_25: chr  "" "gm" "gm" "gm" ...
 $ s09a1_26: int  9200 0 7500 1200 0 500 0 0 0 2000 ...
 $ s09a1_27: int  0 0 3 3 0 4 0 0 0 0 ...
```

```
 $ s09a1d10: int  2800 0 2500 200 0 100 0 0 0 200 ...
 $ s09a1_28: chr  "" "gm" "gm" "gm" ...
 $ s09a1_29: int  9700 0 7500 1200 0 1000 0 0 0 2000 ...
 $ s09a1_30: int  0 0 3 3 0 4 0 0 0 0 ...
 $ s09a1d11: int  2750 0 2500 200 0 50 0 0 0 200 ...
 $ s09a1_31: chr  "" "gm" "gm" "gm" ...
 $ s09a1_32: int  9200 0 7500 1200 0 500 0 0 0 2000 ...
 $ s09a1_33: int  0 0 3 3 0 4 0 0 0 0 ...
 $ s09a1d12: int  1800 0 1500 200 0 100 0 0 0 0 ...
 $ s09a1_34: chr  "" "gm" "gm" "gm" ...
 $ s09a1_35: int  6700 0 4500 1200 0 1000 0 0 0 0 ...
 $ s09a1_36: int  0 0 3 3 0 4 0 0 0 0 ...
 $ s09a1d13: int  1750 0 1500 250 0 0 100 100 0 200 ...
 $ s09a1_37: chr  "" "gm" "gm" "gm" ...
 $ s09a1_38: int  6000 0 4500 1500 0 0 1200 1200 0 2000 ...
 $ s09a1_39: int  0 0 3 3 0 0 0 1 0 0 ...
 $ s09a1d14: int  1600 0 1500 100 0 0 0 0 0 200 ...
 $ s09a1_40: chr  "" "gm" "gm" "gm" ...
 $ s09a1_41: int  5100 0 4500 600 0 0 0 0 0 2000 ...
 $ s09a1_42: int  0 0 1 1 0 0 0 0 0 0 ...
 $ t       : int  1 0 0 0 0 0 0 1 0 0 1 ...
 $ kcal    : int  0 346 346 354 341 534 0 343 372 0 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:38"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  3 3 252 252 253 3 253 251 253 3 ...
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "line number" "food item code" ...
 - attr(*, "version")= int 12
NULL


## 16 ####  rt016  #########
'data.frame':   200008 obs. of  13 variables:
 $ psu     : chr  "007" "007" "007" "007" ...
 $ hhold   : chr  "001" "001" "001" "001" ...
 $ ln      : int  1 2 3 4 5 6 7 8 9 11 ...
 $ item    : int  210 211 212 213 214 215 216 217 218 221 ...
 $ s09b1w1_: int  1440 150 250 500 100 100 250 50 20 20 ...
 $ s09b1w_1: chr  "" "gm" "gm" "gm" ...
 $ s09b1w_2: int  16000 3500 1000 2000 2000 3500 400 600 1000 2000 ...
 $ s09b1w_3: int  0 1 1 1 1 1 1 1 1 1 ...
 $ s09b1w2_: int  1690 150 250 750 100 100 250 50 20 20 ...
 $ s09b1w_4: chr  "" "gm" "gm" "gm" ...
 $ s09b1w_5: int  17600 3500 1000 3600 2000 3500 400 600 1000 2000 ...
 $ s09b1w_6: int  0 1 1 1 1 1 1 1 1 1 ...
 $ kcal    : int  0 245 103 50 145 349 67 67 356 229 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:42"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  3 3 251 252 252 2 253 251 252 2 ...
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "line number" "food item code" ...
 - attr(*, "version")= int 12
NULL
```

```
## 17 ####  rt017  #########
'data.frame':   362670 obs. of  7 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "002" "002" "002" ...
 $ ln      : int  1 3 5 10 11 12 14 18 19 20 ...
 $ item    : int  240 242 244 249 250 251 253 257 260 261 ...
 $ s09c1_q0: int  108 0 100 8 120 40 60 20 130 50 ...
 $ s09c1__1: int  200 200 0 0 0 0 0 0 0 0 ...
 $ s09c1__2: int  308 200 100 8 120 40 60 20 130 50 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:43"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  3 3 251 252 253 252 253
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "line number" "non-food item code" ...
 - attr(*, "version")= int 12
NULL


## 18 ####  rt018  #########
'data.frame':   285162 obs. of  6 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "002" "002" "002" ...
 $ ln      : int  1 2 3 4 5 8 16 22 23 26 ...
 $ item    : int  300 301 302 303 304 307 316 323 324 330 ...
 $ s09d1_q0: int  37 4 4 2 10 4 4 6 3 0 ...
 $ s09d1__1: int  7870 800 1200 300 2500 800 120 2000 150 2500 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:44"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  3 3 251 252 252 253
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "line number" "non-food item code" ...
 - attr(*, "version")= int 12
NULL


## 19 ####  rt019  #########
'data.frame':   830454 obs. of  5 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "002" "002" "002" ...
 $ ln      : int  1 2 6 12 14 17 36 39 49 51 ...
 $ item    : int  360 361 365 372 390 393 410 413 430 432 ...
 $ s09d2_q0: int  2200 800 900 500 1000 1000 1000 1000 5650 150 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:47"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  3 3 252 252 253
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "line number" "non-food item code" ...
 - attr(*, "version")= int 12
NULL


## 20 ####  rt020  #########
```

```
'data.frame':   341813 obs. of  8 variables:
 $ psu     : chr  "010" "010" "010" "010" ...
 $ hhold   : chr  "002" "002" "002" "002" ...
 $ ln      : int  1 2 3 4 5 6 7 8 9 10 ...
 $ dg_code : int  561 562 563 564 565 566 567 568 569 571 ...
 $ s09e_q01: int  1 2 2 2 2 2 2 2 2 2 ...
 $ s09e_q02: int  1 0 0 0 0 0 0 0 0 0 ...
 $ s09e_q03: int  200 0 0 0 0 0 0 0 0 0 ...
 $ s09e_q04: int  350 0 0 0 0 0 0 0 0 0 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr "13 Jul 2011 12:48"
 - attr(*, "formats")= chr  "%3s" "%3s" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  3 3 251 252 251 252 253 253
 - attr(*, "val.labels")= chr  "" "" "" "" ...
 - attr(*, "var.labels")= chr  "psu" "household" "line number" "durable good code" ...
 - attr(*, "version")= int 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 ####  rt001  #########
   stratum              psu               hhold               team           term
 Length:12240       Length:12240       Length:12240       Min.   : 1.0   Min.   : 1.0
 Class :character   Class :character   Class :character   1st Qu.: 9.0   1st Qu.: 5.0
 Mode  :character   Mode  :character   Mode  :character   Median :17.5   Median : 9.5
                                                          Mean   :17.5   Mean   : 9.5
                                                          3rd Qu.:26.0   3rd Qu.:14.0
                                                          Max.   :34.0   Max.   :18.0
     region         district         thana           union           mouza
 Min.   :10.00   Min.   : 1.00   Min.   : 2.00   Min.   : 1.00   Min.   :  3.0
 1st Qu.:20.00   1st Qu.:27.00   1st Qu.:28.00   1st Qu.: 9.00   1st Qu.:252.2
 Median :30.00   Median :51.00   Median :51.00   Median :31.00   Median :519.0
 Mean   :35.38   Mean   :50.78   Mean   :49.96   Mean   :36.18   Mean   :509.5
 3rd Qu.:50.00   3rd Qu.:75.00   3rd Qu.:72.00   3rd Qu.:63.00   3rd Qu.:781.0
 Max.   :60.00   Max.   :94.00   Max.   :95.00   Max.   :95.00   Max.   :995.0
     spc              urbanrur          wgt            s06a_q01         s06a_q02
 Length:12240       Min.   :1.000   Min.   : 897.1   Min.   : 0.000   Min.   : 1.000
 Class :character   1st Qu.:1.000   1st Qu.:1308.2   1st Qu.: 1.000   1st Qu.: 1.000
 Mode  :character   Median :1.000   Median :2946.4   Median : 2.000   Median : 2.000
                    Mean   :1.641   Mean   :2698.4   Mean   : 1.712   Mean   : 2.304
                    3rd Qu.:2.000   3rd Qu.:3115.6   3rd Qu.: 2.000   3rd Qu.: 3.000
                    Max.   :4.000   Max.   :6882.2   Max.   :22.000   Max.   :16.000
    s06a_q03        s06a_q04        s06a_q05        s06a_q06        s06a_q07
 Min.   :0.000   Min.   :1.000   Min.   :1.000   Min.   :1.000   Min.   :    0.0
 1st Qu.:2.000   1st Qu.:1.000   1st Qu.:1.000   1st Qu.:2.000   1st Qu.:  200.0
 Median :2.000   Median :1.000   Median :2.000   Median :2.000   Median :  306.0
 Mean   :1.869   Mean   :1.246   Mean   :2.289   Mean   :2.037   Mean   :  402.1
 3rd Qu.:2.000   3rd Qu.:1.000   3rd Qu.:3.000   3rd Qu.:2.000   3rd Qu.:  480.0
 Max.   :2.000   Max.   :7.000   Max.   :5.000   Max.   :5.000   Max.   :20000.0
    s06a_q08        s06a_q09        s06a_q10        s06a_q11        s06a_q12        s06a_q13
 Min.   :1.000   Min.   :1.000   Min.   :0.000   Min.   :0.000   Min.   :0.0000   Min.   :1.000
 1st Qu.:2.000   1st Qu.:2.000   1st Qu.:1.000   1st Qu.:0.000   1st Qu.:0.0000   1st Qu.:2.000
 Median :3.000   Median :2.000   Median :1.000   Median :1.000   Median :0.0000   Median :2.000
 Mean   :3.177   Mean   :2.014   Mean   :1.258   Mean   :1.001   Mean   :0.9641   Mean   :2.244
 3rd Qu.:4.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.0000   3rd Qu.:3.000
 Max.   :6.000   Max.   :6.000   Max.   :2.000   Max.   :2.000   Max.   :6.0000   Max.   :6.000
    s06a_q14        s06a_q15        s06a_q16        s06a_q17        s06a_q18        s06a_q19
 Min.   :0.000   Min.   : 0.000   Min.   :0.00   Min.   :0.000   Min.   :0.000   Min.   :0.00
 1st Qu.:1.000   1st Qu.: 0.000   1st Qu.:1.00   1st Qu.:2.000   1st Qu.:2.000   1st Qu.:2.00
 Median :1.000   Median : 7.000   Median :1.00   Median :2.000   Median :2.000   Median :2.00
 Mean   :1.423   Mean   : 8.071   Mean   :1.35   Mean   :1.978   Mean   :1.973   Mean   :1.98
 3rd Qu.:2.000   3rd Qu.:16.000   3rd Qu.:2.00   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.00
 Max.   :2.000   Max.   :30.000   Max.   :2.00   Max.   :2.000   Max.   :2.000   Max.   :2.00
    s06a_q20          s06a_q21        s06a_q22          s07a_q01          s07a_q02
 Min.   :0.00000   Min.   :1.000   Min.   :      0   Min.   :   0.00   Min.   :  0.000
 1st Qu.:0.00000   1st Qu.:1.000   1st Qu.:  78000   1st Qu.:   0.00   1st Qu.:  2.000
 Median :0.00000   Median :1.000   Median : 150000   Median :   0.00   Median :  5.000
 Mean   :0.02369   Mean   :1.342   Mean   : 516188   Mean   :  55.83   Mean   :  8.283
 3rd Qu.:0.00000   3rd Qu.:1.000   3rd Qu.: 400000   3rd Qu.:  50.00   3rd Qu.: 10.000
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Max.   :5.00000   Max.   :6.000   Max.   :80000000   Max.   :3960.00   Max.   :500.000
   s07a_q03          s07a_q04          s07a_q05          s07a_q06          s07b_q01
Min.   :   0.000   Min.   :  0.00   Min.   :  0.00   Min.   :   0.00   Min.   :0.000
1st Qu.:   0.000   1st Qu.:  0.00   1st Qu.:  0.00   1st Qu.:   3.00   1st Qu.:1.000
Median :   0.000   Median :  0.00   Median :  0.00   Median :  10.00   Median :2.000
Mean   :   5.696   Mean   : 18.88   Mean   : 25.81   Mean   :  62.88   Mean   :1.575
3rd Qu.:   0.000   3rd Qu.:  0.00   3rd Qu.:  0.00   3rd Qu.:  70.00   3rd Qu.:2.000
Max.   :1000.000   Max.   :1825.00   Max.   :3960.00   Max.   :3210.00   Max.   :2.000
   s07c_q01         s07c_q09         s07c_q13         s08a_q01         s08a_q_1
Min.   :0.000   Min.   :0.000   Min.   :0.000   Min.   :0.000   Min.   :    0.000
1st Qu.:1.000   1st Qu.:2.000   1st Qu.:1.000   1st Qu.:2.000   1st Qu.:    0.000
Median :1.000   Median :2.000   Median :2.000   Median :2.000   Median :    0.000
Mean   :1.387   Mean   :1.868   Mean   :1.683   Mean   :1.961   Mean   :    3.818
3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:    0.000
Max.   :2.000   Max.   :2.000   Max.   :2.000   Max.   :2.000   Max.   :17520.000
   s08a_q02          s08a_q03         s08a_q04          s08a_q05         s08a_q06
Min.   :      0   Min.   :0.000   Min.   :      0   Min.   :0.000   Min.   :      0
1st Qu.:      0   1st Qu.:2.000   1st Qu.:      0   1st Qu.:2.000   1st Qu.:      0
Median :      0   Median :2.000   Median :      0   Median :2.000   Median :      0
Mean   :  16623   Mean   :1.969   Mean   :   5444   Mean   :1.996   Mean   :    978
3rd Qu.:      0   3rd Qu.:2.000   3rd Qu.:      0   3rd Qu.:2.000   3rd Qu.:      0
Max.   :9000000   Max.   :2.000   Max.   :3000000   Max.   :2.000   Max.   :6500000
   s08a_q07         s08a_q08          s08a_q09         s08a_q10          s08a_q11
Min.   :0.000   Min.   :      0   Min.   :0.000   Min.   :      0   Min.   :0.000
1st Qu.:1.000   1st Qu.:      0   1st Qu.:2.000   1st Qu.:      0   1st Qu.:2.000
Median :2.000   Median :      0   Median :2.000   Median :      0   Median :2.000
Mean   :1.541   Mean   :  19737   Mean   :1.979   Mean   :   2151   Mean   :1.967
3rd Qu.:2.000   3rd Qu.:  15000   3rd Qu.:2.000   3rd Qu.:      0   3rd Qu.:2.000
Max.   :2.000   Max.   :4000000   Max.   :2.000   Max.   :3600000   Max.   :2.000
   s08a_q12          s08b_q01         s08b_q02          s08b_q03          s08b_q_1
Min.   :      0   Min.   :     0   Min.   :      0   Min.   :    0.00   Min.   :0.0000000
1st Qu.:      0   1st Qu.:     0   1st Qu.:      0   1st Qu.:    0.00   1st Qu.:0.0000000
Median :      0   Median :     0   Median :      0   Median :    0.00   Median :0.0000000
Mean   :   3744   Mean   :  3073   Mean   :   3148   Mean   :   65.51   Mean   :0.0003268
3rd Qu.:      0   3rd Qu.:     0   3rd Qu.:      0   3rd Qu.:    0.00   3rd Qu.:0.0000000
Max.   :3500000   Max.   :540000   Max.   :1032000   Max.   :93000.00   Max.   :2.0000000
   s08b_q_2          s08b_q04          s08b_q05          s08b_q06          s08b_q07
Min.   :    0.0   Min.   :     0.0   Min.   :    0.00   Min.   :     0.0   Min.   :     0.0
1st Qu.:    0.0   1st Qu.:     0.0   1st Qu.:    0.00   1st Qu.:     0.0   1st Qu.:     0.0
Median :    0.0   Median :     0.0   Median :    0.00   Median :     0.0   Median :     0.0
Mean   :   11.5   Mean   :   231.7   Mean   :   19.36   Mean   :   434.2   Mean   :   472.5
3rd Qu.:    0.0   3rd Qu.:     0.0   3rd Qu.:    0.00   3rd Qu.:     0.0   3rd Qu.:     0.0
Max.   :80000.0   Max.   :500000.0   Max.   :50000.00   Max.   :140000.0   Max.   :160000.0
   s08b_q08          s08b_q09          s08b_q10         s08b_q11          s08b_q12
Min.   :     0   Min.   :      0   Min.   :0.00   Min.   :      0   Min.   :     0
1st Qu.:     0   1st Qu.:      0   1st Qu.:0.00   1st Qu.:      0   1st Qu.:     0
Median :     0   Median :      0   Median :0.00   Median :      0   Median :     0
Mean   :  3146   Mean   :  14300   Mean   :0.71   Mean   :   1636   Mean   :   419
3rd Qu.:     0   3rd Qu.:      0   3rd Qu.:0.00   3rd Qu.:      0   3rd Qu.:     0
Max.   :530000   Max.   :5000000   Max.   :7.00   Max.   :6152392   Max.   :500000
   s08b_q13          s08c_q01         s08c_q02         s08d_q01         s08d_q02
Min.   :      0   Min.   :0.000   Min.   :0.000   Min.   :0.000   Min.   :0.000
1st Qu.:      0   1st Qu.:2.000   1st Qu.:2.000   1st Qu.:2.000   1st Qu.:2.000
Median :      0   Median :2.000   Median :2.000   Median :2.000   Median :2.000
Mean   :   2999   Mean   :1.873   Mean   :1.872   Mean   :1.932   Mean   :1.846
3rd Qu.:      0   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:2.000
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Max.    :2000000   Max.    :2.000   Max.    :2.000   Max.    :2.000   Max.    :2.000
   s08d_q03        s08d_q04        s09a1d01        s09a1d_1        s09a1d_2
Min.    :0.000   Min.    :0.000   Min.    :0.0000   Min.    : 0.0000   Min.    : 0.00
1st Qu.:2.000   1st Qu.:1.000   1st Qu.:0.0000   1st Qu.: 0.0000   1st Qu.: 1.00
Median :2.000   Median :2.000   Median :0.0000   Median : 0.0000   Median : 1.00
Mean   :1.939   Mean   :1.667   Mean   :0.5306   Mean   : 0.5155   Mean   : 1.73
3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:1.0000   3rd Qu.: 1.0000   3rd Qu.: 2.00
Max.    :2.000   Max.    :2.000   Max.    :9.0000   Max.    :14.0000   Max.    :16.00
   s09a1d_3        s09a1d_4        s09a1d02        s09a1d_5        s09a1d_6
Min.    : 0.000   Length:12240       Min.    :0.0000   Min.    :0.0000   Min.    : 0.000
1st Qu.: 1.000   Class :character   1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.: 1.000
Median : 2.000   Mode  :character   Median :0.0000   Median :0.0000   Median : 1.000
Mean   : 1.838                      Mean   :0.5267   Mean   :0.5142   Mean   : 1.736
3rd Qu.: 2.000                      3rd Qu.:1.0000   3rd Qu.:1.0000   3rd Qu.: 2.000
Max.    :16.000                      Max.    :9.0000   Max.    :9.0000   Max.    :65.000
   s09a1d_7        s09a1d_8        s09a1d03        s09a1d_9        s09a1_10
Min.    : 0.00   Length:12240       Min.    :0.0000   Min.    :0.0000   Min.    : 0.000
1st Qu.: 1.00   Class :character   1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.: 1.000
Median : 2.00   Mode  :character   Median :0.0000   Median :0.0000   Median : 1.000
Mean   : 1.84                      Mean   :0.5284   Mean   :0.5141   Mean   : 1.725
3rd Qu.: 2.00                      3rd Qu.:1.0000   3rd Qu.:1.0000   3rd Qu.: 2.000
Max.    :32.00                      Max.    :9.0000   Max.    :9.0000   Max.    :15.000
   s09a1_11        s09a1_12        s09a1d04        s09a1_13        s09a1_14
Min.    : 0.000   Length:12240       Min.    :0.0000   Min.    : 0.000   Min.    : 0.000
1st Qu.: 1.000   Class :character   1st Qu.:0.0000   1st Qu.: 0.000   1st Qu.: 1.000
Median : 2.000   Mode  :character   Median :0.0000   Median : 0.000   Median : 1.000
Mean   : 1.834                      Mean   :0.5282   Mean   : 0.515   Mean   : 1.725
3rd Qu.: 2.000                      3rd Qu.:1.0000   3rd Qu.: 1.000   3rd Qu.: 2.000
Max.    :12.000                      Max.    :9.0000   Max.    :10.000   Max.    :25.000
   s09a1_15        s09a1_16        s09a1d05        s09a1_17        s09a1_18
Min.    : 0.000   Length:12240       Min.    : 0.0000   Min.    :0.0000   Min.    : 0.000
1st Qu.: 1.000   Class :character   1st Qu.: 0.0000   1st Qu.:0.0000   1st Qu.: 1.000
Median : 2.000   Mode  :character   Median : 0.0000   Median :0.0000   Median : 1.000
Mean   : 1.838                      Mean   : 0.5249   Mean   :0.5105   Mean   : 1.714
3rd Qu.: 2.000                      3rd Qu.: 1.0000   3rd Qu.:1.0000   3rd Qu.: 2.000
Max.    :20.000                      Max.    :11.0000   Max.    :6.0000   Max.    :34.000
   s09a1_19        s09a1_20        s09a1d06        s09a1_21        s09a1_22
Min.    : 0.000   Length:12240       Min.    :0.0000   Min.    :0.0000   Min.    : 0.000
1st Qu.: 1.000   Class :character   1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.: 1.000
Median : 2.000   Mode  :character   Median :0.0000   Median :0.0000   Median : 1.000
Mean   : 1.828                      Mean   :0.5222   Mean   :0.5077   Mean   : 1.708
3rd Qu.: 2.000                      3rd Qu.:1.0000   3rd Qu.:1.0000   3rd Qu.: 2.000
Max.    :15.000                      Max.    :9.0000   Max.    :6.0000   Max.    :20.000
   s09a1_23        s09a1_24        s09a1d07        s09a1_25        s09a1_26
Min.    : 0.000   Length:12240       Min.    : 0.0000   Min.    :0.0000   Min.    : 0.000
1st Qu.: 1.000   Class :character   1st Qu.: 0.0000   1st Qu.:0.0000   1st Qu.: 1.000
Median : 2.000   Mode  :character   Median : 0.0000   Median :0.0000   Median : 1.000
Mean   : 1.822                      Mean   : 0.5199   Mean   :0.5087   Mean   : 1.696
3rd Qu.: 2.000                      3rd Qu.: 1.0000   3rd Qu.:1.0000   3rd Qu.: 2.000
Max.    :20.000                      Max.    :15.0000   Max.    :9.0000   Max.    :22.000
   s09a1_27        s09a1_28        s09a1d08        s09a1_29        s09a1_30
Min.    : 0.000   Length:12240       Min.    :0.0000   Min.    : 0.0000   Min.    : 0.000
1st Qu.: 1.000   Class :character   1st Qu.:0.0000   1st Qu.: 0.0000   1st Qu.: 1.000
Median : 2.000   Mode  :character   Median :0.0000   Median : 0.0000   Median : 1.000
Mean   : 1.819                      Mean   :0.5191   Mean   : 0.5086   Mean   : 1.696
3rd Qu.: 2.000                      3rd Qu.:1.0000   3rd Qu.: 1.0000   3rd Qu.: 2.000
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 Max.    :27.000                    Max.    :5.0000   Max.    :11.0000   Max.    :23.000
    s09a1_31        s09a1_32           s09a1d09        s09a1_33         s09a1_34
 Min.    : 0.000   Length:12240      Min.    :0.0000   Min.    : 0.0000   Min.    : 0.000
 1st Qu.: 1.000   Class :character   1st Qu.:0.0000   1st Qu.: 0.0000   1st Qu.: 1.000
 Median : 2.000   Mode  :character   Median :0.0000   Median : 0.0000   Median : 1.000
 Mean   : 1.821                     Mean   :0.5144   Mean   : 0.5078   Mean   : 1.685
 3rd Qu.: 2.000                     3rd Qu.:1.0000   3rd Qu.: 1.0000   3rd Qu.: 2.000
 Max.    :11.000                    Max.    :6.0000   Max.    :10.0000   Max.    :13.000
    s09a1_35        s09a1_36           s09a1d10         s09a1_37         s09a1_38
 Min.    : 0.000   Length:12240      Min.    : 0.0000   Min.    :0.0000   Min.    : 0.000
 1st Qu.: 1.000   Class :character   1st Qu.: 0.0000   1st Qu.:0.0000   1st Qu.: 1.000
 Median : 2.000   Mode  :character   Median : 0.0000   Median :0.0000   Median : 1.000
 Mean   : 1.814                     Mean   : 0.5208   Mean   :0.5102   Mean   : 1.691
 3rd Qu.: 2.000                     3rd Qu.: 1.0000   3rd Qu.:1.0000   3rd Qu.: 2.000
 Max.    :30.000                    Max.    :11.0000   Max.    :6.0000   Max.    :13.000
    s09a1_39        s09a1_40           s09a1d11         s09a1_41         s09a1_42
 Min.    : 0.000   Length:12240      Min.    :0.000   Min.    : 0.0000   Min.    : 0.000
 1st Qu.: 1.000   Class :character   1st Qu.:0.000   1st Qu.: 0.0000   1st Qu.: 1.000
 Median : 2.000   Mode  :character   Median :0.000   Median : 0.0000   Median : 1.000
 Mean   : 1.817                     Mean   :0.519   Mean   : 0.5093   Mean   : 1.698
 3rd Qu.: 2.000                     3rd Qu.:1.000   3rd Qu.: 1.0000   3rd Qu.: 2.000
 Max.    :10.000                    Max.    :5.000   Max.    :10.0000   Max.    :18.000
    s09a1_43        s09a1_44           s09a1d12         s09a1_45         s09a1_46
 Min.    : 0.000   Length:12240      Min.    :0.0000   Min.    :0.0000   Min.    : 0.000
 1st Qu.: 1.000   Class :character   1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.: 1.000
 Median : 2.000   Mode  :character   Median :0.0000   Median :0.0000   Median : 1.000
 Mean   : 1.812                     Mean   :0.5203   Mean   :0.5065   Mean   : 1.686
 3rd Qu.: 2.000                     3rd Qu.:1.0000   3rd Qu.:1.0000   3rd Qu.: 2.000
 Max.    :20.000                    Max.    :8.0000   Max.    :9.0000   Max.    :13.000
    s09a1_47        s09a1_48           s09a1d13         s09a1_49         s09a1_50
 Min.    : 0.000   Length:12240      Min.    :0.0000   Min.    :0.0000   Min.    : 0.000
 1st Qu.: 1.000   Class :character   1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.: 1.000
 Median : 2.000   Mode  :character   Median :0.0000   Median :0.0000   Median : 1.000
 Mean   : 1.805                     Mean   :0.5155   Mean   :0.5042   Mean   : 1.677
 3rd Qu.: 2.000                     3rd Qu.:1.0000   3rd Qu.:1.0000   3rd Qu.: 2.000
 Max.    :20.000                    Max.    :5.0000   Max.    :6.0000   Max.    :13.000
    s09a1_51        s09a1_52           s09a1d14         s09a1_53         s09a1_54
 Min.    : 0.000   Length:12240      Min.    :0.0000   Min.    : 0.0000   Min.    : 0.000
 1st Qu.: 1.000   Class :character   1st Qu.:0.0000   1st Qu.: 0.0000   1st Qu.: 1.000
 Median : 2.000   Mode  :character   Median :0.0000   Median : 0.0000   Median : 1.000
 Mean   : 1.799                     Mean   :0.5151   Mean   : 0.5096   Mean   : 1.685
 3rd Qu.: 2.000                     3rd Qu.:1.0000   3rd Qu.: 1.0000   3rd Qu.: 2.000
 Max.    :11.000                    Max.    :5.0000   Max.    :20.0000   Max.    :18.000
    s09a1_55        s09a1_56          s09b1w1_          s09b1w2_
 Min.    : 0.00   Length:12240      Length:12240      Length:12240
 1st Qu.: 1.00   Class :character   Class :character   Class :character
 Median : 2.00   Mode  :character   Mode  :character   Mode  :character
 Mean   : 1.81
 3rd Qu.: 2.00
 Max.    :20.00


## 2 ####  rt002  #########
     psu              hhold             idcode            resid1a         s01a_q01
 Length:55580       Length:55580       Length:55580       Min.    : 1.000   Length:55580
 Class :character   Class :character   Class :character   1st Qu.: 1.000   Class :character
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Mode  :character   Mode  :character   Mode  :character   Median : 2.000   Mode  :character
                                                         Mean   : 1.849
                                                         3rd Qu.: 2.000
                                                         Max.   :51.000

   s01a_q02        s01a_q03         s01a_q04         s01a_q05        s01a_q06
Min.   :1.000   Min.   : 1.000   Min.   :  0.00   Min.   :1.000   Min.   :1.000
1st Qu.:1.000   1st Qu.: 2.000   1st Qu.: 10.00   1st Qu.:1.000   1st Qu.:1.000
Median :2.000   Median : 3.000   Median : 23.00   Median :1.000   Median :2.000
Mean   :1.505   Mean   : 2.818   Mean   : 26.64   Mean   :1.138   Mean   :1.596
3rd Qu.:2.000   3rd Qu.: 3.000   3rd Qu.: 40.00   3rd Qu.:1.000   3rd Qu.:2.000
Max.   :2.000   Max.   :14.000   Max.   :130.00   Max.   :5.000   Max.   :5.000

   s01a_q07        s01a_q08         s01a_q09        s01a_q10        s01a_q11
Min.   :1.000   Min.   : 0.000   Min.   : 0.00   Min.   : 0.00   Min.   :1.000
1st Qu.:1.000   1st Qu.: 0.000   1st Qu.: 1.00   1st Qu.: 2.00   1st Qu.:2.000
Median :2.000   Median : 0.000   Median :99.00   Median : 7.00   Median :2.000
Mean   :1.713   Mean   : 3.869   Mean   :57.05   Mean   :49.44   Mean   :1.996
3rd Qu.:2.000   3rd Qu.: 2.000   3rd Qu.:99.00   3rd Qu.:99.00   3rd Qu.:2.000
Max.   :2.000   Max.   :99.000   Max.   :99.00   Max.   :99.00   Max.   :2.000

   s01a_q12          s01b_q01        s01b_q02        s01b_q03          s01b_q04
Min.   :0.00000   Min.   :0.000   Min.   :0.000   Min.   :0.000000   Min.   : 0.000
1st Qu.:0.00000   1st Qu.:1.000   1st Qu.:0.000   1st Qu.:0.000000   1st Qu.: 0.000
Median :0.00000   Median :2.000   Median :2.000   Median :0.000000   Median : 2.000
Mean   :0.01292   Mean   :1.505   Mean   :1.209   Mean   :0.005991   Mean   : 1.855
3rd Qu.:0.00000   3rd Qu.:2.000   3rd Qu.:2.000   3rd Qu.:0.000000   3rd Qu.: 3.000
Max.   :7.00000   Max.   :2.000   Max.   :2.000   Max.   :2.000000   Max.   :25.000

   resid1c          s01c_q01        s01c_q02          s01c_q03         s01c_q_1
Min.   : 0.000   Min.   :0.000   Min.   : 0.0000   Min.   : 0.000   Min.   :   0.0
1st Qu.: 1.000   1st Qu.:2.000   1st Qu.: 0.0000   1st Qu.: 0.000   1st Qu.:   0.0
Median : 2.000   Median :2.000   Median : 0.0000   Median : 0.000   Median :   0.0
Mean   : 1.838   Mean   :1.734   Mean   : 0.9029   Mean   : 0.284   Mean   : 124.4
3rd Qu.: 2.000   3rd Qu.:2.000   3rd Qu.: 0.0000   3rd Qu.: 0.000   3rd Qu.:   0.0
Max.   :14.000   Max.   :9.000   Max.   :30.0000   Max.   :24.000   Max.   :2810.0
NA's   :5632
   s01c_q04          s01c_q_2          s01c_q_3          s01c_q05          s01c_q_4
Min.   :    0.00   Min.   :0.00000   Min.   :  0.0000   Min.   :    0.00   Min.   :0.00000
1st Qu.:    0.00   1st Qu.:0.00000   1st Qu.:  0.0000   1st Qu.:    0.00   1st Qu.:0.00000
Median :    0.00   Median :0.00000   Median :  0.0000   Median :    0.00   Median :0.00000
Mean   :   19.01   Mean   :0.04262   Mean   :  0.3786   Mean   :   16.85   Mean   :0.04016
3rd Qu.:    0.00   3rd Qu.:0.00000   3rd Qu.:  0.0000   3rd Qu.:    0.00   3rd Qu.:0.00000
Max.   :25000.00   Max.   :8.00000   Max.   :360.0000   Max.   :25000.00   Max.   :8.00000

   s01c_q_5          s01c_q06           s01c_q07        resid2a          s02a_q03
Min.   :  0.0000   Min.   :    0.000   Min.   :0.000   Min.   : 0.000   Min.   :0.000
1st Qu.:  0.0000   1st Qu.:    0.000   1st Qu.:2.000   1st Qu.: 1.000   1st Qu.:1.000
Median :  0.0000   Median :    0.000   Median :2.000   Median : 2.000   Median :1.000
Mean   :  0.3426   Mean   :    2.334   Mean   :2.332   Mean   : 1.889   Mean   :1.274
3rd Qu.:  0.0000   3rd Qu.:    0.000   3rd Qu.:3.000   3rd Qu.: 2.000   3rd Qu.:2.000
Max.   :324.0000   Max.   :17000.000   Max.   :6.000   Max.   :14.000   Max.   :2.000
                                                       NA's   :5650
   s02a_q04          s02a_q05          s02a_q06          s02a_q07         resid2b
Min.   :0.0000   Min.   : 0.000   Min.   :0.0000   Min.   :0.0000   Min.   : 0.00
1st Qu.:0.0000   1st Qu.: 0.000   1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.: 1.00
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Median :1.0000   Median : 1.000   Median :1.0000   Median :0.0000   Median : 2.00
Mean   :0.5357   Mean   : 3.512   Mean   :0.6961   Mean   :0.8679   Mean   : 1.89
3rd Qu.:1.0000   3rd Qu.: 7.000   3rd Qu.:1.0000   3rd Qu.:2.0000   3rd Qu.: 2.00
Max.   :4.0000   Max.   :50.000   Max.   :8.0000   Max.   :6.0000   Max.   :14.00
                                                                    NA's   :5644
   s02b_q01         s02b_q02         s02b_q03         s02b_q04         s02b_q05
Min.   :0.000   Min.   : 0.000   Min.   :0.0000   Min.   :   0.00   Min.   :0.0000
1st Qu.:1.000   1st Qu.: 0.000   1st Qu.:0.0000   1st Qu.:   0.00   1st Qu.:0.0000
Median :2.000   Median : 0.000   Median :0.0000   Median :   0.00   Median :0.0000
Mean   :1.542   Mean   : 1.387   Mean   :0.2462   Mean   :  21.61   Mean   :0.1662
3rd Qu.:2.000   3rd Qu.: 0.000   3rd Qu.:0.0000   3rd Qu.:   0.00   3rd Qu.:0.0000
Max.   :2.000   Max.   :19.000   Max.   :2.0000   Max.   :3600.00   Max.   :2.0000

   s02b_q06          s02b_q07          s02b_q08          s02b_q_1          s02b_q_2
Min.   :    0.00   Min.   :0.00000   Min.   :     0.0   Min.   :    0.00   Min.   :    0.0
1st Qu.:    0.00   1st Qu.:0.00000   1st Qu.:     0.0   1st Qu.:    0.00   1st Qu.:    0.0
Median :    0.00   Median :0.00000   Median :     0.0   Median :    0.00   Median :    0.0
Mean   :   14.29   Mean   :0.02022   Mean   :   113.7   Mean   :   34.01   Mean   :   16.8
3rd Qu.:    0.00   3rd Qu.:0.00000   3rd Qu.:     0.0   3rd Qu.:    0.00   3rd Qu.:    0.0
Max.   :11000.00   Max.   :2.00000   Max.   :800000.0   Max.   :250000.00   Max.   :90000.0

   s02b_q_3          s02b_q_4          s02b_q_5          s02b_q_6          s02b_q_7
Min.   :    0.0   Min.   :    0.0   Min.   :    0.0   Min.   :    0.0   Min.   :    0.0
1st Qu.:    0.0   1st Qu.:    0.0   1st Qu.:    0.0   1st Qu.:    0.0   1st Qu.:    0.0
Median :    0.0   Median :    0.0   Median :    0.0   Median :    0.0   Median :    0.0
Mean   :   61.9   Mean   :  127.4   Mean   :  129.8   Mean   :  131.9   Mean   :  120.7
3rd Qu.:    0.0   3rd Qu.:    0.0   3rd Qu.:    0.0   3rd Qu.:    0.0   3rd Qu.:    0.0
Max.   :39000.0   Max.   :204000.0   Max.   :50000.0   Max.   :12000.0   Max.   :24000.0

   s02b_q_8          s02b_q_9          s02b__10          s02b__11          s02b__12
Min.   :    0.0   Min.   :    0.00   Min.   :    0.00   Min.   :    0.00   Min.   :    0.000
1st Qu.:    0.0   1st Qu.:    0.00   1st Qu.:    0.00   1st Qu.:    0.00   1st Qu.:    0.000
Median :    0.0   Median :    0.00   Median :    0.00   Median :    0.00   Median :    0.000
Mean   :  515.5   Mean   :   93.81   Mean   :   87.03   Mean   :   81.59   Mean   :    1.768
3rd Qu.:    0.0   3rd Qu.:    0.00   3rd Qu.:    0.00   3rd Qu.:    0.00   3rd Qu.:    0.000
Max.   :322000.0   Max.   :96000.00   Max.   :54000.00   Max.   :36000.00   Max.   :10000.000

   s02b__13          s02b__14          s02b__15          s03a_q01         s03a_q02
Min.   :    0.00   Min.   :    0.00   Min.   :    0   Min.   :0.000   Min.   : 0.000
1st Qu.:    0.00   1st Qu.:    0.00   1st Qu.:    0   1st Qu.:2.000   1st Qu.: 0.000
Median :    0.00   Median :    0.00   Median :    0   Median :2.000   Median : 0.000
Mean   :    1.74   Mean   :   25.48   Mean   : 1543   Mean   :1.853   Mean   : 1.121
3rd Qu.:    0.00   3rd Qu.:    0.00   3rd Qu.:    0   3rd Qu.:2.000   3rd Qu.: 0.000
Max.   :42000.00   Max.   :117590.00   Max.   :900100   Max.   :2.000   Max.   :15.000

   s03a_q_1          s03a_q03          s03a_q_2          s03a_q04         s03a_q05
Min.   : 0.0000   Min.   : 0.0000   Min.   : 0.0000   Min.   :0.000   Min.   : 0.000
1st Qu.: 0.0000   1st Qu.: 0.0000   1st Qu.: 0.0000   1st Qu.:2.000   1st Qu.: 0.000
Median : 0.0000   Median : 0.0000   Median : 0.0000   Median :2.000   Median : 0.000
Mean   : 0.2318   Mean   : 0.9758   Mean   : 0.3988   Mean   :1.802   Mean   : 1.052
3rd Qu.: 0.0000   3rd Qu.: 0.0000   3rd Qu.: 0.0000   3rd Qu.:2.000   3rd Qu.: 0.000
Max.   :25.0000   Max.   :96.0000   Max.   :34.0000   Max.   :4.000   Max.   :25.000

   s03a_q_3          s03a_q_4          s03a_q06         s03a_q07          s03a_q08
Min.   : 0.0000   Min.   : 0.00000   Min.   :0.0000   Min.   : 0.00000   Min.   : 0.00
1st Qu.: 0.0000   1st Qu.: 0.00000   1st Qu.:0.0000   1st Qu.: 0.00000   1st Qu.: 0.00
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Median : 0.0000   Median : 0.00000   Median :0.0000   Median : 0.00000   Median : 0.00
Mean   : 0.2518   Mean   : 0.06846   Mean   :0.2118   Mean   : 0.06751   Mean   : 1.54
3rd Qu.: 0.0000   3rd Qu.: 0.00000   3rd Qu.:0.0000   3rd Qu.: 0.00000   3rd Qu.: 0.00
Max.   :25.0000   Max.   :25.00000   Max.   :8.0000   Max.   :12.00000   Max.   :13.00

   s03a_q_5          s03a_q09         s03a_q10        s03a_q11         s03a_q12
Min.   : 0.00000   Min.   :  0.00   Min.   :0.000   Min.   :0.0000   Min.   : 0.00
1st Qu.: 0.00000   1st Qu.:  0.00   1st Qu.:0.000   1st Qu.:0.0000   1st Qu.: 0.00
Median : 0.00000   Median :  0.00   Median :0.000   Median :0.0000   Median : 0.00
Mean   : 0.04863   Mean   :  0.55   Mean   :0.897   Mean   :0.1947   Mean   : 1.51
3rd Qu.: 0.00000   3rd Qu.:  0.00   3rd Qu.:0.000   3rd Qu.:0.0000   3rd Qu.: 0.00
Max.   :13.00000   Max.   :730.00   Max.   :9.000   Max.   :8.0000   Max.   :13.00

   s03a_q13          s03a_q_6         s03a_q14          s03a_q_7         s03a_q15
Min.   : 0.00000   Min.   : 0.000   Min.   : 0.00000   Min.   : 0.000   Min.   : 0.0000
1st Qu.: 0.00000   1st Qu.: 0.000   1st Qu.: 0.00000   1st Qu.: 0.000   1st Qu.: 0.0000
Median : 0.00000   Median : 0.000   Median : 0.00000   Median : 0.000   Median : 0.0000
Mean   : 0.04419   Mean   : 3.085   Mean   : 0.02213   Mean   : 2.324   Mean   : 0.6596
3rd Qu.: 0.00000   3rd Qu.: 0.000   3rd Qu.: 0.00000   3rd Qu.: 0.000   3rd Qu.: 0.0000
Max.   :30.00000   Max.   :60.000   Max.   :30.00000   Max.   :55.000   Max.   :20.0000

   s03a_q16         s03a_q17          s03a_q_8          s03a_q_9          s03a__10
Min.   :0.000   Min.   :   0.00   Min.   :     0.00   Min.   :     0.0   Min.   :    0.00
1st Qu.:0.000   1st Qu.:   0.00   1st Qu.:     0.00   1st Qu.:     0.0   1st Qu.:    0.00
Median :0.000   Median :   0.00   Median :     0.00   Median :     0.0   Median :    0.00
Mean   :0.203   Mean   :  10.49   Mean   :    10.59   Mean   :    92.3   Mean   :   17.01
3rd Qu.:0.000   3rd Qu.:   0.00   3rd Qu.:     0.00   3rd Qu.:     0.0   3rd Qu.:    0.00
Max.   :6.000   Max.   :6500.00   Max.   :100000.00   Max.   :400000.0   Max.   :15000.00

   s03a__11          s03a__12          s03a__13          s03a__14
Min.   :    0.000   Min.   :    0.00   Min.   :    0.000   Min.   :    0.000
1st Qu.:    0.000   1st Qu.:    0.00   1st Qu.:    0.000   1st Qu.:    0.000
Median :    0.000   Median :    0.00   Median :    0.000   Median :    0.000
Mean   :    8.888   Mean   :    2.37   Mean   :    5.871   Mean   :    1.599
3rd Qu.:    0.000   3rd Qu.:    0.00   3rd Qu.:    0.000   3rd Qu.:    0.000
Max.   :18000.000   Max.   :90000.00   Max.   :30000.000   Max.   :15000.000

   s03a__15          s03a__16          s03a__17          s03a_q18          s03a__18
Min.   :   0.0000   Min.   :    0.00   Min.   :     0.0   Min.   : 0.0000   Min.   : 0.0000
1st Qu.:   0.0000   1st Qu.:    0.00   1st Qu.:     0.0   1st Qu.: 0.0000   1st Qu.: 0.0000
Median :   0.0000   Median :    0.00   Median :     0.0   Median : 0.0000   Median : 0.0000
Mean   :   0.2105   Mean   :    1.45   Mean   :   150.8   Mean   : 0.3226   Mean   : 0.0538
3rd Qu.:   0.0000   3rd Qu.:    0.00   3rd Qu.:     0.0   3rd Qu.: 0.0000   3rd Qu.: 0.0000
Max.   :2000.0000   Max.   :38580.00   Max.   :503000.0   Max.   :11.0000   Max.   :11.0000

   s03a__19          s03b_q01          s03b_q_1         s03b_q02         s03b_q03
Min.   : 0.00000   Min.   : 0.0000   Min.   :   0   Min.   : 0.000   Min.   :0.0000
1st Qu.: 0.00000   1st Qu.: 0.0000   1st Qu.:   0   1st Qu.: 0.000   1st Qu.:0.0000
Median : 0.00000   Median : 0.0000   Median :   0   Median : 0.000   Median :0.0000
Mean   : 0.00766   Mean   : 0.7378   Mean   : 239   Mean   : 3.978   Mean   :0.1254
3rd Qu.: 0.00000   3rd Qu.: 0.0000   3rd Qu.:   0   3rd Qu.: 0.000   3rd Qu.:0.0000
Max.   :95.00000   Max.   :63.0000   Max.   :2908   Max.   :72.000   Max.   :3.0000

   s03b_q04         s03b_q05         s03b_q_2         s03b_q_3         s03b_q_4
Min.   :0.0000   Min.   :0.0000   Min.   :0.0000   Min.   :0.0000   Min.   :0.0000
1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.:0.0000
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Median :0.0000   Median :0.0000   Median :0.0000   Median :0.0000   Median :0.0000
Mean   :0.1363   Mean   :0.1145   Mean   :0.1156   Mean   :0.1174   Mean   :0.1191
3rd Qu.:0.0000   3rd Qu.:0.0000   3rd Qu.:0.0000   3rd Qu.:0.0000   3rd Qu.:0.0000
Max.   :2.0000   Max.   :2.0000   Max.   :2.0000   Max.   :2.0000   Max.   :2.0000

   s03b_q_5         s03b_q_6         s03b_q_7        s03b_q_8         s03b_q_9
Min.   :0.0000   Min.   :0.0000   Min.   :0.00   Min.   :0.0000   Min.   :0.0000
1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.:0.00   1st Qu.:0.0000   1st Qu.:0.0000
Median :0.0000   Median :0.0000   Median :0.00   Median :0.0000   Median :0.0000
Mean   :0.1173   Mean   :0.1187   Mean   :0.12   Mean   :0.1237   Mean   :0.1309
3rd Qu.:0.0000   3rd Qu.:0.0000   3rd Qu.:0.00   3rd Qu.:0.0000   3rd Qu.:0.0000
Max.   :2.0000   Max.   :2.0000   Max.   :2.00   Max.   :2.0000   Max.   :4.0000

   s03b_q06         s03b_q07         s03b_q08         s03c_q01         s03c_q02
Min.   :0.0000   Min.   : 0.0000   Min.   :0.0000   Min.   :0.0000   Min.   :   0.0
1st Qu.:0.0000   1st Qu.: 0.0000   1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.:   0.0
Median :0.0000   Median : 0.0000   Median :0.0000   Median :0.0000   Median :   0.0
Mean   :0.3961   Mean   : 0.2872   Mean   :0.1235   Mean   :0.3184   Mean   : 531.9
3rd Qu.:0.0000   3rd Qu.: 0.0000   3rd Qu.:0.0000   3rd Qu.:1.0000   3rd Qu.:1977.0
Max.   :9.0000   Max.   :30.0000   Max.   :2.0000   Max.   :5.0000   Max.   :9988.0

   s03c_q03         s03c_q04         s03c_q05        s03c_q06         s03c_q07
Min.   :0.0000   Min.   :0.0000   Min.   :0.00   Min.   :0.0000   Min.   :0.0000
1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.:0.00   1st Qu.:0.0000   1st Qu.:0.0000
Median :0.0000   Median :0.0000   Median :0.00   Median :0.0000   Median :0.0000
Mean   :0.4126   Mean   :0.4101   Mean   :0.54   Mean   :0.1246   Mean   :0.6697
3rd Qu.:1.0000   3rd Qu.:0.0000   3rd Qu.:0.00   3rd Qu.:0.0000   3rd Qu.:1.0000
Max.   :7.0000   Max.   :8.0000   Max.   :9.00   Max.   :8.0000   Max.   :7.0000

   s03c_q08         s03c_q09         s03c_q10         s03d_q02        s03d_q03
Min.   :0.000   Min.   :0.0000   Min.   :0.0000   Min.   :0.000   Min.   : 0.000
1st Qu.:0.000   1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.:1.000   1st Qu.: 0.000
Median :0.000   Median :0.0000   Median :0.0000   Median :1.000   Median : 0.000
Mean   :0.451   Mean   :0.4967   Mean   :0.1843   Mean   :1.068   Mean   : 2.683
3rd Qu.:1.000   3rd Qu.:1.0000   3rd Qu.:0.0000   3rd Qu.:1.000   3rd Qu.: 0.000
Max.   :9.000   Max.   :2.0000   Max.   :9.0000   Max.   :4.000   Max.   :99.000

   s03d_q04         s03d_q05         s03d_q06          s03d_q07         s03d_q08
Min.   :0.0000   Min.   :0.000   Min.   : 0.0000   Min.   :0.00000   Min.   :0.00
1st Qu.:0.0000   1st Qu.:1.000   1st Qu.: 0.0000   1st Qu.:0.00000   1st Qu.:1.00
Median :0.0000   Median :1.000   Median : 0.0000   Median :0.00000   Median :1.00
Mean   :0.2218   Mean   :1.028   Mean   : 0.8621   Mean   :0.07643   Mean   :1.03
3rd Qu.:0.0000   3rd Qu.:1.000   3rd Qu.: 0.0000   3rd Qu.:0.00000   3rd Qu.:1.00
Max.   :6.0000   Max.   :4.000   Max.   :99.0000   Max.   :6.00000   Max.   :4.00

   s03d_q09         s03d_q10          s03d_q11        s03d_q12         s03d_q13
Min.   : 0.000   Min.   :0.00000   Min.   :0.000   Min.   : 0.0000   Min.   :0.00000
1st Qu.: 0.000   1st Qu.:0.00000   1st Qu.:1.000   1st Qu.: 0.0000   1st Qu.:0.00000
Median : 0.000   Median :0.00000   Median :1.000   Median : 0.0000   Median :0.00000
Mean   : 1.053   Mean   :0.07893   Mean   :1.017   Mean   : 0.5262   Mean   :0.04097
3rd Qu.: 0.000   3rd Qu.:0.00000   3rd Qu.:1.000   3rd Qu.: 0.0000   3rd Qu.:0.00000
Max.   :99.000   Max.   :6.00000   Max.   :4.000   Max.   :99.0000   Max.   :6.00000

   s03d_q14         s03d_q15         s03d_q16         s03d_q17        s03d_q18
Min.   :0.000   Min.   : 0.000   Min.   :0.0000   Min.   :0.000   Min.   : 0.0000
1st Qu.:1.000   1st Qu.: 0.000   1st Qu.:0.0000   1st Qu.:1.000   1st Qu.: 0.0000
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 Median :1.000   Median : 0.000   Median :0.0000   Median :1.000   Median : 0.0000
 Mean   :1.014   Mean   : 0.373   Mean   :0.0285   Mean   :1.013   Mean   : 0.2578
 3rd Qu.:1.000   3rd Qu.: 0.000   3rd Qu.:0.0000   3rd Qu.:1.000   3rd Qu.: 0.0000
 Max.   :4.000   Max.   :99.000   Max.   :6.0000   Max.   :4.000   Max.   :99.0000

    s03d_q19          s03d_q20         s03d_q_1         s03d_q_2         s03d_q21
 Min.   :0.00000   Min.   :0.0000   Min.   :0.0000   Min.   :0.0000   Min.   : 0.0000
 1st Qu.:0.00000   1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.:0.0000   1st Qu.: 0.0000
 Median :0.00000   Median :0.0000   Median :0.0000   Median :0.0000   Median : 0.0000
 Mean   :0.02386   Mean   :0.1033   Mean   :0.1404   Mean   :0.1114   Mean   : 0.2099
 3rd Qu.:0.00000   3rd Qu.:0.0000   3rd Qu.:0.0000   3rd Qu.:0.0000   3rd Qu.: 0.0000
 Max.   :6.00000   Max.   :2.0000   Max.   :2.0000   Max.   :2.0000   Max.   :10.0000


## 3 ####  rt003  #########
     psu               hhold              serial              idcode         s04a_q01
 Length:18067       Length:18067       Length:18067       Min.   : 0.000   Length:18067
 Class :character   Class :character   Class :character   1st Qu.: 1.000   Class :character
 Mode  :character   Mode  :character   Mode  :character   Median : 1.000   Mode  :character
                                                          Mean   : 2.099
                                                          3rd Qu.: 3.000
                                                          Max.   :17.000
                                                          NA's   :15
   s04a_q_1           s04a_q_2           s04a_q02        s04a_q03        s04a_q04
 Length:18067       Length:18067       Min.   : 1.00   Min.   : 1.00   Min.   : 1.000
 Class :character   Class :character   1st Qu.:12.00   1st Qu.:20.00   1st Qu.: 8.000
 Mode  :character   Mode  :character   Median :12.00   Median :25.00   Median : 8.000
                                       Mean   :10.83   Mean   :24.18   Mean   : 8.356
                                       3rd Qu.:12.00   3rd Qu.:30.00   3rd Qu.:10.000
                                       Max.   :30.00   Max.   :50.00   Max.   :26.000

    s04a_q05        s04a_q_3           s04a_q06        s04a_q07        s04a_q08
 Min.   :1.000   Length:18067       Min.   :1.000   Min.   :0.000   Min.   :0.000
 1st Qu.:1.000   Class :character   1st Qu.:1.000   1st Qu.:0.000   1st Qu.:0.000
 Median :1.000   Mode  :character   Median :2.000   Median :0.000   Median :1.000
 Mean   :1.373                      Mean   :1.624   Mean   :0.647   Mean   :1.546
 3rd Qu.:2.000                      3rd Qu.:2.000   3rd Qu.:1.000   3rd Qu.:2.000
 Max.   :2.000                      Max.   :2.000   Max.   :4.000   Max.   :4.000
                                                    NA's   :539     NA's   :484
    idcode2          s04b_q01         s04b_q02          s04b_q_1          s04b_q_2
 Min.   : 1.000   Min.   :0.0000   Min.   :    0.00   Min.   :   0.00   Min.   :   0.00
 1st Qu.: 1.000   1st Qu.:0.0000   1st Qu.:    0.00   1st Qu.:   0.00   1st Qu.:   0.00
 Median : 1.000   Median :1.0000   Median :    0.00   Median :   0.00   Median :   0.00
 Mean   : 2.264   Mean   :0.8172   Mean   :   70.23   Mean   :  46.84   Mean   :  52.74
 3rd Qu.: 3.000   3rd Qu.:1.0000   3rd Qu.:  150.00   3rd Qu.: 100.00   3rd Qu.: 100.00
 Max.   :17.000   Max.   :2.0000   Max.   :10000.00   Max.   :3000.00   Max.   :4000.00
 NA's   :7870     NA's   :495      NA's   :711        NA's   :711
    s04b_q03         s04b_q04         s04b_q05          s04b_q_3          s04b_q06
 Min.   :0.0000   Min.   :0.000   Min.   :   0.0000   Min.   :   0.000   Min.   :0.0000
 1st Qu.:0.0000   1st Qu.:0.000   1st Qu.:   0.0000   1st Qu.:   0.000   1st Qu.:0.0000
 Median :0.0000   Median :0.000   Median :   0.0000   Median :   0.000   Median :0.0000
 Mean   :0.6704   Mean   :0.087   Mean   :   0.3101   Mean   :   1.184   Mean   :0.7828
 3rd Qu.:2.0000   3rd Qu.:0.000   3rd Qu.:   0.0000   3rd Qu.:   0.000   3rd Qu.:0.0000
 Max.   :2.0000   Max.   :5.000   Max.   :1000.0000   Max.   :3600.000   Max.   :9.0000
 NA's   :713      NA's   :1005    NA's   :1           NA's   :1          NA's   :806
```

```
   s04b_q07          s04b_q08         s04b_q09
 Min.   :     0   Min.   :    0   Min.   :     0
 1st Qu.:     0   1st Qu.:    0   1st Qu.:     0
 Median :     0   Median :    0   Median :     0
 Mean   :  1671   Mean   : 1433   Mean   :  1809
 3rd Qu.:     0   3rd Qu.:    0   3rd Qu.:     0
 Max.   :100000   Max.   :95000   Max.   :360000
 NA's   :807      NA's   :1       NA's   :1


## 4 ####  rt004  #########
     psu               hhold              enumber        s05a_q01          s05a_q_1
 Length:3497        Length:3497        Min.   :1.000   Length:3497        Length:3497
 Class :character   Class :character   1st Qu.:1.000   Class :character   Class :character
 Mode  :character   Mode  :character   Median :1.000   Mode  :character   Mode  :character
                                       Mean   :1.145
                                       3rd Qu.:1.000
                                       Max.   :5.000

   s05a_q02         s05a_q_2          s05a_q_3          s05a_q_4          s05a_q_5
 Min.   : 0.000   Min.   : 0.0000   Min.   : 0.00000   Min.   : 0.00000   Min.   :0.000000
 1st Qu.: 1.000   1st Qu.: 0.0000   1st Qu.: 0.00000   1st Qu.: 0.00000   1st Qu.:0.000000
 Median : 1.000   Median : 0.0000   Median : 0.00000   Median : 0.00000   Median :0.000000
 Mean   : 1.747   Mean   : 0.3431   Mean   : 0.08791   Mean   : 0.01346   Mean   :0.002292
 3rd Qu.: 1.000   3rd Qu.: 0.0000   3rd Qu.: 0.00000   3rd Qu.: 0.00000   3rd Qu.:0.000000
 Max.   :15.000   Max.   :12.0000   Max.   :12.00000   Max.   :13.00000   Max.   :8.000000
 NA's   :1        NA's   :5         NA's   :5          NA's   :5          NA's   :6
   s05a_q03        s05a_q_6         s05a_q04        s05a_q05       s05a_q06
 Min.   : 0.00   Min.   : 0.000   Min.   :1.000   Min.   : 1.0   Min.   :  1.00
 1st Qu.: 4.00   1st Qu.: 0.000   1st Qu.:2.000   1st Qu.:12.0   1st Qu.:100.00
 Median : 8.00   Median : 3.000   Median :4.000   Median :12.0   Median :100.00
 Mean   :10.15   Mean   : 3.061   Mean   :3.441   Mean   :11.2   Mean   : 96.09
 3rd Qu.:14.00   3rd Qu.: 6.000   3rd Qu.:5.000   3rd Qu.:12.0   3rd Qu.:100.00
 Max.   :97.00   Max.   :12.000   Max.   :5.000   Max.   :72.0   Max.   :100.00

   s05a_q07         s05a_q08       s05a_q_7         s05a_q09        s05a_q10        s05a_q_8
 Min.   :  1.00   Min.   :0.0   Min.   :0.0000   Min.   :0.000   Min.   : 0.00   Min.   : 0.00
 1st Qu.:100.00   1st Qu.:1.0   1st Qu.:0.0000   1st Qu.:1.000   1st Qu.: 2.00   1st Qu.: 0.00
 Median :100.00   Median :1.0   Median :0.0000   Median :2.000   Median : 2.00   Median : 0.00
 Mean   : 96.14   Mean   :1.2   Mean   :0.6955   Mean   :2.023   Mean   : 2.72   Mean   : 1.23
 3rd Qu.:100.00   3rd Qu.:1.0   3rd Qu.:0.0000   3rd Qu.:3.000   3rd Qu.: 2.00   3rd Qu.: 2.00
 Max.   :100.00   Max.   :5.0   Max.   :5.0000   Max.   :3.000   Max.   :11.00   Max.   :71.00
                  NA's   :3     NA's   :138      NA's   :3       NA's   :3       NA's   :124
   s05b_q11          s05b_q12         s05b_q_1         s05b_q13          s05b_q14
 Min.   : 0.0000   Min.   : 0.000   Min.   : 0.000   Min.   :       0   Min.   :      0
 1st Qu.: 0.0000   1st Qu.: 1.000   1st Qu.: 0.000   1st Qu.:   62175   1st Qu.:      0
 Median : 0.0000   Median : 1.000   Median : 0.000   Median :  151800   Median :      0
 Mean   : 0.8871   Mean   : 2.238   Mean   : 2.069   Mean   :  495253   Mean   :  22619
 3rd Qu.: 0.0000   3rd Qu.: 2.000   3rd Qu.: 2.000   3rd Qu.:  411800   3rd Qu.:      0
 Max.   :600.0000  Max.   :13.000   Max.   :16.000   Max.   :56000000   Max.   :2640000
 NA's   :8         NA's   :3        NA's   :130                         NA's   :1
   s05b_q15          s05b_q16         s05b_q17         s05b_q18          s05b_q19
 Min.   :      0   Min.   :      0   Min.   :      0   Min.   :       0   Min.   :     0
 1st Qu.:      0   1st Qu.:      0   1st Qu.:      0   1st Qu.:       0   1st Qu.:   500
 Median :      0   Median :      0   Median :   1200   Median :   15000   Median :  2000
 Mean   :   8329   Mean   :  32056   Mean   :   8660   Mean   :  314411   Mean   : 10648
```

```
 3rd Qu.:   7000   3rd Qu.:       0   3rd Qu.:   3600   3rd Qu.:  200175   3rd Qu.:   7200
 Max.   :1800000   Max.   :7200000   Max.   :7200000   Max.   :53000000   Max.   :1600000
 NA's   :1                           NA's   :1         NA's   :2
    s05b_q20          s05b_q21          s05b_q22          s05b_q23
 Min.   :       0   Min.   :       0   Min.   :       0   Min.   :       0
 1st Qu.:  36000   1st Qu.:       0   1st Qu.:       0   1st Qu.:    4000
 Median :  60000   Median :       0   Median :       0   Median :   30000
 Mean   :  98721   Mean   :    9806   Mean   :   45085   Mean   :  287675
 3rd Qu.: 104600   3rd Qu.:       0   3rd Qu.:       0   3rd Qu.:  120000
 Max.   :5627380   Max.   :5000000   Max.   :100000000   Max.   :90000000
                   NA's   :8         NA's   :9           NA's   :8
```

```
## 5 ####  rt005  #########
     psu                hhold             shock_co        s06b_q02        s06b_q03
 Length:220012      Length:220012      Min.   :101.0   Min.   :1.000   Min.   : 0.00000
 Class :character   Class :character   1st Qu.:105.0   1st Qu.:2.000   1st Qu.: 0.00000
 Mode  :character   Mode  :character   Median :109.0   Median :2.000   Median : 0.00000
                                       Mean   :109.5   Mean   :1.992   Mean   : 0.04933
                                       3rd Qu.:114.0   3rd Qu.:2.000   3rd Qu.: 0.00000
                                       Max.   :118.0   Max.   :2.000   Max.   :12.00000
    s06b_q04          s06b_q05          s06b_q_1          s06b_q_2          s06b_q_3
 Min.   :  0.0000   Min.   :0.000000   Min.   :0.00000   Min.   :0.00000   Min.   :0.00000
 1st Qu.:  0.0000   1st Qu.:0.000000   1st Qu.:0.00000   1st Qu.:0.00000   1st Qu.:0.00000
 Median :  0.0000   Median :0.000000   Median :0.00000   Median :0.00000   Median :0.00000
 Mean   :  0.3165   Mean   :0.009722   Mean   :0.01186   Mean   :0.01081   Mean   :0.01189
 3rd Qu.:  0.0000   3rd Qu.:0.000000   3rd Qu.:0.00000   3rd Qu.:0.00000   3rd Qu.:0.00000
 Max.   :365.0000   Max.   :5.000000   Max.   :2.00000   Max.   :2.00000   Max.   :2.00000
    s06b_q06          s06b_q_4          s06b_q_5
 Min.   : 0.00000   Min.   : 0.00000   Min.   : 0.00000
 1st Qu.: 0.00000   1st Qu.: 0.00000   1st Qu.: 0.00000
 Median : 0.00000   Median : 0.00000   Median : 0.00000
 Mean   : 0.05445   Mean   : 0.02638   Mean   : 0.01545
 3rd Qu.: 0.00000   3rd Qu.: 0.00000   3rd Qu.: 0.00000
 Max.   :16.00000   Max.   :16.00000   Max.   :16.00000
```

```
## 6 ####  rt006  #########
     psu                hhold                 ln           crop_cod        s07b_q02
 Length:186980      Length:186980      Min.   : 1.00   Min.   : 1.0   Min.   :1.000
 Class :character   Class :character   1st Qu.:10.00   1st Qu.:10.0   1st Qu.:2.000
 Mode  :character   Mode  :character   Median :20.00   Median :21.0   Median :2.000
                                       Mean   :19.81   Mean   :22.3   Mean   :1.867
                                       3rd Qu.:30.00   3rd Qu.:31.0   3rd Qu.:2.000
                                       Max.   :39.00   Max.   :48.0   Max.   :2.000

    s07b_q03          s07b_q04          s07b_q_1          s07b_q05          s07b_q06
 Min.   :   0.00   Min.   :    0.0   Min.   :  0.000   Min.   :    0.00   Min.   :    0.00
 1st Qu.:   0.00   1st Qu.:    0.0   1st Qu.:  0.000   1st Qu.:    0.00   1st Qu.:    0.00
 Median :   0.00   Median :    0.0   Median :  0.000   Median :    0.00   Median :    0.00
 Mean   :   4.71   Mean   :  121.2   Mean   :  2.341   Mean   :   36.86   Mean   :   50.46
 3rd Qu.:   0.00   3rd Qu.:    0.0   3rd Qu.:  0.000   3rd Qu.:    0.00   3rd Qu.:    0.00
 Max.   :4000.00   Max.   :96000.0   Max.   :500.000   Max.   :77800.00   Max.   :95120.00

   s07b_q07          s07b_q08          s07b_q_2          s07b_q_3          s07b_q_4
 Min.   :   0.00   Min.   :   0.000   Min.   :  0.000   Min.   :  0.000   Min.   :   0.000
```

```
 1st Qu.:    0.00   1st Qu.:    0.000   1st Qu.:   0.000   1st Qu.:   0.000   1st Qu.:    0.000
 Median :    0.00   Median :    0.000   Median :   0.000   Median :   0.000   Median :    0.000
 Mean   :   16.36   Mean   :    6.541   Mean   :   1.557   Mean   :   0.854   Mean   :    6.929
 3rd Qu.:    0.00   3rd Qu.:    0.000   3rd Qu.:   0.000   3rd Qu.:   0.000   3rd Qu.:    0.000
 Max.   :56000.00   Max.   :24000.000   Max.   :9000.000   Max.   :4000.000   Max.   :30000.000

    s07b_q_5           s07b_q_6           s07b_q_7           price
 Min.   :    0.000   Min.   :    0.000   Min.   :    0.0   Min.   : 0.00
 1st Qu.:    0.000   1st Qu.:    0.000   1st Qu.:    0.0   1st Qu.: 0.00
 Median :    0.000   Median :    0.000   Median :    0.0   Median : 5.00
 Mean   :    0.613   Mean   :    1.003   Mean   :   17.5   Mean   : 9.73
 3rd Qu.:    0.000   3rd Qu.:    0.000   3rd Qu.:    0.0   3rd Qu.:18.00
 Max.   :5000.000   Max.   :5000.000   Max.   :30000.0   Max.   :50.00
                                                          NA's   :177495


## 7 ####  rt007  #########
     psu              hhold             liv_code        s07c_q02          s07c_q_1
 Length:80424       Length:80424       Min.   :  0.0   Min.   :   0.00   Min.   :      0
 Class :character   Class :character   1st Qu.:203.0   1st Qu.:   0.00   1st Qu.:      0
 Mode  :character   Mode  :character   Median :205.0   Median :   0.00   Median :      0
                                       Mean   :205.5   Mean   :   2.03   Mean   :   3982
                                       3rd Qu.:208.0   3rd Qu.:   1.00   3rd Qu.:    300
                                       Max.   :210.0   Max.   :4500.00   Max.   :3002400

    s07c_q03           s07c_q_2           s07c_q04          s07c_q_3           s07c_q05
 Min.   :    0.000   Min.   :      0.0   Min.   :   0.0   Min.   :       0   Min.   : 0.000
 1st Qu.:    0.000   1st Qu.:      0.0   1st Qu.:   0.0   1st Qu.:       0   1st Qu.: 0.000
 Median :    0.000   Median :      0.0   Median :   0.0   Median :       0   Median : 0.000
 Mean   :    1.644   Mean   :    762.9   Mean   :   1.1   Mean   :     928   Mean   : 0.535
 3rd Qu.:    0.000   3rd Qu.:      0.0   3rd Qu.:   0.0   3rd Qu.:       0   3rd Qu.: 0.000
 Max.   :5000.000   Max.   :1200800.0   Max.   :9000.0   Max.   :11000000   Max.   :300.000

    s07c_q_4
 Min.   :     0.0
 1st Qu.:     0.0
 Median :     0.0
 Mean   :   104.4
 3rd Qu.:     0.0
 Max.   :108400.0
 NA's   :1


## 8 ####  rt008  #########
     psu              hhold             prod_cod        s07c_q06          s07c_q_1
 Length:72327       Length:72327       Min.   :211.0   Min.   :    0.0   Min.   :      0
 Class :character   Class :character   1st Qu.:213.0   1st Qu.:    0.0   1st Qu.:      0
 Mode  :character   Mode  :character   Median :215.0   Median :    0.0   Median :      0
                                       Mean   :215.1   Mean   :  164.6   Mean   :    819
                                       3rd Qu.:217.0   3rd Qu.:    0.0   3rd Qu.:      0
                                       Max.   :220.0   Max.   :81365.0   Max.   :3961000
    s07c_q07           s07c_q_2          s07c_q08          s07c_q_3
 Min.   :    0.00   Min.   :      0   Min.   :   0.0   Min.   :     0.0
 1st Qu.:    0.00   1st Qu.:      0   1st Qu.:   0.0   1st Qu.:     0.0
 Median :    0.00   Median :      0   Median :   0.0   Median :     0.0
 Mean   :   29.14   Mean   :    428   Mean   : 131.9   Mean   :   361.8
```

```
 3rd Qu.:     0.00   3rd Qu.:       0   3rd Qu.:     0.0   3rd Qu.:      0.0
 Max.   :81000.00   Max.   :3950100   Max.   :22650.0   Max.   :327520.0


## 9 ####  rt009  #########
     psu              hhold             fish_act        s07c_q10          s07c_q_1
 Length:25241       Length:25241       Min.   :221.0   Min.   :    0.00   Min.   :     0
 Class :character   Class :character   1st Qu.:223.0   1st Qu.:    0.00   1st Qu.:     0
 Mode  :character   Mode  :character   Median :225.0   Median :    0.00   Median :     0
                                       Mean   :225.2   Mean   :   33.91   Mean   :  3194
                                       3rd Qu.:227.0   3rd Qu.:    0.00   3rd Qu.:     0
                                       Max.   :230.0   Max.   :26550.00   Max.   :991250
    s07c_q11          s07c_q_2         s07c_q12          s07c_q_3
 Min.   :    0.00   Min.   :     0   Min.   :    0.00   Min.   :     0.0
 1st Qu.:    0.00   1st Qu.:     0   1st Qu.:    0.00   1st Qu.:     0.0
 Median :    0.00   Median :     0   Median :    0.00   Median :     0.0
 Mean   :   24.05   Mean   :  2319   Mean   :   10.02   Mean   :   921.9
 3rd Qu.:    0.00   3rd Qu.:     0   3rd Qu.:    0.00   3rd Qu.:     0.0
 Max.   :26500.00   Max.   :992000   Max.   :12000.00   Max.   :904500.0


## 10 ####  rt010  #########
     psu              hhold             forestry        s07c_q14          s07c_q_1
 Length:45643       Length:45643       Min.   :231.0   Min.   :    0.00   Min.   :     0
 Class :character   Class :character   1st Qu.:233.0   1st Qu.:    0.00   1st Qu.:     0
 Mode  :character   Mode  :character   Median :235.0   Median :    0.00   Median :     0
                                       Mean   :235.5   Mean   :   24.04   Mean   :  5130
                                       3rd Qu.:238.0   3rd Qu.:    2.00   3rd Qu.:   600
                                       Max.   :240.0   Max.   :40000.00   Max.   :922000
    s07c_q15          s07c_q16
 Min.   :     0.0   Min.   :    0
 1st Qu.:     0.0   1st Qu.:    0
 Median :     0.0   Median :    0
 Mean   :   253.2   Mean   :  212
 3rd Qu.:     0.0   3rd Qu.:    0
 Max.   :200000.0   Max.   :88000


## 11 ####  rt011  #########
     psu              hhold                ln          exp_agri        s07d_q01
 Length:247753      Length:247753      Min.   : 1.00   Min.   :301.0   Min.   :0.000
 Class :character   Class :character   1st Qu.: 6.00   1st Qu.:306.0   1st Qu.:2.000
 Mode  :character   Mode  :character   Median :11.00   Median :312.0   Median :2.000
                                       Mean   :10.81   Mean   :311.7   Mean   :1.807
                                       3rd Qu.:16.00   3rd Qu.:317.0   3rd Qu.:2.000
                                       Max.   :21.00   Max.   :330.0   Max.   :2.000
    s07d_q02          s07d_q_1
 Min.   :   0.00   Min.   :     0
 1st Qu.:   0.00   1st Qu.:     0
 Median :   0.00   Median :     0
 Mean   :  22.67   Mean   :   827
 3rd Qu.:   0.00   3rd Qu.:     0
 Max.   :9908.00   Max.   :750000


## 12 ####  rt012  #########
```

```
     psu              hhold                ln        agric_as        s07e_q01
 Length:228631      Length:228631      Min.    : 1   Min.    :401.0   Min.    :  0.0000
 Class :character   Class :character   1st Qu.: 5   1st Qu.:405.0   1st Qu.:  0.0000
 Mode  :character   Mode  :character   Median :10   Median :411.0   Median :  0.0000
                                       Mean   :10   Mean   :410.5   Mean   :  0.0424
                                       3rd Qu.:15   3rd Qu.:416.0   3rd Qu.:  0.0000
                                       Max.   :19   Max.   :420.0   Max.   :400.0000
    s07e_q_1           s07e_q02          s07e_q_2           s07e_q03          s07e_q_3
 Min.    :     0.0   Min.    :  0.000   Min.    :     0.0   Min.    :0.0e+00   Min.    :0.00e+00
 1st Qu.:     0.0   1st Qu.:  0.000   1st Qu.:     0.0   1st Qu.:0.0e+00   1st Qu.:0.00e+00
 Median :     0.0   Median :  0.000   Median :     0.0   Median :0.0e+00   Median :0.00e+00
 Mean   :   246.3   Mean   :  0.024   Mean   :    44.5   Mean   :9.4e-03   Mean   :5.59e+00
 3rd Qu.:     0.0   3rd Qu.:  0.000   3rd Qu.:     0.0   3rd Qu.:0.0e+00   3rd Qu.:0.00e+00
 Max.   :900000.0   Max.   :800.000   Max.   :820000.0   Max.   :7.0e+02   Max.   :2.50e+05
    s07e_q04
 Min.    :     0.00
 1st Qu.:     0.00
 Median :     0.00
 Mean   :    44.99
 3rd Qu.:     0.00
 Max.   :175000.00


## 13 ####  rt013  #########
     psu              hhold              migrant_       s08c_q03           s08c_q04
 Length:2100        Length:2100        Min.    :91.00   Length:2100        Min.    : 1.000
 Class :character   Class :character   1st Qu.:91.00   Class :character   1st Qu.: 2.000
 Mode  :character   Mode  :character   Median :91.00   Mode  :character   Median : 3.000
                                       Mean   :91.24                      Mean   : 3.083
                                       3rd Qu.:91.00                      3rd Qu.: 3.000
                                       Max.   :95.00                      Max.   :14.000

    s08c_q05         s08c_q_1          s08c_q06        s08c_q07           s08c_q08
 Min.    : 0.00   Min.    : 0.000   Min.    :1.000   Length:2100        Min.    : 0.000
 1st Qu.: 0.00   1st Qu.: 2.000   1st Qu.:1.000   Class :character   1st Qu.: 0.000
 Median : 2.00   Median : 3.000   Median :2.000   Mode  :character   Median : 1.000
 Mean   : 3.14   Mean   : 5.152   Mean   :1.653                      Mean   : 4.853
 3rd Qu.: 6.00   3rd Qu.: 7.000   3rd Qu.:2.000                      3rd Qu.: 9.000
 Max.   :14.00   Max.   :98.000   Max.   :2.000                      Max.   :26.000
 NA's   :1                                                           NA's   :65
    s08c_q09         s08c_q10         s08c_q11         s08c_q12           s0bc_q13
 Min.    : 0.00   Min.    :1.000   Min.    : 0.000   Length:2100        Min.    : 0.00
 1st Qu.:25.00   1st Qu.:1.000   1st Qu.: 5.000   Class :character   1st Qu.: 3.00
 Median :30.00   Median :1.000   Median : 8.000   Mode  :character   Median : 4.00
 Mean   :31.72   Mean   :1.032   Mean   : 7.268                      Mean   : 4.15
 3rd Qu.:38.00   3rd Qu.:1.000   3rd Qu.:10.000                      3rd Qu.: 5.00
 Max.   :83.00   Max.   :2.000   Max.   :19.000                      Max.   :17.00

    s08c_q14          s08c_q15         s08c_q16         s08c_q_2         s08c_q_3
 Min.    :      0   Min.    :0.000   Min.    :0.000   Min.    :0.000   Min.    :0.0000
 1st Qu.:  20000   1st Qu.:4.000   1st Qu.:0.000   1st Qu.:0.000   1st Qu.:0.0000
 Median :  60000   Median :4.000   Median :2.000   Median :0.000   Median :0.0000
 Mean   :  92891   Mean   :4.571   Mean   :3.286   Mean   :1.368   Mean   :0.8716
 3rd Qu.: 120000   3rd Qu.:5.000   3rd Qu.:6.000   3rd Qu.:1.000   3rd Qu.:0.0000
 Max.   :5000000   Max.   :8.000   Max.   :8.000   Max.   :8.000   Max.   :8.0000
                                   NA's   :3       NA's   :59      NA's   :83
```

```
    s08c_q17
 Min.    :     0
 1st Qu.:     0
 Median :  1000
 Mean   :  6517
 3rd Qu.:  6000
 Max.    :300000
```

```
## 14 ####  rt014  #########
     psu               hhold              loan_num         idcode          s08d_q05
 Length:5137        Length:5137        Min.    :20.00   Min.    : 1.000   Min.    : 1.00
 Class :character   Class :character   1st Qu.:20.00   1st Qu.: 1.000   1st Qu.: 8.00
 Mode  :character   Mode  :character   Median :20.00   Median : 2.000   Median :12.00
                                       Mean   :20.25   Mean   : 1.765   Mean   :11.26
                                       3rd Qu.:20.00   3rd Qu.: 2.000   3rd Qu.:14.00
                                       Max.   :25.00   Max.   :11.000   Max.   :23.00
    s08d_q06          s08d_q07         s08d_q08          s08d_q_1         s08d_q09
 Min.    :    400   Min.    :  0.0   Min.    : 0.000   Min.    : 0.00   Min.    :0.000
 1st Qu.:   7000   1st Qu.: 11.0   1st Qu.: 0.000   1st Qu.:10.00   1st Qu.:3.000
 Median :  10000   Median : 12.0   Median : 0.000   Median :13.00   Median :3.000
 Mean   :  30211   Mean   : 14.4   Mean   : 1.324   Mean   :14.25   Mean   :3.288
 3rd Qu.:  20000   3rd Qu.: 12.0   3rd Qu.: 0.000   3rd Qu.:20.00   3rd Qu.:3.000
 Max.    :3000000   Max.    :240.0   Max.    :80.000   Max.    :75.00   Max.    :9.000
    s08d_q_2          s08d_q10         s08d_q11          s08d_q12         s08d_q13
 Min.    :     0   Min.    :0.000   Min.    :      0   Min.    :1.000   Min.    :0.000
 1st Qu.:   205   1st Qu.:2.000   1st Qu.:   3450   1st Qu.:4.000   1st Qu.:1.000
 Median :   330   Median :2.000   Median :   6800   Median :4.000   Median :2.000
 Mean   :  5182   Mean   :1.982   Mean   :  20993   Mean   :4.969   Mean   :1.712
 3rd Qu.:  1200   3rd Qu.:2.000   3rd Qu.:  13800   3rd Qu.:6.000   3rd Qu.:2.000
 Max.    :700000   Max.    :7.000   Max.    :3000000   Max.    :8.000   Max.    :8.000
    s08d_q14
 Min.    :      0
 1st Qu.:      0
 Median :      0
 Mean   :  13253
 3rd Qu.:   8000
 Max.    :5000000
```

```
## 15 ####  rt015  #########
     psu               hhold                 ln             item          s09a1d01
 Length:438559      Length:438559      Min.    :  1   Min.    : 10.00   Min.    :    0.0
 Class :character   Class :character   1st Qu.: 24   1st Qu.: 42.00   1st Qu.:    0.0
 Mode  :character   Mode  :character   Median : 52   Median : 82.00   Median :    0.0
                                       Mean   : 57   Mean   : 87.16   Mean   :  236.2
                                       3rd Qu.: 81   3rd Qu.:122.00   3rd Qu.:  150.0
                                       Max.    :142   Max.    :204.00   Max.    :33500.0
                                       NA's   :3     NA's   :3        NA's   :3
   s09a1d_1           s09a1d_2          s09a1d_3          s09a1d02         s09a1d_4
 Length:438559      Min.    :    0   Min.    :0.000   Min.    :    0.0   Length:438559
 Class :character   1st Qu.:    0   1st Qu.:0.000   1st Qu.:    0.0   Class :character
 Mode  :character   Median :    0   Median :0.000   Median :    0.0   Mode  :character
                    Mean   :  1033   Mean   :0.307   Mean   :  231.9
                    3rd Qu.:  1000   3rd Qu.:1.000   3rd Qu.:  125.0
```

```
                  Max.    :416000   Max.    :4.000   Max.    :33500.0
                  NA's    :3        NA's    :32      NA's    :3
   s09a1d_5         s09a1d_6         s09a1d03         s09a1d_7          s09a1d_8
Min.    :     0   Min.    :0.0000   Min.    :   0.0   Length:438559      Min.    :     0
1st Qu.:     0   1st Qu.:0.0000   1st Qu.:   0.0   Class :character   1st Qu.:     0
Median :     0   Median :0.0000   Median :   0.0   Mode  :character   Median :     0
Mean   :  1004   Mean   :0.3018   Mean   : 231.7                      Mean   :  1018
3rd Qu.:   900   3rd Qu.:0.0000   3rd Qu.: 125.0                      3rd Qu.:   900
Max.    :506900   Max.    :4.0000   Max.    :16000.0                   Max.    :266000
NA's    :3        NA's    :32      NA's    :22                        NA's    :22
   s09a1d_9         s09a1d04         s09a1_10          s09a1_11          s09a1_12
Min.    :0.0000   Min.    :   0.0   Length:438559      Min.    :      0   Min.    :0.0000
1st Qu.:0.0000   1st Qu.:   0.0   Class :character   1st Qu.:      0   1st Qu.:0.0000
Median :0.0000   Median :   0.0   Mode  :character   Median :      0   Median :0.0000
Mean   :0.2966   Mean   : 231.4                      Mean   :   1032   Mean   :0.2957
3rd Qu.:0.0000   3rd Qu.: 125.0                      3rd Qu.:    900   3rd Qu.:0.0000
Max.    :4.0000   Max.    :70000.0                   Max.    :1375000   Max.    :4.0000
NA's    :29       NA's    :22                        NA's    :21        NA's    :27
   s09a1d05         s09a1_13          s09a1_14          s09a1_15         s09a1d06
Min.    :   0.0   Length:438559      Min.    :     0.0   Min.    :0.0000   Min.    :    0.0
1st Qu.:   0.0   Class :character   1st Qu.:     0.0   1st Qu.:0.0000   1st Qu.:    0.0
Median :   0.0   Mode  :character   Median :     0.0   Median :0.0000   Median :    0.0
Mean   : 229.2                     Mean   :   977.4   Mean   :0.2931   Mean   :  226.9
3rd Qu.: 120.0                     3rd Qu.:   900.0   3rd Qu.:0.0000   3rd Qu.:  105.0
Max.    :24500.0                   Max.    :320000.0   Max.    :4.0000   Max.    :23000.0
NA's    :23                        NA's    :24        NA's    :29       NA's    :25
  s09a1_16          s09a1_17         s09a1_18         s09a1d07         s09a1_19
Length:438559      Min.    :     0   Min.    :0.0000   Min.    :   0.0   Length:438559
Class :character   1st Qu.:     0   1st Qu.:0.0000   1st Qu.:   0.0   Class :character
Mode  :character   Median :     0   Median :0.0000   Median :   0.0   Mode  :character
                   Mean   :   965   Mean   :0.2927   Mean   : 225.8
                   3rd Qu.:   900   3rd Qu.:0.0000   3rd Qu.: 103.0
                   Max.    :206000   Max.    :4.0000   Max.    :55000.0
                   NA's    :25       NA's    :31       NA's    :25
   s09a1_20          s09a1_21         s09a1d08         s09a1_22          s09a1_23
Min.    :     0.0   Min.    :0.000   Min.    :   0.0   Length:438559      Min.    :     0.0
1st Qu.:     0.0   1st Qu.:0.000   1st Qu.:   0.0   Class :character   1st Qu.:     0.0
Median :     0.0   Median :0.000   Median :   0.0   Mode  :character   Median :     0.0
Mean   :   957.4   Mean   :0.291   Mean   : 226.7                      Mean   :   950.3
3rd Qu.:   900.0   3rd Qu.:0.000   3rd Qu.: 120.0                      3rd Qu.:   900.0
Max.    :1050000.0   Max.    :4.000   Max.    :13000.0                   Max.    :170000.0
NA's    :25        NA's    :31      NA's    :23                        NA's    :23
   s09a1_24         s09a1d09         s09a1_25          s09a1_26          s09a1_27
Min.    :0.0000   Min.    :   0.0   Length:438559      Min.    :     0.0   Min.    :0.0000
1st Qu.:0.0000   1st Qu.:   0.0   Class :character   1st Qu.:     0.0   1st Qu.:0.0000
Median :0.0000   Median :   0.0   Mode  :character   Median :     0.0   Median :0.0000
Mean   :0.2947   Mean   : 223.7                      Mean   :   935.7   Mean   :0.2888
3rd Qu.:0.0000   3rd Qu.: 102.0                      3rd Qu.:   840.0   3rd Qu.:0.0000
Max.    :4.0000   Max.    :30000.0                   Max.    :132000.0   Max.    :4.0000
NA's    :29       NA's    :26                        NA's    :26        NA's    :32
   s09a1d10         s09a1_28          s09a1_29          s09a1_30         s09a1d11
Min.    :   0.0   Length:438559      Min.    :     0.0   Min.    :0.00   Min.    :   0.0
1st Qu.:   0.0   Class :character   1st Qu.:     0.0   1st Qu.:0.00   1st Qu.:   0.0
Median :   0.0   Mode  :character   Median :     0.0   Median :0.00   Median :   0.0
Mean   : 226.4                     Mean   :   990.7   Mean   :0.29   Mean   : 227.3
3rd Qu.: 117.0                     3rd Qu.:   900.0   3rd Qu.:0.00   3rd Qu.: 110.0
```

```
 Max.    :16666.0                    Max.    :200000.0   Max.    :4.00   Max.    :16666.0
 NA's    :18                         NA's    :18         NA's    :26     NA's    :26
   s09a1_31           s09a1_32          s09a1_33         s09a1d12          s09a1_34
 Length:438559      Min.    :     0   Min.    :0.0000   Min.    :    0.0  Length:438559
 Class :character   1st Qu.:     0   1st Qu.:0.0000   1st Qu.:    0.0  Class :character
 Mode  :character   Median :     0   Median :0.0000   Median :    0.0  Mode  :character
                    Mean   :  1016   Mean   :0.2882   Mean   :  225.3
                    3rd Qu.:   900   3rd Qu.:0.0000   3rd Qu.:  101.0
                    Max.    :390000  Max.    :4.0000   Max.    :18000.0
                    NA's    :26      NA's    :31       NA's    :25
    s09a1_35           s09a1_36          s09a1d13          s09a1_37           s09a1_38
 Min.    :     0.0   Min.    :0.0000   Min.    :    0.0   Length:438559      Min.    :     0.0
 1st Qu.:     0.0   1st Qu.:0.0000   1st Qu.:    0.0   Class :character   1st Qu.:     0.0
 Median :     0.0   Median :0.0000   Median :    0.0   Mode  :character   Median :     0.0
 Mean   :   984.1   Mean   :0.2886   Mean   :  223.7                      Mean   :   960.1
 3rd Qu.:   800.0   3rd Qu.:0.0000   3rd Qu.:  115.0                      3rd Qu.:   900.0
 Max.    :550000.0  Max.    :4.0000   Max.    :13000.0                    Max.    :350000.0
 NA's    :25        NA's    :31       NA's    :23                         NA's    :23
    s09a1_39          s09a1d14          s09a1_40           s09a1_41           s09a1_42
 Min.    :0.0000   Min.    :    0.0   Length:438559      Min.    :     0.0   Min.    :0.0000
 1st Qu.:0.0000   1st Qu.:    0.0   Class :character   1st Qu.:     0.0   1st Qu.:0.0000
 Median :0.0000   Median :    0.0   Mode  :character   Median :     0.0   Median :0.0000
 Mean   :0.2875   Mean   :  226.6                      Mean   :   967.7   Mean   :0.2914
 3rd Qu.:0.0000   3rd Qu.:  125.0                      3rd Qu.:   900.0   3rd Qu.:0.0000
 Max.    :7.0000   Max.    :14500.0                    Max.    :174500.0  Max.    :4.0000
 NA's    :30       NA's    :25                         NA's    :25        NA's    :31
       t                kcal
 Min.    :0.0000   Min.    :  0.0
 1st Qu.:0.0000   1st Qu.:  0.0
 Median :0.0000   Median : 76.0
 Mean   :0.2808   Mean   :155.8
 3rd Qu.:1.0000   3rd Qu.:273.0
 Max.    :1.0000   Max.    :900.0
 NA's    :39
```

```
## 16 ####  rt016  #########
     psu                hhold                ln              item          s09b1w1_
 Length:200008      Length:200008      Min.    : 1.000   Min.    :210.0   Min.    :    0.0
 Class :character   Class :character   1st Qu.: 5.000   1st Qu.:214.0   1st Qu.:    0.0
 Mode  :character   Mode  :character   Median : 9.000   Median :218.0   Median :   50.0
                                       Mean   : 9.806   Mean   :221.1   Mean   :  252.8
                                       3rd Qu.:15.000   3rd Qu.:231.0   3rd Qu.:  250.0
                                       Max.    :21.000   Max.    :237.0   Max.    :30400.0

   s09b1w_1           s09b1w_2          s09b1w_3          s09b1w2_          s09b1w_4
 Length:200008      Min.    :     0   Min.    :0.0000   Min.    :    0.0   Length:200008
 Class :character   1st Qu.:     0   1st Qu.:0.0000   1st Qu.:    0.0   Class :character
 Mode  :character   Median :   700   Median :1.0000   Median :   50.0   Mode  :character
                    Mean   :  1695   Mean   :0.6382   Mean   :  252.4
                    3rd Qu.:  1600   3rd Qu.:1.0000   3rd Qu.:  250.0
                    Max.    :214200   Max.    :4.0000   Max.    :11700.0
                                      NA's    :1        NA's    :20
    s09b1w_5          s09b1w_6             kcal
 Min.    :     0   Min.    :0.0000   Min.    :  0.0
 1st Qu.:     0   1st Qu.:0.0000   1st Qu.: 50.0
```

```
 Median :   700   Median :1.0000   Median :208.0
 Mean   :  1681   Mean   :0.6331   Mean   :180.2
 3rd Qu.:  1600   3rd Qu.:1.0000   3rd Qu.:304.0
 Max.   :102000   Max.   :4.0000   Max.   :356.0
 NA's   :20       NA's   :20
```

```
## 17 ####  rt017  #########
     psu              hhold                ln              item          s09c1_q0
 Length:362670      Length:362670      Min.   : 1.00   Min.   :240.0   Min.   :    0.00
 Class :character   Class :character   1st Qu.:11.00   1st Qu.:250.0   1st Qu.:    0.00
 Mode  :character   Mode  :character   Median :20.00   Median :261.0   Median :   15.00
                                       Mean   :22.36   Mean   :262.7   Mean   :   95.27
                                       3rd Qu.:32.00   3rd Qu.:273.0   3rd Qu.:   75.00
                                       Max.   :49.00   Max.   :292.0   Max.   :96140.00
    s09c1__1          s09c1__2
 Min.   :   0.00   Min.   :    0
 1st Qu.:   0.00   1st Qu.:    0
 Median :   0.00   Median :   20
 Mean   :  14.78   Mean   :  110
 3rd Qu.:   0.00   3rd Qu.:  100
 Max.   :5000.00   Max.   :96140
```

```
## 18 ####  rt018  #########
     psu              hhold                ln              item          s09d1_q0
 Length:285162      Length:285162      Min.   : 1.00   Min.   :300.0   Min.   :   0.000
 Class :character   Class :character   1st Qu.: 7.00   1st Qu.:306.0   1st Qu.:   0.000
 Mode  :character   Mode  :character   Median :20.00   Median :321.0   Median :   1.000
                                       Mean   :21.28   Mean   :322.7   Mean   :   3.228
                                       3rd Qu.:35.00   3rd Qu.:339.0   3rd Qu.:   4.000
                                       Max.   :47.00   Max.   :352.0   Max.   :6400.000
    s09d1__1
 Min.   :    0
 1st Qu.:    0
 Median :  150
 Mean   :  576
 3rd Qu.:  550
 Max.   :69800
```

```
## 19 ####  rt019  #########
     psu              hhold                ln              item          s09d2_q0
 Length:830454      Length:830454      Min.   :  1.0   Min.   : 27.0   Min.   :      0
 Class :character   Class :character   1st Qu.: 35.0   1st Qu.:401.0   1st Qu.:      0
 Mode  :character   Mode  :character   Median : 67.0   Median :450.0   Median :      0
                                       Mean   : 68.9   Mean   :451.9   Mean   :   1060
                                       3rd Qu.:103.0   3rd Qu.:504.0   3rd Qu.:    170
                                       Max.   :142.0   Max.   :718.0   Max.   :1618000
```

```
## 20 ####  rt020  #########
     psu              hhold                ln           dg_code          s09e_q01
 Length:341813      Length:341813      Min.   : 1.00   Min.   :561.0   Min.   :0.000
 Class :character   Class :character   1st Qu.: 7.00   1st Qu.:567.0   1st Qu.:2.000
 Mode  :character   Mode  :character   Median :14.00   Median :575.0   Median :2.000
```

```
                                   Mean   :14.49   Mean   :575.9   Mean   :1.717
                                   3rd Qu.:21.00   3rd Qu.:583.0   3rd Qu.:2.000
                                   Max.   :28.00   Max.   :600.0   Max.   :5.000
    s09e_q02           s09e_q03           s09e_q04
Min.   :   0.000   Min.   :      0   Min.   :      0.0
1st Qu.:   0.000   1st Qu.:      0   1st Qu.:      0.0
Median :   0.000   Median :      0   Median :      0.0
Mean   :   1.113   Mean   :   2174   Mean   :    351.7
3rd Qu.:   0.000   3rd Qu.:      0   3rd Qu.:      0.0
Max.   :6000.000   Max.   :4090500   Max.   :2963800.0
```

5.3 Frequency tables of categorical variables

DATA CHECK OF CATEGORICAL VARIBLES

```
> # file.names: Rnames[j]
> # file.list: outfiles[[j]]
> # list of column numbers of categorical variables
> ck<-list()
> ck[[1]]<-c(16:19,21:27,29:34,42:46,49,51,53,55,57,74:79)
> ck[[2]]<-c(6,7,9:11,15:20,23,33,35:39,41:43,45,47,64:66,69:76,78:80,85:86,98:100,
+   104:118,120:121,123:128,130:131,133:134,136:137,139:140,142:143,145:149)
> ck[[3]]<-c(11,13:15,17,21:22,25)
> ck[[4]]<-c(13,17:21,23:24)
> ck[[5]]<-c(4,7:13)
> ck[[6]]<-c(5)
> ck[[7]]<-c()
> ck[[8]]<-c()
> ck[[9]]<-c()
> ck[[10]]<-c()
> ck[[11]]<-c(5)
> ck[[12]]<-c()
> ck[[13]]<-c(5,8,10,12,13,15,17)
> ck[[14]]<-c(5,10,12,14:15)
> ck[[15]]<-seq(6,60,by=2)
> ck[[16]]<-c(6,8,10,12)
> ck[[17]]<-c()
> ck[[18]]<-c()
> ck[[19]]<-c()
> ck[[20]]<-c(5)
> for(j in 1:20){
+ if(length(ck[[j]])==0) {next}
+ cat("¥n¥n#### FREQUENCY OF VARIABLES IN", Rnames[j],
+ "########################################¥n¥n")
+ varlabels<-attributes(outfiles[[j]])$var.labels
+ for(k in ck[[j]]){
+ if(length(ck[[j]])>0){
+ variable.name<-colnames(outfiles[[j]])[k]
+ cat(k," -----",variable.name," :",varlabels[k],"-------------------------")
+ print(table(outfiles[[j]][k],useNA="ifany"))
+ }}}


#### FREQUENCY OF VARIABLES IN rt001 ########################################

16  ----- s06a_q03  : Your dwelling possesa separate dining -------------------------
    0     1     2
    1  1601 10638
17  ----- s06a_q04  : Your dwelling possesa separate kitchan -------------------------
   1    2    3    7
9238 3000    1    1
18  ----- s06a_q05  : Material of the walls -------------------------
   1    2    3    4    5
3148 4850 1854 2330   58
19  ----- s06a_q06  : Material of the roof -------------------------
   1    2    3    4    5
```

```
1275 9992  288  614   71
21  ----- s06a_q08  : What type of latrine? -------------------------
   1    2    3    4    5    6
2419 2110 1926 2935 2376  474
22  ----- s06a_q09  : Main sousce of drinking water -------------------------
    1     2     3     4     5     6
  980 10825   112   119    10   194
23  ----- s06a_q10  : Tubwell tested for arsenic -------------------------
   0    1    2
1367 6350 4523
24  ----- s06a_q11  : Was Arsenic found? -------------------------
   0    1    2
5889  455 5896
25  ----- s06a_q12  : Alternative source of drinking water -------------------------
   0    1    2    3    4    5    6
6420   53 5666   62    1    3   35
26  ----- s06a_q13  : Source of water for other use -------------------------
   1    2    3    4    5    6
1238 7125 3662  140   15   60
27  ----- s06a_q14  : Electricity connection -------------------------
   0    1    2
   3 7056 5181
29  ----- s06a_q16  : Mobile phone -------------------------
   0    1    2
   1 7960 4279
30  ----- s06a_q17  : Landline phone connection -------------------------
    0     1     2
    5   262 11973
31  ----- s06a_q18  : Coumputer -------------------------
    0     1     2
    2   328 11910
32  ----- s06a_q19  : Access to internet -------------------------
    0     1     2
   52   142 12046
33  ----- s06a_q20  : How you access the internet? -------------------------
    0     1     2     3     5
12083    38   113     2     4
34  ----- s06a_q21  : Present occupancy ststus -------------------------
   1    2    3    4    5    6
9920 1394  279  444  110   93
42  ----- s07b_q01  : Did any member cultivated any land for crop... -------------------------
   0    1    2
   6 5195 7039
43  ----- s07c_q01  : Household raise any livestock -------------------------
   0    1    2
   5 7488 4747
44  ----- s07c_q09  : Household engage in any fishing -------------------------
    0     1     2
    6  1607 10627
45  ----- s07c_q13  : Household engage in any farm forestry -------------------------
   0    1    2
   9 3856 8375
46  ----- s08a_q01  : Own any unused land? -------------------------
    0     1     2
   15   448 11777
49  ----- s08a_q03  : household purchased any land in last 12 months -------------------------
```

```
    0     1     2
    6   368 11866
51  ----- s08a_q05  : Did your household purchase any house? -------------------------
    0     1     2
    3    39 12198
53  ----- s08a_q07  : Household own other assets -------------------------
   0    1    2
   2 5610 6628
55  ----- s08a_q09  : Household purchased any assets in last 12 months ------------------------
-
    0     1     2
    3   251 11986
57  ----- s08a_q11  : Household sold any assets -------------------------
    0     1     2
    8   383 11849
74  ----- s08c_q01  : Any member  of household migrated? -------------------------
    0     1     2
    5  1540 10695
75  ----- s08c_q02  : Household received remittances from outside? -------------------------
    0     1     2
    5  1554 10681
76  ----- s08d_q01  : Any member opened bank account? -------------------------
    0     1     2
    5   822 11413
77  ----- s08d_q02  : Any member deposited in any credit union? -------------------------
    0     1     2
    5  1880 10355
78  ----- s08d_q03  : Any member deposited in non-inst. group? -------------------------
    0     1     2
    5   739 11496
79  ----- s08d_q04  : Any member borrowed money -------------------------
   0    1    2
   5 4071 8164


#### FREQUENCY OF VARIABLES IN rt002 ########################################

6  ----- s01a_q02  : s01a_q02: sex -------------------------
    1     2
27533 28047
7  ----- s01a_q03  : s01a_q03: relationship to head -------------------------
    1     2     3     4     5     6     7     8     9    10    11    12    13
12240 10314 24612  2013  2699  1572   751   463   234   214   152   166    52
   14
   98
9  ----- s01a_q05  : s01a_q05: religion -------------------------
    1     2     3     4     5
48735  6245   385   196    19
10  ----- s01a_q06  : s01a_q06: marital status -------------------------
    1     2     3     4     5
25972 26658  2582   167   201
11  ----- s01a_q07  : s01a_q07: earner -------------------------
    1     2
15968 39612
15  ----- s01a_q11  : s01a_q11: Lived abroad more than 6 m? -------------------------
    1     2
```

```
  210 55370
16  ----- s01a_q12  : s01a_q12: why did return? -------------------------
    0     1     2     3     4     5     6     7
55370    32    29    59    37    31     6    16
17  ----- s01b_q01  : s01b_q01: did work for livelihood during last 7 days? -------------------
------
    0     1     2
 5691 16152 33737
18  ----- s01b_q02  : s01b_q02: was avaible for work during last 7 days? ----------------------
---
    0     1     2
21852   236 33492
19  ----- s01b_q03  : s01b_q03: did look for work during last 7 days -------------------------
    0     1     2
55328   171    81
20  ----- s01b_q04  : s01b_q04: Reason for not looking for work -------------------------
    0     1     2     3     4     5     6     7     8     9    10    11    25
22015   948 12964 13507  2195  1985   262   400   448   135   124   596     1
23  ----- s01c_q02  : s01c_q02: In what program has been included? -------------------------
    0     1     2     3     4     5     6     7     8    10    11    13    14
52072   568   238    32     4    16    14    55   278    42     9    17     5
   15    16    17    18    19    20    21    22    23    24    25    26    27
  560     8    10   123    32   503     4    20   630     6    35   278     5
   28    29    30
    2     9     5
33  ----- s01c_q07  : s01c_q07: cause why not included -------------------------
    0     1     2     3     4     5     6
 9138  2045 29939  1853  1769  9975   861
35  ----- s02a_q03  : s02a_q03: can read a letter? -------------------------
    0     1     2
 5690 28950 20940
36  ----- s02a_q04  : s02a_q04: can write a letter? -------------------------
    0     1     2     4
26627 28132   820     1
37  ----- s02a_q05  : s02a_q05: highest class passed -------------------------
    0     1     2     3     4     5     6     7     8     9    10    11    12
27788   817  1187  1591  2297  4996  1852  2167  2804  3438  3139  1833   938
   13    14    15    16    17    18    19    50
  503    21    35     1    40     5   127     1
38  ----- s02a_q06  : s02a_q06: where attended/attending? -------------------------
    0     1     2     3     4     5     6     7     8
27436 23108  2755   432  1403    13    29   309    95
39  ----- s02a_q07  : s02a_q07: what type of school attended/attending? ----------------------
--
    0     1     2     3     4     5     6
27882 11627 14152   688   157   830   244
41  ----- s02b_q01  : s02b_q01: are you attending education institution? ----------------------
---
    0     1     2
 5677 14088 35815
42  ----- s02b_q02  : s02b_q02: what class attending? -------------------------
    0     1     2     3     4     5     6     7     8     9    10    11    12
42070  1996  1563  1538  1287  1112   887   821   761   669   909   904   702
   13    14    15    16    17    18    19
  113     6    15     2    26     1   198
43  ----- s02b_q03  : s02b_q03: receiving stipend for primary? -------------------------
```

```
    0     1     2
48076  1326  6178
45  ----- s02b_q05  : s02b_q05: receiving secondary stipend? -------------------------
    0     1     2
50595   735  4250
47  ----- s02b_q07  : s02b_q07: received benefit in the tuition waiver? ----------------------
--
    0     1     2
54824   388   368
64  ----- s03a_q01  : s03a_q01: have suffered chronic illness? -------------------------
    0     1     2
   15  8157 47408
65  ----- s03a_q02  : s03a_q02: what chronic illness? 1 -------------------------
    0     1     2     3     4     5     6     7     8     9    10    11    12
47423   224   317   602   737   112  1976   905  1091   123   472    30    31
   13    14    15
  171    35  1331
66  ----- s03a_q_1  : s03a_q02: what chronic illness? 2 -------------------------
    0     1     2     3     4     5     6     7     8     9    10    11    12
53895    38    54    77    82    25   385   297   353    31   111     3     1
   13    14    15    16    25
   11     3   212     1     1
69  ----- s03a_q04  : s03a_q04: have suffered illness in last 30 days? ------------------------
-
    0     1     2     4
   39 10931 44609     1
70  ----- s03a_q05  : s03a_q05_1: what type of illness? 1 -------------------------
    0     1     2     3     4     5     6     7     8     9    10    11    12
44649   543  6318   232  1135   181   250    87   250   274   159   105   112
   13    14    15    16    17    18    19    20    21    22    23    24    25
   23    17   114    90    30     8    17    28    12   195    32     9   710
71  ----- s03a_q_3  : s03a_q05_2: what type of illness? 2 -------------------------
    0     1     2     3     4     5     6     7     8     9    10    11    12
53830    78   210    66   554    23    59    20   150   149   102    38    24
   13    14    15    16    17    19    20    22    23    24    25
    1     6    18    18     3    18     3    45     6     4   155
72  ----- s03a_q_4  : s03a_q05_3: what type of illness? 3 -------------------------
    0     1     2     3     4     5     6     7     8     9    10    11    12
55125   100    10     5    25     3     9     4    16   125    94     7     3
   13    14    15    16    19    21    22    23    24    25
    1     1     5     4     8     1     6     1     2    25
73  ----- s03a_q06  : s03a_q06: have sought medical treatment? -------------------------
    0     1     2     8
44655 10086   838     1
74  ----- s03a_q07  : s03a_q07: If not why not? -------------------------
    0     1     2     3     4     5     6     7     9    10    11    12
54742     7   484   121    10     2     1    28    15     5     3   162
75  ----- s03a_q08  : s03a_q08_1: If yes who was consulted (1st) -------------------------
    0     1     2     3     4     5     6     7     8     9    10    11    12
45402   253    33   368    97    36  1035  1572    20  2373  3989   101    64
   13
  237
76  ----- s03a_q_5  : s03a_q08_2: who was consulted (2nd) -------------------------
    0     1     2     3     4     5     6     7     8     9    10    11    12
55251     9     5    16    17     5    25    44     1    54   122    11    10
   13
```

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   10
78  ----- s03a_q10  : s03a_q10: From where got medicines? -------------------------
    0     1     2     3     4     5     6     7     8     9
45400   290    31    50   343  9234    89     4     2   137
79  ----- s03a_q11  : s03a_q11: did you pay for the medicines? ------------------------
    0     1     2     3     7     8
45408  9725   254   191     1     1
80  ----- s03a_q12  : s03a_q12: how did travel to rervice provider? -------------------------
    0     1     2     3     4     5     6     8     9    10    11    12    13
45403    81   195   812   376  1699  1319    71    46    20  5071   191   296
85  ----- s03a_q15  : s03a_q15: why you chose this provider? ------------------------
    0     1     2     3     4     5     6     7     8     9    10    20
45409  3273  2065   666    34    59  3271    48    95   504   155     1
86  ----- s03a_q16  : s03a_q16: Did provider give enough time for you? ------------------------
-
    0     1     2     3     6
45411  9519   191   458     1
98  ----- s03a_q18  : s03a_q18_1: how financed treatment? 1 -------------------------
    0     1     2     3     4     5     6     7     8     9    10    11
44726  8715  1419    24    30    30     9     9   202    57   159   200
99  ----- s03a__18  : s03a_q18_2: how financed treatment? 2 -------------------------
    0     1     2     3     4     5     6     7     8     9    10    11
54605    75   725     6     3    16     2     3    69     7    52    17
100  ----- s03a__19  : s03a_q18_3: how financed treatment? 3 -------------------------
    0     1     2     3     4     5     8     9    10    11    50    95
55540     5     1     5     1     1     5     2     6    12     1     1
104  ----- s03b_q03  : s03b_q03: has he/she ever been immunized? -------------------------
    0     1     2     3
48964  6340   199    77
105  ----- s03b_q04  : s03b_q04: Do you have immunization card? -------------------------
    0     1     2
49239  5107  1234
106  ----- s03b_q05  : s03b_q05bcg: bcg? ------------------------
    0     1     2
49238  6320    22
107  ----- s03b_q_2  : s03b_q05dpt1: dpt1? ------------------------
    0     1     2
49240  6255    85
108  ----- s03b_q_3  : s03b_q05dpt2: dpt2? ------------------------
    0     1     2
49243  6149   188
109  ----- s03b_q_4  : s03b_q05dpt3: dpt3? ------------------------
    0     1     2
49243  6057   280
110  ----- s03b_q_5  : s03b_q05p1: polio1? ------------------------
    0     1     2
49249  6144   187
111  ----- s03b_q_6  : s03b_q05p2: polio2? ------------------------
    0     1     2
49252  6060   268
112  ----- s03b_q_7  : s03b_q05p3: polio3? ------------------------
    0     1     2
49253  5984   343
113  ----- s03b_q_8  : s03b_q05m: measles? ------------------------
    0     1     2
49259  5765   556
```

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114  ----- s03b_q_9  : s03b_q05h: hepatitis? -------------------------
    0     1     2     4
49258  5371   950     1
115  ----- s03b_q06  : s03b_q06: where was most recent immunization? -------------------------
    0     1     2     3     4     5     6     7     8     9
49238  1848  1934   556   211   112    61   140  1438    42
116  ----- s03b_q07  : s03b_q07: who influenced you to immunize? -------------------------
    0     1     2     3     4     5     6     7     8     9    10    11    30
49239  2966   352   987  1689   132     2     5    60   115    27     5     1
117  ----- s03b_q08  : s03b_q08: received vitamin-a capsules in last 12m? ---------------------
----
    0     1     2
49245  5806   529
118  ----- s03c_q01  : s03c_q01: have you ever given birth? -------------------------
    0     1     2     5
39339 14789  1451     1
120  ----- s03c_q03  : s03c_q03: did you attend prenatal consultations? ----------------------
--
    0     1     2     3     6     7
40787  6666  8122     2     2     1
121  ----- s03c_q04  : s03c_q04: From where you received this care? -------------------------
    0     1     2     3     4     5     6     7     8
48910  1080  2135  1202   571   188   143  1055   296
123  ----- s03c_q06  : s03c_q06: did you receive tetanus vaccine? -------------------------
    0     1     2     4     5     6     7     8
48908  6440   226     1     2     1     1     1
124  ----- s03c_q07  : s03c_q07: who assisted with this birth? -------------------------
    0     1     2     3     4     5     6     7
40787  6195  2320  1935  2500   493  1333    17
125  ----- s03c_q08  : s03c_q08: where did you give birth? -------------------------
    0     1     2     3     4     5     6     7     8     9
40786 12767   156   105   300   363    49   183   757   114
126  ----- s03c_q09  : s03c_q09: did you visit post-natal checkup? -------------------------
    0     1     2
40787  1981 12812
127  ----- s03c_q10  : s03c_q10: where did you go for checkup? -------------------------
    0     1     2     3     4     5     6     7     8     9
53599   165   115   320   360   210    45   102   562   102
128  ----- s03d_q02  : s03d_q02: difficulty seeing? -------------------------
    0     1     2     3     4
    1 52185  3049   307    38
130  ----- s03d_q04  : s03d_q04: what was the cause? -------------------------
    0     1     2     3     4     5     6
52184    78   263  1098  1638    39   280
131  ----- s03d_q05  : s03d_q05: difficulty hearing? -------------------------
    0     1     2     3     4
    1 54287  1065   191    36
133  ----- s03d_q07  : s03d_q07: what was the cause? -------------------------
    0     1     2     3     4     5     6
54287   118   180   437   433    23   102
134  ----- s03d_q08  : s03d_q08: difficulty walking? -------------------------
    0     1     2     3     4
    2 54275   981   280    42
136  ----- s03d_q10  : s03d_q10: what was the cause? -------------------------
    0     1     2     3     4     5     6
54276    89   170   439   487    21    98
```

```
137  ----- s03d_q11  : s03d_q11: difficulty remembering? -------------------------
    0     1     2     3     4
    2 54878   513   138    49
139  ----- s03d_q13  : s03d_q13: what was the cause? -------------------------
    0     1     2     3     4     5     6
54878   111    37   211   292    15    36
140  ----- s03d_q14  : s03d_q14: difficulty with self care? -------------------------
    0     1     2     3     4
    2 55069   296   167    46
142  ----- s03d_q16  : s03d_q16: what was the cause? -------------------------
    0     1     2     3     4     5     6
55071    89    47   153   182    14    24
143  ----- s03d_q17  : s03d_q17: difficulty in comunicating? -------------------------
    0     1     2     3     4
    2 55109   281   134    54
145  ----- s03d_q19  : s03d_q19: what was the cause? -------------------------
    0     1     2     3     4     5     6
55109   149    21   131   133    12    25
146  ----- s03d_q20  : s03d_q20h: difficulty reduced work at home? -------------------------
    0     1     2
50631  4156   793
147  ----- s03d_q_1  : s03d_q20s: difficulty reduced work at school? -------------------------
    0     1     2
51155  1045  3380
148  ----- s03d_q_2  : s03d_q20w: difficulty reduced work at work? -------------------------
    0     1     2
50847  3276  1457
149  ----- s03d_q21  : s03d_q21: what measures taken to improve? -------------------------
    0     1     2     3     4     5     6     7     8     9    10
50618  2153   207  2150   168   121     1     3   102    38    19


#### FREQUENCY OF VARIABLES IN rt003 ########################################

11  ----- s04a_q05  : s04a_q05ru: where did you do this activity? R/U code --------------------
    1     2
11319  6748
13  ----- s04a_q06  : s04a_q06: what kind of activities? -------------------------
    1     2
 6796 11271
14  ----- s04a_q07  : s04a_q07: what was your work status? agriculture -------------------------
    0     1     2     3     4  <NA>
10725  2571  4048    63   121   539
15  ----- s04a_q08  : s04a_q08: whats was your work status? non agri -------------------------
   0    1    2    3    4 <NA>
6301 3464 3752   53 4013  484
17  ----- s04b_q01  : s04b_q01: were you paid on daily basis? -------------------------
   0    1    2 <NA>
7364 6056 4152  495
21  ----- s04b_q03  : s04b_q03: Did you receive payments in-kind? -------------------------
    0     1     2  <NA>
11305   464  5585   713
22  ----- s04b_q04  : s04b_q04: what type of item received in payment? -------------------------
    0     1     2     3     4     5  <NA>
16598    16   132    80   216    20  1005
25  ----- s04b_q06  : s04b_q06: What type of org. you work for? -------------------------
```

```
    0     1     2     3     4     5     6     7     8     9  <NA>
13097   642   566  2161    13   306    34   174   161   107   806


#### FREQUENCY OF VARIABLES IN rt004 ########################################

13  ----- s05a_q04  : s05a_q04: where do you operate the entreprise? -------------------------
   1    2    3    4    5
 534  593   75 1386  909
17  ----- s05a_q08  : s05a_q08_1: who are your costumers? 1st ------------------------
   0    1    2    3    4    5 <NA>
  14 3140   48  248    6   38    3
18  ----- s05a_q_7  : s05a_q08_2: who are your costumers? 2nd ------------------------
   0    1    2    3    4    5 <NA>
2607   66  142  360   14  170  138
19  ----- s05a_q09  : s05a_q09: is the entreprise registred officially? ----------------------
   0    1    2    3 <NA>
  13  878 1619  984    3
20  ----- s05a_q10  : s05a_q10_1: Source of finance when established? 1st --------------------
   0    1    2    3    4    5    6    7    8    9   10   11 <NA>
  13  620 2192  186   18   15   74   57  156   27   34  102    3
21  ----- s05a_q_8  : s05a_q10_2: Source of finance when established? 2nd --------------------
   0    1    2    3    4    5    6    7    8    9   10   11   71 <NA>
2377   74  267  315   21   58   36   53   81   31   11   48    1  124
23  ----- s05b_q12  : s05b_q12_1: what problems faced in running your business? 1 ------------
   0    1    2    3    4    5    6    7    8    9   10   11   12   13 <NA>
  13 1831 1224   36   25   63   14   51   10   20   43  100   44   20    3
24  ----- s05b_q_1  : s05b_q12_2: what problems faced in running your business? 2 ------------
   0    1    2    3    4    5    6    7    8    9   10   11   12   13   16
2442   27  142   33   38  124   13   82   17   36   63  211   89   49    1
<NA>
 130


#### FREQUENCY OF VARIABLES IN rt005 ########################################

4  ----- s06b_q02  : s06b_q02: did you experience this shock? -------------------------
     1      2
  1760 218252
7  ----- s06b_q05  : s06b_q05a: was a decline in income? -------------------------
     0      1      2      5
218261   1366    384      1
8  ----- s06b_q_1  : s06b_q05b: was a decline in assets? -------------------------
     0      1      2
218258    899    855
9  ----- s06b_q_2  : s06b_q05c: was a decline in food production? -------------------------
     0      1      2
218264   1117    631
10  ----- s06b_q_3  : s06b_q05d: was a decline in food purchased? -------------------------
     0      1      2
218266    876    870
11  ----- s06b_q06  : s06b_q06_1: how coped with this shock? 1st -------------------------
     0      1      2      3      4      5      6      7      8      9     10
218252    315     15    102    108     30     74     34    618    257     25
    11     12     13     14     16
    19     33     41      2     87
```

```
12  ----- s06b_q_4  : s06b_q06_2: how coped with this shock? 2nd ------------------------
     0      1      2      3      4      5      6      7      8      9     10
219164     65     11    119     69     48     68     20    198    143     10
    11     12     13     14     15     16
    14      5     43      1      5     29
13  ----- s06b_q_5  : s06b_q06_3: how coped with this shock? 3rd ------------------------
     0      1      2      3      4      5      6      7      8      9     10
219595     27      5     66     16     19     54      6     55     41     19
    11     12     13     14     15     16
     2     12     12      1      7     75


#### FREQUENCY OF VARIABLES IN rt006 ########################################

5  ----- s07b_q02  : s07b_q02: did you cultivate this crop? ------------------------
     1      2
 24780 162200


#### FREQUENCY OF VARIABLES IN rt011 ########################################

5  ----- s07d_q01  : s07d_q01: did your household spend any money on...? ----------------------
     0      1      2
  7419  33047 207287


#### FREQUENCY OF VARIABLES IN rt013 ########################################

5  ----- s08c_q04  : s08c_q04: relationship to head --------------------------
   1    2    3    4    5    6    7    8    9   10   11   14
  51  539 1299   25    8   42  104    2    1   24    2    3
8  ----- s08c_q06  : s08c_q06: where is working? -------------------------
   1    2
 728 1372
10  ----- s08c_q08  : s08c_q08: if abroad, write the country code -------------------------
   0    1    2    3    4    5    6    7    8    9   10   11   12   13   14
 657  485   52   94   57  132   38    5    2   14  271    4    3   32   12
  15   16   20   21   22   23   25   26 <NA>
   5    1    2   28    6    3   15  117   65
12  ----- s08c_q10  : s08c_q10: sex -------------------------
   1    2
2032   68
13  ----- s08c_q11  : s08c_q11: level of education -------------------------
  0   1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  17  19
201  15  31  53  70 375  82 103 220 247 371 167  83  60   5   9   2   6
15  ----- s0bc_q13  : s0bc_q13: how many times he/she sent money? -------------------------
  0   1   2   3   4   5   6   7   8   9  10  11  12  15  17
  9 208 255 317 410 635 102  45  22   4  15   1  75   1   1
17  ----- s08c_q15  : s08c_q15: how he/she sent money? -------------------------
   0    1    2    3    4    5    6    7    8
  68   84   23   41 1167  294   44   88  291


#### FREQUENCY OF VARIABLES IN rt014 ########################################

5  ----- s08d_q05  : s08d_q05: what was the source of this credit? -------------------------
```

```
   1    2    3    4    5    6    7    8    9   10   11   12   13   14   15
  88   84  338   12   81    4   12 1055  539   89   37  994   25  774  357
  16   17   18   19   20   21   22   23
   4  205   10    8   56  200    5  160
10  ----- s08d_q09  : s08d_q09f: how often you make payments? frequency ----------------------
   0    1    2    3    4    5    6    7    8    9
  99  327   76 3614   51  569  300   89   11    1
12  ----- s08d_q10  : s08d_q10: completed repayment? -------------------------
   0    1    2    5    7
   6   87 5042    1    1
14  ----- s08d_q12  : s08d_q12: what was the purpose of loan? -------------------------
   1    2    3    4    5    6    7    8
 102  219  963 1345  690  539  197 1082
15  ----- s08d_q13  : s08d_q13: would you like to borrow more money? -------------------------
   0    1    2    8
   3 1488 3644    2


#### FREQUENCY OF VARIABLES IN rt015 ########################################

6  ----- s09a1d_1  : s09a1d01_u: unit -------------------------
          gm    cup     gm     ml     no     No
127461     1   6654 276081   7003  11036  10323
8  ----- s09a1d_3  : s09a1d01_s: major source -------------------------
     0      1      2      3      4   <NA>
328527  98717    303   8627   2353     32
10  ----- s09a1d_4  : s09a1d02_u: unit -------------------------
          gm    cup     gm     ml     no     No
127460     1   6654 276082   7003  11036  10323
12  ----- s09a1d_6  : s09a1d02_s: major source -------------------------
     0      1      2      3      4   <NA>
330564  96864    302   8328   2469     32
14  ----- s09a1d_7  : s09a1d03_u: unit -------------------------
         cup     gm     ml     no     No
127454   6653 276084   7003  11042  10323
16  ----- s09a1d_9  : s09a1d03_s: major source -------------------------
     0      1      2      3      4   <NA>
331169  96935    288   7976   2162     29
18  ----- s09a1_10  : s09a1d04_u: unit -------------------------
         cup     gm     ml     no     No
127454   6655 276088   7003  11036  10323
20  ----- s09a1_12  : s09a1d04_s: major source -------------------------
     0      1      2      3      4   <NA>
331847  96185    285   7935   2280     27
22  ----- s09a1_13  : s09a1d05_u: unit -------------------------
         cup     gm     ml     no     No
127456   6655 276088   7003  11034  10323
24  ----- s09a1_15  : s09a1d05_s: major source -------------------------
     0      1      2      3      4   <NA>
332806  95301    292   7862   2269     29
26  ----- s09a1_16  : s09a1d06_u: unit -------------------------
         cup     gm    mil     ml     no     No
127457   6654 276084      2   7003  11036  10323
28  ----- s09a1_18  : s09a1d06_s: major source -------------------------
     0      1      2      3      4   <NA>
332974  95150    280   7856   2268     31
```

```
30  ----- s09a1_19  : s09a1d07_u: unit -------------------------
         cup     gm     ml     no     No
127457   6655 276085   7003  11036  10323
32  ----- s09a1_21  : s09a1d07_s: major source -------------------------
     0      1      2      3      4   <NA>
333218  95115    272   7745   2178     31
34  ----- s09a1_22  : s09a1d08_u: unit -------------------------
         500    cup     gm     ml     no     No
127457      1   6654 276083   7003  11038  10323
36  ----- s09a1_24  : s09a1d08_s: major source -------------------------
     0      1      2      3      4   <NA>
332244  95852    257   7850   2327     29
38  ----- s09a1_25  : s09a1d09_u: unit -------------------------
         cup     gm     gn     ml     no     No
127458   6655 276083      1   7003  11036  10323
40  ----- s09a1_27  : s09a1d09_s: major source -------------------------
     0      1      2      3      4   <NA>
333629  94954    241   7578   2125     32
42  ----- s09a1_28  : s09a1d10_u: unit -------------------------
         cup     gm     ml     no     No
127450   6655 276088   7005  11038  10323
44  ----- s09a1_30  : s09a1d10_s: major source -------------------------
     0      1      2      3      4   <NA>
333517  94926    256   7583   2251     26
46  ----- s09a1_31  : s09a1d11_u: unit -------------------------
         cup     gm     ml     no     No
127457   6655 276085   7003  11036  10323
48  ----- s09a1_33  : s09a1d11_s: major source -------------------------
     0      1      2      3      4   <NA>
334180  94345    234   7485   2284     31
50  ----- s09a1_34  : s09a1d12_u: unit -------------------------
         cup     gm     ml     no     No
127457   6655 276085   7003  11036  10323
52  ----- s09a1_36  : s09a1d12_s: major source -------------------------
     0      1      2      3      4   <NA>
334443  93921    258   7497   2409     31
54  ----- s09a1_37  : s09a1d13_u: unit -------------------------
         cuo    cup     gm     ml     no     No
127455      1   6654 276085   7003  11038  10323
56  ----- s09a1_39  : s09a1d13_s: major source -------------------------
     0      1      2      3      4      7   <NA>
333896  94872    264   7309   2187      1     30
58  ----- s09a1_40  : s09a1d14_u: unit -------------------------
         cup     gm     ml     no     No
127457   6655 276085   7003  11036  10323
60  ----- s09a1_42  : s09a1d14_s: major source -------------------------
     0      1      2      3      4   <NA>
331916  96947    244   7323   2098     31


#### FREQUENCY OF VARIABLES IN rt016 ######################################

6  ----- s09b1w_1  : s09b1w1_gm: unit -------------------------
          gm
 27420 172588
8  ----- s09b1w_3  : s09b1w1_m: major source -------------------------
```

```
     0      1      2      3      4   <NA>
 76488 121662     77   1290    490      1
10  ----- s09b1w_4  : s09b1w2_gm: unit ------------------------
          gm
 27440 172568
12  ----- s09b1w_6  : s09b1w2_m: major source ------------------------
     0      1      2      3      4   <NA>
 76864 121537     72   1122    393     20


#### FREQUENCY OF VARIABLES IN rt020 ########################################

5  ----- s09e_q01  : s09e_q01: owns item? -------------------------
     0      1      2      5
 12061  72603 257147      2
```

5.4 Consistency check of identifier

- **Found one unmatched household identifier hhid in rt007 and three in rt015.**

```
> HHID<-outfiles[[1]]$hhid
> for(j in 1:20){
+ cat("¥n",j,":",sum(!is.element(outfiles[[j]]$hhid,HHID)))
+ }

 1 : 0
 2 : 0
 3 : 0
 4 : 0
 5 : 0
 6 : 0
 7 : 1
 8 : 0
 9 : 0
 10 : 0
 11 : 0
 12 : 0
 13 : 0
 14 : 0
 15 : 3
 16 : 0
 17 : 0
 18 : 0
 19 : 0
 20 : 0


# rt007
> d<-outfiles[[7]]
> d[!is.element(d$hhid,HHID),]
      psu hhold liv_code s07c_q02 s07c_q_1 s07c_q03 s07c_q_2 s07c_q04 s07c_q_3
56287                 0        0        0        0        0        0        0
      s07c_q05 s07c_q_4 hhid
56287        0       NA
```

- This record should be dropped because it is empty.

```
> d<-d[-56287,]
> dim(d)
[1] 80423    12
> sum(!is.element(d$hhid,HHID))
[1] 0
> outfiles[[7]]<-d
```

rt015

```
> d<-outfiles[[15]]
> d[!is.element(d$hhid,HHID),]
      psu hhold ln item s09a1d01 s09a1d_1 s09a1d_2 s09a1d_3 s09a1d02
30444 238       NA   NA       NA                NA       NA        NA
30445 238       NA   NA       NA                NA       NA        NA
30446 238       NA   NA       NA                NA       NA        NA
      s09a1d_4 s09a1d_5 s09a1d_6 s09a1d03 s09a1d_7 s09a1d_8 s09a1d_9
30444                NA       NA       NA                NA       NA
30445                NA       NA       NA                NA       NA
30446                NA       NA       NA                NA       NA
      s09a1d04 s09a1_10 s09a1_11 s09a1_12 s09a1d05 s09a1_13 s09a1_14
30444       NA                NA       NA       NA                NA
30445       NA                NA       NA       NA                NA
30446       NA                NA       NA       NA                NA
      s09a1_15 s09a1d06 s09a1_16 s09a1_17 s09a1_18 s09a1d07 s09a1_19
30444       NA       NA                NA       NA       NA
30445       NA       NA                NA       NA       NA
30446       NA       NA                NA       NA       NA
      s09a1_20 s09a1_21 s09a1d08 s09a1_22 s09a1_23 s09a1_24 s09a1d09
30444       NA       NA       NA                NA       NA       NA
30445       NA       NA       NA                NA       NA       NA
30446       NA       NA       NA                NA       NA       NA
      s09a1_25 s09a1_26 s09a1_27 s09a1d10 s09a1_28 s09a1_29 s09a1_30
30444                NA       NA       NA                NA       NA
30445                NA       NA       NA                NA       NA
30446                NA       NA       NA                NA       NA
      s09a1d11 s09a1_31 s09a1_32 s09a1_33 s09a1d12 s09a1_34 s09a1_35
30444       NA                NA       NA       NA                NA
30445       NA                NA       NA       NA                NA
30446       NA                NA       NA       NA                NA
      s09a1_36 s09a1d13 s09a1_37 s09a1_38 s09a1_39 s09a1d14 s09a1_40
30444       NA       NA                NA       NA       NA
30445       NA       NA                NA       NA       NA
30446       NA       NA                NA       NA       NA
      s09a1_41 s09a1_42  t kcal hhid
30444       NA       NA NA    0  238
30445       NA       NA NA    0  238
30446       NA       NA NA    0  238
```

- The above three records should be dropped, because they do not have household number (hhold).

```
> d<-d[is.element(d$hhid,HHID),]
> dim(d)
[1] 438556     63
> sum(!is.element(d$hhid,HHID))
[1] 0
> outfiles[[15]]<-d
```

- **Found 29 unmatched person identifier pid in rt003. Their person ID code "idcode" are missing, that is, NA or 0, but information about economic activities are filled in.**

```
> PID<-outfiles[[2]]$pid
> length(PID)
[1] 55580
> sum(!is.element(outfiles[[3]]$pid,PID))
[1] 29

> d[!is.element(d$pid,PID),c(1:10,29,30)]
      psu hhold serial idcode          s04a_q01 s04a_q_1 s04a_q_2
81    030   073     03     NA                         61       01
228   066   054     05     NA                         81       36
283   079   132     02     NA      HANDI CRAFTS       63       02
284   079   132     03     NA     (BAMBOO/CAIN)       63       02
296   087   001     02     NA            Labour       61       01
309   087   178     01     NA            BEGGER       99       99
327   102   181     01     NA                         13       80
328   102   181     02     NA                         85       37
376   122   122     08     NA                 1       60       01
441   154   061     11     NA                         61       01
516   189   183     01     NA  Agriculture work       61       01
632   209   192     04     NA                         46       60
1358  440   032     02     NA       Agriculture       61       01
1830  558   082     04     NA                 0       75       17
1840  558   147     02     NA            Weaver       75       17
2223  101   261     02      0       AGRICULTURE       61       01
2403  208   074     01      0                         61       01
2747  439   031     01      0       Mudir Shope       42       52
2748  439   031     02      0 Puffed Rice Shope       42       52
2760  439   150     02      0 Puffed Rice Shope       42       52
2775  439   283     02      0 Puffed Rice Shope       42       52
2808  488   003     03      0       Agriculture       61       01
2809  488   003     04      0       agriculture       61       01
2884  518   175     02      0           Chakury       39       75
2933  543   097     02      0          Business       42       52
2935  543   099     02      0        Day Labour       61       01
2942  543   166     02      0       Agri Labour       61       01
12179 009   024     02      0         Contakter       87       45
12197 009   087     02      0         Carpenter       81       36

      s04a_q02 s04a_q03 s04a_q04   hhid      pid
81          12       20        2 030073 030073NA
228         12       25       10 066054 066054NA
283         12       30       12 079132 079132NA
284         12       30       12 079132 079132NA
296         12       20        4 087001 087001NA
```

309	12	39	10	087178	087178NA
327	12	20	10	102181	102181NA
328	12	30	5	102181	102181NA
376	12	30	8	122122	122122NA
441	12	12	5	154061	154061NA
516	12	20	5	189183	189183NA
632	12	26	10	209192	209192NA
1358	12	10	4	440032	440032NA
1830	12	10	6	558082	558082NA
1840	12	25	8	558147	558147NA
2223	12	30	2	**101261**	**10126100**
2403	12	26	2	208074	20807400
2747	12	30	10	439031	43903100
2748	12	30	10	439031	43903100
2760	12	30	10	439150	43915000
2775	12	30	10	439283	43928300
2808	12	15	3	488003	48800300
2809	12	15	2	488003	48800300
2884	12	20	10	518175	51817500
2933	12	30	10	543097	54309700
2935	12	20	3	543099	54309900
2942	12	20	5	543166	54316600
12179	6	24	8	009024	00902400
12197	10	28	8	009087	00908700

- In case of hhid=101261, there are 4 household members in rt002. There are 2 household members worked for livelihood in rt003. One is household head but the other is unable to identify.

```
> d<-outfiles[[2]]
> d[d$hhid=="101261",c(1:4,6:8,17)]
     psu hhold idcode resid1a s01a_q02 s01a_q03 s01a_q04 s01b_q01
6827 101   261     01       2        1        1       54        1
6828 101   261     02       2        2        2       50        2
6829 101   261     03       2        1        3       15        2
6830 101   261     04       2        2        7       44        2

> df<-outfiles[[3]]
> df[df$hhid=="101261",1:10]
     psu hhold serial idcode    s04a_q01 s04a_q_1 s04a_q_2 s04a_q02
2222 101   261     01      1    BUSINESS       46       67        5
2223 101   261     02      0 AGRICULTURE       61       01       12
     s04a_q03 s04a_q04
2222       25        8
2223       30        2
```

Summary:

For 29 unmatched records in rt003, if the counterpart in rt002 is not identified, it is impossible to link working information and personal information.

This problem should be inquired for BBS.

5.5 Sample design

```
# data frame rt001
# stratum
# region: division
# thana: upazila
# spc: rural/urban(Municipality+SMA)
# urbanrur: 1-4

> d<-outfiles[[1]]
> table(d$stratum)
  01   02   03   04   05   06   07   08   09   10   11   12
 680  300 1420  540  240 2100  900  540 1100  540  160 1880
  13   14   15   16
 800  180  660  200

> table(d$region)
  10   20   30   40   50   55   60
 980 2200 3540 1800 1580 1280  860

> table(d$thana)
  2   3   4   5   6   7   8   9  10  11  12  13  14  15  16
160  60 180  20 100 220  80 120 180 120  60 100 180 100  60
 17  18  19  20  21  22  23  24  25  26  27  28  29  30  31
 60 220 100 120  40 120 160 100 160  40  80 160 180 240 100
 32  33  34  35  36  37  38  39  40  41  42  43  44  45  46
120  80 120  20 200  40 120 140 200  60  80 160 120  80  80
 47  48  49  50  51  52  53  54  55  56  57  58  59  60  61
360  20 220 100 200 160 100 100 100 180 180 380  20 160 120
 62  63  64  65  66  67  68  69  70  71  72  73  74  75  76
160  80 180 180 200 180  40 120 120 120 240 260 140  40 240
 78  79  80  81  82  83  84  85  86  87  88  89  90  91  92
120 160 120 120 140  60  60 220 120 280 140  60 140  80  40
 94  95
300 140

> table(d$spc)
Municipality        Rural          SMA
        3280         7840         1120

> table(d$urbanrur)
   1    2    3    4
7240 3280  600 1120
```

- There are 16 strata, of which 6 are urban (Municipality), 6 are rural, and 4 are Statistical Metropolitan Areas (SMAs).

```
> addmargins(table(d$stratum,d$spc))
```

```
# Number of sample households by stratum and spc
      Municipality Rural   SMA   Sum
  01             0   680     0   680
  02           300     0     0   300
  03             0  1420     0  1420
  04           540     0     0   540
  05             0     0   240   240
  06             0  2100     0  2100
  07           900     0     0   900
  08             0     0   540   540
  09             0  1100     0  1100
  10           540     0     0   540
  11             0     0   160   160
  12             0  1880     0  1880
  13           800     0     0   800
  14             0     0   180   180
  15             0   660     0   660
  16           200     0     0   200
  Sum         3280  7840  1120 12240
```

- Relationship between division and spc

```
> table(d$region,d$spc)

    Municipality Rural  SMA
  10          300   680    0
  20          540  1420  240
  30          900  2100  540
  40          540  1100  160
  50          420   980  180
  55          380   900    0
  60          200   660    0
```

- Relationship between urban/rural and spc

```
> table(d$urbanrur,d$spc)

    Municipality Rural  SMA
  1            0  7240    0
  2         3280     0    0
  3            0   600    0
  4            0     0 1120
```

What' s the difference between 1 and 3 in Rural?

```
> table(d$stratum,d$urbanrur)

       1    2    3    4
01   660    0   20    0
02     0  300    0    0
03  1260    0  160    0
04     0  540    0    0
05     0    0    0  240
06  1900    0  200    0
07     0  900    0    0
08     0    0    0  540
09  1080    0   20    0
10     0  540    0    0
11     0    0    0  160
12  1760    0  120    0
13     0  800    0    0
14     0    0    0  180
15   580    0   80    0
16     0  200    0    0
```

6. Household Income

- The questions related to household income are asked in the section 4 to the section 8 of the questionnaire, and compiled in data frame rt001 and rt003 to rt012, as in the next table.

Questionnaire/Data file	Revenue/Cost	Variables	Remarks	Generated income variable
4B Wage employment (rt003)	Daily wage	s04b_q_2 s04b_q_3 s04a_q02 s04a_q03	daily wage in cash (1Day) in-kind per day (1Day) months per year days per month	inc4b
	Salaried wage	s04b_q07 s04a_q02 s04a_q09	gross monthly cash (1M) months per year in-kind in past 12M	
5 Non-agricultural enterprise (rt004)	Profit of share Net revenues	s05a_q07 s05b_q20	share of profit net revenue in past 12M	inc5
6 Housing (rt001)	Imputed rent is unavailable	s06a_q21 s06a_q22	housing occupancy status amount to buy/build such house	
9D Annual non-food expenditure (rt019)	Imputed rent	item=382 s09d2_q0	imputed rent annual value	inc9d
7B Crop production (rt006)	Production of crop/by product/ vegetable/fruits	s07b_q04 s07b_q_1	quantity produced 12M (kg) unit price per kg	inc7b
7C Livestock products (rt008)	Livestock production	s07c_q_1	value produced 12M	inc7c1
7C Fish farming and fish capture (rt009)	Fishery production	s07c_q_1	value produced 12M	inc7c2
7C Farm forestry (rt010)	Forestry production (sell + consume)	s07c_q15 s07c_q16	value sold 12M value consumed 12M	inc7c3

7D Expenses on agricultural inputs (rt011)	(minus) Expenditure	s07d_q_1	value spend 12M	inc7d
7E Agricultural assets (rt012)	Earn from rental	s07e_q04	value earned from rental 12M	inc7e
8A Other property and assets (rt001)		none		
8B Other income (rt001)	1 to 13	V59 to V73		inc8e
8C Migration and remittance (rt013)	Money/in kind These are included in 8B.	s08c_q14 s08c_q17	amount of money sent 12M value of in-kind sent 12M	inc8c
8D Micro credit (rt014)		none		

- Strategy to generate household-level variable of household income
  - ✓ Monthly income per household.
  - ✓ Total household income and disaggregation as follows;
    - ➢ Wage income
    - ➢ Business income
    - ➢ Imputed rent
    - ➢ Agricultural income
    - ➢ Other income
    - ➢ Remittance

- The household-level summary income data will be provided in the resampled micro data set.

Other income: rt001 (Section 8B)

- The data frame rt001 includes all households, therefore it is used as the basis for household-level data frame of household income.

```
> d<-outfiles[[1]]
> dim(d)
[1] 12240   152
```

✓ Computed the monthly mean value of the variable V59 to V73.

```
> t<-apply(d[,59:73],2,function(x) round(weighted.mean(x,d$wgt)/12))
>  lbl<-c("Income from rent of land - share cropping",
+ "Income from rent of other property",
+ "income from Life insurance",
+ "income from Health insurance",
+ "income from General insurance",
+ "Profit and dividend received",
+ "Lottery or similary income in cash or in-kind",
+ "Gift, Charity or other received? In cash",
+ "Gift, Charity or other received? In-kind",
+ "Remittances received from within the country",
+ "Remittances received from outside the country",
+ "Where did you invast remittance money",
+ "Pension, Gratuity, other benefit received",
+ "Profit,Interest received",
+ "Other cash or in-kind received")
> m<-data.frame(variable=names(t),mean=t,label=lbl,row.names=NULL)
> m
   variable mean                                        label
1  s08b_q01  233     Income from rent of land - share cropping
2  s08b_q02  297            Income from rent of other property
3  s08b_q03    5                     income from Life insurance
4  s08b_q_1    0                   income from Health insurance
5  s08b_q_2    1                  income from General insurance
6  s08b_q04   24                   Profit and dividend received
7  s08b_q05    1 Lottery or similary income in cash or in-kind
```

```
8  s08b_q06   36      Gift, Charity or other received? In cash
9  s08b_q07   36      Gift, Charity or other received? In-kind
10 s08b_q08  237  Remittances received from within the country
11 s08b_q09 1140 Remittances received from outside the country
12 s08b_q10    0         Where did you invast remittance money
13 s08b_q11  135     Pension, Gratuity, other benefit received
14 s08b_q12   33                      Profit,Interest received
15 s08b_q13  237                Other cash or in-kind received
> sum(m$mean)
[1] 2415
```

- Generated the variable **inc8e** of monthly other income.

```
> d<-d[order(d$hhid),]
> d$inc8e<-round(rowSums(d[,59:73])/12,2)
> inc<-d[,c("hhid","region","urbanrur","wgt","inc8e")]
> head(inc)
       hhid region urbanrur     wgt  inc8e
6121 001006     10        1 2507.01 416.67
6122 001036     10        1 2507.01   0.00
6123 001054     10        1 2507.01   0.00
6124 001061     10        1 2507.01   0.00
6125 001062     10        1 2507.01   0.00
6126 001065     10        1 2507.01  83.33
> weighted.mean(inc$inc8e,inc$wgt)
[1] 2413.934
```

Wage income: rt003 (Section 4B)

4B Wage employment (rt003)	Daily wage	s04b_q_2	daily wage in cash
		s04b_q_3	in-kind per day
		s04a_q02	months per year
		s04a_q03	days per month
	Salaried wage	s04b_q07	gross monthly cash
		s04a_q02	months per year
		s04a_q09	in-kind in past 12M

```
# Individual-level data frame
> d<-outfiles[[3]]
> dim(d)
[1] 18067    30
> d[is.na(d)]<-0
# Yearly income
> d$dailywage<-(d$s04b_q_2+d$s04b_q_3)*d$s04a_q03*d$s04a_q02
> d$salary<-d$s04b_q07*d$s04a_q02+d$s04b_q09

> head(d[,c(30:32,8,9,20,24,26,28)])
       pid dailywage salary s04a_q02 s04a_q03 s04b_q_2 s04b_q_3 s04b_q07 s04b_q09
1 01000201         0  20000        2       26        0        0     5000     10000
2 01000201         0      0       10       30        0        0        0         0
3 01316801     43680      0       12       28      130        0        0         0
4 01001001         0  72000       12       26        0        0     6000         0
5 01002603     25000      0       10       20      125        0        0         0
6 01002602      6000      0        2       25       80       40        0         0

# Monthly wage income  inc4b
> d$inc4b<-round((d$dailywage+d$salary)/12,2)
# Aggregated at household-level
> t<-aggregate(d$inc4b,list(d$hhid),sum)
> colnames(t)<-c("hhid","inc4b")
> head(t)
    hhid inc4b
1 001006     0
```

```
2 001036  5625
3 001054  6000
4 001061  8960
5 001062  3250
6 001065  8400
> dim(t)
[1] 11089     2

# Appended to data frame inc.
> inc<-merge(inc,t,by="hhid",all.x=T)
> head(inc)
    hhid region urbanrur     wgt  inc8e inc4b
1 001006     10        1 2507.01 416.67     0
2 001036     10        1 2507.01   0.00  5625
3 001054     10        1 2507.01   0.00  6000
4 001061     10        1 2507.01   0.00  8960
5 001062     10        1 2507.01   0.00  3250
6 001065     10        1 2507.01  83.33  8400

> inc[is.na(inc)]<-0
> weighted.mean(inc$inc4b,inc$wgt)
[1] 4292.464
```

Business income: rt004 (Section 5)

5 Non-agricultural enterprise (rt004)	Profit of share Net revenues	s05a_q07 s05b_q20	share of profit net revenue in past 12M

```
> d<-outfiles[[4]]
> dim(d)
[1] 3497   36

# Share of profit in percentage.
> table(d$s05a_q07)
   1   10   12   13   16   17   20   25   30   33   50   60   70   75   80   99  100
   1    8    3    1    1    1    4   22    3   29  154    1    2    4    7    1 3255

# Monthly business income
> d$business<-round(d$s05b_q20*d$s05a_q07/100/12,2)
# Aggregated at household level
> t<-aggregate(d$business,list(d$hhid),sum,row.names=NULL)
> colnames(t)<-c("hhid","inc5")
> dim(t)
[1] 3127    2

# Appended to inc
> inc.save<-inc
> inc<-merge(inc,t,by="hhid",all.x=T)
> dim(inc)
[1] 12240     7
> inc[is.na(inc)]<-0
> head(inc[inc$inc5>0,])
     hhid region urbanrur     wgt    inc8e inc4b     inc5
21 002001     10        1 2507.01 25416.67     0 20141.67
22 002015     10        1 2507.01   458.33     0  5891.67
24 002028     10        1 2507.01     0.00     0  9850.00
27 002099     10        1 2507.01  6000.00     0  1208.33
28 002101     10        1 2507.01     0.00     0  7941.67
30 002123     10        1 2507.01     0.00     0 10833.33
```

```
> weighted.mean(inc$inc5,inc$wgt)
[1] 2027.652
```

Imputed rent: rt019 (Section 9D)

6 Housing (rt001)	Imputed rent	s06a_q21 s06a_q22	housing occupancy status amount to buy/build such house

```
> d<-outfiles[[1]]
> dim(d)
[1] 12240   152

# Housing occupancy status
> t<-table(d$s06a_q21)
> names(t)<-c("1 Owner","2 Renter","3 Squatter","4 Provided free by relatives/employer",
+ "5 Government residence","6 Other, specify")
> t
                                1 Owner                                 2 Renter
                                   9920                                     1394
                              3 Squatter 4 Provided free by relatives/employer
                                    279                                      444
                  5 Government residence                          6 Other, specify
                                    110                                       93
```

- **Imputed rent is unable to be calculated from rt001. Instead, expenditure data in the section 9 should be used.**

9D Annual non-food expenditure (rt019)	Imputed rent	item=382 s09d2_q0	imputed rent annual value

```
> d<-outfiles[[19]]
> dim(d)
[1] 830454      6
> d1<-subset(d,item==382)
> dim(d1)
[1] 10363     6
> head(d1)
    psu hhold ln item s09d2_q0   hhid
```

```
489 021   007 28  382     8400 021007
530 021   019 28  382     7200 021019
569 021   049 28  382     4800 021049
588 021   056 28  382     9600 021056
613 021   059 28  382     6000 021059
653 021   064 28  382     4800 021064

> sum(duplicated(d1$hhid))
[1] 0

# Household-level monthly imputed rent
> t<-d1[,c("hhid","s09d2_q0")]
> colnames(t)<-c("hhid","inc9d")
> t$inc9d<-round(t$inc9d/12,2)
> head(t)
      hhid inc9d
489 021007   700
530 021019   600
569 021049   400
588 021056   800
613 021059   500
653 021064   400

# Appended to inc
> inc.save<-inc
> inc<-merge(inc,t,by="hhid",all.x=T)
> inc[is.na(inc)]<-0
> head(inc)
    hhid region urbanrur     wgt   inc8e     inc4b inc5 inc9d
1 001006     10        1 2507.01 416.67      0.00    0   500
2 001036     10        1 2507.01   0.00 11718.75    0   300
3 001054     10        1 2507.01   0.00  6000.00    0   400
4 001061     10        1 2507.01   0.00 20906.67    0   200
5 001062     10        1 2507.01   0.00  3250.00    0   300
6 001065     10        1 2507.01  83.33 21000.00    0   300
```

Agricultural income: rt006 to rt012 (Section 7B, 7C, 7D and 7E)

7B Crop production (rt006)	Production of crop/ by product/vegetable/fruits	s07b_q04 s07b_q_1	quantity produced 12M (kg) unit price per kg
7C1 Livestock products (rt008)	Livestock production	s07c_q_1	value produced 12M
7C2 Fish farming and fish capture (rt009)	Fishery production	s07c_q_1	value produced 12M
7C3 Farm forestry (rt010)	Forestry production (sell + consume)	s07c_q15 s07c_q16	value sold 12M value consumed 12M
7D Expenses on agricultural inputs (rt011)	(minus) Expenditure	s07d_q_1	value spend 12M
7E Agricultural assets (rt012)	Earn from rental	s07e_q04	value earned from rental 12M

7B Crop production

```
> d<-outfiles[[6]]
> dim(d)
[1] 186980     20
> d$crop<-d$s07b_q04*d$s07b_q_1
# Household-level monthly crop production
> t<-aggregate(d$crop,list(d$hhid),sum,row.names=NULL)
> colnames(t)<-c("hhid","inc7b")
> t$inc7b<-round(t$inc7b/12,2)
> head(t)
    hhid    inc7b
1 001006 11003.33
2 001066  1491.67
3 001113   670.00
4 001116  1384.58
5 001144  4731.67
6 001145  4823.33

# Appended to inc
> inc.save<-inc
> inc<-merge(inc,t,by="hhid",all.x=T)
```

```
> inc[is.na(inc)]<-0
> head(inc[inc$inc7b>0,])
     hhid region urbanrur     wgt   inc8e    inc4b inc5 inc9d    inc7b
1  001006     10        1 2507.01  416.67     0.00    0   500 11003.33
7  001066     10        1 2507.01    0.00     0.00    0   300  1491.67
11 001113     10        1 2507.01 6916.67     0.00    0  2500   670.00
12 001116     10        1 2507.01 2500.00 10333.33    0  3000  1384.58
16 001144     10        1 2507.01    0.00     0.00    0   500  4731.67
17 001145     10        1 2507.01 1792.08     0.00    0   600  4823.33
```

7C1 Livestock production: rt008

```
> d<-outfiles[[8]]
> dim(d)
[1] 72327    10
> d1<-subset(d,prod_cod==220)  # Total value
> dim(d1)
[1] 8043   10

# Household-level monthly livestock production
> d1$inc7c1<-round(d1$s07c_q_1/12,2)
> inc.save<-inc
> inc<-merge(inc,d1[,c("hhid","inc7c1")],by="hhid",all.x=T)
> inc[is.na(inc)]<-0
> head(inc)
    hhid region urbanrur     wgt  inc8e    inc4b inc5 inc9d    inc7b inc7c1
1 001006     10        1 2507.01 416.67     0.00    0   500 11003.33 726.67
2 001036     10        1 2507.01   0.00 11718.75    0   300     0.00  35.00
3 001054     10        1 2507.01   0.00  6000.00    0   400     0.00  46.67
4 001061     10        1 2507.01   0.00 20906.67    0   200     0.00  87.50
5 001062     10        1 2507.01   0.00  3250.00    0   300     0.00  50.00
6 001065     10        1 2507.01  83.33 21000.00    0   300     0.00 110.00
```

7C2 Fishery: rt009

```
> d<-outfiles[[9]]
> dim(d)
[1] 25241    10
> d1<-subset(d,fish_act==230)  # Total value
> dim(d1)
[1] 2806   10

# Household-level monthly fishery product
> d1$inc7c2<-round(d1$s07c_q_1/12,2)
> inc.save<-inc
> inc<-merge(inc,d1[,c("hhid","inc7c2")],by="hhid",all.x=T)
> inc[is.na(inc)]<-0
> head(inc)
    hhid region urbanrur     wgt   inc8e     inc4b inc5 inc9d    inc7b inc7c1 inc7c2
1 001006     10        1 2507.01 416.67      0.00    0   500 11003.33 726.67    800
2 001036     10        1 2507.01   0.00 11718.75    0   300     0.00  35.00      0
3 001054     10        1 2507.01   0.00  6000.00    0   400     0.00  46.67      0
4 001061     10        1 2507.01   0.00 20906.67    0   200     0.00  87.50      0
5 001062     10        1 2507.01   0.00  3250.00    0   300     0.00  50.00      0
6 001065     10        1 2507.01  83.33 21000.00    0   300     0.00 110.00      0
```

7C3 Forestry: rt010

```
> d<-outfiles[[10]]
> dim(d)
[1] 25241    10
> d1<-subset(d,forestry==240)  # Total value
> dim(d1)
[1] 4583    8

# Household-level monthly fishery product
> d1$inc7c3<-round((d1$s07c_q15+d1$s07c_q16)/12,2)
```

```
> head(d1[d1$inc7c3>0,])
    psu hhold forestry s07c_q14 s07c_q_1 s07c_q15 s07c_q16   hhid  inc7c3
70  013   255      240       22    15000     3000     4000 013255  583.33
90  021   049      240       99    60200        0      300 021049   25.00
100 021   056      240      104   114400     2000      500 021056  208.33
140 021   126      240        0    10200        0     4500 021126  375.00
150 021   158      240      145    85000     5000     7000 021158 1000.00
160 021   172      240       58    33000        0     1500 021172  125.00
> inc.save<-inc
> inc<-merge(inc,d1[,c("hhid","inc7c3")],by="hhid",all.x=T)
> inc[is.na(inc)]<-0
> head(inc[inc$inc7c3>0,])
     hhid region urbanrur     wgt    inc8e inc4b     inc5    inc9d    inc7b inc7c1
1  001006     10        1 2507.01   416.67     0     0.00   500.00 11003.33 726.67
9  001100     10        1 2507.01  3333.33     0     0.00     0.00     0.00   0.00
10 001110     10        1 2507.01  1500.42 25500     0.00  1000.00     0.00  50.00
20 001208     10        1 2507.01  7083.33     0     0.00   333.33   957.50 846.67
21 002001     10        1 2507.01 25416.67     0 20141.67  1500.00   250.83 220.00
22 002015     10        1 2507.01   458.33     0  5891.67   500.00   176.67  40.00
   inc7c2 inc7c3
1     800 166.67
9       0  41.67
10    900  83.33
20    675  25.00
21    900 541.67
22      0  50.00
```

7d Expenses on agricultural inputs: rt011

```
> d<-outfiles[[11]]
> dim(d)
[1] 247753      8
> d1<-subset(d,exp_agri==330)  # Total value
> dim(d1)
```

```
[1] 7418    8

# Household-level monthly expenses on agricultural inputs
> d1$inc7d<--round(d1$s07d_q_1/12,2)
> head(d1)
    psu hhold ln exp_agri s07d_q01 s07d_q02 s07d_q_1   hhid    inc7d
21  010    002 21      330        0       65     4350 010002  -362.50
62  010    026 21      330        0        8      725 010026   -60.42
162 010    083 21      330        0      120     8630 010083  -719.17
183 010    086 21      330        0       40     7220 010086  -601.67
244 010    110 21      330        0     1350    13450 010110 -1120.83
265 010    117 21      330        0        0      200 010117   -16.67
> inc.save<-inc
> inc<-merge(inc,d1[,c("hhid","inc7d")],by="hhid",all.x=T)
> inc[is.na(inc)]<-0
> head(inc[inc$inc7d<0,])
    hhid region urbanrur     wgt   inc8e    inc4b inc5 inc9d    inc7b inc7c1 inc7c2
1 001006     10        1 2507.01  416.67     0.00    0   500 11003.33 726.67    800
2 001036     10        1 2507.01    0.00 11718.75    0   300     0.00  35.00      0
4 001061     10        1 2507.01    0.00 20906.67    0   200     0.00  87.50      0
5 001062     10        1 2507.01    0.00  3250.00    0   300     0.00  50.00      0
7 001066     10        1 2507.01    0.00     0.00    0   300  1491.67 388.33    350
9 001100     10        1 2507.01 3333.33     0.00    0     0     0.00   0.00      0
  inc7c3    inc7d
1 166.67 -1254.17
2   0.00    -2.50
4   0.00    -1.67
5   0.00    -2.50
7   0.00   -32.92
9  41.67    -1.67
```

7E Agricultural assets: rt012 (Section 7E)

```
> d<-outfiles[[12]]
> dim(d)
[1] 228631     12

# Household-level monthly earn from rental
> d1$inc7e<-round(d1$s07e_q04/12,2)
> head(d1[d1$s07e_q04>0,])
     psu hhold ln agric_as s07e_q01 s07e_q_1 s07e_q02 s07e_q_2 s07e_q03 s07e_q_3
2143 035   131 19       420        0     1000        0     1000        0        0
2941 050   117 19       420        0    70400        0    20400        0        0
4043 061   152 19       420        0   104000        0        0        0        0
5012 078   049 19       420        0      300        0      900        0        0
6361 101   261 19       420        0    40600        0        0        0        0
8185 136   006 19       420        0     1500        0        0        0        0
     s07e_q04   hhid   inc7e
2143     1000 035131   83.33
2941    30000 050117 2500.00
4043    73000 061152 6083.33
5012     1000 078049   83.33
6361    20000 101261 1666.67
8185     1500 136006  125.00
> inc.save<-inc
> inc<-merge(inc,d1[,c("hhid","inc7e")],by="hhid",all.x=T)
> inc[is.na(inc)]<-0
> head(inc[inc$inc7e>0,])
      hhid region urbanrur     wgt   inc8e   inc4b     inc5 inc9d   inc7b inc7c1
171 009084     10        1 2507.01 3000.00    0.00 29333.33     0    0.00   0.00
235 012160     10        1 2507.01    0.00 5000.00  1750.00     0  975.00  33.33
287 015052     10        1 2507.01    0.00    0.00  8833.33     0 4617.50   0.00
293 015113     10        1 2507.01  583.33 7666.67     0.00     0    0.00   0.00
692 035131     10        1 2507.01 4266.67    0.00     0.00     0    0.00   0.00
731 037174     10        1 2507.01    0.00    0.00     0.00   200 5498.67  23.33
    inc7c2 inc7c3    inc7d   inc7e
171      0   0.00     0.00  833.33
235      0   0.00  -142.50 1750.00
```

287	0	0.00	-199.17	2083.33
293	0	0.00	-91.67	41.67
692	3000	833.33	0.00	83.33
731	0	0.00	-1803.33	1037.50

8C Remittance: rt013 (Section 8C)

8C Migration and remittance (rt013)	Money/in kind	s08c_q14 s08c_q17	amount of money sent 12M value of in-kind sent 12M

```
> d<-outfiles[[13]]
> dim(d)
[1] 2100   22

# Generated the variable of monthly remittances
> d$remit<-round((d$s08c_q14+d$s08c_q17)/12,2)
> head(d[d$s08c_q14>0&d$s08c_q17>0,-4])
   psu hhold migrant_ s08c_q04 s08c_q05 s08c_q_1 s08c_q06 s08c_q07 s08c_q08 s08c_q09
18 030   003       91        3        6       30        1       15        0       46
20 030   010       91        2        7        4        1       26        0       49
21 030   032       91        2        4        8        1       26        0       30
22 030   034       91        3        4        4        1       26        0       22
24 030   064       91        2        8        3        2                 3       43
25 030   073       91        3        2        3        1       26        0       38
   s08c_q10 s08c_q11 s08c_q12 s0bc_q13 s08c_q14 s08c_q15 s08c_q16 s08c_q_2 s08c_q_3
18        1        8       59        3    30000        5        2        3        6
20        1        8       36        4    15000        5        7        6        0
21        1        9       59        4    10000        3        6        0        0
22        1        8       59        7   300000        6        6        0        0
24        1        3       59        4    60000        4        8        0        0
25        1       12       44        4    20000        8        6        8        0
   s08c_q17   hhid    remit
18    20000 030003  4166.67
20     2400 030010  1450.00
21     1000 030032   916.67
22     2500 030034 25208.33
24    20000 030064  6666.67
25     4000 030073  2000.00

# Aggregated at household-level
> t<-aggregate(d$remit,list(d$hhid),sum,row.names=NULL)
```

```
> dim(t)
[1] 1688    2
> colnames(t)<-c("hhid","inc8c")
> head(t)
    hhid   inc8c
1 001110 4833.34
2 001113  833.33
3 001170 2416.67
4 001208 5333.34
5 002080 1100.00
6 002099 6416.67
> inc.save<-inc
> inc<-merge(inc,t,by="hhid",all.x=T)
> inc[is.na(inc)]<-0
> head(inc[inc$inc8c>0,])
     hhid region urbanrur     wgt    inc8e inc4b    inc5    inc9d   inc7b  inc7c1
10 001110     10        1 2507.01 1500.42 25500    0.00 1000.00    0.00   50.00
11 001113     10        1 2507.01 6916.67     0    0.00 2500.00  670.00   70.00
18 001170     10        1 2507.01 2000.00     0    0.00  416.67  221.67  125.00
20 001208     10        1 2507.01 7083.33     0    0.00  333.33  957.50  846.67
26 002080     10        1 2507.01 1000.42     0    0.00  300.00  321.67  202.50
27 002099     10        1 2507.01 6000.00     0 1208.33  400.00 6231.67 2420.00
   inc7c2 inc7c3    inc7d inc7e    inc8c
10 900.00  83.33    -4.17     0 4833.34
11   0.00   0.00    -4.17     0  833.33
18 333.33   0.00   -20.17     0 2416.67
20 675.00  25.00  -101.17     0 5333.34
26   0.00  83.33   -14.58     0 1100.00
27   0.00   0.00 -3232.50     0 6416.67
```

Remarks: Remittances - relationship between Part B, Section 8 and Part C, Section 8

```
> d<-outfiles[[1]]
> dim(d)
[1] 12240   152
> rem<-d[,c("hhid","s08b_q08","s08b_q09")
+ ]
> dim(rem)
[1] 12240     3
> head(rem)
    hhid s08b_q08 s08b_q09
1 010002    30000    70000
2 010010        0        0
3 010026        0        0
4 010038        0        0
5 010046        0        0
6 010058        0        0

> df<-outfiles[[13]]
> df$remit<-df$s08c_q14+df$s08c_q17
> t<-aggregate(df$remit,list(df$hhid),sum,row.names=NULL)
> colnames(t)<-c("hhid","remit")
> head(t)
    hhid remit
1 001110 58000
2 001113 10000
3 001170 29000
4 001208 64000
5 002080 13200
6 002099 77000
> rem<-merge(rem,t,by="hhid",all.x=T,row.names=NULL)
> rem[is.na(rem)]<-0
> head(rem[rem$remit>0,])
     hhid s08b_q08 s08b_q09 remit
10 001110    18000        0 58000
11 001113    10000        0 10000
```

```
18 001170     24000         0 29000
20 001208     55000         0 64000
26 002080     12000         0 13200
27 002099     72000         0 77000
> head(rem[rem$remit>0&rem$s08b_q09>0,])
      hhid s08b_q08 s08b_q09  remit
49  003108        0   100000 140000
68  004063        0   150000 175000
99  005212        0     6000   6000
100 005215        0    40000  50000
108 006106        0   180000 180000
142 008024    50000   100000 170000
> table((rem$s08b_q08+rem$s08b_q09)==0&rem$remit>0)

FALSE  TRUE
12237     3
> table((rem$s08b_q08+rem$s08b_q09)>0&rem$remit==0)

FALSE  TRUE
11166  1074
> head(rem[(rem$s08b_q08+rem$s08b_q09)>0&rem$remit==0,])
      hhid s08b_q08 s08b_q09 remit
17  001145     1500    20000      0
74  004128    16000        0      0
161 009008        0    40000      0
162 009024        0    48000      0
171 009084        0    26000      0
223 012019    12000        0      0
```

Remarks:

The coverage of remittances received from relatives in Part B seems larger than Part C, which is those from members of the household migrated. That is, because Part C is included in Part B, Part C should not be summed up in total household income.

- Generated the variable of monthly total household income.

```
> inc$ttinc<-rowSums(inc[,5:15])
> head(inc)
    hhid region urbanrur     wgt  inc8e inc4b inc5 inc9d    inc7b inc7c1 inc7c2
1 001006     10        1 2507.01 416.67     0    0   500 11003.33 726.67    800
2 001036     10        1 2507.01   0.00  5625    0   300     0.00  35.00      0
3 001054     10        1 2507.01   0.00  6000    0   400     0.00  46.67      0
4 001061     10        1 2507.01   0.00  8960    0   200     0.00  87.50      0
5 001062     10        1 2507.01   0.00  3250    0   300     0.00  50.00      0
6 001065     10        1 2507.01  83.33  8400    0   300     0.00 110.00      0
  inc7c3    inc7d inc7e inc8c    ttinc
1 166.67 -1254.17     0     0 12359.17
2   0.00    -2.50     0     0  5957.50
3   0.00     0.00     0     0  6446.67
4   0.00    -1.67     0     0  9245.83
5   0.00    -2.50     0     0  3597.50
6   0.00     0.00     0     0  8893.33
> weighted.mean(inc$ttinc,inc$wgt)
[1] 12394.19
```

- Mean value of each sub-group of household income (monthly, per household)

```
> apply(inc[5:16],2,function(x) weighted.mean(x,inc$wgt))
      inc8e       inc4b        inc5       inc9d       inc7b       inc7c1
 2413.93431  4292.46394  2027.65159   534.37409  1925.13140   203.25625
     inc7c2      inc7c3       inc7d       inc7e       inc8c        ttinc
  256.05141    76.26206  -734.70098    37.39272  1362.37535 12394.19215
> t<-apply(inc[5:16],2,function(x) weighted.mean(x,inc$wgt))
> lbl<-c("Other income","Wage income","Business income","Imputed rent",
+ "Crop product","Livestock product","Fishery product","Forestry product",
+ "Agri cost","Earn from rent","Renittance","Total income")
> m<-data.frame(item=names(t),value=round(t,1),label=lbl,row.names=NULL)
> m
     item   value             label
1   inc8e  2413.9      Other income
```

```
2    inc4b  4292.5       Wage income
3     inc5  2027.7   Business income
4    inc9d   534.4      Imputed rent
5    inc7b  1925.1      Crop product
6   inc7c1   203.3 Livestock product
7   inc7c2   256.1   Fishery product
8   inc7c3    76.3  Forestry product
9    inc7d  -734.7         Agri cost
10   inc7e    37.4    Earn from rent
11   inc8c  1362.4        Renittance
12   ttinc 12394.2      Total income
```

Remarks

```
# Mean agricultural income
> sum(t[5:10])
[1] 1763.393

# Household-level agricultural income
> inc$agri<-rowSums(inc[,9:14])
> weighted.mean(inc$agri,inc$wgt)
[1] 1763.393

> table(inc$agri==0)
FALSE  TRUE
 8009  4231
> table(inc$agri<0)
FALSE  TRUE
11404   836
> table(inc$agri>0)
FALSE  TRUE
 5067  7173
```

- Out of 12,240 households, 4,231 households have no agricultural income, and 836 households have negative income.
  How to treat negative income in the aggregation?

☐ Monthly income per household

	Monthly income	
Trial calculation	12,394	
Figures in the Report	11,479	
Gap	+915	+8.0%

7. Household Consumption

- The questions of household consumption are asked in the section 9 of the questionnaire, and compiled in data frame rt015 to rt020, as the next.

File	Part of Section 9: Consumption	Item/ item group	Reference period	Remarks	Summary file
rt015	Part A Daily consumption: Day1 to Day14	010-204 g1-g15	14 days	Value in taka and paisa, in-kind, own production	exp015
rt016	B Weekly consumption: Day1-7, Day8-14	210-237 g16-g17	14 days	Value in taka and paisa, in-kind, own production	exp016
rt017	C Monthly non-food expenditure	240-292 g18-g21	1 month	fuel, cosmetics, washing, transport	exp017
rt018	D Annual non-food expenditure	300-352 g22-g24	12 months	garment, cloth, footwear	exp018
rt019	D Annual non-food expenditure	360-553 g25-g38	12 months	textile, medical, housing, education, remittances, recreation, tax, cooking equipment, furniture, personal articles, household durables, insurance	exp019
rt020	E Inventory of durable goods	561-600 g39 (gd)	12 months	cost if procured within last 12M	exp020

☐ Strategy to generate household-level variable of household consumption.
- ✓ Monthly consumption per household
- ✓ Total household consumption and disaggregation by subgroups having item codes ending with 0.

☐ For each data frame “rt0xx”, to generate the household-level summary file “exp0xx” including variables of subgroups.

☐ To merge exp015 to exp020, and convert to monthly expenditure.

Remarks:

- Multiplier to convert 14 days (2 weeks) to monthly.
  Multiplier = 2 for g1 to g17

- Multiplier to convert yearly to monthly.
  Multiplier = 1/12 for g22 to g38 and dg

- **The values of food; part A and part B are written in Taka and Paisa.**
  Others are in Taka.

- The currency of Bangladesh is Taka and Paisa.
  100 paisa = 1 taka
  1 US$ = about 72 taka

rt015: Daily food (Day 1 to Day 14)

```
> d<-outfiles[[15]]
> dim(d)
[1] 438556     63
> d<-d[order(d$hhid,d$item),]
> head(d)
       psu hhold ln item s09a1d01 s09a1d_1 s09a1d_2 s09a1d_3 s09a1d02
213714 001   006  1   10     7200             26400         0     7200
213715 001   006  3   12     6000        gm   22800         3     6000
213716 001   006  5   14        0        gm       0         0        0
213717 001   006  6   15        0        gm       0         0        0
213718 001   006  7   16      200        gm    1200         3      200
213719 001   006  8   17      960        gm    2400         1     1000
       s09a1d_4 s09a1d_5 s09a1d_6 s09a1d03 s09a1d_7 s09a1d_8 s09a1d_9
213714             26400         0     6300             24600         0
213715       gm    22800         3     6000        gm   22800         3
213716       gm        0         0        0        gm       0         0
213717       gm        0         0        0        gm       0         0
213718       gm     1200         1      300        gm    1800         1
213719       gm     2400         1        0        gm       0         0
       s09a1d04 s09a1_10 s09a1_11 s09a1_12 s09a1d05 s09a1_13 s09a1_14
213714     5200             19500         0     7500             27600
213715     5000        gm   17500         3     6000        gm   24000
213716        0        gm       0         0        0        gm       0
213717        0        gm       0         0        0        gm       0
213718        0        gm       0         0        0        gm       0
213719        0        gm       0         0     1500        gm    3600
       s09a1_15 s09a1d06 s09a1_16 s09a1_17 s09a1_18 s09a1d07 s09a1_19
213714        0     7000             26400         0     7500
213715        3     6000        gm   24000         3     6000        gm
213716        0        0        gm       0         0        0        gm
213717        0        0        gm       0         0        0        gm
213718        0        0        gm       0         0        0        gm
213719        1     1000        gm    2400         1     1500        gm
       s09a1_20 s09a1_21 s09a1d08 s09a1_22 s09a1_23 s09a1_24 s09a1d09
213714    27600        0     7500             27600         0     6300
213715    24000        1     6000        gm   24000         3     6000
213716        0        0        0        gm       0         0        0
213717        0        0        0        gm       0         0        0
213718        0        0        0        gm       0         0      300
213719     3600        1     1500        gm    3600         1        0
       s09a1_25 s09a1_26 s09a1_27 s09a1d10 s09a1_28 s09a1_29 s09a1_30
213714             29400         0     6300             29100         0
213715       gm    27600         1     6000        gm   27600         1
213716       gm        0         0        0        gm       0         0
213717       gm        0         0      300        gm    1500         1
213718       gm     1800         1        0        gm       0         0
213719       gm        0         0        0        gm       0         0
       s09a1d11 s09a1_31 s09a1_32 s09a1_33 s09a1d12 s09a1_34 s09a1_35
213714     6400             30800         0     6500             31600
213715     6000        gm   27600         1     6000        gm   27600
213716        0        gm       0         0        0        gm       0
213717        0        gm       0         0        0        gm       0
213718      200        gm    1200         1        0        gm       0
213719        0        gm       0         0        0        gm       0
```

```
       s09a1_36 s09a1d13 s09a1_37 s09a1_38 s09a1_39 s09a1d14 s09a1_40
213714        0     6400             26000        0     6400
213715        3     6000       gm    24000        3     6000       gm
213716        0      200       gm      800        1      200       gm
213717        0        0       gm        0        0        0       gm
213718        0      200       gm     1200        1      200       gm
213719        0        0       gm        0        0        0       gm
       s09a1_41 s09a1_42 t kcal   hhid
213714    26000        0 1    0 001006
213715    24000        3 0  346 001006
213716      800        1 0  346 001006
213717        0        0 0  325 001006
213718     1200        1 0  354 001006
213719        0        0 0  341 001006


# Data frame consisted of sub-total records
> d2<-subset(d,is.element(d$item,c(10,30,40,60,70,80,100,110,120,130,150,160,170,180,200)))
> dim(d2)
[1] 123134     63

# Sum of values from Day 1 to Day 14
> d2$ttl<-rowSums(d2[,seq(7,59,by=4)])
> head(d2[,c(1:4,seq(7,59,by=4),63:64)])
       psu hhold ln item s09a1d_2 s09a1d_5 s09a1d_8 s09a1_11 s09a1_14 s09a1_17
213714 001   006  1   10    26400    26400    24600    19500    27600    26400
213721 001   006 15   30     2500     2500     2500     2000        0        0
213724 001   006 22   40     2500     3000        0        0        0        0
213726 001   006 50   80     3300     5100     4100     1900     2000     2400
213737 001   006 67  100     1000     1000     1000        0     1000     1000
213739 001   006 79  120     2100     2100     1200     1200     2100     1200
       s09a1_20 s09a1_23 s09a1_26 s09a1_29 s09a1_32 s09a1_35 s09a1_38 s09a1_41
213714    27600    27600    29400    29100    30800    31600    26000    26000
213721        0        0        0        0     1000        0     1200     1200
213724     2000     2000     1000     2000     1000     1000     2000     2000
213726     2900     3000     4200     3200     1700     2500     4600     3900
213737     1000     1000     2000     1000     1000     1000     1000     1000
213739     1500     1500     2100     2100     1200     1200     1200     1700
         hhid    ttl
213714 001006 379000
213721 001006  12900
213724 001006  18500
213726 001006  44800
213737 001006  14000
213739 001006  22400


# Household-level data frame of the amount of daily consumption within 14 days by sub-groups

> t<-tapply(d2$ttl,list(d2$hhid,d2$item),sum,na.rm=T)
> dim(t)
[1] 12239    15
> df<-data.frame(hhid=rownames(t),t,row.names=NULL)
> colnames(df)<-c("hhid",paste("g",1:15,sep=""))
> df[is.na(df)]<-0
```

```
> head(df)
    hhid     g1    g2    g3 g4    g5    g6    g7 g8    g9  g10  g11   g12
1 001006 379000 12900 18500  0     0 44800 14000  0 22400    0 4700 14000
2 001036  86600     0 10600  0 15000 18600     0  0 14800    0    0     0
3 001054 135200  8450 64500  0 24000 22800     0  0 17900 2600  600  3000
4 001061  70350     0 31000  0     0 21900     0  0 15900  600 1000  1500
5 001062  41000  2000 25000  0  8000  9200     0  0 13800    0    0  2500
6 001065  67800     0 19500  0     0 16900     0  0 16150    0    0     0
  g13  g14  g15
1   0    0    0
2   0 1500 8400
3   0 1600    0
4   0  600 3600
5   0    0 2400
6   0 3800 8700

> exp015<-df
```

Remarks: The number of records of exp015 is 12,239 and one household' record might be missing.

```
> setdiff(HHID,exp015$hhid)
[1] "545041"
> d3<-subset(d,hhid== "545041")
> dim(d3)
[1] 13 63

> d3[,c(1:4,seq(7,59,by=4),63)]
       psu hhold  ln item s09a1d_2 s09a1d_5 s09a1d_8 s09a1_11 s09a1_14
130027 545   041   2   11     1500     1500     1500     1500     1500
130028 545   041  16   31      500      500      500      500      500
130029 545   041  23   41        0        0     4000        0        0
130030 545   041  27   45        0        0        0        0     3000
130031 545   041  30   48        0      500        0        0        0
130032 545   041  31   49     1000        0        0        0        0
130033 545   041  39   61        0        0      600        0        0
130034 545   041  51   81      300      300      300      300      300
130035 545   041  59   89      400        0        0        0        0
130036 545   041  64   95      200      200        0        0      400
130037 545   041  65   96        0        0      200      200        0
130038 545   041  81  122      500      500      500      500      500
130039 545   041 133  191      600      600      600      600      600
       s09a1_17 s09a1_20 s09a1_23 s09a1_26 s09a1_29 s09a1_32 s09a1_35
130027     1500     1500        0        0        0        0        0
130028      500      500        0        0        0        0        0
130029     4000        0        0        0        0        0        0
130030        0        0        0        0        0        0        0
130031        0     1000        0        0        0        0        0
130032        0        0        0        0        0        0        0
130033        0        0        0        0        0        0        0
130034      300      300        0        0        0        0        0
130035        0        0        0        0        0        0        0
130036        0        0        0        0        0        0        0
130037      200      200        0        0        0        0        0
130038      500      500        0        0        0        0        0
130039      600      600        0        0        0        0        0
```

	s09a1_38	s09a1_41	hhid
130027	0	0	545041
130028	0	0	545041
130029	0	0	545041
130030	0	0	545041
130031	0	0	545041
130032	0	0	545041
130033	0	0	545041
130034	0	0	545041
130035	0	0	545041
130036	0	0	545041
130037	0	0	545041
130038	0	0	545041
130039	0	0	545041

Summary:
For hhid=545041, there are values between Day1 and Day7, but no values between Day8 and Day14.
Furthermore, there are no items of subtotal.

rt016: Weekly consumption (Day 1-7 and Day 8-14)

```
> d<-outfiles[[16]]
> dim(d)
[1] 200008     14
> d<-d[order(d$hhid),]
> head(d)
       psu hhold ln item s09b1w1_ s09b1w_1 s09b1w_2 s09b1w_3 s09b1w2_
125702 001   006  1  210     3050             26100         0      2800
125703 001   006  2  211      400        gm     6000         1       400
125704 001   006  4  213     1000        gm     2400         1      1000
125705 001   006  5  214      200        gm     2400         1       200
125706 001   006  6  215      400        gm    12000         1       400
125707 001   006  7  216     1000        gm     1300         1       750
       s09b1w_4 s09b1w_5 s09b1w_6 kcal   hhid
125702             25700         0    0 001006
125703        gm    6000         1  245 001006
125704        gm    2400         1   50 001006
125705        gm    2400         1  145 001006
125706        gm   12000         1  349 001006
125707        gm     900         1   67 001006
> table(d$item)
  210   211   212   213   214   215   216   217   218   219   221   222
12229 11521 11511 12212 11787 12225 12221  9903 10817  8511  9159  8817
  223   230   231   232   233   234   235   236   237
 7143  9306  8666  8672  7928  8629  6262  6604  5885
```

```
# Data frame consisted of sub-total records

> d2<-subset(d,item==210|item==230)
> dim(d2)
[1] 21535    14
> head(d2)
       psu hhold ln item s09b1w1_ s09b1w_1 s09b1w_2 s09b1w_3 s09b1w2_
125702 001   006  1  210     3050             26100         0      2800
125709 001   006 14  230      435              6100         0       435
125714 001   036  1  210     1550             14100         0      1550
125721 001   054  1  210     1450             10500         0      1700
125727 001   054 14  230      600              6200         0       600
125732 001   061  1  210     1500             11900         0      1750
       s09b1w_4 s09b1w_5 s09b1w_6 kcal   hhid
125702             25700         0    0 001006
125709              5600         0    0 001006
125714             14100         0    0 001036
125721             11100         0    0 001054
125727              6200         0    0 001054
125732             12500         0    0 001061
```

```
# Household-level data frame of the amount of weekly consumption within 14 days by sub-groups

> t<-tapply(d2$s09b1w_2+d2$s09b1w_5,list(d2$hhid,d2$item),sum,na.rm=T)
> dim(t)
[1] 12230     2
> df<-data.frame(hhid=rownames(t),t,row.names=NULL)
```

```
> colnames(df)<-c("hhid",paste("g",16:17,sep=""))
> df[is.na(df)]<-0
> head(df)
    hhid   g16   g17
1 001006 51800 11700
2 001036 28200     0
3 001054 21600 12400
4 001061 24400 14800
5 001062 14800     0
6 001065 18400  6000

> exp016<-df
```

rt017: Monthly non-food consumption (item 240-292)

```
> d<-outfiles[[17]]
> dim(d)
[1] 362670      8
> d<-d[order(d$hhid),]
> head(d)
       psu hhold ln item s09c1_q0 s09c1__1 s09c1__2   hhid
200916 001   006  1  240      123       300       423 001006
200917 001   006  2  241        0       150       150 001006
200918 001   006  3  242        0       150       150 001006
200919 001   006  4  243        0         0         0 001006
200920 001   006  5  244      115         0       115 001006
200921 001   006  6  245        0         0         0 001006
> table(d$item)
  240   241   242   243   244   245   246   247   248   249   250   251
12221  8867  7264  5858 10147  7613  6091  9207  4896 11542 12168 10301
  252   253   254   255   256   257   260   261   262   263   264   265
 5772 11131 11633  7738  6651  8269 12192 12070 12120  6097  5526  5806
  266   267   268   269   270   271   272   273   274   275   276   277
 5073  5677  7216  4997 11852  9067  9584  7492  5314  4977  5123  5659
  278   279   281   282   283   284   285   286   287   288   289   291
 4996  4862  4880  4947  4858  4896  5002  9746  5010  4968  4864  4900
  292
 5530


# Data frame consisted of sub-total records

> d2<-subset(d,item==240|item==250|item==260|item==270)
> dim(d2)
[1] 48433     8
> head(d2)
       psu hhold ln item s09c1_q0 s09c1__1 s09c1__2   hhid
200916 001   006  1  240      123       300       423 001006
200926 001   006 11  250      220         0       220 001006
200934 001   006 19  260       75         0        75 001006
200944 001   006 29  270      350         0       350 001006
200965 001   036  1  240       80       275       355 001036
200975 001   036 11  250      230         0       230 001036


# Household-level data frame of the amount of monthly non-food consumption sub-groups

> t<-tapply(d2$s09c1__2,list(d2$hhid,d2$item),sum,na.rm=T)
> dim(t)
[1] 12231     4
> df<-data.frame(hhid=rownames(t),t,row.names=NULL)
> colnames(df)<-c("hhid",paste("g",18:21,sep=""))
> df[is.na(df)]<-0
> head(df)
    hhid g18 g19 g20 g21
1 001006 423 220  75 350
2 001036 355 230  44 240
3 001054 388 130  65 360
4 001061 329 155  53  60
```

```
5 001062 306 130  70 300
6 001065 556 180  30 250

> exp017<-df
```

rt018: Annual non-food consumption (item 300-352)

```
> d<-outfiles[[18]]
> dim(d)
[1] 285162      7
> d<-d[order(d$hhid),]
> head(d)
       psu hhold ln item s09d1_q0 s09d1__1   hhid
155544 001   006  1  300       61     7660 001006
155545 001   006  2  301        4      900 001006
155546 001   006  3  302        2      500 001006
155547 001   006  5  304        4     1300 001006
155548 001   006  6  305        8      700 001006
155549 001   006  7  306       12     1400 001006

> table(d$item)
  300   301   302   303   304   305   306   307   308   309   311   312
12225 11485 10502  8227 11642 10555  7833  6170  3614  5652  8845  4979
  313   314   315   316   317   318   319   321   322   323   324   325
 4872  3722  5489  7435  5940  4316  6320  3867  4419  5758  9178  3941
  326   330   331   332   333   334   335   336   337   338   339   340
 3739  8459  4895  3226  3112  3120  3118  3110  3326  8006  3912 12081
  341   342   343   344   345   346   347   348   349   351   352
 5408  4645  7960  5974  5145 10309  3634  3420  3184  5268  3125


# Data frame consisted of sub-total records

> d2<-subset(d,item==300|item==330|item==340)
> dim(d2)
[1] 32765     7
> head(d2)
       psu hhold ln item s09d1_q0 s09d1__1   hhid
155544 001   006  1  300       61     7660 001006
155554 001   006 26  330        0      600 001006
155556 001   006 36  340       13     1500 001006
155560 001   036  1  300       15     2350 001036
155565 001   036 36  340        3      350 001036
155567 001   054  1  300       38     5260 001054


# Household-level data frame of the amount of monthly non-food consumption sub-groups

> t<-tapply(d2$s09d1__1,list(d2$hhid,d2$item),sum,na.rm=T)
> dim(t)
[1] 12226     3
> head(t)
        300 330  340
001006 7660 600 1500
001036 2350  NA  350
001054 5260 300 1250
001061 4220 550  775
001062 2200 550  250
001065 1950 150  650
> df<-data.frame(hhid=rownames(t),t,row.names=NULL)
> head(df)
```

```
    hhid X300 X330 X340
1 001006 7660  600 1500
2 001036 2350   NA  350
3 001054 5260  300 1250
4 001061 4220  550  775
5 001062 2200  550  250
6 001065 1950  150  650
> str(df)
'data.frame':   12226 obs. of  4 variables:
 $ hhid: Factor w/ 12226 levels "001006","001036",..: 1 2 3 4 5 6 7 8 9 10 ...
 $ X300: num  7660 2350 5260 4220 2200 1950 4320 4020 1100 6740 ...
 $ X330: num  600 NA 300 550 550 150 300 300 NA 600 ...
 $ X340: num  1500 350 1250 775 250 650 740 670 200 2060 ...

> colnames(df)<-c("hhid","g22","g23","g24")
> df[is.na(df)]<-0
> head(df)
    hhid  g22 g23  g24
1 001006 7660 600 1500
2 001036 2350   0  350
3 001054 5260 300 1250
4 001061 4220 550  775
5 001062 2200 550  250
6 001065 1950 150  650

> exp018<-df
```

rt019: Annual non-food expenditure (item 360-553)

```
> d<-outfiles[[19]]
> dim(d)
[1] 830454      6

> d<-d[order(d$hhid,d$item),]
> head(d)
       psu hhold ln item s09d2_q0   hhid
505484 001   006 26  380     6000 001006
505485 001   006 28  382     6000 001006
505479 001   006 14  390     1555 001006
505480 001   006 17  393      700 001006
505481 001   006 19  395      450 001006
505482 001   006 20  396        5 001006
> table(d$item)

   27   360   361   362   363   364   365   366   367   368   369   371
 4813  9459  5930  5267  4744  4724  7289  4949  5110  5267  4804  4849
  372   373   380   381   382   383   384   385   386   387   388   389
 6584  4933 11662  5817 10363  4842  5206  4777  4787  5422  5335  4889
  390   391   392   393   394   395   396   397   398   399   401   402
11050  7632  4929 10812  4812  5575  4841  4784  4777  4723  4732  6625
  410   411   412   413   414   415   416   417   419   421   422   423
11382  7969  5052 11143  4853  5798  4903  4796  4725  4729  4906  6857
  430   431   432   433   434   435   436   437   438   440   441   442
 8657  5253  7549  5475  6082  6645  7864  4867  7461  8547  5188  7462
  443   444   445   446   447   448   450   451   452   453   454   455
 5359  5646  6509  7732  4788  7360 10207  5072  4980  8062  6011  6906
  456   457   458   459   461   462   463   470   471   472   473   474
 7132  4728  4858  5275  4888  4901  5191  8718  4957  4820  4694  4716
  475   476   477   478   479   481   490   491   492   493   494   495
 4760  4823  4755  6600  5009  6791  6144  4769  4692  4699  4833  4844
  496   497   500   501   502   503   504   505   506   507   508   510
 4729  4747  9576  6835  4757  4792  7795  5772  5171  4792  5436  6847
  511   512   513   514   515   516   517   520   521   522   523   524
 5255  5022  4740  4861  4777  4782  4954  8155  5030  4790  5992  4803
  525   526   528   529   530   531   532   533   534   535   536   537
 5238  6134  5002  5385  8151  4715  4692  4713  4764  4691  4748  4691
  538   539   541   542   543   550   551   552   553   718
 4687  4710  7221  5000  4690  6122  4902  4681  4827  4774
```

Remarks:
Item 718 (spectacles) is located between item 417 and 419.
Item 27 (Tie-pin, cigarette, lighter etc.) is located between item 526 and 528.
They seem to be typos!

```
# Data frame consisted of sub-total records

> d2<-subset(d, is.element(d$item,c(360,380,390,410,430,440,450,470,490,500,510,520,530,550)))
> dim(d2)
[1] 124677      6
> head(d2)
       psu hhold ln item s09d2_q0   hhid
```

```
505484 001   006 26  380     6000 001006
505479 001   006 14  390     1555 001006
505486 001   006 36  410      400 001006
505491 001   006 71  440     1530 001006
505488 001   006 58  450      700 001006
505496 001   006 99  500      450 001006


# Household-level data frame of the amount of monthly non-food consumption sub-groups

> t<-tapply(d2$s09d2_q0,list(d2$hhid,d2$item),sum,na.rm=T)
> dim(t)
[1] 12217    14
> df<-data.frame(hhid=rownames(t),t,row.names=NULL)
> colnames(df)<-c("hhid",paste("g",25:38,sep=""))
> df[is.na(df)]<-0
> head(df)
    hhid g25  g26  g27   g28  g29  g30 g31 g32 g33 g34 g35 g36 g37 g38
1 001006   0 6000 1555   400    0 1530 700   0   0 450   0   0   0   0
2 001036   0 3600  900  1105    0    0   0  55   0   0   0   0   0   0
3 001054   0 6300  400   700 8750    0 200  60   0 250   0   0   0   0
4 001061   0 2900  300 11800    0  505 150   0   0   0   0   0   0   0
5 001062   0 4600  200   250    0    0  50   0   0   0   0   0   0   0
6 001065   0 3600 3515   300    0    0   0   0   0   0   0   0   0   0

> exp019<-df
```

rt020: Inventory of consumer durable goods

```
> d<-outfiles[[20]]
> dim(d)
[1] 341813      9

> d<-d[order(d$hhid,d$dg_code),]
> head(d)
       psu hhold ln dg_code s09e_q01 s09e_q02 s09e_q03 s09e_q04   hhid
170606 001   006  1     561        2        0        0        0 001006
170607 001   006  2     562        2        0        0        0 001006
170608 001   006  3     563        2        0        0        0 001006
170609 001   006  4     564        2        0        0        0 001006
170610 001   006  5     565        2        0        0        0 001006
170611 001   006  6     566        2        0        0        0 001006

> table(d$dg_code,useNA="ifany")
  561   562   563   564   565   566   567   568   569   571   572   573
12215 12218 12215 12215 12215 12215 12215 12215 12216 12215 12215 12215
  574   575   576   577   578   579   581   582   583   584   585   586
12215 12215 12215 12216 12216 12215 12216 12217 12216 12216 12216 12217
  587   588   589   600
12217 12215 12147 12060


# Data frame consisted of sub-total records

> d2<-subset(d,dg_code==600)
> dim(d2)
[1] 12060     9
> head(d2)
       psu hhold ln dg_code s09e_q01 s09e_q02 s09e_q03 s09e_q04   hhid
170633 001   006 28     600        0        0     3900     1350 001006
170661 001   036 28     600        0        0      700        0 001036
170689 001   054 28     600        0        0     3300      250 001054
170717 001   061 28     600        0        0        0      150 001061
170745 001   062 28     600        0        0     3000     3250 001062
170773 001   065 28     600        0        0      400        0 001065

> df<-data.frame(hhid=d2$hhid,dg=d2$s09e_q04)
> head(df)
    hhid   dg
1 001006 1350
2 001036    0
3 001054  250
4 001061  150
5 001062 3250
6 001065    0

> exp020<-df
```

Aggregation of expenditure

- Merged exp015 to exp020 as exp

```
> exp<-outfiles[[1]][,c("hhid","wgt")]
> dim(exp)
[1] 12240     2
> exp<-exp[order(exp$hhid),]
> head(exp)
       hhid     wgt
6121 001006 2507.01
6122 001036 2507.01
6123 001054 2507.01
6124 001061 2507.01
6125 001062 2507.01
6126 001065 2507.01

> exp.s1<-exp
> exp<-merge(exp,exp015,by="hhid",all.x=T)
> dim(exp)
[1] 12240    17
> head(exp)
    hhid     wgt     g1    g2    g3 g4    g5    g6    g7 g8    g9  g10  g11
1 001006 2507.01 379000 12900 18500  0     0 44800 14000  0 22400    0 4700
2 001036 2507.01  86600     0 10600  0 15000 18600     0  0 14800    0    0
3 001054 2507.01 135200  8450 64500  0 24000 22800     0  0 17900 2600  600
4 001061 2507.01  70350     0 31000  0     0 21900     0  0 15900  600 1000
5 001062 2507.01  41000  2000 25000  0  8000  9200     0  0 13800    0    0
6 001065 2507.01  67800     0 19500  0     0 16900     0  0 16150    0    0
    g12 g13  g14  g15
1 14000   0    0    0
2     0   0 1500 8400
3  3000   0 1600    0
4  1500   0  600 3600
5  2500   0    0 2400
6     0   0 3800 8700

> exp.s2<-exp
> exp<-merge(exp,exp016,by="hhid",all.x=T)
> dim(exp)
[1] 12240    19
> head(exp)
    hhid     wgt     g1    g2    g3 g4    g5    g6    g7 g8    g9  g10  g11
1 001006 2507.01 379000 12900 18500  0     0 44800 14000  0 22400    0 4700
2 001036 2507.01  86600     0 10600  0 15000 18600     0  0 14800    0    0
3 001054 2507.01 135200  8450 64500  0 24000 22800     0  0 17900 2600  600
4 001061 2507.01  70350     0 31000  0     0 21900     0  0 15900  600 1000
5 001062 2507.01  41000  2000 25000  0  8000  9200     0  0 13800    0    0
6 001065 2507.01  67800     0 19500  0     0 16900     0  0 16150    0    0
    g12 g13  g14  g15   g16   g17
1 14000   0    0    0 51800 11700
2     0   0 1500 8400 28200     0
3  3000   0 1600    0 21600 12400
4  1500   0  600 3600 24400 14800
5  2500   0    0 2400 14800     0
6     0   0 3800 8700 18400  6000
```

```
> exp.s3<-exp
> exp<-merge(exp,exp017,by="hhid",all.x=T)
> dim(exp)
[1] 12240    23
> head(exp)
    hhid     wgt      g1    g2    g3 g4    g5    g6    g7 g8    g9  g10  g11
1 001006 2507.01 379000 12900 18500  0     0 44800 14000  0 22400    0 4700
2 001036 2507.01  86600     0 10600  0 15000 18600     0  0 14800    0    0
3 001054 2507.01 135200  8450 64500  0 24000 22800     0  0 17900 2600  600
4 001061 2507.01  70350     0 31000  0     0 21900     0  0 15900  600 1000
5 001062 2507.01  41000  2000 25000  0  8000  9200     0  0 13800    0    0
6 001065 2507.01  67800     0 19500  0     0 16900     0  0 16150    0    0
    g12 g13  g14  g15   g16   g17 g18 g19 g20 g21
1 14000   0    0    0 51800 11700 423 220  75 350
2     0   0 1500 8400 28200     0 355 230  44 240
3  3000   0 1600    0 21600 12400 388 130  65 360
4  1500   0  600 3600 24400 14800 329 155  53  60
5  2500   0    0 2400 14800     0 306 130  70 300
6     0   0 3800 8700 18400  6000 556 180  30 250

> exp.s4<-exp
> exp<-merge(exp,exp018,by="hhid",all.x=T)
> dim(exp)
[1] 12240    26
> head(exp)
    hhid     wgt      g1    g2    g3 g4    g5    g6    g7 g8    g9  g10  g11
1 001006 2507.01 379000 12900 18500  0     0 44800 14000  0 22400    0 4700
2 001036 2507.01  86600     0 10600  0 15000 18600     0  0 14800    0    0
3 001054 2507.01 135200  8450 64500  0 24000 22800     0  0 17900 2600  600
4 001061 2507.01  70350     0 31000  0     0 21900     0  0 15900  600 1000
5 001062 2507.01  41000  2000 25000  0  8000  9200     0  0 13800    0    0
6 001065 2507.01  67800     0 19500  0     0 16900     0  0 16150    0    0
    g12 g13  g14  g15   g16   g17 g18 g19 g20 g21  g22 g23  g24
1 14000   0    0    0 51800 11700 423 220  75 350 7660 600 1500
2     0   0 1500 8400 28200     0 355 230  44 240 2350   0  350
3  3000   0 1600    0 21600 12400 388 130  65 360 5260 300 1250
4  1500   0  600 3600 24400 14800 329 155  53  60 4220 550  775
5  2500   0    0 2400 14800     0 306 130  70 300 2200 550  250
6     0   0 3800 8700 18400  6000 556 180  30 250 1950 150  650

> exp.s5<-exp
> exp<-merge(exp,exp019,by="hhid",all.x=T)
> dim(exp)
[1] 12240    40
> head(exp)
    hhid     wgt      g1    g2    g3 g4    g5    g6    g7 g8    g9  g10  g11
1 001006 2507.01 379000 12900 18500  0     0 44800 14000  0 22400    0 4700
2 001036 2507.01  86600     0 10600  0 15000 18600     0  0 14800    0    0
3 001054 2507.01 135200  8450 64500  0 24000 22800     0  0 17900 2600  600
4 001061 2507.01  70350     0 31000  0     0 21900     0  0 15900  600 1000
5 001062 2507.01  41000  2000 25000  0  8000  9200     0  0 13800    0    0
6 001065 2507.01  67800     0 19500  0     0 16900     0  0 16150    0    0
    g12 g13  g14  g15   g16   g17 g18 g19 g20 g21  g22 g23  g24 g25  g26  g27
1 14000   0    0    0 51800 11700 423 220  75 350 7660 600 1500   0 6000 1555
2     0   0 1500 8400 28200     0 355 230  44 240 2350   0  350   0 3600  900
```

```
3  3000    0 1600     0 21600 12400 388 130   65 360 5260 300 1250    0 6300   400
4  1500    0  600  3600 24400 14800 329 155   53  60 4220 550  775    0 2900   300
5  2500    0    0  2400 14800     0 306 130   70 300 2200 550  250    0 4600   200
6     0    0 3800  8700 18400  6000 556 180   30 250 1950 150  650    0 3600  3515
    g28  g29  g30 g31 g32 g33 g34 g35 g36 g37 g38
1   400    0 1530 700   0   0 450   0   0   0   0
2  1105    0    0   0  55   0   0   0   0   0   0
3   700 8750    0 200  60   0 250   0   0   0   0
4 11800    0  505 150   0   0   0   0   0   0   0
5   250    0    0  50   0   0   0   0   0   0   0
6   300    0    0   0   0   0   0   0   0   0   0

> exp.s6<-exp
> exp<-merge(exp,exp020,by="hhid",all.x=T)
> dim(exp)
[1] 12240    41
> head(exp)
    hhid     wgt     g1    g2    g3 g4    g5    g6    g7 g8    g9  g10  g11
1 001006 2507.01 379000 12900 18500  0     0 44800 14000  0 22400    0 4700
2 001036 2507.01  86600     0 10600  0 15000 18600     0  0 14800    0    0
3 001054 2507.01 135200  8450 64500  0 24000 22800     0  0 17900 2600  600
4 001061 2507.01  70350     0 31000  0     0 21900     0  0 15900  600 1000
5 001062 2507.01  41000  2000 25000  0  8000  9200     0  0 13800    0    0
6 001065 2507.01  67800     0 19500  0     0 16900     0  0 16150    0    0
    g12 g13  g14  g15   g16   g17 g18 g19 g20 g21  g22 g23  g24 g25  g26  g27
1 14000   0    0    0 51800 11700 423 220  75 350 7660 600 1500   0 6000 1555
2     0   0 1500 8400 28200     0 355 230  44 240 2350   0  350   0 3600  900
3  3000   0 1600    0 21600 12400 388 130  65 360 5260 300 1250   0 6300  400
4  1500   0  600 3600 24400 14800 329 155  53  60 4220 550  775   0 2900  300
5  2500   0    0 2400 14800     0 306 130  70 300 2200 550  250   0 4600  200
6     0   0 3800 8700 18400  6000 556 180  30 250 1950 150  650   0 3600 3515
    g28  g29  g30 g31 g32 g33 g34 g35 g36 g37 g38   dg
1   400    0 1530 700   0   0 450   0   0   0   0 1350
2  1105    0    0   0  55   0   0   0   0   0   0    0
3   700 8750    0 200  60   0 250   0   0   0   0  250
4 11800    0  505 150   0   0   0   0   0   0   0  150
5   250    0    0  50   0   0   0   0   0   0   0 3250
6   300    0    0   0   0   0   0   0   0   0   0    0

> exp.s7<-exp
> exp[is.na(exp)]<-0
> exp.old<-exp
```

- **Converted to monthly expenditure in taka**
  Multiplier = 1 month/2 weeks/ 100 = 0.02 for g1 to g17
  Multiplier = 1/12 for g22 to g38 and dg
  Multiplier = 1 for g18 to g21

```
> for(j in 1:17) exp[,j+2]<-round(exp[,j+2]*0.02)
> for(j in 22:39) exp[,j+2]<-round(exp[,j+2]/12)
> head(exp)
    hhid     wgt   g1  g2   g3 g4  g5  g6  g7 g8  g9 g10 g11 g12 g13 g14 g15
1 001006 2507.01 7580 258  370  0   0 896 280  0 448   0  94 280   0   0   0
2 001036 2507.01 1732   0  212  0 300 372   0  0 296   0   0   0   0  30 168
3 001054 2507.01 2704 169 1290  0 480 456   0  0 358  52  12  60   0  32   0
4 001061 2507.01 1407   0  620  0   0 438   0  0 318  12  20  30   0  12  72
```

```
5 001062 2507.01  820  40  500  0 160 184   0  0 276   0   0  50   0   0  48
6 001065 2507.01 1356   0  390  0   0 338   0  0 323   0   0   0   0  76 174
   g16 g17 g18 g19 g20 g21 g22 g23 g24 g25 g26 g27 g28 g29 g30 g31 g32 g33
1 1036 234 423 220  75 350 638  50 125   0 500 130  33   0 128  58   0   0
2  564   0 355 230  44 240 196   0  29   0 300  75  92   0   0   0   5   0
3  432 248 388 130  65 360 438  25 104   0 525  33  58 729   0  17   5   0
4  488 296 329 155  53  60 352  46  65   0 242  25 983   0  42  12   0   0
5  296   0 306 130  70 300 183  46  21   0 383  17  21   0   0   4   0   0
6  368 120 556 180  30 250 162  12  54   0 300 293  25   0   0   0   0   0
  g34 g35 g36 g37 g38  dg
1  38   0   0   0   0 112
2   0   0   0   0   0   0
3  21   0   0   0   0  21
4   0   0   0   0   0  12
5   0   0   0   0   0 271
6   0   0   0   0   0   0
```

- Monthly household expenditure by expenditure group in taka

```
> exp.item<-c("1 Food grains","2 Pulses","3 Fish","4 Eggs","5 Meat","6 Vegetables",
+ "7 Milk & Daily","8 Sweetmeat","9 Oil & Fats","10 Fruits","11 Drinks",
+ "12 Sugar & molasses","13 Miscellaneous Food","14 Dining out",
+ "15 Tobacco & tobacco produts", "16 Spices","17 Betel leaf & Chewgoods",
+ "18 Fuel & lighting","19 Cosmetics & other expenses","20 Washing & cleaning expenses",
+ "21 Transport/travel & other misc. charges","22 Ready-made garments",
+ "23 Clothing material & tailoring","24 Footwear","25 Household-use textiles, etc.",
+ "26 Housing related expenses","27 Medical treatment expenses (male)",
+ "28 Medical treatment expenses (female)","29 Educatonal expenses (male)",
+ "30 Educational expenses (female)","31 Remittances, ceremonies, gift, etc.",
+ "32 Recreation & leisure, etc.","33 Taxes, interest, fines, etc.",
+ "34 Cooking equipent","35 Furniture & related paraphernalia","36 Personal articles",
+ "37 Misc. household durable","38 Insurance expenditure","dg Durable goods")

> for(j in 1:39){
+
cat("¥n",formatC(round(weighted.mean(exp[,j+2],exp$wgt)),width=6,format="d"),":",exp.item[j])
+ }

   1974 : 1 Food grains
    141 : 2 Pulses
    751 : 3 Fish
     90 : 4 Eggs
    471 : 5 Meat
    428 : 6 Vegetables
    165 : 7 Milk & Daily
     41 : 8 Sweetmeat
    237 : 9 Oil & Fats
    223 : 10 Fruits
     40 : 11 Drinks
     73 : 12 Sugar & molasses
      8 : 13 Miscellaneous Food
    162 : 14 Dining out
    125 : 15 Tobacco & tobacco produts
    415 : 16 Spices
    131 : 17 Betel leaf & Chewgoods
```

```
   620 : 18 Fuel & lighting
   173 : 19 Cosmetics & other expenses
   132 : 20 Washing & cleaning expenses
   693 : 21 Transport/travel & other misc. charges
   428 : 22 Ready-made garments
    34 : 23 Clothing material & tailoring
    83 : 24 Footwear
    43 : 25 Household-use textiles, etc.
  1088 : 26 Housing related expenses
   186 : 27 Medical treatment expenses (male)
   230 : 28 Medical treatment expenses (female)
   334 : 29 Educatonal expenses (male)
   291 : 30 Educational expenses (female)
   419 : 31 Remittances, ceremonies, gift, etc.
    43 : 32 Recreation & leisure, etc.
    70 : 33 Taxes, interest, fines, etc.
    38 : 34 Cooking equipent
    74 : 35 Furniture & related paraphernalia
    99 : 36 Personal articles
    29 : 37 Misc. household durable
    26 : 38 Insurance expenditure
   378 : dg Durable goods


# Monthly total expenditure and food expenditure in taka
> exp$ttexp<-rowSums(exp[,3:41])
> exp$food<-rowSums(exp[,3:19])
> head(exp)
    hhid     wgt   g1  g2   g3 g4  g5  g6  g7 g8  g9 g10 g11 g12 g13 g14 g15
1 001006 2507.01 7580 258  370  0   0 896 280  0 448   0  94 280   0   0   0
2 001036 2507.01 1732   0  212  0 300 372   0  0 296   0   0   0   0  30 168
3 001054 2507.01 2704 169 1290  0 480 456   0  0 358  52  12  60   0  32   0
4 001061 2507.01 1407   0  620  0   0 438   0  0 318  12  20  30   0  12  72
5 001062 2507.01  820  40  500  0 160 184   0  0 276   0   0  50   0   0  48
6 001065 2507.01 1356   0  390  0   0 338   0  0 323   0   0   0   0  76 174
   g16 g17 g18 g19 g20 g21 g22 g23 g24 g25 g26 g27 g28 g29 g30 g31 g32 g33
1 1036 234 423 220  75 350 638  50 125   0 500 130  33   0 128  58   0   0
2  564   0 355 230  44 240 196   0  29   0 300  75  92   0   0   0   5   0
3  432 248 388 130  65 360 438  25 104   0 525  33  58 729   0  17   5   0
4  488 296 329 155  53  60 352  46  65   0 242  25 983   0  42  12   0   0
5  296   0 306 130  70 300 183  46  21   0 383  17  21   0   0   4   0   0
6  368 120 556 180  30 250 162  12  54   0 300 293  25   0   0   0   0   0
  g34 g35 g36 g37 g38  dg ttexp  food
1  38   0   0   0   0 112 14356 11476
2   0   0   0   0   0   0  5240  3674
3  21   0   0   0   0  21  9212  6293
4   0   0   0   0   0  12  6089  3713
5   0   0   0   0   0 271  4126  2374
6   0   0   0   0   0   0  5007  3145
```

- Monthly expenditure per household in taka

```
> round(weighted.mean(exp$ttexp,exp$wgt))
[1] 10986
> round(weighted.mean(exp$food,exp$wgt))
[1] 5476
```

- Monthly expenditure per household

	Total expenditure	Food	
Trial	10.968	5,476	
Report	11,200	6.031	
Gap	-232	-555	

- Generated data frame of trial estimation of income and expenditure

```
> table(inc$hhid==exp$hhid)
 TRUE
12240
> incexp<-cbind(inc,exp[,c(-1,-2)])
> dim(incexp)
[1] 12240    57
> head(incexp)
    hhid region urbanrur     wgt   inc8e    inc4b inc5 inc9d    inc7b inc7c1
1 001006     10        1 2507.01 416.67     0.00    0   500 11003.33 726.67
2 001036     10        1 2507.01   0.00 11718.75    0   300     0.00  35.00
3 001054     10        1 2507.01   0.00  6000.00    0   400     0.00  46.67
4 001061     10        1 2507.01   0.00 20906.67    0   200     0.00  87.50
5 001062     10        1 2507.01   0.00  3250.00    0   300     0.00  50.00
6 001065     10        1 2507.01  83.33 21000.00    0   300     0.00 110.00
  inc7c2 inc7c3    inc7d inc7e inc8c    ttinc   g1  g2   g3 g4  g5  g6  g7 g8
1    800 166.67 -1254.17     0     0 12359.17 7580 258  370  0   0 896 280  0
2      0   0.00    -2.50     0     0 12051.25 1732   0  212  0 300 372   0  0
3      0   0.00     0.00     0     0  6446.67 2704 169 1290  0 480 456   0  0
4      0   0.00    -1.67     0     0 21192.50 1407   0  620  0   0 438   0  0
5      0   0.00    -2.50     0     0  3597.50  820  40  500  0 160 184   0  0
6      0   0.00     0.00     0     0 21493.33 1356   0  390  0   0 338   0  0
   g9 g10 g11 g12 g13 g14 g15  g16 g17 g18 g19 g20 g21 g22 g23 g24 g25 g26
1 448   0  94 280   0   0   0 1036 234 423 220  75 350 638  50 125   0 500
2 296   0   0   0   0  30 168  564   0 355 230  44 240 196   0  29   0 300
3 358  52  12  60   0  32   0  432 248 388 130  65 360 438  25 104   0 525
4 318  12  20  30   0  12  72  488 296 329 155  53  60 352  46  65   0 242
5 276   0   0  50   0   0  48  296   0 306 130  70 300 183  46  21   0 383
6 323   0   0   0   0  76 174  368 120 556 180  30 250 162  12  54   0 300
  g27 g28 g29 g30 g31 g32 g33 g34 g35 g36 g37 g38  dg ttexp  food
1 130  33   0 128  58   0   0  38   0   0   0   0 112 14356 11476
2  75  92   0   0   0   5   0   0   0   0   0   0   0  5240  3674
3  33  58 729   0  17   5   0  21   0   0   0   0  21  9212  6293
4  25 983   0  42  12   0   0   0   0   0   0   0  12  6089  3713
5  17  21   0   0   4   0   0   0   0   0   0   0 271  4126  2374
6 293  25   0   0   0   0   0   0   0   0   0   0   0  5007  3145
```

```
> var<-colnames(incexp)
> var
 [1] "hhid"     "region"   "urbanrur" "wgt"      "inc8e"    "inc4b"
 [7] "inc5"     "inc9d"    "inc7b"    "inc7c1"   "inc7c2"   "inc7c3"
[13] "inc7d"    "inc7e"    "inc8c"    "ttinc"    "g1"       "g2"
[19] "g3"       "g4"       "g5"       "g6"       "g7"       "g8"
[25] "g9"       "g10"      "g11"      "g12"      "g13"      "g14"
[31] "g15"      "g16"      "g17"      "g18"      "g19"      "g20"
[37] "g21"      "g22"      "g23"      "g24"      "g25"      "g26"
[43] "g27"      "g28"      "g29"      "g30"      "g31"      "g32"
[49] "g33"      "g34"      "g35"      "g36"      "g37"      "g38"
[55] "dg"       "ttexp"    "food"

> lbl
 [1] "Other income"      "Wage income"       "Business income"
 [4] "Imputed rent"      "Crop product"      "Livestock product"
 [7] "Fishery product"   "Forestry product"  "Agri cost"
[10] "Earn from rent"    "Renittance"        "Total income"

> label<-c(rep("",4),lbl,exp.item,"Total expenditure","Total food")
> data.frame(variable=var,label=label)
   variable                                    label
1      hhid
2    region
3  urbanrur
4       wgt
5     inc8e                            Other income
6     inc4b                             Wage income
7      inc5                          Business income
8     inc9d                             Imputed rent
9     inc7b                             Crop product
10   inc7c1                         Livestock product
11   inc7c2                           Fishery product
12   inc7c3                          Forestry product
13    inc7d                                 Agri cost
14    inc7e                              Earn from rent
15    inc8c                                  Renittance
16    ttinc                              Total income
17       g1                             1 Food grains
18       g2                                  2 Pulses
19       g3                                    3 Fish
20       g4                                    4 Eggs
21       g5                                    5 Meat
22       g6                                6 Vegetables
23       g7                             7 Milk & Daily
24       g8                                8 Sweetmeat
25       g9                             9 Oil & Fats
26      g10                                   10 Fruits
27      g11                                   11 Drinks
28      g12                        12 Sugar & molasses
```

29	g13	13 Miscellaneous Food
30	g14	14 Dining out
31	g15	15 Tobacco & tobacco produts
32	g16	16 Spices
33	g17	17 Betel leaf & Chewgoods
34	g18	18 Fuel & lighting
35	g19	19 Cosmetics & other expenses
36	g20	20 Washing & cleaning expenses
37	g21	21 Transport/travel & other misc. charges
38	g22	22 Ready-made garments
39	g23	23 Clothing material & tailoring
40	g24	24 Footwear
41	g25	25 Household-use textiles, etc.
42	g26	26 Housing related expenses
43	g27	27 Medical treatment expenses (male)
44	g28	28 Medical treatment expenses (female)
45	g29	29 Educatonal expenses (male)
46	g30	30 Educational expenses (female)
47	g31	31 Remittances, ceremonies, gift, etc.
48	g32	32 Recreation & leisure, etc.
49	g33	33 Taxes, interest, fines, etc.
50	g34	34 Cooking equipent
51	g35	35 Furniture & related paraphernalia
52	g36	36 Personal articles
53	g37	37 Misc. household durable
54	g38	38 Insurance expenditure
55	dg	dg Durable goods
56	ttexp	Total expenditure
57	food	Total food

8. Micro data to be provided

Strategy

1. Resampling

The data files; rt001 to rt020 which were provided by NSO, and trial estimation of incexp will be resampled as follows;

1.1 To append household identifier hhid to all data files.

1.2 To append personal identifier pid to rt002 and rt003.

1.3 To delete person name variables; s01a_q01 in rt002 and s08c_q03 in rt013.

1.4 To select 80% of hhid by systematic sampling method.

1.5 To select records which hhid belongs to the above selected hhid from the data files.

2. The weight wgt in rt001 and incexp will be adjusted by dividing by 0.8.

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

Set incexp as outfiles[[21]]

```
> outfiles[[21]]<-incexp
```

Original data files excluded personal names

```
> d<-outfiles[[2]]
> d<-d[-5]
> outfiles[[2]]<-d
> dim(outfiles[[2]])
[1] 55580   150

> d<-outfiles[[13]]
> d<-d[-4]
> outfiles[[13]]<-d
> dim(outfiles[[13]])
[1] 2100   21
```

Resampling

```
# Selected 80% of hhid
> hhid<-outfiles[[1]]$hhid
> length(hhid)
[1] 12240
> Int<-5
> (St<-sample(1:5,1))
[1] 2
> hhid.selected<-hhid[(1:length(hhid))%%Int!=(St-1)]
> length(hhid.selected)/length(hhid)
[1] 0.8
> hhid.selected<-hhid.selected[order(hhid.selected)]
> head(hhid.selected)
[1] "001036" "001054" "001061" "001062" "001066" "001070"

# Resampled at the rate of 80%
# outfiles[[1]] to outfiles[[21]]

> Rnames<-c(Rnames,"incexp")
> Rnames.80<-paste(Rnames,".80",sep="")
> Rnames.80
 [1] "rt001.80"  "rt002.80"  "rt003.80"  "rt004.80"  "rt005.80"  "rt006.80"
 [7] "rt007.80"  "rt008.80"  "rt009.80"  "rt010.80"  "rt011.80"  "rt012.80"
[13] "rt013.80"  "rt014.80"  "rt015.80"  "rt016.80"  "rt017.80"  "rt018.80"
[19] "rt019.80"  "rt020.80"  "incexp.80"

> outfiles.80<-list()
> for(j in 1:21){
+ d<-outfiles[[j]]
+ outfiles.80[[j]]<-subset(d,is.element(d$hhid,hhid.selected))
+ }
> length(outfiles.80)
[1] 21

> for(j in 1:21){
+ cat(format(Rnames.80[j],width=10),": ",
```

```
+ format(nrow(outfiles.80[[j]]),width=6),",",
+ format(ncol(outfiles.80[[j]]),width=3),"¥n")
+ }

rt001.80   :    9792 , 152
rt002.80   :   44306 , 150
rt003.80   :   14400 ,  30
rt004.80   :    2758 ,  36
rt005.80   :  176002 ,  14
rt006.80   :  149553 ,  20
rt007.80   :   64236 ,  12
rt008.80   :   57774 ,  10
rt009.80   :   20217 ,  10
rt010.80   :   36357 ,   8
rt011.80   :  198280 ,   8
rt012.80   :  182824 ,  12
rt013.80   :    1689 ,  21
rt014.80   :    4112 ,  17
rt015.80   :  350172 ,  63
rt016.80   :  159864 ,  14
rt017.80   :  290025 ,   8
rt018.80   :  228131 ,   7
rt019.80   :  663824 ,   6
rt020.80   :  273404 ,   9
incexp.80  :    9792 ,  57


# Adjusted weight of rt001 and incexp, and generated WT variable
> d<-outfiles.80[[1]]
> d$WT<-d$wgt/0.8
> outfiles.80[[1]]<-d
> sum(d$WT)
[1] 33028014
> sum(outfiles[[1]]$wgt)
[1] 33028014
```

```
> d<-outfiles.80[[21]]
> d$WT<-d$wgt/0.8
> outfiles.80[[21]]<-d
> sum(outfiles[[1]]$wgt)
[1] 33028014

> save(outfiles.80,file="Resampled_80%.RData")

# Converted to CSV
> CSVnames<-gsub("¥¥.","_",Rnames.80)
> CSVnames<-paste(CSVnames,".csv",sep="")
> CSVnames
[1] "rt001_80.csv"  "rt002_80.csv"  "rt003_80.csv"  "rt004_80.csv"
 [5] "rt005_80.csv"  "rt006_80.csv"  "rt007_80.csv"  "rt008_80.csv"
 [9] "rt009_80.csv"  "rt010_80.csv"  "rt011_80.csv"  "rt012_80.csv"
[13] "rt013_80.csv"  "rt014_80.csv"  "rt015_80.csv"  "rt016_80.csv"
[17] "rt017_80.csv"  "rt018_80.csv"  "rt019_80.csv"  "rt020_80.csv"
[21] "incexp_80.csv"

> for(j in 1:21){
+ 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] "rt001_80.csv"  "rt002_80.csv"  "rt003_80.csv"  "rt004_80.csv"
 [5] "rt005_80.csv"  "rt006_80.csv"  "rt007_80.csv"  "rt008_80.csv"
 [9] "rt009_80.csv"  "rt010_80.csv"  "rt011_80.csv"  "rt012_80.csv"
[13] "rt013_80.csv"  "rt014_80.csv"  "rt015_80.csv"  "rt016_80.csv"
[17] "rt017_80.csv"  "rt018_80.csv"  "rt019_80.csv"  "rt020_80.csv"
[21] "incexp_80.csv"
```

Attachments

1. The questionnaire

2. Data dictionary
   (1) rt001 to rt020: Refer to “4.2 Generated list of variable names in each data frame”.

   (2) incexp: trial estimation of household-level income and expenditure by the author.

GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

Bangladesh Bureau of Statistics

Household Income-Expenditure Survey, 2009-12 Project

Parishankhan Bhaban, E-27/A, Agargaon, Sher-E-Bangla Nagar

HOUSEHOLD INCOME AND EXPENDITURE SURVEY-2010

(Write all number in English)

PSU serial number			Team number		Term		Household number		

Geographic Codes

AREA	CODE	NAME
Region		
District		
Thana/ Upazilla		
Union/ Ward		
Mouza/ Mohalla		
Rural/ PSA/ SMA		

Female facilitator		
Interviewer		
Supervisor		

T A B L E O F C O N T E N T S

SECTION 1: HOUSEHOLD INFORMATION ROSTER ***PART A: HOUSEHOLD INFORMATION (all members listed in the roster)***

Respondent ID Code	ID CODE as in Roster	2 Sex 1 Male 2 Female	3 Relationship of members with the head of the household 01 Head 02 Husband/ wife 03 Son/Daughter 04 Spouse of Son/Daughter 05 Grandchild 06 Father/Mother 07 Brother/Sister 08 Niece/Nephew 09 Father/Mother-in- law 10 Brother/Sister-in-law 11 Other relative, specify 12 Servant 13 Employee 14 Other, specify	4 Age **WRITE AGE IN FULL YEARS** **WRITE "00" FOR LESS THAN 1 (one) YEAR**	5 Religion 1 Islam 2 Hinduism 3 Buddhism 4 Christianity 5 Other (specify)	6 Marital status 1 Currently Married 2 Never Married 3 Widowed 4 Divorced 5 Separated	7 Earner 1 Yes 2 No	8 SPOUSE PLEASE WRITE THE ID CODE. IF NOT EXIST IN ROSTER, WRITE '99'. ID Code	9 FATHER ID Code	10 MOTHER ID Code	11 Whether (name) was abroad more than 6 months during last 5 years 1 Yes 2 No **>> Next person**	12 Why did (name) return to the household from abroad? 1 Lose job 2 Due to illness 3 End of employment contract 4 Disagreement with authorities 5 Homesick 6 Due to Economic Recession 7 Other (specify)
	01											
	02											
	03											
	04											
	05											
	06											
	07											
	08											
	09											
	10											
	11											
	12											
	13											
	14											
	15											

SECTION 1: HOUSEHOLD INFORMATION ROSTER ***PART B: EMPLOYMENT INFORMATION (ALL PERSONS 5 YEARS AND OLDER)***

ID CODE as in Roster	1 Did you work for livelihood during the past 7 days? 1 Yes **>>Next person** 2 No	2 Were you available for work during the past 7 days? 1 Yes 2 No >>Q4	3 Did you looking for work during the past 7 days? 1 Yes **>>Next person** 2 No	4 Why were you not available/ did you not looking for work? 01 Engaged in domestic work 02 Housewife 03 Student 04 Too old/ retired 05 Too young 06 Temporarily sick 07 Disabled 08 Waiting to start new job 09 No work available 10 On leave/looking for job/business 11 Other (Specify)
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				

SECTION 1: HOUSEHOLD INFORMATION ROSTER — PART C: SOCIAL SAFETY NETS PROGRAMME (ALL PERSONS 5 YEARS & OLDER)

151

Respondent ID	ID CODE as in Roster	1 Has (name) included of any social safety nets programme in the last 12 months? 1 Yes 2 No >>Question 7	2 If Yes, What was the main program in which (name) has Included in the last 12 (Programme Code)	3 When did (name) enlist in this programme? MONTH	YEAR	4 How much was (name) entitled to receive in cash/in kinds? 1 Rice 2 Maize 3 Wheat 4 Powder Milk 5 Clothing 6 Other (specify) TAKA	NAME OF GOODS (CODE)	KG	5 How much was (name) actually receive in cash/in kinds? 1 Rice 2 Maize 3 Wheat 4 Powder Milk 5 Clothing 6 Other, specify TAKA	NAME OF GOODS (CODE)	KG	6 How much did [name] spend to be included the programme? Taka	7 What was the cause for not included (Code)
	01												
	02												
	03												
	04												
	05												
	06												
	07												
	08												
	09												
	10												
	11												
	12												
	13												
	14												
	15												

Code for Name of Program

1-Old age Allowance (MOSW)
2-Allowance for the Widowed, Deserted and Destitute
3-Allowance for the Financiallly Insolvent Disabled
4-Maternity allowance Program for the Poor Lactating
5-Honorarium for Insolvent Freedon Fighters (MOFWA)
6-Honorarium for Injured Freedom Fighters
7-Gratuitous Relief (Cash)
8-General Relief Activities
9-Allowances for distressed cultural personalities/Activitists
10-Allowance for beneficiaries in ctg. Hill tract area
11-Stipend for Disabled Students (MOSW)
12-Grants for the schools for the Disabled (MOSW)
13-Cash for Work (MOFDM)
14-Housing Support
15-Agriculture Rehabilitation (MOA)
16-Subsidy for open market sales (OMS)
17-Vulnerable group development (VGD) (MOWCA)
18-Vulnerable group feeding (VGF) (MOFDM)
19-Test Relief (TR) Food (MOFDM)
20-Gratuitious Relief
21-Food for work (FFW)
22-Employment Generation for Hard-core Poor or 100 days
23-Stipened for Primary Students (MOPMED)
24-School Feeding Programme (MOPMED)
25-Stipend for drop out students
26-Stipened for Secondary and Higher Secondary/Female Student
27-Maternal Health Voucher Allowance
28-Rural Employment opportunities for protection of public
29-Char livelihood
30-Rural Employment, Social forestration and Rural Maintenance Program (LGD)

Code for Question-7

1. Didn't Know about the programme
2. Not fit for that programme
3. Fit for the programme but not apply
4. Due to shortness of budget
5. Selection was not proper
6. Not, any programme is this area

SECTION 2: EDUCATION ***PART A: LITERACY AND EDUCATION ATTAINMENT (ALL PERSONS 5 YEARS AND OLDER)***

Respondent ID code	ID CODE as in Roster	3 Can you read a letter? 1 Yes 2 No >>Next Person	4 Can you write a letter? 1 Yes 2 No >>Next Person	5 What was the highest class that you completed? 00 No class passed 01 Class 1 02 Class 2 03 Class 3 04 Class 4 05 Class 5 06 Class 6 07 Class 7 08 Class 8 09 Class 9 10 SSC/equivalent 11 HSC/equivalent 12 Graduate/equivalent 13 Post graduate/ equivalent 14 Medical 15 Engineering 16 Vocational 17 Technical Education 18 Nursing 19 Other (Specify)	6 Where did you do last study / are you currently studying? 1 Formal School 2 Formal College 3 Formal University 4 Madrasha 5 Taught by family >>Next Person 6 Govt. informal literacy programme >>Next Person 7 NGO literacy course >>Next Person 8 Other (specify) >>Next Person	7 What type of school/ institution did you last attended/ are you currently attending? 1 Government 2 Private (Govt. grants) 3 Private (Not govt. grants) 4 NGO run institution 5 Madrasa (Govt. affiliated) 6 Madrasa (Kowmi)
	01					
	02					
	03					
	04					
	05					
	06					
	07					
	08					
	09					
	10					
	11					
	12					
	13					
	14					
	15					

SECTION 2: EDUCATION

PART B: CURRENT ENROLLMENT (ALL PERSONS 5 YEARS AND OLDER)

Respondent ID CODE	ID CODE as in Roster	1 Are you currently attending school/ educational institution? 1 Yes 2 No >> Next person	2 What class are you currently attending? 00 Nursery/Kindergarten; 01 Class 1; 02 Class 2; 03 Class 3; 04 Class 4; 05 Class 5; 06 Class 6; 07 Class 7; 08 Class 8; 09 Class 9; 10 Class 10/ equivalent; 11 HSC/equivalent; 12 Graduate/equivalent; 13 Post graduate/ equivalent; 14 Medical; 15 Engineering; 16 Vocational; 17 Technical Education; 18 Nursing; 19 Other, specify	ASK ONLY PRIMARY STUDENTS: 3 Are you receiving a stipend for primary education? 1 Yes 2 No >>Q8	ASK ONLY PRIMARY STUDENTS: 4 If Yes, How much did you receive in total in the past 12 months? TAKA	ASK ONLY SECONDARY/HIGHER SECONDARY STUDENTS: 5 Are you receiving stipend in secondary/Higher secondary level? 1 Yes 2 No >>Q8	ASK ONLY SECONDARY/HIGHER SECONDARY STUDENTS: 6 How much did you receive in total from this stipend in the past 12 months? TAKA	ASK ONLY SECONDARY/HIGHER SECONDARY STUDENTS: 7 Do you benefit from the tuition waiver? 1 Yes 2 No
01								
02								
03								
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								

SECTION 2: EDUCATION *PART B: CURRENT ENROLLMENT (ALL PERSONS 5 YEARS AND OLDER)*

ID CODE as in Roster	EXPENDITURE DURING THE PAST 12 MONTHS FOR EDUCATION															
	8 How much did your household spend during the past 12 months on your schooling? **WRITE THE EXPENSES IN TAKA** **IF NOTHING WAS SPENT, WRITE "0" (ZERO)** **IF UNKNOWN, LEAVE BLANK**															
	A Admission fees	B Annual/ session fees	C Registration fees	D Examination fees	E Tuition fees	F Text books, note book	G Exercise books, stationary	H Uniform dress, footwear	I Private tutoring	J Hostel Expenses (incl food)	K Transport cost	L Tiffin cost	M Cost of Internet and e-mail (edu. related)	N Donation (edu. related)	O Other, specify	P Total
01																
02																
03																
04																
05																
06																
07																
08																
09																
10																
11																
12																
13																
14																
15																

SECTION 3: HEALTH

PART A: ILLNESSES AND INJURIES (ALL HOUSEHOLD MEMBERS)

ID code as in Roster	1 Have you suffered from any chronic illness/ disability in the last 12 months? 1 Yes 2 No **>>Q4**	2 What chronic illness/ disability are you suffering from? 01 Chronic Fever 02 Injuries / Disability 03 Chronic Heart Disease 04 Asthma/Breathing trouble 05 Chronic Dysentery 06 Gastric/ ulcer 07 Blood pressure 08 Arthritis/ Rheumatism 09 Eczema 10 Diabetes 11 Cancer 12 Leprosy 13 Paralysis 14 Epilepsy 15 Other (specify)		3 For how long have you had this illness?	
		1	2	YEAR	MONTHS

4 Have you suffered from any symptoms of illness/ injury in the last 30 days? 1 Yes 2 No **>>Next person**	5 What Symptoms/Diseases did you suffer from 01 Diarrhoea 02 Fever 03 Dysentery 04 Pain 05 Injury 06 Blood pressure 07 Heart disease 08 Breathing trouble 09 Weakness 10 Dizziness 11 Pneumonia 12 Typhoid 13 Tuberculosis 14 Malaria 15 Jaundice 16 Female diseases 17 Pregnancy related 18 Cancer 19 Leprosy 20 Paralysis 21 Epilepsy 22 Scabies 23 Kidney Diseases 24 Gall stone Diseases 25 Other, specify			6 Have you sought any type of medical treatment related to your health problems mentioned in question 5 col. 1 1 Yes **>>Q8** 2 No	7 Why not receive any treatment? 01 Quality of healthcare is not good 02 Problem was not serious 03 Treatment cost is too much 04 Distance is too long 05 Afraid of discovering serious illness 06 Afraid to take action 07 Nobody at home to pay any attention / take care of me 08 There was none to accompany 09 It is a hassle to go outside 10 Not able to make own decision about healthcare 11 Didn't know where to go 12 Other, specify **>>Q 17**
	IN ORDER OF IMPORTANCE				
	1	2	3		

SECTION 3: HEALTH ***PART A: ILLNESSES AND INJURIES (ALL HOUSEHOLD MEMBERS)***

ID CODE as in Roster	8 Which of the following were consulted for this illness/ injury (in the order in which they were consulted)? 01 Govt. Health Worker 02 NGO Health Worker 03 Homeopath 04 Ayurved/Kabiraji/ Hekim 05 Other Traditional/ Spiritual/Faith Healer 06 Govt. Doctor (Govt. Facility) 07 Govt. Doctor (Private Facility) 08 Doctor from NG0 Facility 09 Doctor from Private Facility 10 Salesman of a Pharmacy/Dispensary 11 Family treatment 12 Self treatment 13 Other, specify 1st / 2nd	9 How many days after symptoms began did you first consult this health provider? **IF IMMEDIATELY, WRITE "00"** No. of days	10 Where did you get the medicines from? 01 Govt. health centre 02 NGO health facility 03 Private health facility 04 Other facility, specify 05 Pharmacy/dispensary 06 Other shop 07 Not available **>>Q12** 08 Could not afford **>>Q12** 09 Other, specify	11 Did you pay for the medicines? 1 Yes, totally 2 Yes, partially 3 No	12 How did you travel to the provider? 01 Private car 02 Taxi 03 Bus 04 Auto rickshaw 05 Rickshaw 06 Rickshaw van 07 Bullock cart 08 Country boat 09 Engine boat 10 Ambulance 11 Walking 12 Calling doctor at home 13 Other, specify	13 How much time did it take to reach the service provider? HOUR / MINUTES	14 How long did you have to wait at provider to be examined? HOUR / MINUTES
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							

SECTION 3: HEALTH ***PART A: ILLNESSES AND INJURIES (ALL HOUSEHOLD MEMBERS)***

ID CODE as in Roster	15 Why did you choose this provider? 01 Nearby 02 Acceptable cost 03 Availability of doctor 04 Availability of female doctor 05 Availability of equipment 06 Quality of treatment 07 Referred by other provider 08 Referred by relatives/friends 09 Reputation 10 Other, specify	16 In your opinion, did the provider spend enough time with you? 1 Yes 2 No 3 Don't know	17 What was the total cost of treatment during the past 30 days? **WRITE THE VALUE IN TAKA** **IF NOTHING WAS SPENT, WRITE "0" (ZERO)** **IF UNKNOWN, LEAVE BLANK**											18 How did you finance treatment for all illness in the last 30 days? 01 Regular income 02 Household saving 03 Sold personal belonging 04 Sold Livestock 05 Sold Agricultural product/Tree 06 Sold permanent assets 07 Mortgage of Assets/Land 08 Borrowed from Friends/ Relatives/Office 09 Borrowed from Money Lender 10 Assistance from friends & relatives 11 Other Specify (Mention three answers inorder of rank)		
			Consultation fees (visit)	Hospital/ Clinic charges	Cost of Medicines	Cost of Test/ Investigation	Transport cost	Tips	Other charges	Maternity cost			Total Cost	1	2	3
										Clinic	Midwife	Others				
01																
02																
03																
04																
05																
06																
07																
08																
09																
10																
11																
12																
13																
14																
15																

SECTION 3: HEALTH ***PART B: CHILD HEALTH AND IMMUNIZATION (ALL CHILDREN 5 YEARS AND UNDER)***

ID CODE as in Roster	1 In which month and year was ..[NAME OF CHILD].. born? MONTH	YEAR	2 Present Age of the Children MONTH	3 Has ..[name].. ever been immunized? 1 Yes 2 No >> Next Child 3 Don't know >> Next Child	4 Do you have an immunization card for ..(name)? ASK TO SEE CARDS FOR ALL CHILDREN FOR WHOM CARDS ARE AVAILABLE 1 Yes, card available 2 No, or card not available	5 If immunization card is available, collect information from the card. CHECK FROM CARD WHETHER IMMUNIZATION HAS TAKEN PLACE IF NO CARD, ASK RESPONDENT ABOUT IMMUNIZATIONS. BCG Yes-1 No-2	DPT1 Yes-1 No-2	DPT2 Yes-1 No-2	DPT3 Yes-1 No-2	Polio1 Yes-1 No-2	Polio2 Yes-1 No-2	Polio3 Yes-1 No-2	Measles Yes-1 No-2	Hepatitis Yes-1 No-2	6 Where was the most recent immunization given? 01 Satellite Clinic 02 Union health & Family welfare center 03 Thana health complex 04 District hospital 05 NGO health center 06 Private clinic/Hospital/Doctor 07 Other, specify ***At home, by:*** 08 Govt. health worker 09 NGO health worker	7 Who influenced you to immunize your children? 01 Self 02 Friends/Relatives 03 EPI program staff 04 Govt. health worker 05 NGO health worker 06 Private practitioner 07 Radio 08 Television 09 Union sub-center 10 Thana health complex 11 Hospital	8 Did (name) receive a Vitamin-A Capsules in last 12 months? Yes-1 No-2
01																	
02																	
03																	
04																	
05																	
06																	
07																	
08																	
09																	
10																	
11																	
12																	
13																	
14																	
15																	

SECTION 3: HEALTH ***PART C: PRE-AND POST-NATAL CARE (ALL EVER MARRIED WOMEN)***

ID CODE as in Roster	1 Have you ever given birth? 1 Yes 2 No>> Next married women	2 In which year did you give birth to your last child? YEAR	3 When pregnant with your last child, did you attend prenatal consultations at a health care Centre/Doctor? 1 Yes 2 No **>>Q7**	4 Where did you first receive this care? 01 Satellite Clinic 02 Union health & Family welfare center 03 Thana health complex 04 District hospital 05 NGO health center 06 Med. College hospital 07 Private clinic/Hospital/Doctor 08 Other, specify	5 At which month of pregnancy did you go for your first visit? MONTH	6 Did you receive a tetanus vaccine at this time? 1 Yes 2 No	7 Who assisted you with this birth? 01 At home member/relative 02 Neighbor 03 Midwife(trained) 04 Midwife(untrained) 05 Nurse 06 Doctor 07 Other, specify	8 Where did you give birth? 01 At Home 02 Satellite Clinic 03 Union health & Family welfare center 04 Thana health complex 05 District hospital 06 NGO health center 07 Med. College hospital 08 Private clinic/Hospital/Doctor 09 Other, specify	9 After the birth, did you visit a health care facility within 6 weeks of delivery for post -natal checkup? 1 Yes 2 No>> Next Married Women	10 Where did you go for this checkup? 01 At Home 02 Satellite Clinic 03 Union health & family welfare center 04 Thana health complex 05 District hospital 06 NGO health center 07 Med. College hospital 08 Private clinic/Hospital/Doctor 09 Other, specify
01										
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										

SECTION 3: HEALTH ***PART D: DISABILITY (ALL HOUSEHOLD MEMBERS)***

ID CODE as in Roster	2 Does (name) have difficulty for seeing, even if he/she is wearing glasses? If Answer code is 1>>Q5	3 How old was (name) when the difficulty began? (By born write "00") (Age in years)	4 What was the cause? (Code)	5 Does (name) have difficulty hearing, even if he/she is wearing a hearing aid? If Answer code is 1>>Q8	6 How old was (name) when the difficulty began? (By born write "00") (Age in years)	7 What was the cause? (Code)	8 Does (name) have difficulty for walking or climbing steps? If Answer code is 1>>Q11	9 How old was (name) when the difficulty began? (By born write "00") (Age in years)	10 What was the cause? (Code)	11 Does (name) have difficulty remembering or concentrating? If Answer code is 1>>Q14	12 How old was (name) when the difficulty began? (By born write "00") (Age in years)	13 What was the cause? (Code)	14 Does (name) have difficulty (with self care such as) washing all over or dressing, feeding, toileting etc? If Answer code is 1>>Q17	15 How old was (name) when the difficulty began? (By born write "00") (Age in years)	16 What was the cause? (Code)	17 Does (name) have difficulty communicating; for example understanding or being understood? if Answer code is 1>>Q20	18 How old was (name) when the difficulty began? (By born write "00") (Age in years)	19 What was the cause? (Code)	20 FOR CODES 2-4 IN COLUMN 2, 5, 8, 11, 14, 17: Does this difficulty reduce the amount of work [NAME] can do at home, at work or at school? Yes-1, No-2			21 REHABILITATION During the past 12 months, what measures are taken to improve (name)'s performance of activities? (Code)
																			At Home	At School	At Work	
01																						
02																						
03																						
04																						
05																						
06																						
07																						
08																						
09																						
10																						
11																						
12																						
13																						
14																						
15																						

Code of Question Answer: 2,5,8,11,14 and 17

1-No Difficulty
2-Yes, Some Difficulty
3-Yes, Severe Difficulty
4-Yes, Can't see/hear/ walk/remember/selfcare/communicate at all

CODES FOR 4, 7, 10, 13,16, 19

1 From birth
2 Accident
3 Illness
4 Old Age
5 Malpractice
6 Other, specify

CODES FOR 21

01	None	09	Spiritual/traditional healer
02	Surgical operation	10	Other, specify
03	Medication		
04	Assistive devices (glasses, wheelchair, braces, hearing aid, artificial limbs, stick, etc)		
05	Special education		
06	Skills training (vocational)		
07	Activity of Daily Living (ADL) training		
08	Counseling		

SECTION 4: ECONOMIC ACTIVITIES SELF AND WAGE EMPLOYMENT

PART A: ACTIVITIES (ALL PERSONS 5 YEARS AND OLDER)

ACTIVITY SERIAL	ID code as in Roster	1 What economic activities did (name) do in the past 12 months? Beside this, **What other activities did you do?** Activities: Service/Wage employment/All activities(agric/non-agric) conducted under self or joint ownerships. — DESCRIPTION OF ACTIVITY	OCCUPATION CODE	INDUSTRY CODE	2 How many months did you do this activity in the last 12 months? — MONTH	3 On average, how many days per month? — DAYS/ MONTH	4 On average how many hours per day? — HOURS/ DAY	5 Where did you do this activity? Was it rural or urban area? 1 Rural 2 Urban **WRITE DISTRICT CODE FROM CODE LIST** — R/U	DISTRICT CODE	6 What was major field of economic activities you engaged in? 1 Agriculture 2 Non Agriculture **>>Q8**	7 If you were engaged in agricultural sector, what was your employment status? 1 Day labourer **>>Part-B** 2 Self employed **>> Section-7** 3 Employer **>>Section-7** 4 Employee **>>Part-B**	8 If you were engaged in non agriculture sector, what was your work status? 1 Day labourer **>>Part-B** 2 Self employed **>>Section-5** 3 Employer **>>Section-5** 4 Employee **>> Part-B**
A												
B												
C												
D												
E												
F												
G												
H												
I												
J												
K												
L												
M												
N												
O												
P												
Q												
R												
S												

SECTION 4: ECONOMIC ACTIVITIES AND WAGE EMPLOYMENT

PART B: WAGE EMPLOYMENT

ACTIVITY SERIAL	ID CODE as in Roster	1 Were you paid on a daily basis? 1 Yes 2 No >>Q6	DAILY WAGE: 2 What was the daily wage in cash in the past 12 months? Highest	Lowest	Average	3 Did you receive payments in-kind? 1 Yes 2 No >>Next Activity/ Next person	4 What type of in-kind payment did you receive? 1 Paddy 2 Rice 3 Wheat 4 Meal 5 Other	5 How much did you receive per day? WRITE THE QUANTITY IN KG AND THE TOTAL VALUE IN TAKA. QUANTITY KG	VALUE TAKA	SALARIED WAGE: 6 What type of org. do/ did you work for? 1 Govt. organization 2 Autonomous body 3 Private office 4 Public mill/ factory 5 Private mill/ factory 6 Local govt 7 NGO 8 Household 9 Other, specify	7 What is your gross remuneration per month? TAKA	8 What is your total net take-home monthly remuneration after all deduction at source? TAKA	9 What is the total value of in-kind or other benefits you received over the past 12 months (tips, bonuses or transport) for this job? >> Next Activity/ Next Person TAKA
			1	2	3								
A													
B													
C													
D													
E													
F													
G													
H													
I													
J													
K													
L													
M													
N													
O													
P													
Q													
R													
S													

SECTION 5: NON-AGRICULTURAL ENTERPRISES

ENTERPRISE NUMBER	1 What kind of enterprise did/ do your household solely or jointly own and operate in the past 12 months? **CROSS CHECK ACTIVITIES REPORTED IN SECTION 4 PART A** **WRITE DESCRIPTION IN FULL** DESCRIPTION OF ACTIVTITY	INDUSTRY CODE	2 Which people in the household work in this enterprise/ activity? **WRITE ID CODE FROM ROSTER** ID CODE	3 For how long has this enterprise/ activity been operating? YEAR	MONTH	4 Where do you operate the enterprise/ activity? 1 Own house 2 Rented house 3 Govt land/house 4 Fixed location outside house 5 Variable location	5 How many months did the enterprise / activity operate in the past 12 months? MONTHS	6 What is the household's share of this enterprise/ activity? PERCENTAGE	7 What share of profit is owned by household? PERCENTAGE	8 Who are your customers? 1 Households/ Individuals 2 Govt. or other public firm 3 Private enterprises 4 Foreign individual /organization 5 Others, specify **WRITE IN ACCORDING TO IMPORTANCE** 1st	2nd	9 Is the enterprise/ activity registered by the govt. or local govt.? 1 Yes 2 No 3 Not applicable	10 What was your main source of finance for setting up the business? 01 Inherited/ through gift 02 Own savings 03 Borrowing from relatives/ friends 04 Agricultural dev. bank 05 Commercial bank 06 Grameen bank 07 Other financial Inst. 08 NGO/ Relief agency 09 Sale of assets 10 Supplyer's credit 11 Other, specify 1st	2nd
1														
2														
3														
4														
5														

SECTION 5: NON-AGRICULTURAL ENTERPRISES

ENTERPRISE NUMBER	11 How many employees were engaged in the past 12 months?	12 What problems, if any, have you had in running your business in the last 12 months? 01 No problem 02 Inadequate capital or credit 03 Inadequate tech. knowledge 04 Lack of required no. of expertise 05 High-cost of running ent. 06 Water supply problem 07 Power supply problem 08 Problems with equipment/ spare parts 09 Government regulations 10 Lack of raw materials 11 Lack of customers 12 Transport problems 13 Other, specify		**INCOME FROM THE ENTERPRISE** [WRITE THE VALUE IN TAKA] 13 Gross revenues over the past 12 months	14 Expenditures on wages in the last 12 months **BOTH CASH AND IN KIND**	15 Expenditure on rent in the past 12 months	16 Expenditure on raw materials in the past 12 months	17 Expenditure on Fuel, Kerosene, Electricity, etc. in the past 12 months	18 Expenditure on finished goods purchased for reselling in the past 12 months	19 Other operating expenses in the past 12 months	20 Net revenues **[13-(14+15+16 17+18+19)]**	21 Expenditure on capital goods in past 12 months	22 Sales of assets in past 12 months	23 If someone wanted to buy this enterprise today, how much would he have to pay?
	NUMBER	1	2	TAKA	TAKA	TAKA	TAKA	TAKA	TAKA	TAKA	TAKA	TAKA	TAKA	TAKA
1														
2														
3														
4														
5														

SECTION 6: HOUSING **PART-A: HOUSING INFORMATION**

RESPONDENT SHOULD BE HOUSEHOLD HEAD OR OTHER RESPONSIBLE HOUSEHOLD MEMBER

1 ID code of the respondent

2 How many rooms does your household occupy?
(Excluding rooms for business) Number of rooms:

3 Does your dwelling posses a separate dining room?
1 Yes 2 No

4 Does your dwelling posses a separate kitchen?
1 Yes 2 No

5 What is the construction material of the walls of the main room?
1 Brick/cement 4 Hemp/hay/bamboo
2 C.I. Sheet/wood 5 Other, specify
3 Mud brick

6 What is the construction material of the roof of the main room?
1 Brick/cement 4 Hemp/hay/bamboo
2 C.I. Sheet/wood 5 Other, specify
3 Tile/wood

7 What is the total usable space/area of covered rooms SQ FT

8 What type of latrine does the household use?
1 Sanitary 4 Kacha latrine (perm)
2 Pacca latrine (water seal) 5 Kacha latrine (temp)
3 Pacca latrine (pit) 6 Other, specify

9 What is the main source of drinking water?
1 Supply water 4 Well
2 Tubewell 5 Waterfall/string
3 Pond/river 6 Other, specify

10 Has your Tubewell been tested for arsenic?
1 Yes 2 No **>>Q13**

11 Was arsenic found?
1 Yes 2 No

12 What is the alternative source of drinking water?
1 Supply water 4 Well
2 Tubewell 5 Waterfall/string
3 Pond/river 6 Other, specify

13 What is the main source of water for other use?
1 Supply water 4 Well
2 Tubewell 5 Waterfall/string
3 Pond/river 6 Other, specify

14 Does the household have an electricity connection?
1 Yes 2 No **>>Q16**

15 How many hours in a day normally have electricity in your house? hrs.

16 Does this household own a mobile phone?
1 Yes 2 No

17 Does the household have a landline telephone connection?
1 Yes 2 No

18 Does your household own a computer?
1 Yes 2 No

19 Does this household have access to internet/e-mail facilities?
1 Yes 2 No **>>Q21**

20 How does your household most often access the internet?
1 Mobile phone 4 Community information Center
2 Home computer 5 Other, specify
3 Cybercafe

21 What is your present occupancy status?
1 Owner 4 Provided free by relatives/employer
2 Renter 5 Government residence
3 Squatter 6 Other, specify

22 If you want to buy or construct a dwelling just like this today, how much money would you have to pay? TAKA

SECTION 6: HOUSING PART-B: SHOCKS AND COPING

Code	1 Description of distress events	2 Did you experience [shock] during the past 12 months? 1-Yes>>Q3 2-No **>> Next shock**	3 When did the shock first occur? 1-Jan 7-Jul 2-Feb 8-Aug 3-Mar 9-Sep 4-Apr 10-Oct 5-May 11-Nov 6-Jun 12-Dec	4 How long did the shock last? (If Shocks continued till now write "99") NUMBER OF DAYS	5 As a result of the [SHOCK], was there a decline in your households: Income 1 Yes 2 No	Assets 1 Yes 2 No	Food Production 1 Yes 2 No	Food purchased 1 Yes 2 No	6 How did your household cope with this [shock]? Up to three answers with rank for each shock experienced, use code below: 1st CODE	2nd CODE	3rd CODE
101	Drought / Irregular rains										
102	Floods										
103	Landslides/ Erosion										
104	Unusually High Level of Crop Pests and Disease										
105	Unusually High Level of Livestock Disease										
106	Unusually High Prices of Agricultural Inputs										
107	Unusually Low Prices of Agricultural Output										
108	Reduction in the Earnings of currently (Off-Farm) Employed Household Member(s)										
109	Loss of Employment of Previously Employed Household member(s) (not due to illness/accident)										
110	Serious Illness or Accident of income Earner(s)										
111	Serious Illness or Accident of other HH Member(s)										
112	Death of Income Earner(s)										
113	Death of other HH Member(s)										
114	Theft of Money/Valuables/Non Agricultural Assets										
115	Theft of Agricultural Assets/Output(Crop or Livestock)										
116	Conflict/Violence										
117	Fire/Tornedo/Earthquake, etc										
118	Other (Specify)										

CODES FOR Q6 - COPING STRATEGIES

01 Unconditional help provided by relatives/friends
02 Unconditional help provided by local government
03 Change dietary patterns involuntarily
04 Change cropping practices (crop choices or technology)
05 Household member(s) took on more non-farm (wage or self employment)
06 Household members took on more farm ways employment
07 Household members migrated
08 Relied on savings
09 Obtained credit
10 Sold durable household assets
11 Sold land or building
12 Rented out land/building
13 Distress sales of animal stock
14 Send children to live elsewhere
15 Reduce expenditure on health and education
16 Other, specify

SECTION 7: AGRICULTURE *PART A: LANDHOLDING*

WRITE '0' IF NONE.

		Acres	Decimal
1	Total cultivable agricultural land owned:		
2	Total dwelling-house/Homested land owned:		
3	Total Non-cultivated Land		
4	Total cultivable agricultural land rented/ share-cropped/ mortgaged in:		
5	Total cultivable agricultural land rented/ share-cropped/ mortgaged out:		
6	Total operating land (1+2+3+4-5)		

SECTION 7: AGRICULTURE ***PART B: CROP PRODUCTION***

1 Did you or anyone in your household cultivate any following crops in the last 12 months? 1 Yes 2 No **>> Other Crop part B**		2 Did you cultivate (crop) in the last 12 months? 1 Yes 2 No **>>Next Crop**	3 How much land did you cultivate under this crop in the last 12 months?		4 How much in total of crop did you produce in the last 12 months? **PRODUCED (IN KG) AND THE UNIT PRICE (IN TK)**		5 How much did your household consumed in the last 12 months?	6 How much did your household sell in the last 12 months?	7 How much did your household stock in the last 12 months?	8 How much of it was used for the following purposes in the last 12 months? **WRITE TOTAL QUANTITY USED (IN KG)**						
										Given to landlord	Given for Wages	Used as Seed	Feed for animals	Waste	Other	Total
Crop/by product	Code		Acres	Decimal	kg	Taka/kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg
Aus	01															
Aman	02															
Boro	03															
Wheat	04															
Maize	05															
Jute	06															
Sugarcane	07															
Pulses	08															
Oil Seed	09															
By Product																
By product of paddy	10															
By product of wheat	11															
By product of jute	12															
By product of sugarcane	13															

SECTION 7: AGRICULTURE *PART B: CROP PRODUCTION*

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Other Crops: Write the name of the other crops Cultivated by the household

Did you or any one in your household member cultivate any crop in the last 12 months?		2 Did you cultivate (crop) in the last 12 months? 1=Yes, 2=No>> **Next crop**	3 How much land did you cultivate under this crop in the last 12 months?		4 How much in total of crop did you produce in the last 12 months?		5 How much did your household consume in the last 12 months?	6. How much did your household sell in the last 12 months?	7 How much did your household stock in the last 12 months?	8 How much of it was used for the following purposes in the last 12 months?						
										given in landlord	given for wages	Used as seed	Feed for animals	Waste	Other	Total
Vegetable	**Code**		Acres	Decimal	Kg	Taka/kg	Kg	Kg	Kg							
Potato	15															
Onion	16															
Garlic	17															
Ginger	18															
Turmeric	19															
Tomato	20															
Brinjal	21															
Green Banana/Green Papaya	22															
Cauliflower/Cabbage	23															
Pumpkin	24															
Radish	25															
Green Chili	26															
Bean	27															
Patal	28															
Lady's Finger	29															
Puisak	30															
Others (Code)	31															
Fruits																
Mango	40															
Jackfruit	41															
Ripe Banana	42															
Ripe Papaya	43															
Pineapple	44															
Leechee	45															
Melon/Bangi	46															
Guava	47															
Others (Code)	48															

SECTION 7: AGRICULTURE *PART C: NON-CROP ACTIVITIES (Livestock and poultry)*

1. Did you or anyone in your household raise any livestock or poultry birds in the last 12 months?

   1 Yes

   2 No **>> Q9**

LIVESTOCK AND POULTRY (Do you or any member of your household)									
Name of domestic animals		2 How many ..[NAME OF THE ANIMAL].. own? What is their total value? **IF NONE, WRITE '0'.**		3 How many were born/ your household purchase in the last 12 months? **WRITE TOTAL NO. AND THE TOTAL VALUE IN TAKA**		4 How many died/ did your household sell in the last 12 months? **WRITE TOTAL NO. AND THE TOTAL VALUE IN TAKA**		5 How many did your household consume in the 12 months? **WRITE TOTAL NO. AND THE TOTAL VALUE IN TAKA**	
Animal	Code	Number	Taka	Number	Taka	Number	Taka	Number	Taka
Cattle	201								
Goat	202								
Sheep	203								
Buffalo	204								
Chicken	205								
Duck	206								
Pigeon	207								
Other domestic Birds	208								
Other (specify)	209								
Total value	210								

LIVESTOCK PRODUCTS								
Animal products and by-product			6 How much did you produce in the last 12 months?		7 How much did you sell in the last 12 months? **WRITE TOTAL QUANTITY AND VALUE IN TAKA**		8 How much did you consume in the last 12 months? **WRITE TOTAL QUANTITY AND VALUE IN TAKA**	
Animal product	Code	Unit	Quantity	Taka	Quantity	Taka	Quantity	Taka
Beef	211	Kg						
Chicken	212	Kg						
Mutton	213	Kg						
Milk	214	Lt						
Eggs	215	No						
Animal skins	216	No						
Cow dung	217	Kg						
Other	218							
Total value	220							

SECTION 7: AGRICULTURE *PART C: NON-CROP ACTIVITIES*

9. Did you or anyone in your household engage in any fishing or fish farming in the last 12 months?
   1 Yes
   2 No **>> Q13**

13. Did you or anyone in your household engage in any farm forestry in the last 12 months?
   1 Yes
   2 No **>> Part D**

FISH FARMING AND FISH CAPTURE

Source	Code	10 How much did you produce (catch) in the past 12 months? WRITE TOTAL QUANTITY AND VALUE IN TAKA		11 How much did your household sell in the past 12 months? WRITE TOTAL QUANTITY AND VALUE IN TAKA		12 How much did your household consume in the 12 months? WRITE TOTAL QUANTITY AND VALUE IN TAKA	
		Kg	Taka	kg	Taka	kg	Taka
Fish farm	221						
Fish Hatchery	222						
Marine fishing	223						
Canal/river fishing	224						
Swampland/marsh/fen fishing	225						
Pond/sink fishing	226						
Fish fry, crab frog and Other, specify	227						
Dry fish	229						
Total value	230						

FARM FORESTRY

Forest Product		14 How many trees do you presently own? What is their total value?		15 How much did your household sell in the last 12 months? WRITE THE TOTAL VALUE	16 How much did your household consume in the 12 months? WRITE THE TOTAL VALUE
Tree	Code	No of trees	Taka	Taka	Taka
Bamboo	231				
Timber trees	232				
Fruit trees	233				
Firewood trees	234				
Honey	235				
Sapling/seedling sale	236				
Flower sale	237				
Flower /fruit seed sale	238				
Other, specify	239				
Total value	240				

SECTION 7: AGRICULTURE ***PART D: EXPENSES ON AGRICULTURAL INPUTS***

Expenditure item and code		1 Did your household spend any money on the (item) in last 12 months? 1 Yes 2 No **>> NEXT ITEM**	2 How much did your household spend on the (item) in the last 12 months?	
Items of expenditure	Code		Kg	Taka
Seed seedling (crop seedling)	301			
Seed (forest seedling)	302			
Fertilizer (chemical)	303			
Fertilizer (compose/mix)	304			
Food of livestock/ draft animal	305			
Tractor/ tiller/ power tiller (rental)	306			
Irrigation expenses	307			
Insecticides	308			
Land revenue (agricultural land)	309			
Rent (agricultural land)	311			
Carrying cost of goods and transportation expenses (agricultural goods)	312			
Salary/wages of laborer employed in agriculture	313			
Insurance expenses (agriculture related)	314			
Interest of the Agriculture loan	315			
Electricity and fuel cost	316			
Bees culture expenses	317			
Fish production expenses	318			
Livestock rearing expenses (Treatment cost etc.)	319			
Poultry rearing expenses (Treatment cost etc.)	321			
Other	322			
Total value	330			

SECTION 7: AGRICULTURAL ENTERPRISES *PART E: AGRICULTURAL ASSETS*

Equipment & assets used in agriculture		1 How many ..[NAME OF ASSET].. do you presently own? What is their total value?		2 How many did your household buy in the last 12 months? **TOTAL NUMBER AND THE TOTAL VALUE IN TAKA**		3 How many did your household sell in the last 12 months? **TOTAL NUMBER AND THE TOTAL VALUE IN TAKA**		4 How much did your household earn from rental of this item in the last 12 months? **WRITE TOTAL VALUE IN TAKA**
Farming asset	Code	Number	Taka	Number	Taka	Number	Taka	Taka
Tractor	401							
Thresher	402							
Power tiller	403							
Power pump	404							
Hand pump	405							
Plough and yoke	406							
Deep tube-well	407							
Shallow tube-well	408							
Sprayer	409							
Husking machine	411							
Ginning machine	412							
Country boat	413							
Engine boat	414							
Fishing net	415							
Cage incubator	416							
Brooder	417							
Bees-box	418							
Other (specify)	419							
Total value	420							

SECTION 8: OTHER ASSETS AND INCOME

PART A: OTHER PROPERTY AND ASSETS

		Acres	Decimals
1	Is there any land or property which your household owns but doesn't operate? **(don't include property already reported in sections 5, 6 & 7)** 1 Yes 2 No **>> Q3**		
2	How much would it cost to buy land or property owned by your household?	TAKA	
3	Did your household purchase any land or property during the last 12 months? 1 Yes 2 No **>> Q5**		
4	How much did your household spend on purchasing this land or property?	TAKA	
5	Did your household purchase any house or flat over the past 12 months? 1 Yes 2 No **>> Q7**		
6	How much did your household spend on purchasing that house or flat?	TAKA	
7	Does your household own any other assets (e.g. stocks, bonds, other financial assets, jewelry, etc. not reported earlier) 1 Yes 2 No **>> Q9**		
8	How much in total are these worth?	TAKA	
9	Did your household purchase any assets other than land over the past 12 months? 1 Yes 2 No **>> Q11**		
10	How much did your household spend on purchasing these assets?	TAKA	
11	Did your household sell any assets over the past 12 months? 1 Yes 2 No **>> Part B**		
12	How much did your household get from selling these assets?	TAKA	

SECTION 8: OTHER ASSETS AND INCOME

PART B: OTHER INCOME

1 Income from rent of land received during the past 12 months: TAKA

2 Income from rent of other property received during the past 12 months: TAKA

3 Social and insurrance (life and non-life) income received during the past 12 months:

Life Insurance TAKA

Health Insurance TAKA

General Insurance TAKA

4 Profit and dividend received as partner/ share holder during the past 12 months: TAKA

(DO NOT INCLUDE INCOME ALREADY REPORTED IN SECTION 5)

5 Lottery/ prize bond/ other similar income received in cash or in-kind during the past 12 months: TAKA

6 Charity, gift, royalty, help, zakat, fitra or other such assistance, etc. received during the past 12 months: **IN CASH** TAKA

7 Charity, gift, royalty, help, zakat, fitra or other such assistance, etc. received during the past 12 months: **IN-KIND** TAKA

8 Remittances received from relatives during the past 12 months: **(CASH AND IN-KIND FROM WITHIN THE COUNTRY)** TAKA

9 Remittances received from relatives during the past 12 months: **(CASH AND IN-KIND FROM OUTSIDE THE COUNTRY)** TAKA

10 where did you invest/spend the received money?
1. Construction 2. Business 3. Ecucation 4. Marriage
5. Consumption 6. Treatment 7. Others (Specify)

11 Gratuity,separation payment, retirement benefit received during the past 12 months: TAKA

12 Interest received during the past 12 months: **(FROM BANKS AND OTHER SOURCES)** TAKA

13 Other cash or in-kind receipts during the past 12 **(DO NOT INCLUDE RECEIPTS REPORTED ELSEWHERE)** TAKA

SECTION 8: OTHER ASSETS AND INCOME *PART C: MIGRATION AND REMITTANCE*

1 Has any member of your household migrated, either within the country or abroad, during the last 5 years?

1- Yes **>>Q3,** 2-No ☐

2 Has this household received any remittances from anyone living outside the household, either within Bangladesh or abroad, in the last 12 months?

1-Yes 2- No **>> Part D** ☐

PERSON ID	3 Name	4 Relation-ship to head of the H.H. CODE	5 When did (name) migrate? MONT	YEAR	6 Where is (name) working? 1 In country 2 Abroad **>>Q8**	7 If in-country, write zila code. **>>Q9**	8 If abroad, write country code. CODE	9 Age	10 Sex 1 Male 2 Female	11 Level of Literacy CODE	12 Occupation **SEE SECTION 4 FOR CODE**	13 How many times (name) send money during the last 12 months? CODE	14 What is the total amount of money that (name) has sent over the last 12 months? TAKA	15 How did (name) send money to the house-hold? CODE	16 Write the code of any goods/ things that (name) has sent to the household in the last 12 months. **LIST UP TO 3 IN ORDER OF IMPORTANCE** CODE 1	2	3	17 What is the total value of all the goods/ things that (name) sent in the last 12 months? TAKA
91																		
92																		
93																		
94																		
95																		
96																		
97																		
98																		
99																		

CODES FOR Q4 - RELATIONSHIP TO HOUSEHOLD HEAD

01	Head	08	Niece/Nephew
02	Husband/ wife	09	Father/Mother-in-law
03	Son/Daughter	10	Brother/Sister-in-law
04	Spouse of Son/Daughter	11	Other relative, specify
05	Grandchild	12	Servent
06	Father/Mother	13	Employee
07	Brother/Sister	14	Other, specify

CODES FOR Q8 - COUNTRY CODE

01	Saudi Arabia	10	United Arab Emirates		
02	Qatar	11	Canada	19	Sweden
03	Kuwait	12	Australia	20	Federation of Russia
04	Oman	13	U.K.	21	Italy
05	Malaysia	14	USA	22	Other European Country
06	Singapore	15	Korea (South)	23	Brunai
07	Iraq	16	Japan	24	Mauritius
08	Iran	17	Turkey	25	South Africa
09	Libya	18	Germany	26	Other, specify

CODES FOR Q16 - ITEM

1	Food
2	Electronic Goods (TV, VCD, etc.)
3	Mobile Phone
4	Computer
5	Vehicle
6	Clothing
7	Household Appliance
8	Other, specify

CODES FOR Q11 - EDUCATION CODES

00	No class passed						
01	Class 1	06	Class 6	10	SSC/equivalent	15	Engineering
02	Class 2	07	Class 7	11	HSC/equivalent	16	Vocational
03	Class 3	08	Class 8	12	Graduate/equivalent	17	Technical Education
04	Class 4	09	Class 9	13	Post Graduate/equivalent	18	Nursing
05	Class 5			14	Medical	19	Other, specify

CODES FOR Q13 - FREQUENCY

1	Once	4	Four times
2	Twice	5	Once a month
3	Three times	6	Never send
		7	Other (Specify)

CODES FOR Q15 - METHOD

Western Union		5	Through Friend/Relatives
Money Gram		6	Through Travel Agency
Postal Money Order		7	Agent/Broker
Through Bank		8	Other, specify

SECTION 8: OTHER ASSETS AND INCOME *PART D: MICRO CREDIT*

177

Respondent: Head of household

1	2	3	4
Have you or any member of your household open a bank account during the last 12 months?	Have you or any member of your household deposit money in the credit or microfinance institution (BRAC, Grammeen Bank, etc) in the last 12 months?	Have you or any member of your household deposit money in any informal depositor organisation in the last 12 months?	Have you or anyone in your household borrowed money from a family member, friend, micro finance institution, bank or other source in the last 12 months?
1 Yes 2 No	1 Yes 2 No	1 Yes 2 No	1 Yes 2 No **>>Section 9**

INTERVIEWER: Use a separate line for every line, put in the ID code of the person who borrowed the money.

LOAN	ID CODE in Roster	5 What was the source of this loan or credit? **USE CODES.** CODE	6 How much money was borrowed (in taka)? TAKA	7 How long is the repayment period (in months)? NUMBER OF MONTHS	8 Interest rate applied on loan (%) **FILL IN ONLY MONTH OR ONLY YEAR** MONTHLY RATE (%)	8 YEARLY RATE (%)	9 How often do you make payments and what is the amount of each payment? FREQUENCY CODE	9 AMOUNT TAKA	10 Have you completed repayment of your loan? 1 Yes 2 No>>Q12	11 Amount of unpaid loan (in taka)? TAKA	12 What was the purpose of receiving loan? **USE CODES.** CODE	13 Would you like to have borrowed more money at the same rate of interest? 1 Yes 2 No **>> Next person**	14 Are you willing to take more loan at the same rate of interest and how much? TAKA
20													
21													
22													
23													
24													
25													
26													
27													
28													

CODES FOR Q5 - SOURCE OF LOAN OR CREDIT

01 Private Commercial Bank
02 Public Commercial Bank
03 Krishi Bank/Rajshahi Krishi Bank
04 Co-operative Bank
05 Co-operative association
06 BSIC
07 Youth Development
08 Grameen Bank
09 BRAC
10 BRDB
11 Other Govt. Department
12 ASA
13 Proshika
14 Other NGO
15 Other Micro Finance Establishment
16 Input supplier
17 Money Lender
18 Land Lord
19 Employer
20 Friends
21 Relatives
22 Grocery Store
23 Other, specify

CODES FOR Q9 - FREQUENCY OF PAYMENT

1 Once
2 Daily
3 Weekly
4 Fortnightly
5 Monthly
6 Yearly
7 Other, specify

CODES FOR Q12 - PURPOSE OF LOAN

1 Education
2 Health
3 Agriculture
4 Business
5 Housing
6 Food Purchase
7 Marriage
8 Other, specify

SECTION 9: CONSUMPTION *PART A: DAILY CONSUMPTION*

Less than 10 years old: No. of boys ____ No. of girls ____
10 years and older: No. of men ____ No. of women ____
Date (Date/ Month/ Year) ____ ____ ____

DAY 1

			Quantity	Value		1. Purchase 2. Wage in-kind 3. Self Prod. 4. Gift
				Taka	Ps	Major Source
1	**Food grains**	**010**				
	Rice - Fine	011	gm			
	Rice - Medium	012	gm			
	Rice - Coarse	013	gm			
	Beaten rice	014	gm			
	Pop rice	015	gm			
	Puffed rice	016	gm			
	Wheat (Atta)	017	gm			
	Flour	018	gm			
	Vermicelli/ Suji	019	gm			
	Bread/ Bonroti	021	gm			
	Biscuits	022	gm			
	Cake	023	gm			
	Other (specify)	025	gm			
2	**Pulses**	**030**				
	Lentil (musur)	031	gm			
	Chickling-Vetch (mug)	032	gm			
	Green gram (boot)	033	gm			
	Pea gram (kheshari)	034	gm			
	Mashkalai	035	gm			
	Other (specify)	036	gm			
3	**Fish**	**040**				
	Hilsa	041	gm			
	Rhui/ Katla/ Mrigel/ Kal baush	042	gm			
	Pangash/ Boal/ Air	043	gm			
	Kai/ Magur/ Shinghi/ Khalisha	044	gm			
	koi	045	gm			
	Silver carp/ Grass carp/ Miror carp	046	gm			
	Shoal/ Gajar/ Taki	047	gm			
	Puti/ Big Puti/ Telapia/ Nilotica	048	gm			
	Mala-kachi/ Chala-chapila	049	gm			
	Shrimp	051	gm			

DAY 1

			Quantity	Value		1. Purchase 2. Wage in-kind 3. Self-prod 4. Gift
				Taka	Ps	Major Source
	Dried fish	052	gm			
	Tangra/ Eelfish	053	gm			
	sea fish	054	gm			
	Baila/ Tapashi	055	gm			
	Other (specify)	056	gm			
4	**Eggs**	**060**				
	Hen egg	061	No			
	Duck egg	062	No			
	Other (specify)	063	No			
5	**Meat**	**070**				
	Beef	071	gm			
	Buffalo	072	gm			
	Mutton	073	gm			
	Sheep	074	gm			
	Hen	075	gm			
	Duck	076	gm			
	Other (specify)	077	gm			
6	**Vegetables**	**080**				
	Potato	081	gm			
	Brinjal	082	gm			
	White gourd/ Pumpkin	083	gm			
	Water gourd	084	gm			
	Balsam apple	085	gm			
	Perbol (Patal)	086	gm			
	Snake gourd/ Ribbed gourd	087	gm			
	Green banana/ Green papaya	088	gm			
	Arum/ Ol-kachu/ Kachur-mukhi	089	gm			
	Cauliflower/ Cabbage	091	gm			
	Bean/ Lobey	092	gm			
	Tomato	093	gm			
	Radish	094	gm			
	Ladies' finger	095	gm			
	(All types of leafy veg.(Spinach/ Amaranta/ Basil)	096	gm			
	Other (specify)	097	gm			

SECTION 9: CONSUMPTION

PART A: DAILY CONSUMPTION

DAY 1

			Quantity	Value		1. Purchase 2. Wage in-kind 3. Self-prod 4. Gift
				Taka	Ps	Major
7	**Milk & Dairy**	**100**				
	Liquid milk	101	ml			
	Powder milk	102	gm			
	Curd	103				
	Casein (ponir)/ Butter	104	gm			
	Milk drinks	105	ml			
	Other (specify)	106				
8	**Sweetmeat**	**110**				
	Rasogolla/ Chamcham/ Shandash	111	gm			
	Jilapi/ Bundia/ Amriti	112	gm			
	Halua/ Batasha/ Kadma	113	gm			
	Other (specify)	114	gm			
9	**Oil & Fats**	**120**				
	Mustard oil	121	gm			
	Soybean oil	122	gm			
	Dalda/ Vanashpati	123	gm			
	Ghee	124	gm			
	Other (specify)	125	gm			
10	**Fruits**	**130**				
	Ripe banana	131	gm			
	Mango	132	gm			
	Melon/ Bangi	133	gm			
	Jack fruit	134	gm			
	Leeches	135	gm			
	Ripe papaya	136	gm			
	Guava	137	gm			
	Pineapple	138	gm			
	Safeda	139	gm			
	Palm	141	gm			
	Bedana	142	gm			
	Apple	143	gm			
	Orange	144	gm			
	Grape	145	gm			
	Black berry	146	gm			
	Amra/Kamranga	147	gm			
	Others	148	gm			

DAY 1

			Quantity	Value		1. Purchase 2. Wage in-kind 3. Self-prod 4. Gift
				Taka	Ps	Major
11	**Drinks**	**150**				
	Soft drinks(peepsi/RC/Mojo/Coke, Sherbat, etc.	151	ml			
	Ovaltine/ Horlicks	152	gm			
	Tea/ Coffee leaf	153	gm			
	Liquid (Ros) of Sugarcane/ Date/Palm	154	ml			
	Green coconut water	155	ml			
	Other (specify)	156				
12	**Sugar & molasses**	**160**				
	Sugar/ Misri	161	gm			
	Molasses (Sugarcane/ Date/ Palm)	162	gm			
	Khaja/ Logenze/ Toffee	163	no			
	Chocolate	164	no			
	Ice-cream	165	no			
	Other (specify)	166				
13	**Miscellaneous Food**	**170**				
	Pickles	171	gm			
	Jelly/ Jam	172	gm			
	Amshatta	173	gm			
	Sauce/Sirka	174	gm			
	Other (specify)	175				
14	**Dining out (Food outside)**	**180**				
	Meals(Rice/Biriani)	181	gm			
	Fish	182	gm			
	Meat	183	gm			
	Patties/Cake	184	gm			
	Sandwich	185	gm			
	Burger	186	gm			
	Hotdog	187	gm			
	Pizza	188	gm			
	Samucha/Singara/Puri/Cake	189	gm			
	Tea	191	cup			
	Coffee	192	cup			
	Soft drinks/bottle water	193	ml			
	Other	194				
15	**Tobacco & tobacco products**	**200**				
	Cigarette	201	no			
	Tobacco leaf	202	gm			
	Bidies	203	no			
	Gul and Other (specify)	204				

SECTION 9: CONSUMPTION ***PART B: WEEKLY CONSUMPTION***

Date (Date/ Month/ Year)

DAY 1-7

			Quantity	Value		1. Purchase 2. Wage in-kind 3. Self-prod 4. Gift
				TAKA	PAISA	Major
16	**Spices**	**210**				
	Dried chili	211	gm			
	Green chili	212	gm			
	Onion	213	gm			
	Garlic	214	gm			
	Turmeric	215	gm			
	Salt	216	gm			
	Ginger	217	gm			
	Cummins	218	gm			
	Coriander-seed	219	gm			
	Aromatic-seed	221	gm			
	Clove/ Black pepper/ Cassia-leaf	222	gm			
	Other (specify)	223	gm			
17	**Betel leaf & Chewgoods**	**230**				
	Betel leaf	231	gm			
	Betel nut	232	gm			
	Zorda/ tobacco leaf	233	gm			
	Lime	234	gm			
	Khoer	235	gm			
	Rolled betel leaf	236	gm			
	Other (specify)	237	gm			

SECTION 9: CONSUMPTION ***PART B: WEEKLY CONSUMPTION***

Date (Day/ Month/ Year)

DAY 8-14

		Quantity	Value		1. Purchase 2. Wage in-kind 3. Self-prod 4. Gift
			TAKA	PAISA	Major
16 Spices	**210**				
Dried chili	211	gm			
Green chili	212	gm			
Onion	213	gm			
Garlic	214	gm			
Turmeric	215	gm			
Salt	216	gm			
Ginger	217	gm			
Cummins	218	gm			
Coriander-seed	219	gm			
Aromatic-seed	221	gm			
Clove/ Black pepper/ Cassia-leaf	222	gm			
Other (specify)	223	gm			
17 Betel leaf & Chewgoods	**230**				
Betel leaf	231	gm			
Betel nut	232	gm			
Zorda/ tobacco leaf	233	gm			
Lime	234	gm			
Khoer	235	gm			
Rolled betel leaf	236	gm			
Other (specify)	237	gm			

SECTION 9: CONSUMPTION ***PART C: MONTHLY NON-FOOD EXPENDITURE***

		1 What was the value of goods consumed that were bought in cash/ credit or wages in-kind? Taka	2 What was the value of goods consumed that were produced by the household or received Taka	3 **SUM OF COLUMN 1 AND 2** Taka
18	**FUEL AND LIGHTING**	**240**			
	Firewood	241			
	Cow dung/cakes/bhushi/wood-powder	242			
	Jute stick	243			
	Kerosene	244			
	Agri by products fuel: paddy, hag, pressed sugarcane and dried com plants, etc.	245			
	Gas (natural, bio-gas)/LPG	246			
	Electricity	247			
	Pit coal, char coal, wood coal	248			
	Other fuels and light (e.g. matches and candles etc.)	249			
19	**COSMETICS AND OTHER EXPENSES**	**250**			
	Snow, cream, powder	251			
	Perfume etc.	252			
	Hair cutting, styling, shaving, etc.	253			
	Hair oil, hair cream, combs, clips, etc.	254			
	Razor, razor blades, shaving cream and lotions, etc.	255			
	Lipstick, nailpolish, etc.	256			
	Beautifying items (hair ribbon, churi, kajal, etc.)	257			
20	**WASHING AND CLEANING EXPENSES**	**260**			
	Bath soap, shampoo, toothpaste, etc.	261			
	Washing soap, powder for cloths	262			
	Washing/ laundry expenses	263			
	Bleaching powder, soda etc.	264			
	Vim/ dish cleaning supplies	265			

SECTION 9: CONSUMPTION ***PART C: MONTHLY NON-FOOD EXPENDITURE***

		1 What was the value of goods consumed that were bought in cash/ credit or wages in-kind? Taka	2 What was the value of goods consumed that were produced by the household or received Taka	3 **SUM OF COLUMN 1 AND 2** Taka
Finis/ phenyl/ other household cleaning supplies	266			
Toilet papers	267			
Mosquito coil	268			
Mosquito spray	269			
21 TRANSPORT/ TRAVEL AND OTHER MISC. CHARGES	**270**			
Bus fare	271			
Rickshaw/ van fare	272			
Taxi/ tempoo/ mishuk fare	273			
Boat/ launch fare	274			
Train fare	275			
Other transport fare (specify)	276			
Bicycle maintenance, tyres, tubes repairs etc.	277			
Motor-cycle maintenance, repairs, etc.	278			
Car maintenance, repairs, etc.	279			
Boat maintenance, repairs, etc.	281			
Petrol	282			
Diesel	283			
Motor oil/CNG. etc	284			
Other transport, repair and maintenance.	285			
Telephone bill/ charges/mobile	286			
Telegram, postal and courier service expenses, etc.	287			
Salaries and wages of servants	288			
Salaries and wages of drivers	289			
Salaries and wages of others including guards, gardeners, housekeepers etc.	291			
Other contegencies expenses (specify)	292			

SECTION 9: CONSUMPTION *PART D: ANNUAL NON-FOOD EXPENDITURE*

	Expenditure/ consumption during the past 12 month	1 How many did you buy/produce at home/receive as gift? (No)	2 What was the value of these goods? (Taka)
22	**READY-MADE GARMENTS**	**300**	
	For adult: Lungi/dhuti	301	
	Shirts	302	
	Pant	303	
	Saree	304	
	Blouse/ peticoat	305	
	Salwar kameez/ Orna	306	
	Punjabi/ Pajamas	307	
	Suit, overcoat, ashkan, etc.	308	
	Sweaters, Jacket, pullovers, mufflers, etc.	309	
	Underwear etc.	311	
	Socks, handkerchiefs, scarves, caps, neckties etc.	312	
	Other (specify)	313	
	For children:	314	
	Full pant	315	
	Half pant	316	
	Shirts	317	
	T-shirt	318	
	Frocks, dresses, babysuit etc.	319	
	Socks, handkerchiefs, scarves, caps, neckties etc.	321	
	Sweaters, Jacket, pullovers, mufflers, etc.	322	
	Other for children (specify)	323	
	Both		
	Towel, Gamcha	324	
	Chador, shawl, etc.	325	
	Other (specify)	326	

	Expenditure/ consumption during the past 12 month	1 How many did you buy/produce at home/receive as gift? (No)	2 What was the value of these goods? (Taka)
23	**CLOTHING MATERIAL AND TAILORING**	**330**	
	Mill-made cloth/ fabric	331	
	Hand loom cloth/ fabric	332	
	Drill and other cloth for trousers	333	
	Woolen cloth	334	
	Silk	335	
	Artificial silk etc.	336	
	Other artificial-yarn made cloths	337	
	Tailoring expenses	338	
	Other clothing related expenses	339	
24	**FOOTWEAR**	**340**	
	Leather shoes	341	
	Leather sandal-shoes	342	
	Leather sandal	343	
	Plastic shoes	344	
	Plastic sandal-shoes	345	
	Other sandal	346	
	Canvas shoes, sports shoes, etc.	347	
	Wooden sandals	348	
	Shoe brush, polish, cleaning supplies, etc.	349	
	Maintenance and repair expenses of foot wear	351	
	Other expenses regarding footwear	352	

SECTION 9: CONSUMPTION ***PART D: ANNUAL NON-FOOD EXPENDITURE***

Expenditure/ consumption during the past 12 months		1 What was the value of goods bought/ produced at home/ received as gift? Taka
25 HOUSEHOLD-USE TEXTILES, ETC.	**360**	
Quilt/blanket/Katha	361	
Toshok	362	
Jajim	363	
Foam sheet	364	
Bedsheets	365	
Bed cover	366	
Pillows, cushions	367	
Pillow cover, cushion cover	368	
Table cover	369	
Curtain	371	
Mosquito netting	372	
Other (specify)	373	

27 MEDICAL TREATMENT EXPENSES (MALE)	390	
Doctor's fees	391	
Other practitioner's fees (homeopath etc.)	392	
Medicines	393	
Ayurvedic/ Kbiraji	394	
Medical Tests (X-ray, blood, urine etc.)	395	
Hospitalization, clinic charges, etc.	396	
Dental related expenses	397	
Spectacles	398	
Hearing aids	399	
Crutches	401	
Health-related travel/ incidental expenses	402	

Expenditure/ consumption during the past 12 month		1 What was the value of goods bought/ produced at home/ received as gift? Taka
26 HOUSING RELATED EXPENSES	**380**	
House rent (rented house)	381	
Imputed rent (owner-occupied or other)	382	
Water/ sewerage charges	383	
Home additions/ improvements	384	
Painting	385	
Disaster-related maintenance/ repair	386	
Other routine maintenance/ repair	387	
Municipal tax	388	
Other related services/ expenses	389	

28 MEDICAL TREATMENT EXPENSES (FEMALE)	410	
Doctor's fees	411	
Other practitioner's fees (homeopath etc.)	412	
Medicines	413	
Ayurvedic/ Kbiraji	414	
Medical Tests (X-ray, blood, urine etc.)	415	
Hospitalization, clinic charges, etc.	416	
Dental related expenses	417	
Spectacles	718	
Hearing aids	419	
Crutches	421	
Maternity expenses	422	
Health-related travel/ incidental expenses	423	

SECTION 9: CONSUMPTION ***PART D: ANNUAL NON-FOOD EXPENDITURE***

Expenditure/ consumption during the past 12 months	1 What was the value of goods bought/ produced at home/ received as gift? Taka

29	EDUCATIONAL EXPENSES (MALE)	430	
	Registration fees	431	
	Examination fees	432	
	Annual fees	433	
	School fees	434	
	Personal Teaching expenses	435	
	Text book/ note books/ stationary	436	
	Hostel Expenses	437	
	Other	438	

31	REMITTANCES, CEREMONIES, GIFTS, ETC.	450	
	Remittances to others living separately	451	
	Zakat	452	
	Fitra	453	
	Donation/ Sadqa	454	
	Qurbani	455	
	Religious functions (milad etc.)	456	
	Expenditure on Hajj	457	
	Expenditure on Pilgrimage	458	
	Expenditure on marriage	459	
	Expenditure on births	461	
	Expenditure on deaths	462	
	Other (specific)	463	

Expenditure/ consumption during the past 12 month	1 What was the value of goods bought/ produced at home/ received as gift? Taka

30	EDUCATIONAL EXPENSES (FEMALE)	440	
	Registration fees	441	
	Examination fees	442	
	Annual fees	443	
	School fees	444	
	Personal Teaching expenses	445	
	Text book/ note books/ stationary	446	
	Hostel Expenses	447	
	Other	448	

32	RECREATION & LEISURE, ETC.	470	
	Books, newspaper, magazines, story books	471	
	Cinema	472	
	Theater	473	
	Variety shows, concerts, etc.	474	
	Sporting expenses, club membership fees, etc.	475	
	Video cassette purchases and rental etc.	476	
	Audio cassette purchases etc.	477	
	Photography	478	
	TV/ video/ satelite license fees, etc.	479	
	Other recreation, marriage day/birthday, tourisum & leisure related expenses	481	

SECTION 9: CONSUMPTION ***PART D: ANNUAL NON-FOOD EXPENDITURE***

Expenditure/ consumption during the past 12 months		1 What was the value of goods bought/ produced at home/ received as gift?
33 TAXES, INTEREST, FINES, ETC.	**490**	
Income tax	491	
Bank interest charge, Payment of banking charge	492	
Fines	493	
Legal practitioner fees	494	
Other legal expenses	495	
Property registration fees	496	
Other (specify)	497	

34 COOKING EQUIPMENT	**500**	
Glass/china/clay plates and dishes etc.	501	
Refrigerators	502	
Stove (electric/ gas/ kerosene)	503	
Pots/ pans	504	
Other kitchen ware and utensils	505	
spoons/ forks/ knives etc.	506	
Micro oven/Pressure cooker	507	
Others	508	

35 FURNITURE & RELATED PARAPHERNALIA	**510**	
Khat/ chokey	511	
Chai/ table/ dresing table etc.	512	
Sofa	513	
Wooden/ steel almira/ wardrobe/ bookself	514	
Trunks, suitcases, etc.	515	
Furniture repair/ polish etc.	516	
Other furniture	517	

Expenditure/ consumption during the past 12 Month		1 What was the value of goods bought/ produced at home/ received as gift?
36 PERSONAL ARTICLES	**520**	
Gold Jwelry	521	
Silver Jwelry	522	
Imitation Jwelry	523	
Purses/ money bags	524	
Vanity bags	525	
Umbrella, walking stick	526	
Tie-pin, cigarette cases, lighter etc.	27	
Wrist watch/ clock etc.	528	
Other personal use items (belts, etc>)	529	

37 MISC. HOUSEHOLD DURABLE	**530**	
Radio	531	
Two-in-one	532	
Black & White Television	533	
Colored Television	534	
VDO game set	535	
VCD/ VCR/dish antenna/cable membership fees	536	
Washing machine, iron, etc.	537	
Guitar/ orchestra/ harmonium	538	
Typewriter, personal computer etc.	539	
Lenten/ chimney lamp etc.	541	
Electric fans, air-conditioners, coolers, etc.	542	
Cameras/ camcorders/vedio camera	543	

38 INSURANCE EXPENDITURE	**550**	
Life insurance	551	
Health insurance	552	
General insurance	553	

SECTION 9: CONSUMPTION *PART E: INVENTORY OF CONSUMER DURABLE GOODS*

1 Does you household own any of the following items? **PUT A CROSS MARK (X) IN THE APPROPRIATE BOX FOR ALL ITEMS IF THE ANSWER IS YES**				2 How many ..[ITEM].. Does your household own? **OF THE ITEM OWNED**	3 If you wanted to sell this/these ..[ITEM].. Today, how much money would you receive	4 If it is procured within the last 12 months, How much it costs?
Item	No	Yes	Code	No	Taka	Taka
Radio			561			
Two-in-one, Cassette player			562			
Camera/ camcorder			563			
Bicycle			564			
Motorcycle/ scooter			565			
Motor car etc.			566			
Refrigerator or freezer			567			
Washing machine			568			
Fans			569			
Heaters			571			
Television			572			
VCR/ VCP/DVD			573			
Dish antena/ decoder			574			
Pressure lamps/ petromax			575			
Sewing machine			576			
Bedroom Furniture			577			
Drawing room Furniture			578			
Dining room Furniture			579			
Carpet			581			
Kitchen Items - Cutlery			582			
Kitchen Items - Crockery			583			
Mocrooven/Kitchen Items - Cooking			584			
Tubewell (for drinking water only)			585			
Wrist watch/Wall clock			586			
Mobile			587			
Computer/TV Card			588			
Boat/Others			589			
Total			600			

SECTION 1: HOUSEHOLD INFORMATION ROSTER

SEX	AGE	1 LIST THE NAME OF EACH AND EVERY HOUSEHOLD MEMBERS THEN GO TO SECTION 1 PART A AND ASK THE QUESTIONS	
			01
			02
			03
			04
			05
			06
			07
			08
			09
			10
			11
			12
			13
			14
			15

Attachment 2

Data dictionary

rt001.dta

1	stratum	Stratum
2	psu	Primary Sampling Unit
3	hhold	Household Number
4	team	
5	term	
6	region	Division
7	district	District code
8	thana	Upazila
9	union	Union code
10	mouza	Mouza Code
11	spc	Rural/Urban(Municipality+SMA)
12	urbanrur	
13	wgt	Weight
14	s06a_q01	id code of the respondent
15	s06a_q02	How many rooms occupy?
16	s06a_q03	Your dwelling possesa separate dining
17	s06a_q04	Your dwelling possesa separate kitchan
18	s06a_q05	Material of the walls
19	s06a_q06	Material of the roof
20	s06a_q07	Total usable space (Sq.feet)
21	s06a_q08	What type of latrine?
22	s06a_q09	Main sousce of drinking water
23	s06a_q10	Tubwell tested for arsenic
24	s06a_q11	Was Arsenic found?
25	s06a_q12	Alternative source of drinking water
26	s06a_q13	Source of water for other use
27	s06a_q14	Electricity connection
28	s06a_q15	How many hours you have electicity?
29	s06a_q16	Mobile phone
30	s06a_q17	Landline phone connection
31	s06a_q18	Coumputer
32	s06a_q19	Access to internet
33	s06a_q20	How you access the internet?
34	s06a_q21	Present occupancy ststus
35	s06a_q22	Amount you need to buy/build such house
36	s07a_q01	Total cultivable land owned. decimals
37	s07a_q02	total homestead land? decimals
38	s07a_q03	Total not uncultivated land? decimals
39	s07a_q04	Total agriculture land rented out? decimals
40	s07a_q05	Total cultivable land rented out? decimals
41	s07a_q06	Total operating land? decimals
42	s07b_q01	Did any member cultivated any land for crop...
43	s07c_q01	Household raise any livestock
44	s07c_q09	Household engage in any fishing
45	s07c_q13	Household engage in any farm forestry
46	s08a_q01	Own any unused land?
47	s08a_q_1	Amount of unused land? decimals
48	s08a_q02	present price of your own land?
49	s08a_q03	household purchased any land in last 12 months

50 s08a_q04 Cost of purchasing this land?
51 s08a_q05 Did your household purchase any house?
52 s08a_q06 Cost of purchasing this house?
53 s08a_q07 Household own other assets
54 s08a_q08 What is the total value of such assets?
55 s08a_q09 Household purchased any assets in last 12 months
56 s08a_q10 What was the cost of such purchase?
57 s08a_q11 Household sold any assets
58 s08a_q12 How much household received from selling
59 s08b_q01 Income from rent of land (share cropping)
60 s08b_q02 Income from rent of other property
61 s08b_q03 income from Life insurance
62 s08b_q_1 income from Health insurance
63 s08b_q_2 income from General insurance
64 s08b_q04 Profit and dividend received
65 s08b_q05 Lottery or similary income in cash or in-kind
66 s08b_q06 Gift, Charity or other received? In cash
67 s08b_q07 Gift, Charity or other received? In-kind
68 s08b_q08 Remittances received from within the country
69 s08b_q09 Remittances received from outside the country
70 s08b_q10 Where did you invast remittance money
71 s08b_q11 Pension, Gratuity, other benefit received
72 s08b_q12 Profit,Interest received
73 s08b_q13 Other cash or in-kind received
74 s08c_q01 Any member of household migrated?
75 s08c_q02 Household received remittances from outside?
76 s08d_q01 Any member opened bank account?
77 s08d_q02 Any member deposited in any credit union?
78 s08d_q03 Any member deposited in non-inst. group?
79 s08d_q04 Any member borrowed money
80 s09a1d01 Number of boys
81 s09a1d_1 Number of girls
82 s09a1d_2 Number of men
83 s09a1d_3 Number of women
84 s09a1d_4 Date
85 s09a1d02 Number of boys
86 s09a1d_5 Number of girls
87 s09a1d_6 Number of men
88 s09a1d_7 Number of women
89 s09a1d_8 Date
90 s09a1d03 Number of boys
91 s09a1d_9 Number of girls
92 s09a1_10 Number of men
93 s09a1_11 Number of women
94 s09a1_12 Date
95 s09a1d04 Number of boys
96 s09a1_13 Number of girls
97 s09a1_14 Number of men
98 s09a1_15 Number of women
99 s09a1_16 Date
100 s09a1d05 Number of boys
101 s09a1_17 Number of girls
102 s09a1_18 Number of men
103 s09a1_19 Number of women
104 s09a1_20 Date
105 s09a1d06 Number of boys

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106 s09a1_21   Number of girls
107 s09a1_22   Number of men
108 s09a1_23   Number of women
109 s09a1_24   Date
110 s09a1d07   Number of boys
111 s09a1_25   Number of girls
112 s09a1_26   Number of men
113 s09a1_27   Number of women
114 s09a1_28   Date
115 s09a1d08   Number of boys
116 s09a1_29   Number of girls
117 s09a1_30   Number of men
118 s09a1_31   Number of women
119 s09a1_32   Date
120 s09a1d09   Number of boys
121 s09a1_33   Number of girls
122 s09a1_34   Number of men
123 s09a1_35   Number of women
124 s09a1_36   Date
125 s09a1d10   Number of boys
126 s09a1_37   Number of girls
127 s09a1_38   Number of men
128 s09a1_39   Number of women
129 s09a1_40   Date
130 s09a1d11   Number of boys
131 s09a1_41   Number of girls
132 s09a1_42   Number of men
133 s09a1_43   Number of women
134 s09a1_44   Date
135 s09a1d12   Number of boys
136 s09a1_45   Number of girls
137 s09a1_46   Number of men
138 s09a1_47   Number of women
139 s09a1_48   Date
140 s09a1d13   Number of boys
141 s09a1_49   Number of girls
142 s09a1_50   Number of men
143 s09a1_51   Number of women
144 s09a1_52   Date
145 s09a1d14   Number of boys
146 s09a1_53   Number of girls
147 s09a1_54   Number of men
148 s09a1_55   Number of women
149 s09a1_56   Date
150 s09b1w1_   Date
151 s09b1w2_   Date


###  rt002.dta  ###
 1 psu        Primary sampling unit
 2 hhold      household
 3 idcode     personal identification code
 4 resid1a    respondent identification code - section 1.a
 5 s01a_q01   s01a_q01: name   (deleted)
 6 s01a_q02   s01a_q02: sex
 7 s01a_q03   s01a_q03: relationship to head
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8	s01a_q04	s01a_q04: age in years
9	s01a_q05	s01a_q05: religion
10	s01a_q06	s01a_q06: marital status
11	s01a_q07	s01a_q07: earner
12	s01a_q08	s01a_q07: spouse ID
13	s01a_q09	s01a_q09: father id
14	s01a_q10	s01a_q10: mother id
15	s01a_q11	s01a_q11: Lived abroad more than 6 m?
16	s01a_q12	s01a_q12: why did return?
17	s01b_q01	s01b_q01: did work for livelihood during last 7 days?
18	s01b_q02	s01b_q02: was avaible for work during last 7 days?
19	s01b_q03	s01b_q03: did look for work during last 7 days
20	s01b_q04	s01b_q04: Reason for not looking for work
21	resid1c	respondent identification code - section 1.c
22	s01c_q01	s01c_q01: has benefitted from social safety?
23	s01c_q02	s01c_q02: In what program has been included?
24	s01c_q03	s01c_q03m: when enlisted (month)
25	s01c_q_1	s01c_q03y: when enlisted (year)
26	s01c_q04	s01c_q04t: how much entitled cash (taka)
27	s01c_q_2	s01c_q04m: how much entitled in kind (code of item)
28	s01c_q_3	s01c_q04k: how much entitled in kind (kg)
29	s01c_q05	s01c_q05t: how much actually received in cash?
30	s01c_q_4	s01c_q05n: how much actually received in kind (code of item)
31	s01c_q_5	s01c_q05k: how much actually received in kind (kg)
32	s01c_q06	s01c_q06: amount spent for inclusion
33	s01c_q07	s01c_q07: cause why not included
34	resid2a	respondent identification code - section 2.a
35	s02a_q03	s02a_q03: can read a letter?
36	s02a_q04	s02a_q04: can write a letter?
37	s02a_q05	s02a_q05: highest class passed
38	s02a_q06	s02a_q06: where attended/attending?
39	s02a_q07	s02a_q07: what type of school attended/attending?
40	resid2b	respondent identification code - section 2.b
41	s02b_q01	s02b_q01: are you attending education institution?
42	s02b_q02	s02b_q02: what class attending?
43	s02b_q03	s02b_q03: receiving stipend for primary?
44	s02b_q04	s02b_q04: how much you received in 12 m?
45	s02b_q05	s02b_q05: receiving secondary stipend?
46	s02b_q06	s02b_q06: how much received in 12 m?
47	s02b_q07	s02b_q07: received benefit in the tuition waiver?
48	s02b_q08	s02b_q08a: Amount spent on admission
49	s02b_q_1	s02b_q08b: Amount spent on annual session fee
50	s02b_q_2	s02b_q08c: Amount spent on registration
51	s02b_q_3	s02b_q08d: Amount spent on examination fee
52	s02b_q_4	s02b_q08e: Amount spent on tuituion fee
53	s02b_q_5	s02b_q08f: Amount spent on text books
54	s02b_q_6	s02b_q08g: Amount spent on exercise books
55	s02b_q_7	s02b_q08h: Amount spent on uniform
56	s02b_q_8	s02b_q08i: Amount spent on private tution
57	s02b_q_9	s02b_q08j: Amount spent on hostel/mess
58	s02b__10	s02b_q08k: Amount spent on conveyance
59	s02b__11	s02b_q08l: Amount spent on tiffin
60	s02b__12	s02b_q08l: Amount spent on internet/e-mail
61	s02b__13	s02b_q08n: Amount spent on schooling donation
62	s02b__14	s02b_q08o: Amount spent on schooling other
63	s02b__15	s02b_q08p: Amount spent on schooling total

64 s03a_q01 s03a_q01: have suffered chronic illness?
65 s03a_q02 s03a_q02: what chronic illness? 1
66 s03a_q_1 s03a_q02: what chronic illness? 2
67 s03a_q03 s03a_q03y: for how long had illness? (years)
68 s03a_q_2 s03a_q03m: for how long had illness? (months)
69 s03a_q04 s03a_q04: have suffered illness in last 30 days?
70 s03a_q05 s03a_q05_1: what type of illness? 1
71 s03a_q_3 s03a_q05_2: what type of illness? 2
72 s03a_q_4 s03a_q05_3: what type of illness? 3
73 s03a_q06 s03a_q06: have sought medical treatment?
74 s03a_q07 s03a_q07: If not why not?
75 s03a_q08 s03a_q08_1: If yes who was consulted (1st)
76 s03a_q_5 s03a_q08_2: who was consulted (2nd)
77 s03a_q09 s03a_q09: After how many days began consultation?
78 s03a_q10 s03a_q10: From where got medicines?
79 s03a_q11 s03a_q11: did you pay for the medicines?
80 s03a_q12 s03a_q12: how did travel to rervice provider?
81 s03a_q13 s03a_q13h: how much time it took? (hour)
82 s03a_q_6 s03a_q13m: how much time it took? (minutes)
83 s03a_q14 s03a_q14h: how long you had to wait? (hour)
84 s03a_q_7 s03a_q14m: how long you had to wait? (minutes)
85 s03a_q15 s03a_q15: why you chose this provider?
86 s03a_q16 s03a_q16: Did provider give enough time for you?
87 s03a_q17 s03a_q17a: Amount paid for consultation/visit
88 s03a_q_8 s03a_q17b: Amount paid for hospital/clinic
89 s03a_q_9 s03a_q17c: Amount paid for medicines
90 s03a__10 s03a_q17d: Amount paid for cost of test/investigation
91 s03a__11 s03a_q17e: Amount paid for conveyance
92 s03a__12 s03a_q17f: Amount paid for tips on
93 s03a__13 s03a_q17g: Amount paid for other services
94 s03a__14 s03a_q17hc: total cost of treatment? (maternity clinic)
95 s03a__15 s03a_q17hm: total cost of treatment? (maternity midwife)
96 s03a__16 s03a_q17ho: total cost of treatment? (maternity others)
97 s03a__17 s03a_q17t: total cost of treatment? (total cost)
98 s03a_q18 s03a_q18_1: how financed treatment? 1
99 s03a__18 s03a_q18_2: how financed treatment? 2
100 s03a__19 s03a_q18_3: how financed treatment? 3
101 s03b_q01 s03b_q01m: when the child was born? (month)
102 s03b_q_1 s03b_q01y: when the child was born? (year)
103 s03b_q02 s03b_q02: present age of child? (in months)
104 s03b_q03 s03b_q03: has he/she ever been immunized?
105 s03b_q04 s03b_q04: Do you have immunization card?
106 s03b_q05 s03b_q05bcg: bcg?
107 s03b_q_2 s03b_q05dpt1: dpt1?
108 s03b_q_3 s03b_q05dpt2: dpt2?
109 s03b_q_4 s03b_q05dpt3: dpt3?
110 s03b_q_5 s03b_q05p1: polio1?
111 s03b_q_6 s03b_q05p2: polio2?
112 s03b_q_7 s03b_q05p3: polio3?
113 s03b_q_8 s03b_q05m: measles?
114 s03b_q_9 s03b_q05h: hepatitis?
115 s03b_q06 s03b_q06: where was most recent immunization?
116 s03b_q07 s03b_q07: who influenced you to immunize?
117 s03b_q08 s03b_q08: received vitamin-a capsules in last 12m?
118 s03c_q01 s03c_q01: have you ever given birth?
119 s03c_q02 s03c_q02: in what year you gave the last one?

120 s03c_q03 s03c_q03: did you attend prenatal consultations?
121 s03c_q04 s03c_q04: From where you received this care?
122 s03c_q05 s03c_q05: In what month you went first time?
123 s03c_q06 s03c_q06: did you receive tetanus vaccine?
124 s03c_q07 s03c_q07: who assisted with this birth?
125 s03c_q08 s03c_q08: where did you give birth?
126 s03c_q09 s03c_q09: did you visit post-natal checkup?
127 s03c_q10 s03c_q10: where did you go for checkup?
128 s03d_q02 s03d_q02: difficulty seeing?
129 s03d_q03 s03d_q03: how old was when difficulty began?
130 s03d_q04 s03d_q04: what was the cause?
131 s03d_q05 s03d_q05: difficulty hearing?
132 s03d_q06 s03d_q06: how old was when it began?
133 s03d_q07 s03d_q07: what was the cause?
134 s03d_q08 s03d_q08: difficulty walking?
135 s03d_q09 s03d_q09: how old was when it began?
136 s03d_q10 s03d_q10: what was the cause?
137 s03d_q11 s03d_q11: difficulty remembering?
138 s03d_q12 s03d_q12: how old was when it began?
139 s03d_q13 s03d_q13: what was the cause?
140 s03d_q14 s03d_q14: difficulty with self care?
141 s03d_q15 s03d_q15: how old was when it began?
142 s03d_q16 s03d_q16: what was the cause?
143 s03d_q17 s03d_q17: difficulty in comunicating?
144 s03d_q18 s03d_q18: how old was when it began?
145 s03d_q19 s03d_q19: what was the cause?
146 s03d_q20 s03d_q20h: difficulty reduced work at home?
147 s03d_q_1 s03d_q20s: difficulty reduced work at school?
148 s03d_q_2 s03d_q20w: difficulty reduced work at work?
149 s03d_q21 s03d_q21: what measures taken to improve?

rt003.dta
 1 psu   PSU
 2 hhold   household
 3 serial   Activity serial
 4 idcode   Id code
 5 s04a_q01   s04a_q01d: what activities did you do? description
 6 s04a_q_1   s04a_q01o: what activities did you do? occupation code (2-digit)
 7 s04a_q_2   s04a_q01i: what activities did you do? industry code (2-digit)
 8 s04a_q02   s04a_q02: how many month you do this activity?
 9 s04a_q03   s04a_q03: how many days per month?
10 s04a_q04   s04a_q04: how many hours per day?
11 s04a_q05   s04a_q05ru: where did you do this activity? R/U code
12 s04a_q_3   s04a_q05d: where did you do this activity? district code
13 s04a_q06   s04a_q06: what kind of activities?
14 s04a_q07   s04a_q07: what was your work status? agriculture
15 s04a_q08   s04a_q08: whats was your work status? non agri
16 idcode2   Id Code in 4B
17 s04b_q01   s04b_q01: were you paid on daily basis?
18 s04b_q02   s04b_q02_1: highest daily wage in cash?
19 s04b_q_1   s04b_q02_2: lowest daily wage in cash?
20 s04b_q_2   s04b_q02_3: average daily wage in cash?
21 s04b_q03   s04b_q03: Did you receive payments in-kind?
22 s04b_q04   s04b_q04: what type of item received in payment?
23 s04b_q05   s04b_q05kg: how much you received per day? KG

24 s04b_q_3 s04b_q05t: What was the total price received per day? taka
25 s04b_q06 s04b_q06: What type of org. you work for?
26 s04b_q07 s04b_q07: Gross monthly cash remuneration
27 s04b_q08 s04b_q08: Net cash/remuneration take-home monthly?
28 s04b_q09 s04b_q09: Other benefits you received in last 12 months?

rt004.dta
 1 psu psu
 2 hhold household
 3 enumber enterprise number
 4 s05a_q01 s05a_q01d: what kind of entreprise? description
 5 s05a_q_1 s05a_q01i: what kind of entreprise? industry
 6 s05a_q02 s05a_q02_1: ID of member who work in the enterprise?
 7 s05a_q_2 s05a_q02_2: ID of member who work in entreprise?
 8 s05a_q_3 s05a_q02_3: ID of member who work in an entreprise?
 9 s05a_q_4 s05a_q02_4: ID of member who work in an entreprise?
10 s05a_q_5 s05a_q02_5: ID of member who work in an entreprise?
11 s05a_q03 s05a_q03y: for how long has been operating? years
12 s05a_q_6 s05a_q03m: for how long has been operating? months
13 s05a_q04 s05a_q04: where do you operate the entreprise?
14 s05a_q05 s05a_q05: Months the enterprise was operational in the last 12 months?
15 s05a_q06 s05a_q06: what is houselhold's share in this entreprise?
16 s05a_q07 s05a_q07: what is the share of profit?
17 s05a_q08 s05a_q08_1: who are your costumers? 1st
18 s05a_q_7 s05a_q08_2: who are your costumers? 2nd
19 s05a_q09 s05a_q09: is the entreprise registred officially?
20 s05a_q10 s05a_q10_1: Source of finance when established? 1st
21 s05a_q_8 s05a_q10_2: Source of finance when established? 2nd
22 s05b_q11 s05b_q11: Number of salaried persons in the last 12 months
23 s05b_q12 s05b_q12_1: what problems faced in running your business? 1
24 s05b_q_1 s05b_q12_2: what problems faced in running your business? 2
25 s05b_q13 s05b_q13: gross revenues last 12m?
26 s05b_q14 s05b_q14: expenditures on salary/wages last 12m?
27 s05b_q15 s05b_q15: expenditure on rent last 12m?
28 s05b_q16 s05b_q16: expenditure on raw materials last 12m?
29 s05b_q17 s05b_q17: expenditure on fuel, kerosene, electricity.. last 12m?
30 s05b_q18 s05b_q18: value of finished good last 12m?
31 s05b_q19 s05b_q19: other operating expenses last 12m?
32 s05b_q20 s05b_q20: net revenues last 12m
33 s05b_q21 s05b_q21: expenditure on capital goods last 12m?
34 s05b_q22 s05b_q22: sale of assets last 12m?
35 s05b_q23 s05b_q23: What is the selling price of this entreprise?

rt005.dta
 1 psu psu
 2 hhold household
 3 shock_co shock code
 4 s06b_q02 s06b_q02: did you experience this shock?
 5 s06b_q03 s06b_q03: when did the shock first occur?
 6 s06b_q04 s06b_q04: how long did the shock last? (days)
 7 s06b_q05 s06b_q05a: was a decline in income?
 8 s06b_q_1 s06b_q05b: was a decline in assets?
 9 s06b_q_2 s06b_q05c: was a decline in food production?
10 s06b_q_3 s06b_q05d: was a decline in food purchased?

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11 s06b_q06   s06b_q06_1: how coped with this shock? 1st
12 s06b_q_4   s06b_q06_2: how coped with this shock? 2nd
13 s06b_q_5   s06b_q06_3: how coped with this shock? 3rd


###  rt006.dta  ###
 1 psu        psu
 2 hhold      household
 3 ln         line number
 4 crop_cod   crop code
 5 s07b_q02   s07b_q02: did you cultivate this crop?
 6 s07b_q03   s07b_q03: how much land you cultivated? decimals
 7 s07b_q04   s07b_q04k: how much crop produced? kg
 8 s07b_q_1   s07b_q04t: price of each KG? taka
 9 s07b_q05   s07b_q05: how much your household consumed?
10 s07b_q06   s07b_q06: how much your household sold?
11 s07b_q07   s07b_q07: how much your household stored?
12 s07b_q08   s07b_q08: how much given to landlord?
13 s07b_q_2   s07b_q08: how much paid for wages?
14 s07b_q_3   s07b_q08: how much used as seed?
15 s07b_q_4   s07b_q08: how much as feed for animals?
16 s07b_q_5   s07b_q08: how much waste?
17 s07b_q_6   s07b_q08: how much in other uses?
18 s07b_q_7   s07b_q08: how much in total?
19 price


###  rt007.dta  ###
 1 psu        psu
 2 hhold      household
 3 liv_code   livestock code
 4 s07c_q02   s07c_q02n: how many of them you have? number
 5 s07c_q_1   s07c_q02t: Total value of them? taka
 6 s07c_q03   s07c_q03n: how many born/purchased? number
 7 s07c_q_2   s07c_q03t: Total value of them? taka
 8 s07c_q04   s07c_q04n: how many died/sell? number
 9 s07c_q_3   s07c_q04t: Total value of them? taka
10 s07c_q05   s07c_q05n: how many household consume? number
11 s07c_q_4    Total value of them? taka


###  rt008.dta  ###
 1 psu        psu
 2 hhold      household
 3 prod_cod   product code
 4 s07c_q06   s07c_q06q: how much produced? quantity
 5 s07c_q_1   s07c_q06t: value? taka
 6 s07c_q07   s07c_q07q: how much did you sell? quantity
 7 s07c_q_2   s07c_q07t: value? taka
 8 s07c_q08   s07c_q08q: how much did you consume? quantity
 9 s07c_q_3   s07c_q08t: value? taka


###  rt009.dta  ###
 1 psu        psu
 2 hhold      household
```

```
 3 fish_act    code fishing
 4 s07c_q10    s07c_q10kg: how much you produce? kg
 5 s07c_q_1    value? taka
 6 s07c_q11    s07c_q11kg: how much your household sold? kg
 7 s07c_q_2    s07c_q11t: value? taka
 8 s07c_q12    s07c_q12kg: how much your household consumed? kg
 9 s07c_q_3     value? kg


###  rt010.dta  ###
 1 psu         psu
 2 hhold       household
 3 forestry    code forestry
 4 s07c_q14    s07c_q14n: how many trees? no.
 5 s07c_q_1    s07c_q14t: value? taka
 6 s07c_q15    s07c_q15: value of trees sold? taka
 7 s07c_q16    s07c_q16: value of trees consumed? taka


###  rt011.dta  ###
 1 psu         psu
 2 hhold       household
 3 ln          line number
 4 exp_agri     agric code of the sector
 5 s07d_q01    s07d_q01: did your household spend any money on...?
 6 s07d_q02    s07d_q02kg: how much your household spend? kg
 7 s07d_q_1    s07d_q02t: household spend? taka


###  rt012.dta  ###
 1 psu         psu
 2 hhold       household
 3 ln          line number
 4 agric_as    agricultural asset code
 5 s07e_q01    s07e_q01n: how many of them do you own? no.
 6 s07e_q_1    s07e_q01t: value? taka
 7 s07e_q02    s07e_q02n: how many your household bought? no.
 8 s07e_q_2    s07e_q02t: value? taka
 9 s07e_q03    s07e_q03n: how many your household sold? no.
10 s07e_q_3    s07e_q03t: value? taka
11 s07e_q04    s07e_q04: how much household earned from rental? taka


###  rt013.dta  ###
 1 psu         psu
 2 hhold       household
 3 migrant_    migrant number
 4 s08c_q03    s08c_q03: name    (deleted)
 5 s08c_q04    s08c_q04: relationship to head
 6 s08c_q05    s08c_q05m: how long ago did he/she migrate? months
 7 s08c_q_1    s08c_q05y: how long ago did he/she migrate? years
 8 s08c_q06    s08c_q06: where is working?
 9 s08c_q07    s08c_q07: in-country zila code
10 s08c_q08    s08c_q08: if abroad, write the country code
11 s08c_q09    s08c_q09: age
12 s08c_q10    s08c_q10: sex
```

13 s08c_q11 s08c_q11: level of education
14 s08c_q12 s08c_q12: occupation
15 s0bc_q13 s0bc_q13: how many times he/she sent money?
16 s08c_q14 s08c_q14: total amount of money sent?
17 s08c_q15 s08c_q15: how he/she sent money?
18 s08c_q16 s08c_q16_1: goods that he/she sent 1 (code)
19 s08c_q_2 s08c_q16_2: goods that he/she sent 2 (code)
20 s08c_q_3 s08c_q16_3: goods that he/she sent 3 (code)
21 s08c_q17 s08c_q17: total value of goods that he/she sent?

rt014.dta
 1 psu   psu
 2 hhold   household
 3 loan_num   loan number
 4 idcode   id code
 5 s08d_q05   s08d_q05: what was the source of this credit?
 6 s08d_q06   s08d_q06: how much money was borrowed?
 7 s08d_q07   s08d_q07: how long is the payment period?
 8 s08d_q08   s08d_q08m: interest applied per month
 9 s08d_q_1   s08d_q08y: interest applied per year
10 s08d_q09   s08d_q09f: how often you make payments? frequency
11 s08d_q_2   s08d_q09a: how often you make payments? amount
12 s08d_q10   s08d_q10: completed repayment?
13 s08d_q11   s08d_q11: amount of unpaid loan?
14 s08d_q12   s08d_q12: what was the purpose of loan?
15 s08d_q13   s08d_q13: would you like to borrow more money?
16 s08d_q14   s08d_q14: how much would you want to borrow?

rt015.dta
 1 psu   psu
 2 hhold   household
 3 ln   line number
 4 item   food item code
 5 s09a1d01   s09a1d01_qty: quantity
 6 s09a1d_1   s09a1d01_u: unit
 7 s09a1d_2   s09a1d01_v: value
 8 s09a1d_3   s09a1d01_s: major source
 9 s09a1d02   s09a1d02_qty: quantity
10 s09a1d_4   s09a1d02_u: unit
11 s09a1d_5   s09a1d02_v: value
12 s09a1d_6   s09a1d02_s: major source
13 s09a1d03   s09a1d03_qty: quantity
14 s09a1d_7   s09a1d03_u: unit
15 s09a1d_8   s09a1d03_v: value
16 s09a1d_9   s09a1d03_s: major source
17 s09a1d04   s09a1d04_qty: quantity
18 s09a1_10   s09a1d04_u: unit
19 s09a1_11   s09a1d04_v: value
20 s09a1_12   s09a1d04_s: major source
21 s09a1d05   s09a1d05_qty: quantity
22 s09a1_13   s09a1d05_u: unit
23 s09a1_14   s09a1d05_v: value
24 s09a1_15   s09a1d05_s: major source
25 s09a1d06   s09a1d06_qty: quantity

26 s09a1_16 s09a1d06_u: unit
27 s09a1_17 s09a1d06_v: value
28 s09a1_18 s09a1d06_s: major source
29 s09a1d07 s09a1d07_qty: quantity
30 s09a1_19 s09a1d07_u: unit
31 s09a1_20 s09a1d07_v: value
32 s09a1_21 s09a1d07_s: major source
33 s09a1d08 s09a1d08_qty: quantity
34 s09a1_22 s09a1d08_u: unit
35 s09a1_23 s09a1d08_v: value
36 s09a1_24 s09a1d08_s: major source
37 s09a1d09 s09a1d09_qty: quantity
38 s09a1_25 s09a1d09_u: unit
39 s09a1_26 s09a1d09_v: value
40 s09a1_27 s09a1d09_s: major source
41 s09a1d10 s09a1d10_qty: quantity
42 s09a1_28 s09a1d10_u: unit
43 s09a1_29 s09a1d10_v: value
44 s09a1_30 s09a1d10_s: major source
45 s09a1d11 s09a1d11_qty: quantity
46 s09a1_31 s09a1d11_u: unit
47 s09a1_32 s09a1d11_v: value
48 s09a1_33 s09a1d11_s: major source
49 s09a1d12 s09a1d12_qty: quantity
50 s09a1_34 s09a1d12_u: unit
51 s09a1_35 s09a1d12_v: value
52 s09a1_36 s09a1d12_s: major source
53 s09a1d13 s09a1d13_qty: quantity
54 s09a1_37 s09a1d13_u: unit
55 s09a1_38 s09a1d13_v: value
56 s09a1_39 s09a1d13_s: major source
57 s09a1d14 s09a1d14_qty: quantity
58 s09a1_40 s09a1d14_u: unit
59 s09a1_41 s09a1d14_v: value
60 s09a1_42 s09a1d14_s: major source
61 t   total indicator (auxiliary variable)
62 kcal   kcal per 100 gm or ml

rt016.dta
 1 psu   psu
 2 hhold   household
 3 ln   line number
 4 item   food item code
 5 s09b1w1_ s09b1w1_q: quantity
 6 s09b1w_1 s09b1w1_gm: unit
 7 s09b1w_2 s09b1w1_v: value
 8 s09b1w_3 s09b1w1_m: major source
 9 s09b1w2_ s09b1w2_q: quantity
10 s09b1w_4 s09b1w2_gm: unit
11 s09b1w_5 s09b1w2_v: value
12 s09b1w_6 s09b1w2_m: major source
13 kcal   kcal per 100 gm or ml

rt017.dta

```
 1 psu        psu
 2 hhold      household
 3 ln         line number
 4 item       non-food item code
 5 s09c1_q0   s09c1_q01: value of goods received wage/cash?
 6 s09c1__1   s09c1_q02: value of goods produced/gifts?
 7 s09c1__2   s09c1_q03: sum of col.1 & 2


###  rt018.dta  ###
 1 psu        psu
 2 hhold      household
 3 ln         line number
 4 item       non-food item code
 5 s09d1_q0   s09d1_q01: how many did you buy/produce/receive?No.
 6 s09d1__1   s09d1_q02: what is the value?


###  rt019.dta  ###
 1 psu        psu
 2 hhold      household
 3 ln         line number
 4 item       non-food item code
 5 s09d2_q0   s09d2_q01: what is the value?


###  rt020.dta  ###
 1 psu        psu
 2 hhold      household
 3 ln         line number
 4 dg_code    durable good code
 5 s09e_q01   s09e_q01: owns item?
 6 s09e_q02   s09e_q02: how many do you own?
 7 s09e_q03   s09e_q03: Expected value if want to sell
 8 s09e_q04   s09e_q04: how much did it cost (if bought past 12m)



### incexp ###
1      hhid
2    region
3  urbanrur
4       wgt
5     inc8e                              Other income
6     inc4b                               Wage income
7      inc5                           Business income
8     inc9d                              Imputed rent
9     inc7b                              Crop product
10   inc7c1                          Livestock product
11   inc7c2                            Fishery product
12   inc7c3                           Forestry product
13    inc7d                                  Agri cost
14    inc7e                             Earn from rent
15    inc8c                                 Renittance
16    ttinc                              Total income
17       g1                             1 Food grains
```

18	g2	2 Pulses
19	g3	3 Fish
20	g4	4 Eggs
21	g5	5 Meat
22	g6	6 Vegetables
23	g7	7 Milk & Daily
24	g8	8 Sweetmeat
25	g9	9 Oil & Fats
26	g10	10 Fruits
27	g11	11 Drinks
28	g12	12 Sugar & molasses
29	g13	13 Miscellaneous Food
30	g14	14 Dining out
31	g15	15 Tobacco & tobacco produts
32	g16	16 Spices
33	g17	17 Betel leaf & Chewgoods
34	g18	18 Fuel & lighting
35	g19	19 Cosmetics & other expenses
36	g20	20 Washing & cleaning expenses
37	g21	21 Transport/travel & other misc. charges
38	g22	22 Ready-made garments
39	g23	23 Clothing material & tailoring
40	g24	24 Footwear
41	g25	25 Household-use textiles, etc.
42	g26	26 Housing related expenses
43	g27	27 Medical treatment expenses (male)
44	g28	28 Medical treatment expenses (female)
45	g29	29 Educatonal expenses (male)
46	g30	30 Educational expenses (female)
47	g31	31 Remittances, ceremonies, gift, etc.
48	g32	32 Recreation & leisure, etc.
49	g33	33 Taxes, interest, fines, etc.
50	g34	34 Cooking equipent
51	g35	35 Furniture & related paraphernalia
52	g36	36 Personal articles
53	g37	37 Misc. household durable
54	g38	38 Insurance expenditure
55	dg	dg Durable goods
56	ttexp	Total expenditure
57	food	Total food