

Users' Manual for Handling Resampled Micro Data of
Cambodia Socio-Economic Survey (CSES)
CSES 2009

Version 2.0

2016
The Institute of Statistical Mathematics (ISM)
and
Statistical Information Institute for Consulting and Analysis (SINFONICA)

History of revision of the manual

- ☐ Second version 2.0 in March 2016
 - Totally revised based on the discussion during the seventh workshop in December 2015
- ☐ First draft version 1.0 in December 2015

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Chapter 1. About this Manual

1. This manual was prepared for users to use the next 80% resampled micro data sets of Cambodia Socio-Economic Survey 2009.

80% resampled micro data set (44 files)	
In CSV format	
[1] "dy_expenditure_80.csv"	"dy_income_80.csv"
[3] "hhexp_80.csv"	"IncomeCSES09_80.csv"
[5] "s01a_hhmembers_80.csv"	"s01b_foodconsumption_80.csv"
[7] "s01c_nonfoodexpenses_80.csv"	"s01d_vulnerability_80.csv"
[9] "s02_education_80.csv"	"s03a_migration_past_80.csv"
[11] "s03b_migration_current_80.csv"	"s04_housing_80.csv"
[13] "s05a_landown_80.csv"	"s05b_cropsproduction_80.csv"
[15] "s05c_costcrops_80.csv"	"s05d_cropsinventory_80.csv"
[17] "s05e1_animals_80.csv"	"s05e2_animalsexpenditures_80.csv"
[19] "s05f1_fisharea_80.csv"	"s05f2_fishexpenses_80.csv"
[21] "s05f3_fishincome_80.csv"	"s05g1_forestincome_80.csv"
[23] "s05g2_forestexpenses_80.csv"	"s05h1_bussiness_80.csv"
[25] "s05h2_bussinessexpenses_80.csv"	"s05h3_bussinessincome_80.csv"
[27] "s06_liabilities_80.csv"	"s07_incomeother_80.csv"
[29] "s08_construction_80.csv"	"s09_durables_80.csv"
[31] "s10_healthmother_80.csv"	"s11_health2years_80.csv"
[33] "s12_health5years_80.csv"	"s13b_healthexpenses_80.csv"
[35] "s14_disability_80.csv"	"s15_labor7days_80.csv"
[37] "s16_labor12months_80.csv"	"s17b_theft_80.csv"
[39] "s17c_accidents_80.csv"	"s17d_violence_80.csv"
[41] "s18_presenseinhh_80.csv"	"s99_singlequestions_80.csv"
[43] "weighthh_80.csv"	"weightpersons_80.csv"
In R format	
[1] "dy. expenditure. 80"	"dy. income. 80"
[3] "hhexp. 80"	"IncomeCSES09. 80"
[5] "s01a. hhmembers. 80"	"s01b. foodconsumption. 80"
[7] "s01c. nonfoodexpenses. 80"	"s01d. vulnerability. 80"
[9] "s02. education. 80"	"s03a. migration. past. 80"

[11] "s03b.migration.current.80"	"s04.housing.80"
[13] "s05a.landown.80"	"s05b.cropsproduction.80"
[15] "s05c.costcrops.80"	"s05d.cropsinventory.80"
[17] "s05e1.animals.80"	"s05e2.animalsexpenditures.80"
[19] "s05f1.fisharea.80"	"s05f2.fishexpenses.80"
[21] "s05f3.fishincome.80"	"s05g1.forestincome.80"
[23] "s05g2.forestexpenses.80"	"s05h1.bussiness.80"
[25] "s05h2.bussinessexpenses.80"	"s05h3.bussinessincome.80"
[27] "s06.liabilities.80"	"s07.incomeother.80"
[29] "s08.construction.80"	"s09.durables.80"
[31] "s10.healthmother.80"	"s11.health2years.80"
[33] "s12.health5years.80"	"s13b.healthexpenses.80"
[35] "s14.disability.80"	"s15.labor7days.80"
[37] "s16.labor12months.80"	"s17b.theft.80"
[39] "s17c.accidents.80"	"s17d.violence.80"
[41] "s18.presenseinh.80"	"s99.singlequestions.80"
[43] "weighthh.80"	"weightpersons.80"

2. The original micro data sets composed of all the samples of CSES were provided by National Institute of Statistics (NIS), Cambodia in 2014 based on the Charter for Experimental Laboratory for Research Purpose Statistical Use of Micro Data, and resampled at the rate of 80% by Sinfonica.
3. The above resampled data sets are available through the Institute of Statistical Mathematics (ISM) both in CSV and R format.

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

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Chapter 2. Outline of CSES 2009

Summary

Objectives of the survey	The main objective of the survey is to collect statistical information about the living conditions of the Cambodian population and the extent of poverty. The survey results can be used for identifying problems and making decisions based on statistical data.
Topics covered by the survey	<p>The household questionnaire covered the following topics;</p> <ul style="list-style-type: none"> ● Demographic characteristics of household's members ● Household income ● Household expenditure ● Durable goods ● Education ● Migration ● Housing ● Health ● Disability ● Economic activity / Employment ● Assets, housing and facilities ● Participation in hungry elimination and poverty reduction
Frequency of the survey	<p>Annually since 2007.</p> <p>CSES 2004 and CSES 2009 were large sample surveys (12,000 households), whereas the years between have small samples (about 3,600 households).</p>
Survey period	<ul style="list-style-type: none"> ● The annual sample was divided into 12 monthly samples. Data collection was carried out from January 2009 to December 2009. ● For a household, survey period was one month. Recall data on income and expenditure was collected in the household questionnaire. Reference period of food was 7 days. That of non-food was from a month to 12 months depending on items. Also, the diary questionnaire on income and expenditure was requested to record during the survey month.
Coverage of the survey	<ul style="list-style-type: none"> ● Geographically, the survey covered the whole country. Cambodia consisted of 24 provinces. ● Private households with one or more persons, including nomadic households. Institutional households such as long term hospitals, prisons, monasteries, military quarters were excluded.

Sample design	<ul style="list-style-type: none"> ● Three-stage stratified sample selection Sampling frame: General Population Census 2008 for sampling of villages (14,073 villages) Strata: province and urban/rural (48 strata) PSU: 720 villages were selected using PPS. SSU: one EA was selected in each village. In a few large villages more than one EA were selected. FSU: In each selected EA, 10 households were selected in urban and 20 households in rural. ● Sample size In total 12,000 households ● Response rate Almost a 100 percent response rate. The number of household responded was 11,971.
Weight	<ul style="list-style-type: none"> ● Two kind of weights: household weight and person weight
Data collection method	<ul style="list-style-type: none"> ● Face to face ● In total 50 teams for field work. A team consisted of a supervisor and four interviewers. Each interviewer was in charge of 10 household during each month. ● During a survey month, different questions were asked during the first visit and in the following four weeks.
Data entry and data check	<ul style="list-style-type: none"> ● Supervisors from the field delivered questionnaires to NIS. Data editing and coding was implemented in NIS. ● Data entry and data processing was carried out using new CSES database system developed in-house.
Publication and dissemination	<ul style="list-style-type: none"> ● Preliminary results from CSES 2009 were presented at a seminar in October 2010. The first report in December 2010. ● Reports and tables are available at NIS website. Metadata is also available at NADA.

The below mainly describes on CSES 2007 to 2012.

3.1 Background of the survey

The Cambodia Socio-Economic Survey (CSES) has been conducted by the national Institute of Statistics (NIS) intermittently in the period 1993 to 2004. Since 2007 NIS conducts the CSES annually. The 2004 and 2009 were large sample surveys (12,000 households), whereas the years between have small samples (about 3,600 households).

CSES asks questions to a country wide sample of households and household members about housing conditions, education, economic activities, household production and income, household level and structure of composition, health, victimization, etc. There are also questions related to people in the labour force.

The data from the CSES provide important information about living conditions in Cambodia and have a wide range of use. Poverty reduction is a major commitment by the Government of Cambodia. Accurate statistical information about the living standards of the population and the extent of poverty is an essential instrument to assist the Government in diagnosing the problems, in designing effective policies for reducing poverty and in monitoring and evaluating the progress of poverty reduction.

Cambodia is still a predominant rural and agricultural society. The vast majority of the population get their subsistence in households as self-employed in agriculture. The level of living is determined by the household's command over labour and resources for own-production in terms of land and livestock for agricultural activities, equipments and tools for fishing, forestry and construction activities and income-earning activities in the informal and formal sector. The CSES aims to estimate household income and consumption/expenditure as well as a number of other household and individual characteristics.

3.2 Objectives of the survey

The main objective of the survey is to collect statistical information about living conditions of the Cambodian population and the extent of poverty. The survey can be used for identifying problems and making decisions based on statistical data.

3.3 Topics covered by the survey

The earlier CSES rounds have all made it possible to report sets of indicators on eight main areas of social concern;

- Demographic characteristics
- Housing
- Agriculture
- Education
- Labour force
- Health and nutrition
- Victimization
- Household income and consumption

These eight areas were also covered by corresponding modules in the CSES 2009. The household questionnaire is basically the same as before. There are some changes though, mostly minor except for the questions on current economic activity. In CSES 2010 some changes have been introduced in the household questionnaire.

3.4 Coverage of the survey

2.3.1 The CSES covers the whole country.

2.3.2 Target population

The target population for CSES is all “normal” households in Cambodia. The term normal is defined in the Population Census 2008 as households that are not institutional households, homeless households, boat population households or households of transient population.

(Institutional households are boarding houses, military barracks, prisons, student dormitories, etc.)

2.5 Sample design: three-stage stratified design

The sampling design of CSES is a three-stage design with villages, enumeration areas and households as sampling units in each stage.

In large sample year, that is, 2004 and 2009, the survey is aimed for estimates of smaller domains, but during the small sample years it is aimed for estimates on national level and large domains such as the capital Phnom Penh and other urban and other rural areas.

Stage1:

PSU (Primary sampling unit): village

Sampling frame: Preliminary data from the General Population Census 2008 was used to construct the CSES 2009 sampling frame for the first stage sampling. All villages except ‘special settlements’ were included in the frame. In all, the first stage sampling frame of villages consisted of 14,073 villages.

Stratification: province and urban/rural

In total there are 48 strata. Each stratum of villages was sorted by district, commune and village code.

Definition of urban and rural

In 2008 Census, the following criteria was applied for every commune to treat as urban;

- a) Population density exceeding 200 per km²
- b) Percentage of male employment in agriculture below 50 percent
- c) Total population of the commune should exceed 2,000

Allocation of the sample over strata: For CSES 2009 survey it was decided to have a sample of 720 villages. Total sample size was divided into two; one sample size for urban villages and the other for rural villages. The calculation of the sample size for urban and rural area were done using the proportion of consumption in the two parts of the population. Data on consumption from CSES 2007 survey was used.

Note: The sample design for CSES 2010 is basically the same as the CSES 2009 design. For the 2010 survey a subsample of 360 EAs (stage 2 units) was selected from the CSES 2009 sample of 720 EAs. The selection was done by SRS(simple random sampling) within strata.

	Total	Urban	Rural
CSES 2009	720 villages	240	480
CSES 2010	360	136	224

The allocation of urban and rural sample size over provinces was done so that each province got its proportional share (approximately) of the sample.

Sample selection: A random sample of villages was selected from each stratum. The sampling method was “without replacement systematic sampling with probabilities proportional to size”. The size measure used was the number of households in the village according to the sampling frame. The selection of villages was done at NIS.

Stage 2:

SSU (Secondary sampling unit): EA

Sample selection: One EA was selected by SRS, in each village selected in stage 1. In a few large villages more than one EA was selected. The selection was done at NIS.

Stage 3:

FSU (Final sampling unit): Household

Sample selection: For CSES 2009, in each selected EA a sample of 10 households (urban villages) or 20 households (rural villages) was selected. The selection of households was done in the field. All households in selected EAs were listed by the enumerator. The sample of households was then selected from the list by systematic sampling with a random start (the start value controlled by NIS). The sampling resulted in a sample of 12,000 households, 2,400 urban and 9,600 rural households.

For CSES 2010 only 10 households are selected in each rural EA, as compared to 20 households in 2009. In urban areas 10 households were selected, just as in 2009.

The sampling resulted in a sample of 3,600 households, 1,360 urban households and 2,240 rural households.

	CSES 2009			CSES 2010		
	Total	Urban	Rural	Total	Urban	Rural
Number of selected EAs	720	240	480	360	136	224
Number of households per EA		10	20		10	10
Number of sample households	12,000	2,400	9,600	3,600	1,360	2,240

2.6 Sampling weights

The sampling weights were calculated in two steps;

Step1: Preliminary weights

The probability of being selected to the sample was calculated for each household, giving the preliminary sampling weight as the ratio $1/\text{probability}$ (=inverse to the probability).

Step2: Final weights

The probability sampling weights were added over all sample households within each stratum. The sum of the weights is an estimate of the total number of households in the stratum. This estimate was compared to the number of households according to demographic projections based on the 2008 Population Census. The preliminary sampling weights were then ‘calibrated’ so that the sum of the weights should agree with the demographic projections.

Remarks: Response rate

According to the description of NADA, the CSES enjoyed almost a 100 percent response rate. The high response rate together with close and systematic fieldwork supervision by the core group members were a major contribution for achieving high quality survey results.

Household weight and individual weight?

2.7 Quality of the estimates from CSES

2.7.1 Standard errors or confidence intervals are presented for some important estimates in the technical section as well as appendix 1 in the CSES 2010 report. The standard errors have been calculated by the Taylor linearization method.

<table>

2.7.2 NIS has not published household income statistics from CSES from 1999 to 2008 due to the insufficient quality of survey data collection on income. It was published in 2009 and onwards. There are a lot of challenges in estimation of household income data, i.e. households with observed negative income, extreme values, missing values, and so forth. This was discussed in the paper on “Estimation and Quality of Household Income Data From Cambodian Socio-Economic Survey (CSES)” by Nor Vanndy, NIS.

2.8 Data collection method

Data collection mode: Face to face

Questionnaire:

Three different questionnaires or forms were used in the survey.

Form 1: Household listing sheets to be used in the sampling procedure in the enumeration areas.

Form 2: Village questionnaire answered by the village leader about economy and infrastructure, crop production, health, education, retail prices and sales prices of agriculture, employment and wages, and recruitment of children for work outside the village.

Form 3: Household questionnaire with questions for each household member, including modules on migration, education and literacy, housing conditions, crop production, household liabilities, durable goods, construction activities, nutrition, fertility and child care, child feeding and vaccination, health of children, mortality, current economic activity, health and illness, smoking, HIV/AIDS awareness and victimization.

Data collection dates:

The fieldwork started in January of the survey year and ended in December of the survey year.

Field work:

(For CSES 2012)

Interviewers and supervisors were initially divided into teams of five persons (one supervisor and four interviewers), making in total 50 teams for the field work. Each month, 25 teams were working in the field with a workload of 10 households per interviewer. In urban area, 4 PSUs were allocated to one team while in rural areas, 2 PSUs were allocated. The fieldwork plan was designed in order to gather around 60 households monthly per team.

For a given month, the team arrived in the village three days before the first day of the month to tend to preparatory tasks like discussing with village authorities, filling out the Household Listing Form, and thereafter sample those households to be interviewed.

The Village Form was filled out by the supervisor.

The Household Questionnaire had 16 sections that were filled out by the interviewer during the first visit to the household, and in the following four weeks according to the following scheme;

FIRST VISIT: Initial visit

WEEK 1: Education and literacy, Housing

WEEK 2: Household economic activities, Household liabilities, Household income from other sources, and other expenditures (partial non-food recall)

WEEK 3: Durable goods and other expenses, Construction activities in the past 12 months, Nutrition, Fertility and child care, Mortality

WEEK 4: Health check of children, Current economic activity, Health, HIV/AIDS, Victimization

Once the month ended, the team went back to the NIS headquarters in Phnom Penh. Questionnaires from the same PSU was delivered to the Data management team by the supervisor in a packet including all of the documents used and produced in the fieldwork, including maps, enumeration lists, questionnaires, diaries, etc.

Fifty (50) supervisors and 200 enumerators were recruited by NIS and trained for the fieldwork. The training took place in Phnom Penh and lasted three weeks for supervisors and two weeks for enumerators. Before the start of each fieldwork month, there were briefing and retraining sessions. Each fieldwork team included one supervisor and four enumerators. *In urban areas one enumerator was responsible for one PSU and for interviewing 10 households, while in rural areas two enumerators were responsible for one PSU and for interviewing 20 households.* In all, 125 enumerators and supervisors, divided into 25 teams, were carrying out the fieldwork at the same time. Two such team groups were formed and each team group alternated monthly.

2.9 Data processing

The NIS team commenced their work of checking and coding in beginning of February after the first month of fieldwork was completed. Supervisors from the field delivered questionnaires to NIS. SIDA project expert and NIS Survey manager helped in solving relevant matters that become apparent when reviewing questionnaires on delivery.

In late 2006 and beginning of 2007 a new system for data processing and storage were introduced for the Cambodia Socio-Economic Survey (CSES). It includes a relational database system for storing CSES data in SQL format and application framework developed in-house for data-entry. Since NIS staff already was familiar with Visual Basic and Microsoft SQL Server data base software the transition from previous data processing was also implemented to host the new CSES system and facilitate for concurrent data-entry.

The application and storage platform developed in 2006 and supervised by Statistics Sweden consultancy has since been used consecutively for all CSES data processing from 2007 and onwards.

Chapter 3. Data and metadata provided

CSES 2009 micro data sets were provided to Sinfonica three times in 2011, 2014 and 2015 by NIS on the occasion of JICA project team's visiting Cambodia.

The contents of each data set differs as in the following tables.

The findings are;

- 1) Data set provided in 2014 is a part of data set provided in 2015.
- 2) Micro data of Village questionnaire is only in data set provided in 2011.
- 3) Micro data of Diary sheet is only in data set provided in 2011. On the other, Diary data in data sets provided in 2014 and 2015 is not a raw data but an aggregated household-level data.
- 4) So-called Codebook is not provided.

However, the most important is that the values of some variables, especially income variables, of data files are slightly different. It means that the latest files reflects the latest revision of data. So, we decided to use the latest files which were provided on the occasion of the seventh international workshop of micro data database in December 2015.

Data set provided in 2011

◆ Household data in SPSS format

File names in SPSS format (47 files)	
[1] "AreaInfo. sav"	"DiaryExpenditure. sav"
[3] "DiaryExpenditure1. sav"	"DiaryExpenditure2. sav"
[5] "DiaryExpenditure3. sav"	"DiaryExpenditure4. sav"
[7] "DiaryIncome. sav"	"HHConstruction. sav"
[9] "HHCostCultivationCrops. sav"	"HHDurableGoods. sav"
[11] "HHFishCultivation1. sav"	"HHFishCultivation2. sav"
[13] "HHFishCultivation3. sav"	"HHFoodConsumption. sav"
[15] "HHForestryHunting1. sav"	"HHForestryHunting2. sav"
[17] "HHHousing. sav"	"HHIncomeOtherSource. sav"
[19] "HHInventoryCrops. sav"	"HHLandOwnership. sav"
[21] "HHLiabilities. sav"	"HHLivestock1. sav"
[23] "HHLivestock2. sav"	"HHMembers. sav"

[25]	"HHNonAgriculture1.sav"	"HHNonAgriculture2.sav"
[27]	"HHNonAgriculture3.sav"	"HHOtherInfo.sav"
[29]	"HHProductionCrops.sav"	"HHRecallNonFood.sav"
[31]	"HHVulnerability.sav"	"PersonAccidents.sav"
[33]	"PersonDisability.sav"	"PersonEcoCurrent.sav"
[35]	"PersonEcoUsual.sav"	"PersonEducation.sav"
[37]	"PersonHealthU2.sav"	"PersonHealthU5.sav"
[39]	"PersonIllness.sav"	"PersonMaternalHealth.sav"
[41]	"PersonMigrationCurrent.sav"	"PersonMigrationPast.sav"
[43]	"PersonPresence.sav"	"PersonTheft.sav"
[45]	"PersonViolence.sav"	"WEIGHTHouseholds.sav"
[47]	"WEIGHTPersons.sav"	

◆ Village data in SPSS format

File names in SPSS format (14 files)		
[1]	"DemograpInfo.sav"	"EcoInfrastructure.sav" "Education.sav"
[4]	"Employment.sav"	"FoodPrices.sav" "Health.sav"
[7]	"Medical.sav"	"MedicinePrices.sav" "NonFoodItems.sav"
[10]	"RainfallDisaster.sav"	"Recruitment.sav" "RentalPrices.sav"
[13]	"Resources.sav"	"SalesPrices.sav"

◆ Metadata

"CSES 2009 Diary ENG_Final.xls"	Diary questionnaire
"CSES2009 ENG Village_Final_010709.xls"	Village questionnaire
"CSES2009 ENG.xls"	Household questionnaire
"CSES2009 field manuals ENG_Final.DOC"	Enumerators' manual
"Tech_CSES2009.doc"	Technical manual

Data set provided in 2014

◆ Household data in STATA format

File names in STATA format (42 files)	
[1] "areainfo. dta"	"S01-17_hhotherinfo. dta"
[3] "S01A_hhmembers. dta"	"S01B_hhfoodconsumption. dta"
[5] "S01C_hhrecallnonfood. dta"	"S02_personeducation. dta"
[7] "S03A_personmigrationpast. dta"	"S03B_personmigrationcurrent. dta"
[9] "S04_hhhousing. dta"	"S05A_hhlandownership. dta"
[11] "S05B_hhproductioncrops. dta"	"S05C_hhcostcultivationcrops. dta"
[13] "S05D_hhinventorycrops. dta"	"S05E1_hhlivestock1. dta"
[15] "S05E2_hhlivestock2. dta"	"S05F1_hhfishcultivation1. dta"
[17] "S05F2_hhfishcultivation2. dta"	"S05F3_hhfishcultivation3. dta"
[19] "S05G_hhforestryhunting2. dta"	"S05G2_hhforestryhunting1. dta"
[21] "S05H1_hhnonagriculture1. dta"	"S05H2_hhnonagriculture2. dta"
[23] "S05H3_hhnonagriculture3. dta"	"S06_hhliabilities. dta"
[25] "S07_hhincomeothersource. dta"	"S08_hhconstruction. dta"
[27] "S09_hhdurablegoods. dta"	"S10_personmaternalhealth. dta"
[29] "S11_personhealthu2. dta"	"S12_personhealthu5. dta"
[31] "S13_personillness. dta"	"S14_persondisability. dta"
[33] "S15_personecocur. dta"	"S16_personecousu. dta"
[35] "S17B_persontheft. dta"	"S17C_personaccidents. dta"
[37] "S18_personpresence. dta"	"weighthouseholds. dta"
[39] "weighthouseholds_area. dta"	"weightpersons. dta"
[41] "Yearly_hhexpnditure. dta"	"Yearly_hhincome. dta"

◆ Metadata

"CSES2009 Diary Questionnaire ENG.xls"	Diary questionnaire
"CSES2009 HH Questionnaire ENG.xls"	Household questionnaire

Data set provided in 2015

◆ Household data in STATA format

File names in STATA format (42 files)	
[1] "areainformation. dta"	"hhweight. dta"

[3] "hhweight_area.dta"	"persweight.dta"
[5] "S01-17_hhotherinfo.dta"	"S01A_hhmembers.dta"
[7] "S01B_hhfoodconsumption.dta"	"S01C_hhrecallnonfood.dta"
[9] "S02_personeducation.dta"	"S03A_personmigrationpast.dta"
[11] "S03B_personmigrationcurrent.dta"	"S04_hhhousing.dta"
[13] "S05A_hhlandownership.dta"	"S05B_hhproductioncrops.dta"
[15] "S05C_hhcostcultivationcrops.dta"	"S05D_hhinventorycrops.dta"
[17] "S05E1_hhlivestock1.dta"	"S05E2_hhlivestock2.dta"
[19] "S05F1_hhfishcultivation1.dta"	"S05F2_hhfishcultivation2.dta"
[21] "S05F3_hhfishcultivation3.dta"	"S05G_hhforestryhunting2.dta"
[23] "S05G2_hhforestryhunting1.dta"	"S05H1_hhnonagriculture1.dta"
[25] "S05H2_hhnonagriculture2.dta"	"S05H3_hhnonagriculture3.dta"
[27] "S06_hhliabilities.dta"	"S07_hhincomeothersource.dta"
[29] "S08_hhconstruction.dta"	"S09_hhdurablegoods.dta"
[31] "S10_personmaternalhealth.dta"	"S11_personhealthu2.dta"
[33] "S12_personhealthu5.dta"	"S13_personillness.dta"
[35] "S14_persondisability.dta"	"S15_personecocur.dta"
[37] "S16_personecousu.dta"	"S17B_persontheft.dta"
[39] "S17C_personaccidents.dta"	"S18_personpresence.dta"
[41] "Yearly_hhexpenditure.dta"	"Yearly_hhincome.dta"

◆ Metadata

"CSES 2009 Diary Questionnaire ENG.xls"	Diary questionnaire
"CSES2009 Village Questionnaire ENG.xls"	Village questionnaire
"CSES2009 HH Questionnaire ENG with variable and file names.xls"	Household questionnaire with variable names
"CSES2009 Field Manual ENG.DOC"	Enumerators' manual
"2007 Continuous household surveys in Cambodia.doc"	Sampling issues in a continuous Cambodian socio-economic survey

Data set provided on the occasion of the seventh workshop in December 2015

◆ Household data in STATA format

File names in STATA format (44 files)	
[1] "09dy_expenditure.dta"	"09dy_income.dta"
[3] "09hh_s01a_hhmembers.dta"	"09hh_s01b_foodconsumption.dta"
[5] "09hh_s01c_nonfoodexpenses.dta"	"09hh_s01d_vulnerability.dta"
[7] "09hh_s02_education.dta"	"09hh_s03a_migration_past.dta"
[9] "09hh_s03b_migration_current.dta"	"09hh_s04_housing.dta"
[11] "09hh_s04_housingpractice.dta"	"09hh_s05a_landown.dta"
[13] "09hh_s05b_cropsproduction.dta"	"09hh_s05c_costcrops.dta"
[15] "09hh_s05d_cropsinventory.dta"	"09hh_s05e1_animals.dta"
[17] "09hh_s05e2_animalsexpenditures.dta"	"09hh_s05f1_fisharea.dta"
[19] "09hh_s05f2_fishexpenses.dta"	"09hh_s05f3_fishincome.dta"
[21] "09hh_s05g1_forestincome.dta"	"09hh_s05g2_forestexpenses.dta"
[23] "09hh_s05h1_bussiness.dta"	"09hh_s05h2_bussinessexpenses.dta"
[25] "09hh_s05h3_bussinessincome.dta"	"09hh_s06_liabilities.dta"
[27] "09hh_s07_incomeother.dta"	"09hh_s08_construction.dta"
[29] "09hh_s09_durables.dta"	"09hh_s10_healthmother.dta"
[31] "09hh_s11_health2years.dta"	"09hh_s12_health5years.dta"
[33] "09hh_s13b_healthexpenses.dta"	"09hh_s14_disability.dta"
[35] "09hh_s15_labor7days.dta"	"09hh_s16_labor12months.dta"
[37] "09hh_s17b_theft.dta"	"09hh_s17c_accidents.dta"
[39] "09hh_s17d_violence.dta"	"09hh_s17d_violence.dta"
[41] "09hh_s18_presenseinhh.dta"	"09hh_s99_singlequestions.dta"
[43] "09hz_weighthh.dta"	"09hz_weightpersons.dta"


◆ Summary data related income and expenditure in STATA format


"IncomeCSES09.dta"	Household-level income summary data
"ExpenditureCSES09.dta"	Expenditure data by item and household
"Per capita Consumption ExpenditureCSES09.dta"	Household-level expenditure summary data

◆ Information on Income and expenditure composition

"Income_Composition_CSES2009.doc"	
"Clarification to HH Income analysis.doc"	
"Expenditure composition CSES2009.doc"	

❑ Other metadata available on the web

NIS Homepage	http://www.nis.gov.kh/index.php/en/find-statistic/publications/reports/cses-reports.html (Accessed on 15 April 2015)
	<p>CSES survey reports in English are available.</p> 
NADA (National Data Archives)	http://nada.nis.gov.kh/index.php/catalog/11 (Accessed on 15 April 2015)
	<p>Study description, survey report and other metadata are available.</p> 

IHSN	http://catalog.ihsn.org/index.php/catalog/81 (Accessed on 15 April 2015)
	<ul style="list-style-type: none"> ● Almost same as NADA ● Household questionnaire, diary questionnaire and village questionnaire in English are available in pdf. ● “Field operation manual for interviewer and supervisor” (in English) is available. 

Chapter 4. Data Import

4.1 Data file structure

- Structure of data files and the correspondence with sections of the questionnaire are shown in the next table.

No	Data file		Corresponding section of the questionnaire	Unit	Cases	Variables
1	09dy_expenditure		Diary questionnaire_Household expenditures and consumption of own-produced	HH / date/ item	2620999	23
2	09dy_income		Diary questionnaire_Household income and receipts	HH / date/ item	878912	23
3	S01A_hhmembers	1A	List of household members	Person	57105	20
4	S01B_foodconsumption	1B	Food consumption	HH / item	143921	16
5	S01C_nonfoodexpenses	1C	Recall non-food expenditure	HH / item	86155	16
6	S01D_vulnerability	1D	Vulnerability	HH	11980	27
7	S02_education	2	Education and literacy	Person	53647	37
8	S03A_migration_past	3A	Past migration	Person	51275	35
9	S03B_migration_current	3B	Current migration	Person	8049	28
10	S04_housing	4	Housing	HH	11970	66
11	S04_housingpractice	4	Housing	HH	11971	49
12	S05A_landown	5A	Land ownership	HH / plot	16458	45
13	S05B_cropsproduction	5B	Production of crops	HH/plot/crop	17773	23
14	S05C_costcrops	5C	Cost of cultivationof crops	HH / plot	16911	29
15	S05D_cropsinventory	5D	Inventory of crops	HH / crop	7308	16
16	S05E1_animals	5E	Inputs and outputs of livestock and poultry raising activities	HH / livestock	84350	26
17	S05E2_animalsexpenditures			HH / item	14486	14
18	S05F1_fisharea	5F	Inputs and outputs from fish cultivation and fishing/trapping of aquaticproducts	HH / pond	227	17
19	S05F2_fishexpenses			HH / item	7853	14
20	S05F3_fishincome			HH / item	12364	14
21	S05G1_forestincome	5G	Inputs and outputs from forestry and hunting	HH / item	5928	14
22	S05G2_forestexpenses			HH / product	19398	17
23	S05H1_bussiness	5H	List of household non-agricultural economic activities	HH / activity	4843	23
24	S05H2_bussinessexpenses			HH / cost	15720	18
25	S05H3_bussinessincome			HH / revinue	5360	18

26	S06_liabilities	6	Household liabilities	HH / loan	4732	20
27	S07_incomeother	7	Household income from other sources	HH / source	6862	16
28	S08_construction	8	Construction activities	HH / building	11322	35
29	S09_durables	9	Durable goods	HH / item	93366	22
30	S10_healthmother	10	Maternal health	Person	4447	34
31	S11_health2years	11	Child health	Person	2357	40
32	S12_health5years	12	Health check of children under 5	Person	5617	29
33	S13B_healthexpenses	13	Health care seeking and expenditure	Person	57082	26
34	S14_disability	14	Disability	Person	57082	27
35	S15_labor7days	15	Current economic activity	Person	51460	49
36	S16_labor12months	16	Usual economic activity	Person	51460	23
37	S17B_theft	17	Victimization	Person	328	22
38	S17C_accidents			Person	654	20
39	S17D_violence			Person	57074	26
40	S17D_violence			Person	57074	26
41	S18_presenseinhh	18	Summary of presence in the household	Person	57074	31
42	S99_singlequestions		Questions from various sections	HH	11971	31
43	weighth ²⁾		Household weights	HH	11971	11
44	weightpersons ²⁾		Person weights	Person	57105	12
45	IncomeCSES09		Household summary of income	HH	11971	103

No	Data file	Corresponding section of the questionnaire		Unit	Cases
1	areainfo		Cover	PSU	720
2	S01-17_hhotherinfo		Questions from various sections	HH	11971
3	S01A_hhmembers	1A	List of household members	Person	57105
4	S01B_hhfoodconsumption	1B	Food consumption	HH / item	143921
5	S01C_hhrecallnonfood	1C	Recall non-food expenditure	HH / item	86155
6	S02_personeducation	2	Education and literacy	Person	53647
7	S03A_personmigrationpast	3A	Past migration	Person	51275
8	S03B_personmigrationcurrent	3B	Current migration	Person	8049

9	S04_hhhousing	4	Housing	HH	11971
10	S05A_hhlandownership	5A	Land ownership	HH / plot	16458
11	S05B_hhproductioncrops	5B	Production of crops	HH/plot/crop	17773
12	S05C_hhcostcultivationcrops	5C	Cost of cultivationof crops	HH / plot	16911
13	S05D_hhinventorycrops	5D	Inventory of crops	HH / crop	7308
14	S05E1_hhlivestock1	5E	Inputs and outputs of livestock and poultry raising activities	HH / livestock	84350
15	S05E2_hhlivestock2			HH / item	14486
16	S05F1_hhfishcultivation1	5F	Inputs and outputs from fish cultivation and fishing/trapping of aquaticproducts	HH / pond	227
17	S05F2_hhfishcultivation2			HH / item	7853
18	S05F3_hhfishcultivation3			HH / item	12364
19	S05G2_hhforestryhunting1	5G	Inputs and outputs from forestry and hunting	HH / product	19398
20	S05G_hhforestryhunting2			HH / item	5928
21	S05H1_hhnonagriculture1	5H	List of household non-agricultural economic activities	HH / activity	4843
22	S05H2_hhnonagriculture2			HH / cost	15716
23	S05H3_hhnonagriculture3			HH / revinue	5360
24	S06_hhliabilities	6	Household liabilities	HH / loan	4732
25	S07_hhincomeothersource	7	Householdincome from other sources	HH / source	6862
26	S08_hhconstruction	8	Construction activities	HH / building	11322
27	S09_hhdurablegoods	9	Durable goods	HH / item	93366
28	S10_personmaternalhealth	10	Maternal health	Person	4447
29	S11_personhealthu2	11	Child health	Person	2357
30	S12_personhealthu5	12	Health check of children under 5	Person	5617
31	S13_personillness	13	Health care seeking and expenditure	Person	57082
32	S14_persondisability	14	Disability	Person	57082
33	S15_personecocurrent	15	Current economic activity	Person	51460
34	S16_personecousu	16	Usual economic activity	Person	51460
35	S17B_persontheft	17	Victimization	Person	328
36	S17C_personaccidents			Person	654
37	S18_personpresence	18	Summary of presence in the household	Person	57074
38	weighhouseholds		Household weights	HH	11971
39	weighhouseholds_area		Household weights including	HH	11971

			area information		
40	weightpersons		Person weights	Person	57105
41	Yearly_hhexpenditure		Summaries by household computed from the Diary Questionnaire: Expenditure (Derivedvariables)	HH	11971
42	Yearly_hhincomee		Summaries by household computed from the Diary Questionnaire: Income (Derived variables)	HH	11971

Remarks:

1. No. 10 and No. 11 seem to be the same, and the former (No. 10) is adopted.
2. No. 39 and No. 40 seem to be the same, and the latter (No. 40) is adopted.
3. There are two kind of weights; household weight and person weight. However, the detailed description on calculating weights is not found in the survey report. There will be an issue on which weight should be applied when merging household data and person data.

4.2 Import STATA data files into R

● Imported the following 45 STATA files into R

```
> (infiles<-list.files())
[1] "09dy_expenditure.dta"      "09dy_income.dta"
[3] "09hh_s01a_hhmembers.dta"  "09hh_s01b_foodconsumption.dta"
[5] "09hh_s01c_nonfoodexpenses.dta" "09hh_s01d_vulnerability.dta"
[7] "09hh_s02_education.dta"    "09hh_s03a_migration_past.dta"
[9] "09hh_s03b_migration_current.dta" "09hh_s04_housing.dta"
[11] "09hh_s04_housingpractice.dta" "09hh_s05a_landown.dta"
[13] "09hh_s05b_cropsproduction.dta" "09hh_s05c_costcrops.dta"
[15] "09hh_s05d_cropsinventory.dta" "09hh_s05e1_animals.dta"
[17] "09hh_s05e2_animalsexpenditures.dta" "09hh_s05f1_fisharea.dta"
[19] "09hh_s05f2_fishexpenses.dta" "09hh_s05f3_fishincome.dta"
[21] "09hh_s05g1_forestincome.dta" "09hh_s05g2_forestexpenses.dta"
[23] "09hh_s05h1_bussiness.dta" "09hh_s05h2_bussinessexpenses.dta"
[25] "09hh_s05h3_bussinessincome.dta" "09hh_s06_liabilities.dta"
[27] "09hh_s07_incomeother.dta" "09hh_s08_construction.dta"
[29] "09hh_s09_durables.dta" "09hh_s10_healthmother.dta"
[31] "09hh_s11_health2years.dta" "09hh_s12_health5years.dta"
[33] "09hh_s13b_healthexpenses.dta" "09hh_s14_disability.dta"
[35] "09hh_s15_labor7days.dta" "09hh_s16_labor12months.dta"
[37] "09hh_s17b_theft.dta" "09hh_s17c_accidents.dta"
[39] "09hh_s17d_violence.dta" "09hh_s17d_violence.dta"
[41] "09hh_s18_presenseinhh.dta" "09hh_s99_singlequestions.dta"
[43] "09hz_weighthh.dta" "09hz_weightpersons.dta"
[45] "IncomeCSES09.dta"
```

```
> library(foreign)
> outfiles<-list()
> for(j in 1:length(infiles)){
+ df<-read.dta(infiles[j], convert.factors=F)
+ outfiles<-c(outfiles, list(df))
+ }
> length(outfiles)
[1] 45
```

45 R data frames were stored in the list "outfiles".

Made list of data file name, number of records and variables

```
> Rnames<-sub(".dta","", infiles)
```

```

> Rnames<-gsub("_", ".", Rnames)
> Rnames<-sub("_", ".", Rnames)
> Rnames<-sub("09hh.", "", Rnames)
> Rnames<-sub("09hz.", "", Rnames)
> for(j in 1:length(infiles)) {
+ if(j==1) cat("      data frame          nrow      ncol\n")
+ cat(j, ":", format(Rnames[j], width=27), ":", " ",
+ format(nrow(outfiles[[j]]), width=6), ":", " ",
+ format(ncol(outfiles[[j]]), width=3), "\n")
+ }

```

	data frame	nrow	ncol
1 :	09dy. expenditure	2620999	23
2 :	09dy. income	878912	23
3 :	s01a. hhmembers	57105	32
4 :	s01b. foodconsumption	143921	16
5 :	s01c. nonfoodexpenses	86155	16
6 :	s01d. vulnerability	11980	27
7 :	s02. education	53647	37
8 :	s03a. migration. past	51275	35
9 :	s03b. migration. current	8049	28
10 :	s04. housing	11970	66
11 :	s04. housingpractice	11971	49
12 :	s05a. landown	16458	45
13 :	s05b. cropsproduction	17773	23
14 :	s05c. costcrops	16911	29
15 :	s05d. cropsinventory	7308	16
16 :	s05e1. animals	84350	26
17 :	s05e2. animalsexpenses	14486	14
18 :	s05f1. fisharea	227	17
19 :	s05f2. fishexpenses	7853	14
20 :	s05f3. fishincome	12364	14
21 :	s05g1. forestincome	19398	17
22 :	s05g2. forestexpenses	5928	14
23 :	s05h1. bussiness	4843	23
24 :	s05h2. bussinessexpenses	15720	18
25 :	s05h3. bussinessincome	5360	18
26 :	s06. liabilities	4732	20
27 :	s07. incomeother	6862	16
28 :	s08. construction	11322	35
29 :	s09. durables	93366	22
30 :	s10. healthmother	4447	34
31 :	s11. health2years	2357	40
32 :	s12. health5years	5617	29
33 :	s13b. healthexpenses	57082	26
34 :	s14. disability	57082	27
35 :	s15. labor7days	51460	49
36 :	s16. labor12months	51460	23
37 :	s17b. theft	328	22
38 :	s17c. accidents	654	20

39	:	s17d.violence	:	57074	,	26
40	:	s17d.violence	:	57074	,	26
41	:	s18.presenseinhh	:	57074	,	31
42	:	s99.singlequestions	:	11971	,	42
43	:	weighthh	:	11971	,	11
44	:	weightpersons	:	57105	,	12
45	:	IncomeCSES09	:	11971	,	103

4.3 Names and types of variables

- Naming rule of variables

The provided micro data set does not include so-called codebook or data dictionary for all variables. For this point, the delegates from Cambodia to the seventh workshop clarified as follows;

“The data files are prepared separately by section in the questionnaire and province+district+commune+village+household number=household Identification and province+district+commune+village+household number +person number (person identification) for key variable to merge among them.

Variable: Variable was named refer to section number and question number

Example:

1. *Variable: Q01AC08 is represented as “01. A. LIST OF HOUSEHOLD MEMBERS” and column 8 (Does the mother of ..[NAME].. live in the household?). etc.*
2. *Value label: the value label of Q01AC11A is referred to questionnaire:*

1 = Khmer

2 = Cham

3 = Other local ethnic group

4 = Chinese

5 = Vietnamese

6 = Thai

7 = Lao

8 = Other

”

Displayed the names and types of variables

```
> for(j in 1:45){
+ cat("##",j,"#### ",Rnames[j]," #####\n")
+ print(str(outfiles[[j]]))
+ cat("\n\n")
+ }

## 1 #### 09dy.expenditure #####
'data.frame': 2620999 obs. of 23 variables:
 $ hhid      : int 100101 100101 100101 100101 100101 100101 100101 100101 100101 100101
100101 ...
 $ province  : int 1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num 266 266 266 266 266 ...
 $ hhsize    : int 5 5 5 5 5 5 5 5 5 5 ...
 $ weight3    : num 1331 1331 1331 1331 1331 ...
 $ psu       : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum   : int 11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth : int 1 1 1 1 1 1 1 1 1 1 ...
 $ region    : int 2 2 2 2 2 2 2 2 2 2 ...
 $ year      : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ pkid      : int 65201 65203 65206 65208 65211 65213 65216 65217 65222 65224 ...
 $ hhid_string : chr "0100101" "0100101" "0100101" "0100101" ...
 $ lineid     : int 101 102 103 104 105 106 107 108 109 110 ...
 $ diaryexp_q2 : int 101 101 201 201 201 201 201 301 301 301 ...
 $ diaryexp_q5 : int 4 4 9 10 5 4 1 9 4 6 ...
 $ diaryexp_q6 : num 500 500 2 NA 2 300 2 2 500 700 ...
 $ diaryexp_q7 : int 7500 1200 3000 1500 5200 3500 1000 3000 3500 1200 ...
 $ diaryexp_q8 : int 1 1 1 1 1 1 1 1 1 1 ...
 $ diaryexp_q9 : int 2 2 2 4 2 2 2 1 2 3 ...
 $ diaryexp_q10 : int 1 1 1 1 1 1 1 1 1 1 ...
 $ diaryexp_q11 : int 1090 1354 6010 5440 5060 1090 1221 6010 1090 2041 ...
 $ diaryexp_q2_string: chr "0101" "0101" "0201" "0201" ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
```

"other rural (outside p.p.)"
NULL

2 ##### 09dy.income

'data.frame': 878912 obs. of 23 variables:

\$ hhid : int 100101 100101 100101 100101 100101 100101 100101 100101 100101 100101
100101 ...

\$ province : int 1 1 1 1 1 1 1 1 1 1 ...

\$ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...

\$ weight : num 266 266 266 266 266 ...

\$ hhsz : int 5 5 5 5 5 5 5 5 5 5 ...

\$ weight3 : num 1331 1331 1331 1331 1331 ...

\$ psu : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...

\$ stratum : int 11 11 11 11 11 11 11 11 11 11 ...

\$ surveymonth : int 1 1 1 1 1 1 1 1 1 1 ...

\$ region : int 2 2 2 2 2 2 2 2 2 2 ...

\$ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...

\$ pkid : int 20432 20433 20434 20437 20440 20444 20445 20447 20449 20452 ...

\$ hhid_string : chr "0100101" "0100101" "0100101" "0100101" ...

\$ lineid : int 101 102 103 104 106 105 107 108 109 110 ...

\$ diaryinc_q2 : int 601 601 1201 1201 1801 1501 2101 2601 2601 3001 ...

\$ diaryinc_q5 : int 10 3 3 10 4 10 4 4 9 10 ...

\$ diaryinc_q6 : num NA 1 1.2 NA 500 NA 300 500 1 NA ...

\$ diaryinc_q7 : int 69000 500 8000 374000 300 374000 500 10000 3500 8000 ...

\$ diaryinc_q8 : int 1 2 2 1 2 1 2 2 2 1 ...

\$ diaryinc_q9 : int 1 2 3 1 2 1 2 7 7 19 ...

\$ diaryinc_q10 : int 101 202 302 101 202 101 202 701 701 1299 ...

\$ diaryinc_q2_string : chr "0601" "0601" "1201" "1201" ...

\$ diaryinc_q10_string : chr "0101" "0202" "0302" "0101" ...

- attr(*, "datalabel")= chr ""

- attr(*, "time.stamp")= chr ""

- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...

- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...

- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...

- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural households" "weight" ...

- attr(*, "version")= int 8

- attr(*, "label.table")=List of 5

..\$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...

.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong chhnang" ...

..\$ urbanrural : Named int 1 2

.. ..- attr(*, "names")= chr "urban" "rural"

..\$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...

.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang urban" "battambang rural" ...

..\$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...

.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...

..\$ region : Named int 1 2 3

.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"

"other rural (outside p.p.)"

NULL

3 ##### s01a.hhmembers

```

'data.frame':  57105 obs. of  32 variables:
 $ hhid      : int  100101 100101 100101 100101 100101 100102 100102 100102 100102 100103 ...
 $ persid    : int  10010101 10010102 10010103 10010104 10010105 10010201 10010202 10010203
10010204 10010301 ...
 $ province  : int  1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int  1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num  266 266 266 266 266 ...
 $ hhsize    : int  5 5 5 5 5 4 4 4 4 6 ...
 $ weight3    : num  1331 1331 1331 1331 1331 ...
 $ psu       : int  1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum   : int  11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth : int  1 1 1 1 1 1 1 1 1 1 ...
 $ region    : int  2 2 2 2 2 2 2 2 2 2 ...
 $ year      : int  2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ persid_string: chr  "010010101" "010010102" "010010103" "010010104" ...
 $ hhid_string : chr  "0100101" "0100101" "0100101" "0100101" ...
 $ q01ac01    : int  1 2 3 4 5 1 2 3 4 1 ...
 $ q01ac03    : int  1 2 2 2 1 1 2 2 1 1 ...
 $ q01ac04a   : int  17 5 28 15 24 18 5 24 8 2 ...
 $ q01ac04b   : int  12 6 12 3 7 3 5 3 8 3 ...
 $ q01ac04c   : int  1970 1974 1995 2000 2007 1969 1974 1995 1998 1960 ...
 $ q01ac05    : int  38 34 13 8 1 39 34 13 10 48 ...
 $ q01ac06    : int  1 2 3 3 3 1 2 3 3 1 ...
 $ q01ac07    : int  NA NA 1 1 1 NA NA 1 1 NA ...
 $ q01ac08    : int  1 NA 2 2 2 NA NA 2 2 NA ...
 $ q01ac09    : int  1 1 4 NA NA 1 1 4 NA 1 ...
 $ q01ac10    : int  2 1 NA NA NA 2 1 NA NA 2 ...
 $ q01ac11a   : int  1 1 1 1 1 1 1 1 1 1 ...
 $ q01ac11b   : int  1 1 1 1 1 1 1 1 1 1 ...
 $ q01ac12a   : int  1 0 0 0 0 0 0 0 0 0 ...
 $ q01ac12b   : int  0 NA NA NA NA NA NA NA NA ...
 $ q01ac12c   : int  NA NA NA NA NA NA NA NA NA ...
 $ q01ac13    : int  1 1 1 1 1 1 1 1 2 ...
 $ q01ac14    : int  NA NA NA NA NA NA NA NA NA 3 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr ""
 - attr(*, "formats")= chr  "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  253 253 251 251 254 251 254 252 252 251 ...
 - attr(*, "val.labels")= chr  "" "" "province" "urbanrural" ...
 - attr(*, "var.labels")= chr  "unique hh identification" "unique person identification"
"province (2)" "urban or rural households" ...
 - attr(*, "version")= int  8
 - attr(*, "label.table")=List of 5
 .. $ province : Named int  1 2 3 4 5 6 7 8 9 10 ...
 .. ..- attr(*, "names")= chr  "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
 .. $ urbanrural : Named int  1 2
 .. ..- attr(*, "names")= chr  "urban" "rural"
 .. $ stratum : Named int  11 12 21 22 31 32 41 42 51 52 ...
 .. ..- attr(*, "names")= chr  "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
 .. $ surveymonth: Named int  1 2 3 4 5 6 7 8 9 10 ...
 .. ..- attr(*, "names")= chr  "january" "february" "march" "april" ...
 .. $ region : Named int  1 2 3
 .. ..- attr(*, "names")= chr  "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"

```

NULL

```
## 4 ##### s01b.foodconsumption #####
'data.frame': 143921 obs. of 16 variables:
 $ hhid      : int 100101 100101 100101 100101 100101 100101 100101 100101 100101 100101 100101 ...
 $ province  : int 1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num 266 266 266 266 266 ...
 $ hhsize    : int 5 5 5 5 5 5 5 5 5 5 ...
 $ weight3    : num 1331 1331 1331 1331 1331 ...
 $ psu       : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum   : int 11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
 $ region    : int 2 2 2 2 2 2 2 2 2 2 ...
 $ year      : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ hhid_string: chr "0100101" "0100101" "0100101" "0100101" ...
 $ q01bc01   : int 1 3 4 6 7 8 10 11 12 13 ...
 $ q01bc03   : int 0 50400 2500 1500 1200 0 500 0 3000 7000 ...
 $ q01bc04   : int 16000 0 0 0 600 2000 0 11000 0 0 ...
 $ q01bc05   : int 16000 50400 2500 1500 1800 2000 500 11000 3000 7000 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr ""
 - attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
 - attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
 - attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
 - attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural households" "weight" ...
 - attr(*, "version")= int 8
 - attr(*, "label.table")=List of 5
 .. $ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
 .. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong chhnang" ...
 .. $ urbanrural : Named int 1 2
 .. ..- attr(*, "names")= chr "urban" "rural"
 .. $ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
 .. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang urban" "battambang rural" ...
 .. $ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
 .. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
 .. $ region : Named int 1 2 3
 .. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)" "other rural (outside p.p.)"
NULL
```

```
## 5 ##### s01c.nonfoodexpenses #####
'data.frame': 86155 obs. of 16 variables:
 $ hhid      : int 100101 100101 100101 100101 100101 100101 100101 100101 100101 100101 100102 ...
 $ province  : int 1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num 266 266 266 266 266 ...
 $ hhsize    : int 5 5 5 5 5 5 5 5 5 4 ...
 $ weight3    : num 1331 1331 1331 1331 1331 ...
 $ psu       : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum   : int 11 11 11 11 11 11 11 11 11 11 ...
```

```

$ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
$ region      : int 2 2 2 2 2 2 2 2 2 2 ...
$ year        : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ hhid_string: chr "0100101" "0100101" "0100101" "0100101" ...
$ q01cc01     : int 1 2 3 4 5 6 8 10 13 1 ...
$ q01cc04     : int 12000 50000 20000 9500 21000 40000 100000 80000 800000 1500 ...
$ q01cc05     : int 0 0 0 0 0 0 0 0 220000 0 ...
$ q01cc06     : int 12000 50000 20000 9500 21000 40000 100000 80000 1020000 1500 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province   : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum     : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region      : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)" "other rural (outside p.p.)"
NULL

```

```

## 6 #### s01d.vulnerability #####
'data.frame': 11980 obs. of 27 variables:
 $ hhid      : int 100101 100102 100103 100104 100105 100106 100107 100108 100109 100110 ...
 $ province  : int 1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural: int 1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num 266 266 266 266 266 ...
 $ hhsize    : int 5 4 6 3 7 9 2 4 4 7 ...
 $ weight3    : num 1331 1065 1597 798 1863 ...
 $ psu       : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum   : int 11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
 $ region    : int 2 2 2 2 2 2 2 2 2 2 ...
 $ year      : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ hhid_string: chr "0100101" "0100102" "0100103" "0100104" ...
 $ q01dq1     : int 1 1 2 1 1 1 2 1 2 2 ...
 $ q01dq2     : int 2 1 2 1 2 1 1 1 1 2 ...
 $ q01dq3     : int 3 NA 4 NA 0 NA NA NA NA 0 ...
 $ q01dq4_1   : int 0 NA 0 NA 0 NA NA NA NA 0 ...
 $ q01dq4_2   : int 0 NA 0 NA 0 NA NA NA NA 0 ...
 $ q01dq4_3   : int 0 NA 0 NA 0 NA NA NA NA 0 ...
 $ q01dq4_4   : int 0 NA 0 NA 0 NA NA NA NA 0 ...
 $ q01dq4_5   : int 0 NA 0 NA 0 NA NA NA NA 0 ...
 $ q01dq4_6   : int 0 NA 0 NA 0 NA NA NA NA 0 ...

```

```

$ q01dq4_7 : int 0 NA 0 NA 0 NA NA NA NA 0 ...
$ q01dq4_8 : int 0 NA 0 NA 0 NA NA NA NA 0 ...
$ q01dq4_9 : int 0 NA 0 NA 0 NA NA NA NA 1 ...
$ q01dq4_10 : int 0 NA 1 NA 0 NA NA NA NA 1 ...
$ q01dq4_11 : int 1 NA 0 NA 0 NA NA NA NA 0 ...
$ q01dq4_12 : int 1 NA 0 NA 1 NA NA NA NA 0 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)" "other rural (outside p.p.)"
NULL

```

```
## 7 ##### s02.education #####
```

```
'data.frame': 53647 obs. of 37 variables:
```

```

$ hhid : int 100101 100101 100101 100101 100102 100102 100102 100102 100103 100103 ...
$ persid : int 10010101 10010102 10010103 10010104 10010201 10010202 10010203 10010204 10010301 10010302 ...
$ province : int 1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
$ weight : num 266 266 266 266 266 ...
$ hhsize : int 5 5 5 5 4 4 4 4 6 6 ...
$ weight3 : num 1331 1331 1331 1331 1065 ...
$ psu : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
$ stratum : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth : int 1 1 1 1 1 1 1 1 1 1 ...
$ region : int 2 2 2 2 2 2 2 2 2 2 ...
$ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ persid_string: chr "010010101" "010010102" "010010103" "010010104" ...
$ hhid_string : chr "0100101" "0100101" "0100101" "0100101" ...
$ q02c01 : int 1 2 3 4 1 2 3 4 1 2 ...
$ q02c02 : int 1 2 1 1 1 1 1 1 1 2 ...
$ q02c03 : int 1 2 1 1 1 1 1 1 1 2 ...
$ q02c04 : int 1 2 1 1 1 1 1 1 1 2 ...
$ q02c05 : int 7 NA 6 2 8 8 8 5 10 NA ...
$ q02c06 : int 7 NA 6 2 8 8 7 4 10 NA ...
$ q02c07 : int 2 NA 1 1 2 2 1 1 2 NA ...
$ q02c08 : int NA NA 7 3 NA NA 8 5 NA NA ...

```

```

$ q02c09      : int  NA NA 1 1 NA NA 1 1 NA NA ...
$ q02c10      : int  NA NA 1 2 NA NA 1 1 NA NA ...
$ q02c11      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q02c12      : int  2 2 1 2 2 2 1 2 2 2 ...
$ q02c13      : int  NA NA 1 NA NA NA 1 NA NA NA ...
$ q02c14      : int  NA NA 4 NA NA NA 4 NA NA NA ...
$ q02c15      : int  2 2 1 1 2 2 1 1 2 2 ...
$ q02c16a     : int  NA NA NA NA NA NA NA NA NA NA ...
$ q02c16b     : int  NA NA 140000 NA NA NA 156000 110000 NA NA ...
$ q02c16c     : int  NA NA 15000 10000 NA NA 19000 13000 NA NA ...
$ q02c16d     : int  NA NA 4000 3000 NA NA 6000 2500 NA NA ...
$ q02c16e     : int  NA NA 430000 220000 NA NA 440000 15600 NA NA ...
$ q02c16f     : int  NA NA 250000 NA NA NA 7000 0 NA NA ...
$ q02c16g     : int  NA NA NA NA NA NA 0 300 NA NA ...
$ q02c16h     : int  0 0 839000 233000 0 0 628000 141400 0 0 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int  253 253 251 251 254 251 254 252 252 251 ...
- attr(*, "val.labels")= chr "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr "unique hh identification" "unique person identification"
"province (2)" "urban or rural households" ...
- attr(*, "version")= int  8
- attr(*, "label.table")=List of 5
..$ province : Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int  1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int  11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int  1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 8 ##### s03a.migration.past #####
'data.frame':  51275 obs. of  35 variables:
 $ hhid      : int  100101 100101 100101 100101 100102 100102 100102 100102 100103
100103 ...
 $ persid    : int  10010101 10010102 10010103 10010104 10010201 10010202 10010203 10010204
10010301 10010302 ...
 $ province  : int  1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int  1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num  266 266 266 266 266 ...
 $ hhsize    : int  5 5 5 5 4 4 4 4 6 6 ...
 $ weight3    : num  1331 1331 1331 1331 1065 ...
 $ psu       : int  1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum   : int  11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth : int  1 1 1 1 1 1 1 1 1 1 ...
 $ region    : int  2 2 2 2 2 2 2 2 2 2 ...
 $ year      : int  2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...

```

```

$ persid_string : chr "010010101" "010010102" "010010103" "010010104" ...
$ hhid_string : chr "0100101" "0100101" "0100101" "0100101" ...
$ q03ac01 : int 1 2 3 4 1 2 3 4 1 2 ...
$ q03ac02 : int 1 1 1 1 2 1 1 1 1 2 ...
$ q03ac03 : int NA NA NA NA 15 NA NA NA NA 23 ...
$ q03ac04b : int NA NA NA NA 88 NA NA NA NA 2 ...
$ q03ac04c : int NA NA NA NA NA NA NA NA NA NA ...
$ q03ac05 : int NA NA NA NA 4 NA NA NA NA 4 ...
$ q03ac06b : int NA NA NA NA 1 NA NA NA NA 2 ...
$ q03ac06c : int NA NA NA NA NA NA NA NA NA NA ...
$ q03ac07 : int 2 2 2 2 2 2 2 2 2 2 ...
$ q03ac08 : int NA NA NA NA NA NA NA NA NA NA ...
$ q03ac09a : int NA NA NA NA NA NA NA NA NA NA ...
$ q03ac09b : int NA NA NA NA NA NA NA NA NA NA ...
$ q03ac10 : int NA NA NA NA NA NA NA NA NA NA ...
$ q03ac11 : int NA NA NA NA NA NA NA NA NA NA ...
$ q03ac12 : int NA NA NA NA NA NA NA NA NA NA ...
$ q03ac13 : int NA NA NA NA NA NA NA NA NA NA ...
$ q03ac04b_string: chr "" "" "" "" ...
$ q03ac04c_string: chr "" "" "" "" ...
$ q03ac06b_string: chr "" "" "" "" ...
$ q03ac06c_string: chr "" "" "" "" ...
$ q03ac12_string : chr "" "" "" "" ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int 253 253 251 251 254 251 254 252 252 251 ...
- attr(*, "val.labels")= chr "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr "unique hh identification" "unique person identification"
"province (2)" "urban or rural households" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 9 ##### s03b.migration.current #####
'data.frame': 8049 obs. of 28 variables:
 $ hhid : int 100106 100106 100106 100201 100202 100202 100202 100204 100204 100204 ...
 $ persid : int 10010631 10010632 10010633 10020131 10020231 10020232 10020235 10020431
10020432 10020433 ...
 $ province : int 1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
 $ weight : num 266 266 266 265 265 ...

```



```

$ hhsize      : int  9 9 9 11 5 5 5 6 6 6 ...
$ weight3     : num 2395 2395 2395 2912 1324 ...
$ psu         : int 1001 1001 1001 1002 1002 1002 1002 1002 1002 1002 ...
$ stratum     : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth : int 1 1 1 1 1 1 1 1 1 1 ...
$ region      : int 2 2 2 2 2 2 2 2 2 2 ...
$ year        : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ persid_string: chr "010010631" "010010632" "010010633" "010020131" ...
$ hhid_string  : chr "0100106" "0100106" "0100106" "0100201" ...
$ q03bc01     : int 31 32 33 31 31 32 35 31 32 33 ...
$ q03bc03     : int 1 2 1 2 2 1 1 1 2 2 ...
$ q03bc04     : int 33 25 22 38 50 48 41 39 33 22 ...
$ q03bc05b    : int 88 88 88 88 88 88 9 88 88 12 ...
$ q03bc05c    : int NA NA NA NA NA NA NA NA NA NA ...
$ q03bc06     : int 1991 2000 2007 1995 1999 1999 2001 2007 2007 2004 ...
$ q03bc07     : int 3 3 3 3 3 3 1 3 3 4 ...
$ q03bc08     : int 631 548 631 631 631 541 532 631 631 NA ...
$ q03bc09     : int 6 9 6 5 88 14 14 8 3 17 ...
$ q03bc10     : int 631 548 631 631 631 541 532 631 631 NA ...
$ q03bc11     : int 2 2 2 2 2 2 2 1 1 2 ...
$ q03bc12     : int NA NA NA NA NA NA NA 250000 1500000 NA ...
$ q03bc13a    : int NA NA NA NA NA NA NA 3 3 NA ...
$ q03bc13b    : int NA NA NA NA NA NA NA NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int 253 253 251 251 254 251 254 252 252 251 ...
- attr(*, "val.labels")= chr "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr "unique hh identification" "" "province (2)" "urban or rural
households" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```
## 10 #### s04.housing #####
```

```
'data.frame': 11970 obs. of 66 variables:
```

```

$ hhid      : int 100101 100102 100103 100104 100105 100106 100107 100108 100109 100110 ...
$ province  : int 1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural: int 1 1 1 1 1 1 1 1 1 1 ...
$ weight    : num 266 266 266 266 266 ...
$ hhsize    : int 5 4 6 3 7 9 2 4 4 7 ...
$ weight3   : num 1331 1065 1597 798 1863 ...

```

```

$ psu      : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
$ stratum  : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
$ region   : int 2 2 2 2 2 2 2 2 2 2 ...
$ year     : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ hhid_string: chr "0100101" "0100102" "0100103" "0100104" ...
$ q04_01   : int 1 1 1 1 1 1 1 1 3 1 ...
$ q04_02   : int 60 24 30 20 81 42 35 48 66 42 ...
$ q04_03   : int 2 1 1 1 2 2 1 1 1 1 ...
$ q04_04   : int 2 3 1 2 2 2 1 2 2 2 ...
$ q04_05   : int 4 4 4 4 4 4 4 4 4 3 ...
$ q04_06   : int 2 2 2 4 2 2 2 2 2 2 ...
$ q04_07   : int 1 1 1 1 1 1 3 1 1 1 ...
$ q04_08   : int 7 6 6 7 7 7 7 7 6 9 ...
$ q04_09   : int NA 10 20 NA NA NA NA NA 20 NA ...
$ q04_10m1 : int NA 1 2 NA NA NA NA NA 1 NA ...
$ q04_10m2 : int NA 3 3 NA NA NA NA NA 2 NA ...
$ q04_10m3 : int NA 2 NA NA NA NA NA NA NA NA ...
$ q04_11   : int NA 5 5 NA NA NA NA NA 10 NA ...
$ q04_12   : int 7 7 6 7 7 7 7 7 6 6 ...
$ q04_13   : int NA NA 20 NA NA NA NA NA 20 20 ...
$ q04_14m1 : int NA NA 2 NA NA NA NA NA 1 1 ...
$ q04_14m2 : int NA NA 3 NA NA NA NA NA 2 NA ...
$ q04_14m3 : int NA NA NA NA NA NA NA NA NA NA ...
$ q04_15   : int NA NA 5 NA NA NA NA NA 10 25 ...
$ q04_16   : int 2000 5000 0 8000 15000 0 7800 3000 0 0 ...
$ q04_17   : int 1 1 1 3 1 1 3 3 3 1 ...
$ q04_18a  : int 1 1 1 NA 1 1 NA NA NA 2 ...
$ q04_18b  : int 2 2 2 NA 2 2 NA NA NA 2 ...
$ q04_18c  : int 2 2 2 NA 2 2 NA NA NA 2 ...
$ q04_18d  : int 2 2 2 NA 2 2 NA NA NA 2 ...
$ q04_18e  : int 2 2 2 NA 2 2 NA NA NA 2 ...
$ q04_19a  : int 2 2 2 8 2 2 2 8 2 7 ...
$ q04_19b  : int NA NA NA NA NA NA NA NA NA 2 ...
$ q04_20   : int 0 0 0 0 0 0 0 0 0 0 ...
$ q04_21   : int 0 0 0 0 0 0 0 0 0 0 ...
$ q04_22a  : int 1 1 1 2 1 2 1 5 1 1 ...
$ q04_22b  : int 1 1 2 1 2 1 1 NA 2 2 ...
$ q04_22c1 : int NA NA 2 NA 2 NA NA NA 1 1 ...
$ q04_22c2 : int NA NA 1 NA NA NA NA NA NA NA ...
$ q04_22c3 : int NA NA NA NA NA NA NA NA NA NA ...
$ q04_22d  : int NA NA 2 NA 3 NA NA NA 2 2 ...
$ q04_23a  : int 10000 10000 15000 20000 70000 34000 0 15000 35000 15000 ...
$ q04_23b  : int 0 0 3000 0 2800 0 0 10000 0 0 ...
$ q04_23c  : int 0 0 1000 0 0 0 0 0 1500 4000 ...
$ q04_23d  : int 10000 50000 80000 7500 1000 40000 12000 0 18000 60000 ...
$ q04_23e  : int 10000 0 0 9000 0 69000 0 3000 0 0 ...
$ q04_23f  : int 0 0 0 0 0 0 8000 0 0 0 ...
$ q04_23g  : int 0 0 0 0 0 0 0 0 0 0 ...
$ q04_24   : int 1 1 1 1 1 1 1 1 2 1 ...
$ q04_25a  : int NA NA NA NA NA NA NA NA NA NA ...
$ q04_25b  : int 80000 35000 35000 40000 100000 50000 35000 100000 80000 50000 ...
$ q04_26   : int 0 0 0 0 0 0 0 0 0 0 ...
$ phnonpenh : int 0 0 0 0 0 0 0 0 0 0 ...
$ otherrural : int 0 0 0 0 0 0 0 0 0 0 ...
$ urban    : int 1 1 1 1 1 1 1 1 1 1 ...

```

```

$ publiclight: int 1 1 1 1 1 0 1 1 1 ...
$ pre_1      : num 301507 163920 163920 163920 301507 ...
$ log_25b    : num 11.3 10.5 10.5 10.6 11.5 ...
$ pre_2      : num 12.1 11.7 11.7 11.7 12.1 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "individual hh identification number" "province (2)" "urban or
rural households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 16
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
..$ q04_04 : Named int 1 2 3 4 5 6 7 8 9
.. ..- attr(*, "names")= chr "bamboo, thatch/leaves, grass" "wood or logs" "plywood" "concrete,
brick, stone" ...
..$ q04_05 : Named int 1 2 3 4 5 6 7 8 9 10
.. ..- attr(*, "names")= chr "thatch/leaves/grass" "tiles" "fibrous cement" "galvanized iron
or aluminium" ...
..$ q04_06 : Named int 1 2 3 4 5 6 7 8 9
.. ..- attr(*, "names")= chr "earth, clay" "wooden planks" "bamboo strips"
"cement/brick/stone" ...
..$ q04_07 : Named int 1 2 3 4 5 6 7
.. ..- attr(*, "names")= chr "publicly-provided electricity/city power" "generator" "battery"
"kerosene lamp" ...
..$ LABB : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "piped in dwelling or on premises" "public tap" "tubed/piped
well or borehole" "protected dug well" ...
..$ q04_17 : Named int 1 2 3
.. ..- attr(*, "names")= chr "yes, always" "sometimes" "no, never (>>19)"
..$ q04_19a : Named int 1 2 3 4 5 6 7 8
.. ..- attr(*, "names")= chr "pour flush (or flush) connected to sewerage" "pour flush (or
flush) to septic tank or pit" "pour flush (or flush) to elsewhere (i.e. not a sewer or pit/tank)"
"pit latrine with slab" ...
..$ q04_19b : Named int 1 2 3
.. ..- attr(*, "names")= chr "public toilet/pit latrine or shared with others (any type)"
"open land" "other "
..$ q04_22a : Named int 1 2 3 4 5 6 7 8
.. ..- attr(*, "names")= chr "firewood" "charcoal" "liquefied petroleum gas lpg" "kerosene" ...
..$ q04_22b : Named int 1 2
.. ..- attr(*, "names")= chr "yes (>>q23)" "no"
..$ q04_24 : Named int 1 2 3 4
.. ..- attr(*, "names")= chr "owned by the household" "not owned but no rent is paid" "rented"

```

"other"
NULL

```
## 11 ##### s04.housingpractice #####
'data.frame': 11971 obs. of 49 variables:
 $ hhid_string: chr "0100101" "0100102" "0100103" "0100104" ...
 $ q04_01 : int 1 1 1 1 1 1 1 1 3 1 ...
 $ q04_02 : int 60 24 30 20 81 42 35 48 66 42 ...
 $ q04_03 : int 2 1 1 1 2 2 1 1 1 1 ...
 $ q04_04 : int 2 3 1 2 2 2 1 2 2 2 ...
 $ q04_05 : int 4 4 4 4 4 4 4 4 4 3 ...
 $ q04_06 : int 2 2 2 4 2 2 2 2 2 2 ...
 $ q04_07 : int 1 1 1 1 1 1 3 1 1 1 ...
 $ q04_08 : int 7 6 6 7 7 7 7 7 6 9 ...
 $ q04_09 : int NA 10 20 NA NA NA NA NA 20 NA ...
 $ q04_10m1 : int NA 1 2 NA NA NA NA NA 1 NA ...
 $ q04_10m2 : int NA 3 3 NA NA NA NA NA 2 NA ...
 $ q04_10m3 : int NA 2 NA NA NA NA NA NA NA NA ...
 $ q04_11 : int NA 5 5 NA NA NA NA NA 10 NA ...
 $ q04_12 : int 7 7 6 7 7 7 7 7 6 6 ...
 $ q04_13 : int NA NA 20 NA NA NA NA NA 20 20 ...
 $ q04_14m1 : int NA NA 2 NA NA NA NA NA 1 1 ...
 $ q04_14m2 : int NA NA 3 NA NA NA NA NA 2 NA ...
 $ q04_14m3 : int NA NA NA NA NA NA NA NA NA NA ...
 $ q04_15 : int NA NA 5 NA NA NA NA NA 10 25 ...
 $ q04_16 : int 2000 5000 0 8000 15000 0 7800 3000 0 0 ...
 $ q04_17 : int 1 1 1 3 1 1 3 3 3 1 ...
 $ q04_18a : int 1 1 1 NA 1 1 NA NA NA 2 ...
 $ q04_18b : int 2 2 2 NA 2 2 NA NA NA 2 ...
 $ q04_18c : int 2 2 2 NA 2 2 NA NA NA 2 ...
 $ q04_18d : int 2 2 2 NA 2 2 NA NA NA 2 ...
 $ q04_18e : int 2 2 2 NA 2 2 NA NA NA 2 ...
 $ q04_19a : int 2 2 2 8 2 2 2 8 2 7 ...
 $ q04_19b : int NA NA NA NA NA NA NA NA NA 2 ...
 $ q04_20 : int 0 0 0 0 0 0 0 0 0 0 ...
 $ q04_21 : int 0 0 0 0 0 0 0 0 0 0 ...
 $ q04_22a : int 1 1 1 2 1 2 1 5 1 1 ...
 $ q04_22b : int 1 1 2 1 2 1 1 NA 2 2 ...
 $ q04_22c1 : int NA NA 2 NA 2 NA NA NA 1 1 ...
 $ q04_22c2 : int NA NA 1 NA NA NA NA NA NA NA ...
 $ q04_22c3 : int NA NA NA NA NA NA NA NA NA NA ...
 $ q04_22d : int NA NA 2 NA 3 NA NA NA 2 2 ...
 $ q04_23a : int 10000 10000 15000 20000 70000 34000 0 15000 35000 15000 ...
 $ q04_23b : int 0 0 3000 0 2800 0 0 10000 0 0 ...
 $ q04_23c : int 0 0 1000 0 0 0 0 0 1500 4000 ...
 $ q04_23d : int 10000 50000 80000 7500 1000 40000 12000 0 18000 60000 ...
 $ q04_23e : int 10000 0 0 9000 0 69000 0 3000 0 0 ...
 $ q04_23f : int 0 0 0 0 0 0 8000 0 0 0 ...
 $ q04_23g : int 0 0 0 0 0 0 0 0 0 0 ...
 $ q04_24 : int 1 1 1 1 1 1 1 1 2 1 ...
 $ q04_25a : int NA NA NA NA NA NA NA NA NA NA ...
 $ q04_25b : int 80000 35000 35000 40000 100000 50000 35000 100000 80000 50000 ...
 $ q04_26 : int 0 0 0 0 0 0 0 0 0 0 ...
 $ hhid : int 100101 100102 100103 100104 100105 100106 100107 100108 100109 100110 ...
 - attr(*, "datalabel")= chr ""
```

```

- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%7s" "%8.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int 7 251 252 251 251 251 251 251 252 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "" "how many hhs reside in same unit" "what is the floor area of
the housing in square meters?" "how many rooms are use by hh (other than kitchen, toilet and
bathrooms)?" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 11
..$ q04_04 : Named int 1 2 3 4 5 6 7 8 9
.. ..- attr(*, "names")= chr "bamboo, thatch/leaves, grass" "wood or logs" "plywood" "concrete,
brick, stone" ...
..$ q04_05 : Named int 1 2 3 4 5 6 7 8 9 10
.. ..- attr(*, "names")= chr "thatch/leaves/grass" "tiles" "fibrous cement" "galvanized iron
or aluminium" ...
..$ q04_06 : Named int 1 2 3 4 5 6 7 8 9
.. ..- attr(*, "names")= chr "earth, clay" "wooden planks" "bamboo strips"
"cement/brick/stone" ...
..$ q04_07 : Named int 1 2 3 4 5 6 7
.. ..- attr(*, "names")= chr "publicly-provided electricity/city power" "generator" "battery"
"kerosene lamp" ...
..$ LABB : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "piped in dwelling or on premises" "public tap" "tubed/piped
well or borehole" "protected dug well" ...
..$ q04_17 : Named int 1 2 3
.. ..- attr(*, "names")= chr "yes, always" "sometimes" "no, never (>>19)"
..$ q04_19a: Named int 1 2 3 4 5 6 7 8
.. ..- attr(*, "names")= chr "pour flush (or flush) connected to sewerage" "pour flush (or
flush) to septic tank or pit" "pour flush (or flush) to elsewhere (i.e. not a sewer or pit/tank)"
"pit latrine with slab" ...
..$ q04_19b: Named int 1 2 3
.. ..- attr(*, "names")= chr "public toilet/pit latrine or shared with others (any type)"
"open land" "other "
..$ q04_22a: Named int 1 2 3 4 5 6 7 8
.. ..- attr(*, "names")= chr "firewood" "charcoal" "liquefied petroleum gas lpg" "kerosene" ...
..$ q04_22b: Named int 1 2
.. ..- attr(*, "names")= chr "yes (>>q23)" "no"
..$ q04_24 : Named int 1 2 3 4
.. ..- attr(*, "names")= chr "owned by the household" "not owned but no rent is paid" "rented"
"other"
NULL

```

```

## 12 #### s05a.landown #####
'data.frame': 16458 obs. of 45 variables:
 $ hhid      : int 100101 100101 100102 100102 100102 100102 100103 100105 100106 100106 ...
 $ province  : int 1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num 266 266 266 266 266 ...
 $ hhsize    : int 5 5 4 4 4 4 6 7 9 9 ...
 $ weight3    : num 1331 1331 1065 1065 1065 ...
 $ psu       : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum    : int 11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
 $ region     : int 2 2 2 2 2 2 2 2 2 2 ...
 $ year       : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...

```

```

$ hhid_string: chr "0100101" "0100101" "0100102" "0100102" ...
$ q05ac01 : int 1 2 1 2 3 4 1 1 1 2 ...
$ q05ac02 : num 7200 5000 9200 9200 6400 4800 5000 10000 9600 6400 ...
$ q05ac03 : int 1 1 1 1 1 1 1 1 1 1 ...
$ q05ac04a : int 300 120 500 500 300 200 300 400 400 350 ...
$ q05ac04b : int 2 2 2 2 2 2 2 2 2 2 ...
$ q05ac04c : int 2 2 3 3 3 3 2 3 2 2 ...
$ q05ac05a : int NA NA NA NA NA NA NA NA NA NA ...
$ q05ac05b : int NA NA NA NA NA NA NA NA NA NA ...
$ q05ac05c : int NA NA NA NA NA NA NA NA NA NA ...
$ q05ac06a : int NA NA NA NA NA NA NA NA NA NA ...
$ q05ac06b : int NA NA NA NA NA NA NA NA NA NA ...
$ q05ac06c : int NA NA NA NA NA NA NA NA NA NA ...
$ q05ac07 : int 1 1 1 1 1 1 1 3 4 1 ...
$ q05ac08 : int 2000 2005 1994 1995 1995 1999 2006 1980 2001 1980 ...
$ q05ac09 : int 4 3 4 4 4 4 3 1 4 1 ...
$ q05ac10 : int 9500000 5000000 1500000 1500000 150000 700000 1200000 NA 5700000 NA ...
$ q05ac11 : int 4500000 10000000 70000000 7000000 500000 3500000 2500000 7000000 80000000
700000 ...
$ q05ac12 : int 1 1 1 1 1 1 2 2 1 2 ...
$ q05ac13a : int 4 4 4 4 4 4 NA NA 4 NA ...
$ q05ac13b : int 4 4 4 4 4 4 NA NA 4 NA ...
$ q05ac14 : int 1 1 1 4 1 1 NA NA 1 NA ...
$ q05ac15 : int 1 1 1 1 1 1 1 1 1 1 ...
$ q05ac16a : int 1 1 1 1 1 1 1 1 1 1 ...
$ q05ac16b : int NA NA NA NA NA NA NA NA 2 NA ...
$ q05ac16c : int NA NA NA NA NA NA NA NA NA NA ...
$ q05ac17 : int 4 4 4 4 4 4 4 2 3 4 ...
$ q05ac18a : int 1 1 1 1 1 1 1 1 1 1 ...
$ q05ac18b : int NA NA NA NA NA NA NA NA NA NA ...
$ q05ac18c : int NA NA NA NA NA NA NA NA NA NA ...
$ q05ac19 : int NA NA NA NA NA NA NA NA NA NA ...
$ q05ac20 : int 1 1 1 1 1 1 1 1 1 1 ...
$ q05ac21 : int 2000 2005 1994 1995 1996 1999 2006 1980 2001 1980 ...
$ q05ac22 : int 3 3 3 3 3 3 3 3 3 3 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"

```

"other rural (outside p.p.)"
NULL

```
## 13 ##### s05b.cropsproduction #####
'data.frame': 17773 obs. of 23 variables:
 $ hhid      : int 100101 100101 100102 100102 100102 100102 100103 100105 100106 100106 ...
 $ province  : int 1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num 266 266 266 266 266 ...
 $ hhsize    : int 5 5 4 4 4 4 6 7 9 9 ...
 $ weight3    : num 1331 1331 1065 1065 1065 ...
 $ psu       : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum   : int 11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
 $ region    : int 2 2 2 2 2 2 2 2 2 2 ...
 $ year      : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ hhid_string: chr "0100101" "0100101" "0100102" "0100102" ...
 $ wetdry    : int 1 1 1 1 1 1 1 1 1 1 ...
 $ q05bc01   : int 1 2 1 2 3 4 1 1 1 2 ...
 $ q05bc02   : int 1 2 1 2 3 4 1 1 1 2 ...
 $ q05bc03b  : chr "102" "102" "102" "102" ...
 $ q05bc04   : num 7200 5000 9200 9200 6400 4800 5000 10000 3200 6400 ...
 $ q05bc05   : num 3500 2000 9200 9200 6400 4800 3200 9000 3200 6400 ...
 $ q05bc06   : int 900 300 2000 2000 1650 1200 800 2400 500 850 ...
 $ q05bc07   : num 10 5 0 0 0 0 50 0 0 0 ...
 $ q05bc08   : num 0 0 0 0 0 0 35 500 0 0 ...
 $ q05bc09   : int 650 650 600 600 600 600 700 800 800 800 ...
 $ pastyear  : int 2008 2008 2008 2008 2008 2008 2008 2008 2008 2008 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr ""
 - attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
 - attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
 - attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
 - attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural households" "weight" ...
 - attr(*, "version")= int 8
 - attr(*, "label.table")=List of 5
 ..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
 .. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong chhnang" ...
 ..$ urbanrural : Named int 1 2
 .. ..- attr(*, "names")= chr "urban" "rural"
 ..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
 .. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang urban" "battambang rural" ...
 ..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
 .. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
 ..$ region : Named int 1 2 3
 .. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)" "other rural (outside p.p.)"
NULL
```

```
## 14 ##### s05c.costcrops #####
'data.frame': 16911 obs. of 29 variables:
```

```

$ hhid      : int 100101 100101 100102 100102 100102 100102 100103 100105 100106 100106 ...
$ province  : int 1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
$ weight    : num 266 266 266 266 266 ...
$ hhsize    : int 5 5 4 4 4 4 6 7 9 9 ...
$ weight3    : num 1331 1331 1065 1065 1065 ...
$ psu       : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
$ stratum   : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
$ region    : int 2 2 2 2 2 2 2 2 2 2 ...
$ year      : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ hhid_string: chr "0100101" "0100101" "0100102" "0100102" ...
$ wetdry    : int 1 1 1 1 1 1 1 1 1 1 ...
$ q05cc01   : int 1 2 1 2 3 4 1 1 1 2 ...
$ q05cc02   : int 1 2 1 2 3 4 1 1 1 2 ...
$ q05cc03   : int 32500 22700 60000 60000 45000 30000 35000 12000 40000 56000 ...
$ q05cc04   : int 100000 65000 130000 130000 100000 90000 100000 271000 4500 300000 ...
$ q05cc05   : int 0 0 0 0 0 0 0 0 0 0 ...
$ q05cc06   : int 0 0 0 0 0 0 0 0 0 0 ...
$ q05cc07   : int 0 0 40000 40000 32000 20000 0 0 0 0 ...
$ q05cc08   : int 16800 4800 0 0 0 0 50000 0 0 0 ...
$ q05cc09   : int 19400 13000 0 0 0 0 120000 160000 40000 110000 ...
$ q05cc10   : int 0 0 0 0 0 0 72000 0 0 0 ...
$ q05cc11   : int 0 0 0 0 0 0 0 0 0 0 ...
$ q05cc12   : int 0 0 0 0 0 0 0 0 0 0 ...
$ q05cc13   : int 13000 52000 20000 20000 17000 14000 70000 65000 30000 75000 ...
$ q05cc14   : int 0 0 0 0 0 0 0 0 0 0 ...
$ q05cc15   : int 0 0 0 0 0 0 0 0 0 0 ...
$ q05cc16   : int 181700 157500 250000 250000 194000 154000 447000 508000 114500 541000 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)" "other rural (outside p.p.)"
NULL

```

```

## 15 #### s05d.cropsinventory #####
'data.frame': 7308 obs. of 16 variables:

```



```

$ hhid      : int 100105 100201 100203 100204 100204 100205 100207 100210 100306 101202 ...
$ province  : int 1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
$ weight    : num 266 265 265 265 265 ...
$ hhsize    : int 7 11 4 6 6 10 5 6 6 4 ...
$ weight3    : num 1863 2912 1059 1588 1588 ...
$ psu       : int 1001 1002 1002 1002 1002 1002 1002 1002 1002 1003 1012 ...
$ stratum   : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth: int 1 1 1 1 1 1 1 1 1 3 ...
$ region    : int 2 2 2 2 2 2 2 2 2 2 ...
$ year      : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ hhid_string: chr "0100105" "0100201" "0100203" "0100204" ...
$ q05dc01   : int 1 1 1 1 2 1 1 1 1 1 ...
$ q05dc02b  : chr "102" "102" "102" "102" ...
$ q05dc03   : num 100 1000 2500 3000 3000 2500 10800 2000 1500 20000 ...
$ q05dc04   : int 1000 750 750 750 750 750 750 750 700 900 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)" "other rural (outside p.p.)"
NULL

```

```

## 16 ##### s05e1.animals #####
'data.frame': 84350 obs. of 26 variables:
$ hhid      : int 100101 100101 100101 100101 100101 100101 100101 100101 100101 100101 100101 ...
$ province  : int 1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
$ weight    : num 266 266 266 266 266 ...
$ hhsize    : int 5 5 5 5 5 5 5 5 5 5 ...
$ weight3    : num 1331 1331 1331 1331 1331 ...
$ psu       : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
$ stratum   : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
$ region    : int 2 2 2 2 2 2 2 2 2 2 ...
$ year      : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ hhid_string: chr "0100101" "0100101" "0100101" "0100101" ...
$ q05e1c01  : int 1 2 3 4 5 6 7 8 9 10 ...

```

```

$ q05e1c03 : int 2 2 2 2 2 2 1 2 2 2 ...
$ q05e1c04 : int NA NA NA NA NA NA 4 NA NA NA ...
$ q05e1c05 : int NA NA NA NA NA NA 1 NA NA NA ...
$ q05e1c06 : int NA NA NA NA NA NA 72000 NA NA NA ...
$ q05e1c07 : int NA NA NA NA NA NA 4 NA NA NA ...
$ q05e1c08 : int NA NA NA NA NA NA 72000 NA NA NA ...
$ q05e1c09 : int NA NA NA NA NA NA 0 NA NA NA ...
$ q05e1c10 : int NA NA NA NA NA NA 50000 NA NA NA ...
$ q05e1c11 : int NA NA NA NA NA NA 0 NA NA NA ...
$ q05e1c12 : int NA NA NA NA NA NA 0 NA NA NA ...
$ q05e1c13 : int NA NA NA NA NA NA 0 NA NA NA ...
$ q05e1c14 : int NA NA NA NA NA NA 0 NA NA NA ...
$ q05e1c15 : int NA NA NA NA NA NA 0 NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 17 ##### s05e2. animalsexpenses #####
'data.frame': 14486 obs. of 14 variables:
$ hhid : int 100101 100102 100103 100105 100106 100107 100108 100109 100201 100202 ...
$ province : int 1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
$ weight : num 266 266 266 266 266 ...
$ hhsize : int 5 4 6 7 9 2 4 4 11 5 ...
$ weight3 : num 1331 1065 1597 1863 2395 ...
$ psu : int 1001 1001 1001 1001 1001 1001 1001 1001 1002 1002 ...
$ stratum : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
$ region : int 2 2 2 2 2 2 2 2 2 2 ...
$ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ hhid_string: chr "0100101" "0100102" "0100103" "0100105" ...
$ q05e2c01 : int 1 1 1 1 1 1 1 1 1 1 ...
$ q05e2c03 : int 15000 15000 26000 50000 60000 15000 120000 90000 1950000 30000 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""

```

```

- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 18 ##### s05f1.fisharea #####
'data.frame': 227 obs. of 17 variables:
 $ hhid : int 100101 102204 102208 102313 102313 103414 201402 203107 300103 300201 ...
 $ province : int 1 1 1 1 1 1 2 2 3 3 ...
 $ urbanrural : int 1 2 2 2 2 2 1 2 1 1 ...
 $ weight : num 266 236 236 224 224 ...
 $ hhsize : int 5 5 2 5 5 4 3 4 5 5 ...
 $ weight3 : num 1331 1178 471 1120 1120 ...
 $ psu : int 1001 1022 1022 1023 1023 1034 2014 2031 3001 3002 ...
 $ stratum : int 11 12 12 12 12 12 21 22 31 31 ...
 $ surveymonth: int 1 8 8 9 9 8 10 11 1 1 ...
 $ region : int 2 3 3 3 3 3 2 3 2 2 ...
 $ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ hhid_string: chr "0100101" "0102204" "0102208" "0102313" ...
 $ q05f1c01 : int 1 1 1 1 2 1 1 1 1 1 ...
 $ q05f1c02 : int 1 1 4 1 1 1 1 1 1 1 ...
 $ q05f1c03 : int 20 120 32 80 80 8 56 300 300 450 ...
 $ q05f1c04 : int 500000 1100000 130000 1000000 1000000 500000 3600000 2000000 4000000
16000000 ...
 $ q05f1c05 : int 200000 0 0 15000 15000 30000 50000 100000 200000 800000 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2

```

```

.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 19 ##### s05f2.fishexpenses #####
'data.frame': 7853 obs. of 14 variables:
 $ hhid : int 100101 100101 100109 100201 100203 100205 100207 100301 100301 100302 ...
 $ province : int 1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
 $ weight : num 266 266 266 265 265 ...
 $ hhsize : int 5 5 4 11 4 10 5 5 5 2 ...
 $ weight3 : num 1331 1331 1065 2912 1059 ...
 $ psu : int 1001 1001 1001 1002 1002 1002 1002 1003 1003 1003 ...
 $ stratum : int 11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
 $ region : int 2 2 2 2 2 2 2 2 2 2 ...
 $ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ hhid_string: chr "0100101" "0100101" "0100109" "0100201" ...
 $ q05f2c01 : int 1 2 5 5 5 5 5 5 10 5 ...
 $ q05f2c03 : int 30000 80000 30000 80000 120000 80000 20000 13000 22500 14000 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr ""
 - attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
 - attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
 - attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
 - attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
 - attr(*, "version")= int 8
 - attr(*, "label.table")= List of 5
 ..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
 .. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
 ..$ urbanrural : Named int 1 2
 .. ..- attr(*, "names")= chr "urban" "rural"
 ..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
 .. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
 ..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
 .. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
 ..$ region : Named int 1 2 3
 .. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 20 ##### s05f3.fishincome #####
'data.frame': 12364 obs. of 14 variables:
 $ hhid : int 100101 100101 100101 100109 100109 100109 100109 100109 100201 100203 ...

```

```

$ province : int 1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
$ weight : num 266 266 266 266 266 ...
$ hhsize : int 5 5 5 4 4 4 4 4 11 4 ...
$ weight3 : num 1331 1331 1331 1065 1065 ...
$ psu : int 1001 1001 1001 1001 1001 1001 1001 1001 1002 1002 ...
$ stratum : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
$ region : int 2 2 2 2 2 2 2 2 2 2 ...
$ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ hhid_string: chr "0100101" "0100101" "0100101" "0100109" ...
$ q05f3c01 : int 1 2 4 1 2 3 4 5 2 2 ...
$ q05f3c03 : int 130000 100000 55000 100000 300000 20000 45000 7000 5400000 280000 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
..$ urbanrural : Named int 1 2
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
..$ region : Named int 1 2 3
..$ year : Named int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
..$ hhid_string: Named chr "0100101" "0100101" "0100101" "0100109" ...
..$ q05f3c01 : Named int 1 2 4 1 2 3 4 5 2 2 ...
..$ q05f3c03 : Named int 130000 100000 55000 100000 300000 20000 45000 7000 5400000 280000 ...
..$ attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong chhnang" ...
..$ attr(*, "names")= chr "urban" "rural"
..$ attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang urban" "battambang rural" ...
..$ attr(*, "names")= chr "january" "february" "march" "april" ...
..$ attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)" "other rural (outside p.p.)"
NULL

```

```

## 21 ##### s05g1.forestincome #####
'data.frame': 19398 obs. of 17 variables:
$ hhid : int 100102 100103 100109 100201 100205 100301 100302 100303 100304 100305 ...
$ province : int 1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
$ weight : num 266 266 266 265 265 ...
$ hhsize : int 4 6 4 11 10 5 2 2 8 3 ...
$ weight3 : num 1065 1597 1065 2912 2647 ...
$ psu : int 1001 1001 1001 1002 1002 1003 1003 1003 1003 1003 ...
$ stratum : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
$ region : int 2 2 2 2 2 2 2 2 2 2 ...
$ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ hhid_string: chr "0100102" "0100103" "0100109" "0100201" ...
$ q05g1c01 : int 2 2 2 2 2 6 2 2 2 2 ...
$ q05g1c03 : int 0 0 0 0 0 0 0 0 0 0 ...
$ q05g1c04 : int 610000 950000 215000 35000 45000 25000 1800000 190000 180000 132000 ...
$ q05g1c05 : int 0 0 0 0 0 0 0 0 0 0 ...

```

```

$ q05glc06 : int 610000 950000 215000 35000 45000 25000 1800000 190000 180000 132000 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 22 ##### s05g2.forestexpenses #####
'data.frame': 5928 obs. of 14 variables:
$ hhid : int 100102 100103 100109 100205 100301 100302 100303 100304 100305 100306 ...
$ province : int 1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
$ weight : num 266 266 266 265 242 ...
$ hhsize : int 4 6 4 10 5 2 2 8 3 6 ...
$ weight3 : num 1065 1597 1065 2647 1210 ...
$ psu : int 1001 1001 1001 1002 1003 1003 1003 1003 1003 1003 ...
$ stratum : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
$ region : int 2 2 2 2 2 2 2 2 2 2 ...
$ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ hhid_string: chr "0100102" "0100103" "0100109" "0100205" ...
$ q05g2c01 : int 2 5 5 5 2 5 5 5 5 3 ...
$ q05g2c03 : int 120000 20000 12000 30000 15000 25000 17000 38000 20000 25000 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"

```

```

..$ stratum      : Named int  11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr  "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int   1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "january" "february" "march" "april" ...
..$ region      : Named int   1 2 3
.. ..- attr(*, "names")= chr  "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 23 ##### s05h1.bussiness #####
'data.frame':  4843 obs. of  23 variables:
 $ hhid      : int  100105 100106 100107 100108 100201 100202 100210 100401 100403 100404 ...
 $ province  : int   1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural: int   1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num  266 266 266 266 265 ...
 $ hhsiz    : int   7 9 2 4 11 5 6 3 4 2 ...
 $ weight3   : num  1863 2395 532 1065 2912 ...
 $ psu       : int  1001 1001 1001 1001 1002 1002 1002 1004 1004 1004 ...
 $ stratum   : int   11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth: int   1 1 1 1 1 1 1 7 7 7 ...
 $ region    : int   2 2 2 2 2 2 2 2 2 2 ...
 $ year      : int  2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ hhid_string: chr  "0100105" "0100106" "0100107" "0100108" ...
 $ q05h1c01  : int   1 1 1 1 1 1 1 1 1 1 ...
 $ q05h1c04  : chr  "7420" "5610" "4920" "4780" ...
 $ q05h1c05  : int   3 3 1 2 6 2 1 1 1 1 ...
 $ q05h1c06a : int  NA 2 NA 1 NA NA NA 2 2 2 ...
 $ q05h1c06b : int  NA 3 NA NA NA NA NA 3 NA NA ...
 $ q05h1c06c : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q05h1c06d : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q05h1c06e : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q05h1c06f : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q05h1c06g : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q05h1c06h : int  NA NA NA NA NA NA NA NA NA NA ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr ""
 - attr(*, "formats")= chr  "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
 - attr(*, "types")= int   253 251 251 254 251 254 252 252 251 251 ...
 - attr(*, "val.labels")= chr  "" "province" "urbanrural" "" ...
 - attr(*, "var.labels")= chr  "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
 - attr(*, "version")= int 8
 - attr(*, "label.table")=List of 5
..$ province    : Named int   1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural  : Named int   1 2
.. ..- attr(*, "names")= chr  "urban" "rural"
..$ stratum     : Named int   11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr  "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int   1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "january" "february" "march" "april" ...
..$ region      : Named int   1 2 3

```

```

.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 24 ##### s05h2.bussinessexpenses #####
'data.frame': 15720 obs. of 18 variables:
 $ hhid      : int 100105 100105 100106 100106 100106 100106 100107 100107 100107 100107 ...
 $ province  : int 1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num 266 266 266 266 266 ...
 $ hhsize    : int 7 7 9 9 9 9 2 2 2 2 ...
 $ weight3    : num 1863 1863 2395 2395 2395 ...
 $ psu       : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum   : int 11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
 $ region    : int 2 2 2 2 2 2 2 2 2 2 ...
 $ year      : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ hhid_string: chr "0100105" "0100105" "0100106" "0100106" ...
 $ q05h2c01  : int 9 14 4 5 6 9 1 3 4 11 ...
 $ q05h2c03  : num 5.00e+04 4.00e+05 5.00e+04 1.98e+08 2.00e+05 ...
 $ q05h2c04  : int NA NA NA NA NA NA NA NA NA NA ...
 $ q05h2c05  : int NA NA NA NA NA NA NA NA NA NA ...
 $ q05h2c06  : int NA NA NA NA NA NA NA NA NA NA ...
 $ q05h2c07  : int NA NA NA NA NA NA NA NA NA NA ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr ""
 - attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
 - attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
 - attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
 - attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
 - attr(*, "version")= int 8
 - attr(*, "label.table")=List of 5
 ..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
 .. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
 ..$ urbanrural : Named int 1 2
 .. ..- attr(*, "names")= chr "urban" "rural"
 ..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
 .. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
 ..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
 .. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
 ..$ region : Named int 1 2 3
 .. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 25 ##### s05h3.bussinessincome #####
'data.frame': 5360 obs. of 18 variables:
 $ hhid      : int 100105 100106 100107 100108 100108 100201 100202 100210 100401 100401 ...
 $ province  : int 1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num 266 266 266 266 266 ...

```



```

$ hhsize      : int  7 9 2 4 4 11 5 6 3 3 ...
$ weight3     : num 1863 2395 532 1065 1065 ...
$ psu         : int 1001 1001 1001 1001 1001 1002 1002 1002 1004 1004 ...
$ stratum     : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth : int  1 1 1 1 1 1 1 7 7 ...
$ region      : int  2 2 2 2 2 2 2 2 2 ...
$ year        : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ hhid_string : chr  "0100105" "0100106" "0100107" "0100108" ...
$ q05h3c01    : int  3 7 8 5 9 5 5 3 5 9 ...
$ q05h3c03     : num  1.40e+07 2.52e+09 5.40e+06 3.90e+07 5.00e+04 6.75e+07 2.52e+07 7.50e+07
2.40e+06 1.50e+05 ...
$ q05h3c04    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q05h3c05    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q05h3c06    : int  NA NA NA NA NA NA NA NA NA NA ...
$ q05h3c07    : int  NA NA NA NA NA NA NA NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr  "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int   253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr  "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr  "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province   : Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int  1 2
.. ..- attr(*, "names")= chr  "urban" "rural"
..$ stratum    : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr  "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "january" "february" "march" "april" ...
..$ region     : Named int  1 2 3
.. ..- attr(*, "names")= chr  "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 26 ##### s06.liabilities #####
'data.frame': 4732 obs. of 20 variables:
$ hhid      : int 100101 100105 100107 100108 100110 100210 100301 100302 100307 100308 ...
$ province  : int  1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int  1 1 1 1 1 1 1 1 1 1 ...
$ weight    : num 266 266 266 266 266 ...
$ hhsize    : int  5 7 2 4 7 6 5 2 4 4 ...
$ weight3   : num 1331 1863 532 1065 1863 ...
$ psu       : int 1001 1001 1001 1001 1001 1002 1003 1003 1003 1003 ...
$ stratum   : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth: int  1 1 1 1 1 1 1 1 1 1 ...
$ region    : int  2 2 2 2 2 2 2 2 2 2 ...
$ year      : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ hhid_string: chr  "0100101" "0100105" "0100107" "0100108" ...
$ q06_c01   : int  1 1 1 1 1 1 1 1 1 1 ...
$ q06_c02   : int  3 24 0 26 24 5 10 2 2 12 ...

```

```

$ q06_c03 : int 5 12 12 5 5 3 5 2 2 12 ...
$ q06_c04 : int 1 8 8 4 4 4 9 4 9 9 ...
$ q06_c05 : int 7 7 9 8 4 4 3 3 1 3 ...
$ q06_c06 : int 1000000 8000000 1500000 4000000 900000 3000000 6000000 100000 200000
1500000 ...
$ q06_c07 : int 1000000 4000000 1500000 4000000 800000 3000000 3500000 100000 200000
1500000 ...
$ q06_c08 : num 0 2 3 3 10 3 3 5 3 3 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 27 #### s07.incomeother #####
'data.frame': 6862 obs. of 16 variables:
$ hhid : int 100103 100105 100106 100109 100110 100201 100204 100205 100301 100302 ...
$ province : int 1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
$ weight : num 266 266 266 266 266 ...
$ hhsz : int 6 7 9 4 7 11 6 10 5 2 ...
$ weight3 : num 1597 1863 2395 1065 1863 ...
$ psu : int 1001 1001 1001 1001 1001 1002 1002 1002 1003 1003 ...
$ stratum : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
$ region : int 2 2 2 2 2 2 2 2 2 2 ...
$ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ hhid_string: chr "0100103" "0100105" "0100106" "0100109" ...
$ q07_c01 : int 11 2 2 6 2 2 2 2 3 2 ...
$ q07_c03 : int 80000 5000000 0 200000 500000 0 200000 250000 3600000 220000 ...
$ q07_c04 : int 0 0 800000 0 0 4800000 4200000 4800000 0 0 ...
$ q07_c05 : int 80000 5000000 800000 200000 500000 4800000 4400000 5050000 3600000 220000 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...

```

```

- attr(*, "var.labels")= chr "unique hh identification " "province (2)" "urban or rural
households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 28 ##### s08.construction #####
'data.frame': 11322 obs. of 35 variables:
 $ hhid : int 100101 100102 100103 100104 100105 100106 100107 100108 100110 100201 ...
 $ province : int 1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
 $ weight : num 266 266 266 266 266 ...
 $ hhsize : int 5 4 6 3 7 9 2 4 7 11 ...
 $ weight3 : num 1331 1065 1597 798 1863 ...
 $ psu : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1002 ...
 $ stratum : int 11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
 $ region : int 2 2 2 2 2 2 2 2 2 2 ...
 $ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ hhid_string: chr "0100101" "0100102" "0100103" "0100104" ...
 $ q08_c01 : int 1 1 1 1 1 1 1 1 1 1 ...
 $ q08_c02a : int 1 1 1 1 1 1 1 1 1 1 ...
 $ q08_c02b : int NA NA NA NA NA NA 3 NA NA NA ...
 $ q08_c02c : int NA NA NA NA NA NA NA NA NA NA ...
 $ q08_c03 : num 60 24 30 20 81 42 35 48 42 70 ...
 $ q08_c04 : int 2003 1994 1990 2006 2008 1991 2004 1997 1993 1970 ...
 $ q08_c05 : num 2.3e+07 6.0e+05 5.0e+05 2.1e+06 3.6e+07 8.0e+05 2.3e+06 1.3e+06 1.2e+06
3.5e+06 ...
 $ q08_c06 : int 80000 35000 35000 40000 100000 50000 35000 100000 50000 70000 ...
 $ q08_c07 : int 2 2 2 2 2 2 2 2 2 2 ...
 $ q08_c08 : int NA NA NA NA NA NA NA NA NA NA ...
 $ q08_c09 : int 2 2 2 2 1 2 2 2 2 1 ...
 $ q08_c10 : int NA NA NA NA 1 NA NA NA NA NA ...
 $ q08_c11a : int NA NA NA NA 7 NA NA NA NA NA ...
 $ q08_c11b : int NA NA NA NA 2008 NA NA NA NA NA ...
 $ q08_c12a : int NA NA NA NA 12 NA NA NA NA NA ...
 $ q08_c12b : int NA NA NA NA 2008 NA NA NA NA NA ...
 $ q08_c13 : int NA NA NA NA 4 NA NA NA NA 3 ...
 $ q08_c14 : int NA NA NA NA 42000000 NA NA NA NA NA ...
 $ q08_c15 : int NA NA NA NA 3180000 NA NA NA NA NA ...
 $ q08_c16 : int NA NA NA NA 3600000 NA NA NA NA 200000 ...
 $ q08_c17 : int NA NA NA NA 0 NA NA NA NA NA ...

```

```

$ q08_c18 : int NA NA NA NA 0 NA NA NA NA NA ...
$ q08_c19 : int NA NA NA NA 0 NA NA NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 29 ##### s09.durables #####
'data.frame': 93366 obs. of 22 variables:
$ hhid : int 100101 100101 100101 100101 100101 100101 100101 100101 100101 100101 ...
$ province : int 1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
$ weight : num 266 266 266 266 266 ...
$ hhsz : int 5 5 5 5 5 5 5 5 5 5 ...
$ weight3 : num 1331 1331 1331 1331 1331 ...
$ psu : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
$ stratum : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
$ region : int 2 2 2 2 2 2 2 2 2 2 ...
$ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ hhid_string: chr "0100101" "0100101" "0100101" "0100101" ...
$ q09_c03 : int 801 818 803 804 811 823 890 815 892 893 ...
$ q09_c04 : int 1 1 3 1 1 2 1 4 1 1 ...
$ q09_c05a : int 1 1 1 1 1 1 1 1 1 1 ...
$ q09_c05b : int NA NA 1 NA NA 1 NA 1 NA NA ...
$ q09_c05c : int NA NA 1 NA NA NA NA 1 NA NA ...
$ q09_c05d : int NA NA NA NA NA NA NA 1 NA NA ...
$ q09_c06a : int 1 NA 1 NA NA NA NA NA NA NA ...
$ q09_c06b : int NA 1 2 1 1 2 1 4 1 1 ...
$ q09_c07 : int 25000 NA 250000 NA NA NA NA NA NA NA ...
$ q09_c08 : int NA 600000 260000 4200000 35000 100000 25000 175000 200000 16000 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...

```

```

- attr(*, "var.labels")= chr "unique hh identification " "province (2)" "urban or rural
households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 30 #### s10.healthmother #####
'data.frame': 4447 obs. of 34 variables:
 $ hhid : int 100101 100104 100106 100108 100109 100201 100202 100203 100206 100207 ...
 $ persid : int 10010102 10010401 10010603 10010802 10010902 10020105 10020202 10020302
10020602 10020702 ...
 $ province : int 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int 1 1 1 1 1 1 1 1 1 ...
 $ weight : num 266 266 266 266 266 ...
 $ hhsize : int 5 3 9 4 4 11 5 4 5 5 ...
 $ weight3 : num 1331 798 2395 1065 1065 ...
 $ psu : int 1001 1001 1001 1001 1001 1002 1002 1002 1002 1002 ...
 $ stratum : int 11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth : int 1 1 1 1 1 1 1 1 1 ...
 $ region : int 2 2 2 2 2 2 2 2 2 ...
 $ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ persid_string: chr "010010102" "010010401" "010010603" "010010802" ...
 $ hhid_string : chr "0100101" "0100104" "0100106" "0100108" ...
 $ q10_c01 : int 1 1 1 1 1 1 1 1 1 ...
 $ q10_c02 : int 2 1 3 2 2 5 2 2 2 ...
 $ q10_c03 : int 5 3 8 4 4 11 4 4 5 4 ...
 $ q10_c04 : int 2 2 2 2 2 1 2 1 2 1 ...
 $ q10_c05 : int 2 2 2 2 2 NA 2 NA 2 NA ...
 $ q10_c06 : int 2 1 1 1 1 1 1 1 1 2 ...
 $ q10_c07 : int 2 1 2 2 8 2 1 2 1 1 ...
 $ q10_c08 : int 1 1 1 1 1 1 1 1 1 2 ...
 $ q10_c09 : int 1 1 2 2 1 1 1 1 1 NA ...
 $ q10_c10 : int 2 1 1 2 2 1 1 1 1 1 ...
 $ q10_c11 : int NA 5 1 NA NA 3 3 3 3 3 ...
 $ q10_c12 : int 1 NA 2 1 1 NA NA NA NA NA ...
 $ q10_c13 : int 5 NA NA 5 3 NA NA NA NA NA ...
 $ q10_c14 : int 12 12 1 1 1 1 1 1 7 1 ...
 $ q10_c15a : int 1 1 4 3 3 3 3 3 3 3 ...
 $ q10_c15b : int 2 NA NA 2 5 NA 2 2 2 NA ...
 $ q10_c15c : int 3 NA NA 5 NA NA NA NA NA NA ...
 $ q10_c15d : int NA NA NA NA NA NA NA NA NA NA ...
 $ q10_c16 : int 2 2 2 1 1 2 1 2 1 2 ...

```

```

$ q10_c17      : int  2 2 2 1 1 2 2 2 2 2 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr  "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int   253 253 251 251 254 251 254 252 252 251 ...
- attr(*, "val.labels")= chr  "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr  "unique hh identification" "unique person identification"
"province (2)" "urban or rural households" ...
- attr(*, "version")= int  8
- attr(*, "label.table")=List of 5
..$ province   : Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int  1 2
.. ..- attr(*, "names")= chr  "urban" "rural"
..$ stratum    : Named int  11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr  "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "january" "february" "march" "april" ...
..$ region     : Named int  1 2 3
.. ..- attr(*, "names")= chr  "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 31 ##### s11.health2years #####
'data.frame':  2357 obs. of  40 variables:
 $ hhid      : int  100101 100109 100207 100308 100410 100510 100601 100605 100605 100701 ...
 $ persid    : int  10010105 10010904 10020704 10030804 10041004 10051004 10060103 10060503
10060504 10070105 ...
 $ province  : int  1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int  1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num  266 266 265 242 205 ...
 $ hhsize    : int  5 4 5 4 4 4 3 4 4 5 ...
 $ weight3    : num  1331 1065 1324 968 819 ...
 $ psu       : int  1001 1001 1002 1003 1004 1005 1006 1006 1006 1007 ...
 $ stratum   : int  11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth : int  1 1 1 1 7 7 10 10 10 10 ...
 $ region    : int  2 2 2 2 2 2 2 2 2 2 ...
 $ year      : int  2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ persid_string: chr  "010010105" "010010904" "010020704" "010030804" ...
 $ hhid_string  : chr  "0100101" "0100109" "0100207" "0100308" ...
 $ q11_c01     : int  1 1 1 1 1 1 1 1 2 1 ...
 $ q11_c02     : int  2 2 2 2 2 1 2 2 2 2 ...
 $ q11_c03     : int  5 4 4 4 4 4 3 3 4 5 ...
 $ q11_c04     : int  1 1 1 1 1 1 1 1 1 1 ...
 $ q11_c05     : int  1 1 2 1 1 1 1 1 1 1 ...
 $ q11_c06a    : int  5 4 NA 0 0 2 2 2 2 1 ...
 $ q11_c06b    : int  NA NA NA NA NA NA 1 1 1 1 ...
 $ q11_c07     : int  1 1 NA 1 1 1 1 1 1 1 ...
 $ q11_c08a    : int  1 1 NA 2 2 2 2 2 2 2 ...
 $ q11_c08b    : int  1 1 NA 1 1 1 2 2 2 1 ...
 $ q11_c09     : int  1 1 1 1 1 1 1 1 1 1 ...
 $ q11_c10     : int  2 2 2 2 2 2 2 2 2 2 ...
 $ q11_c11     : int  1 1 1 1 1 1 2 1 1 1 ...

```

```

$ q11_c12a      : int  1 1 1 1 1 2 NA 1 1 1 ...
$ q11_c12b      : int  7 8 6 12 10 NA NA 2 2 1 ...
$ q11_c12c      : int  2007 2007 2008 2008 2008 NA NA 2008 2009 2009 ...
$ q11_c13a      : int  2 2 1 1 1 1 NA 1 1 1 ...
$ q11_c13b      : int  NA NA 25 12 8 8 NA 28 23 24 ...
$ q11_c13c      : int  NA NA 4 12 12 12 NA 4 8 4 ...
$ q11_c13d      : int  NA NA 2008 2008 2008 2008 NA 2008 2009 2009 ...
$ q11_c14a      : int  4 3 1 2 3 1 NA 1 1 3 ...
$ q11_c14b      : int  11 12 8 12 12 12 NA 5 8 9 ...
$ q11_c14c      : int  2007 2007 2008 2008 2008 2008 NA 2008 2009 2009 ...
$ q11_c15a      : int  1 1 1 2 1 2 NA 1 1 1 ...
$ q11_c15b      : int  5 5 1 NA 12 NA NA 5 6 10 ...
$ q11_c15c      : int  2008 2008 2008 NA 2008 NA NA 2008 2009 2009 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr  "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int   253 253 251 251 254 251 254 252 252 251 ...
- attr(*, "val.labels")= chr  "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr  "unique hh identification" "unique person identification"
"province (2)" "urban or rural households" ...
- attr(*, "version")= int  8
- attr(*, "label.table")=List of 5
..$ province    : Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural  : Named int  1 2
.. ..- attr(*, "names")= chr  "urban" "rural"
..$ stratum     : Named int  11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr  "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "january" "february" "march" "april" ...
..$ region      : Named int  1 2 3
.. ..- attr(*, "names")= chr  "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 32 ##### s12.health5years #####
'data.frame':  5617 obs. of  29 variables:
 $ hhid      : int  100101 100104 100106 100108 100109 100201 100201 100202 100203 100205 ...
 $ persid    : int  10010105 10010403 10010608 10010804 10010904 10020110 10020111 10020204
10020304 10020506 ...
 $ province  : int  1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int  1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num  266 266 266 266 266 ...
 $ hhsize    : int  5 3 9 4 4 11 11 5 4 10 ...
 $ weight3    : num  1331 798 2395 1065 1065 ...
 $ psu       : int  1001 1001 1001 1001 1001 1002 1002 1002 1002 1002 ...
 $ stratum   : int  11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth : int  1 1 1 1 1 1 1 1 1 1 ...
 $ region    : int  2 2 2 2 2 2 2 2 2 2 ...
 $ year      : int  2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ persid_string: chr  "010010105" "010010403" "010010608" "010010804" ...
 $ hhid_string : chr  "0100101" "0100104" "0100106" "0100108" ...
 $ q12_c01    : int  1 1 1 1 1 1 2 1 1 1 ...

```

```

$ q12_c02      : int  5 3 8 4 4 10 11 4 4 6 ...
$ q12_c03      : int  1 1 2 1 3 1 1 3 1 1 ...
$ q12_c04      : int  1 1 1 1 1 1 1 1 1 1 ...
$ q12_c05      : int  7 98 98 2 2 98 98 2 98 98 ...
$ q12_c06      : int  2 1 1 1 1 1 1 1 1 1 ...
$ q12_c07      : int  1 1 1 1 1 1 1 1 1 1 ...
$ q12_c08      : int  2 2 2 2 2 1 1 2 2 2 ...
$ q12_c09a     : int  NA NA NA NA NA 1 1 NA NA NA ...
$ q12_c09b     : int  NA NA NA NA NA 1 1 NA NA NA ...
$ q12_c10a     : int  15 15 15 15 15 16 16 16 16 16 ...
$ q12_c10b     : int  1 1 1 1 1 1 1 1 1 1 ...
$ q12_c11      : num  77.4 92.1 104.2 99 76.5 ...
$ q12_c12      : int  2 1 1 1 2 1 1 1 1 1 ...
$ q12_c13      : num  9.1 12.8 16.4 14.2 8.1 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr  "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int   253 253 251 251 254 251 254 252 252 251 ...
- attr(*, "val.labels")= chr  "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr  "unique hh identification" "unique person identification"
"province (2)" "urban or rural households" ...
- attr(*, "version")= int  8
- attr(*, "label.table")=List of 5
..$ province   : Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int  1 2
.. ..- attr(*, "names")= chr  "urban" "rural"
..$ stratum     : Named int  11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr  "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "january" "february" "march" "april" ...
..$ region      : Named int  1 2 3
.. ..- attr(*, "names")= chr  "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 33 ##### s13b.healthexpenses #####
'data.frame':  57082 obs. of  26 variables:
 $ hhid      : int  100101 100101 100101 100101 100101 100102 100102 100102 100102 100103 ...
 $ persid    : int  10010101 10010102 10010103 10010104 10010105 10010201 10010202 10010203
10010204 10010301 ...
 $ province  : int  1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int  1 1 1 1 1 1 1 1 1 1 ...
 $ weight    : num  266 266 266 266 266 ...
 $ hhsize    : int  5 5 5 5 5 4 4 4 4 6 ...
 $ weight3    : num  1331 1331 1331 1331 1331 ...
 $ psu       : int  1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum   : int  11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth : int  1 1 1 1 1 1 1 1 1 1 ...
 $ region    : int  2 2 2 2 2 2 2 2 2 2 ...
 $ year      : int  2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ persid_string: chr  "010010101" "010010102" "010010103" "010010104" ...
 $ hhid_string : chr  "0100101" "0100101" "0100101" "0100101" ...

```



```

$ q13bc01      : int  1 2 3 4 5 1 2 3 4 1 ...
$ q13bc02      : int  2 2 2 2 2 1 2 2 2 2 ...
$ q13bc03      : int  NA NA NA NA NA 2 NA NA NA NA ...
$ q13bc04      : int  NA NA NA NA NA 2 NA NA NA NA ...
$ q13bc05      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q13bc06      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q13bc07      : int  0 3 0 0 0 0 0 0 0 0 ...
$ q13bc08      : int  0 0 0 0 0 0 0 0 0 0 ...
$ q13bc09a     : int  NA NA NA NA NA NA NA NA NA NA ...
$ q13bc09b     : int  NA NA NA NA NA NA NA NA NA NA ...
$ q13bc10      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q13bc11      : int  NA NA NA NA NA NA NA NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr  "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int   253 253 251 251 254 251 254 252 252 251 ...
- attr(*, "val.labels")= chr  "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr  "unique hh identification" "unique person identification"
"province (2)" "urban or rural households" ...
- attr(*, "version")= int  8
- attr(*, "label.table")=List of 5
..$ province   : Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int  1 2
.. ..- attr(*, "names")= chr  "urban" "rural"
..$ stratum    : Named int  11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr  "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "january" "february" "march" "april" ...
..$ region     : Named int  1 2 3
.. ..- attr(*, "names")= chr  "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```
## 34 ##### s14.disability #####
```

```
'data.frame': 57082 obs. of 27 variables:
```

```

$ hhid      : int  100101 100101 100101 100101 100101 100102 100102 100102 100102 100103 ...
$ persid    : int  10010101 10010102 10010103 10010104 10010105 10010201 10010202 10010203
10010204 10010301 ...
$ province  : int  1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int  1 1 1 1 1 1 1 1 1 1 ...
$ weight    : num  266 266 266 266 266 ...
$ hhsize    : int  5 5 5 5 5 4 4 4 4 6 ...
$ weight3    : num  1331 1331 1331 1331 1331 ...
$ psu       : int  1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
$ stratum   : int  11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth : int  1 1 1 1 1 1 1 1 1 1 ...
$ region    : int  2 2 2 2 2 2 2 2 2 2 ...
$ year      : int  2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ persid_string: chr  "010010101" "010010102" "010010103" "010010104" ...
$ hhid_string : chr  "0100101" "0100101" "0100101" "0100101" ...
$ q14_c01    : int  1 2 3 4 5 1 2 3 4 1 ...
$ q14_c02a   : int  0 0 0 0 0 0 0 0 0 0 ...

```

```

$ q14_c02b      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q14_c02c      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q14_c03a      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q14_c03b      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q14_c03c      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q14_c04a      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q14_c04b      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q14_c04c      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q14_c05a      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q14_c05b      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q14_c05c      : int  NA NA NA NA NA NA NA NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int  253 253 251 251 254 251 254 252 252 251 ...
- attr(*, "val.labels")= chr "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr "unique hh identification" "unique person identification"
"province (2)" "urban or rural households" ...
- attr(*, "version")= int  8
- attr(*, "label.table")=List of 5
..$ province    : Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural  : Named int  1 2
.. ..- attr(*, "names")= chr  "urban" "rural"
..$ stratum     : Named int  11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr  "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "january" "february" "march" "april" ...
..$ region      : Named int  1 2 3
.. ..- attr(*, "names")= chr  "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```
## 35 ##### s15.labor7days #####
```

```
'data.frame': 51460 obs. of 49 variables:
```

```

$ hhid      : int  100101 100101 100101 100101 100102 100102 100102 100102 100103 100103 ...
$ persid    : int  10010101 10010102 10010103 10010104 10010201 10010202 10010203 10010204
10010301 10010302 ...
$ province  : int  1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int  1 1 1 1 1 1 1 1 1 ...
$ weight    : num  266 266 266 266 266 ...
$ hhsize    : int  5 5 5 5 4 4 4 4 6 6 ...
$ weight3    : num  1331 1331 1331 1331 1065 ...
$ psu       : int  1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
$ stratum   : int  11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth : int  1 1 1 1 1 1 1 1 1 ...
$ region    : int  2 2 2 2 2 2 2 2 2 ...
$ year      : int  2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ persid_string: chr  "010010101" "010010102" "010010103" "010010104" ...
$ hhid_string : chr  "0100101" "0100101" "0100101" "0100101" ...
$ q15_c01    : int  1 2 3 4 1 2 3 4 1 2 ...
$ q15_c02    : int  1 1 3 3 1 2 3 3 1 2 ...
$ q15_c03    : int  1 1 2 2 1 1 2 2 1 1 ...

```

```

$ q15_c04      : int  NA NA 2 2 NA NA 2 2 NA NA ...
$ q15_c05b     : int  224 622 NA NA 631 631 NA NA 631 631 ...
$ q15_c06b     : int  8620 320 NA NA 112 112 NA NA 112 112 ...
$ q15_c07      : int  1 3 NA NA 3 3 NA NA 3 3 ...
$ q15_c08      : int  1 3 NA NA 3 3 NA NA 3 3 ...
$ q15_c09      : int  56 14 NA NA 56 30 NA NA 49 49 ...
$ q15_c10      : int  24 30 NA NA 15 15 NA NA 20 20 ...
$ q15_c11      : int  1 0 NA NA 0 0 NA NA 1 0 ...
$ q15_c12b     : int  631 NA NA NA NA NA NA NA NA 835 NA ...
$ q15_c13b     : int  112 NA NA NA NA NA NA NA NA 4920 NA ...
$ q15_c14      : int  3 NA NA NA NA NA NA NA 3 NA ...
$ q15_c15      : int  3 NA NA NA NA NA NA NA 1 NA ...
$ q15_c16      : int  10 NA NA NA NA NA NA NA 40 NA ...
$ q15_c17      : int  4 NA NA NA NA NA NA NA 6 NA ...
$ q15_c18      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q15_c19      : int  66 14 NA NA 56 30 NA NA 89 49 ...
$ q15_c20      : int  443000 NA NA NA NA NA NA NA 500000 NA ...
$ q15_c21      : int  3 3 NA NA 3 3 NA NA 3 3 ...
$ q15_c22      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q15_c23      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q15_c24      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q15_c25a     : int  NA NA NA NA NA NA NA NA NA NA ...
$ q15_c25b     : int  NA NA NA NA NA NA NA NA NA NA ...
$ q15_c26      : int  NA NA 2 2 NA NA 2 2 NA NA ...
$ q15_c27a     : int  NA NA NA NA NA NA NA NA NA NA ...
$ q15_c27b     : int  NA NA NA NA NA NA NA NA NA NA ...
$ q15_c27c     : int  NA NA NA NA NA NA NA NA NA NA ...
$ q15_c28      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q15_c29      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q15_c30a     : int  NA NA NA NA NA NA NA NA NA NA ...
$ q15_c30b     : int  NA NA NA NA NA NA NA NA NA NA ...
$ q15_c31      : int  NA NA 7 7 NA NA 7 7 NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int 253 253 251 251 254 251 254 252 251 ...
- attr(*, "val.labels")= chr "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr "unique hh identification" "unique person identification"
"province (2)" "urban or rural households" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province   : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum    : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region     : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```
## 36 ##### s16.labor12months #####
'data.frame': 51460 obs. of 23 variables:
 $ hhid      : int  100101 100101 100101 100101 100102 100102 100102 100102 100103 100103 ...
 $ persid    : int  10010101 10010102 10010103 10010104 10010201 10010202 10010203 10010204
10010301 10010302 ...
 $ province  : int  1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int  1 1 1 1 1 1 1 1 1 ...
 $ weight    : num  266 266 266 266 266 ...
 $ hhsize    : int  5 5 5 5 4 4 4 4 6 ...
 $ weight3    : num  1331 1331 1331 1331 1065 ...
 $ psu       : int  1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum   : int  11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth : int  1 1 1 1 1 1 1 1 1 ...
 $ region    : int  2 2 2 2 2 2 2 2 2 ...
 $ year      : int  2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ persid_string: chr  "010010101" "010010102" "010010103" "010010104" ...
 $ hhid_string : chr  "0100101" "0100101" "0100101" "0100101" ...
 $ q16_c01    : int  1 2 3 4 1 2 3 4 1 2 ...
 $ q16_c02    : int  1 4 5 5 1 4 5 5 1 1 ...
 $ q16_c03    : int  11 NA NA NA 9 NA NA NA 11 9 ...
 $ q16_c04b   : chr  "224" "" "" "" "" ...
 $ q16_c05    : int  1 NA NA NA 3 NA NA NA 1 3 ...
 $ q16_c06b   : chr  "8620" "" "" "" "" ...
 $ q16_c07    : int  1 NA NA NA 3 NA NA NA 3 3 ...
 $ q16_c08    : int  1 1 1 1 2 2 1 1 1 4 ...
 $ q16_c09    : int  2 NA 2 2 2 NA 2 2 3 2 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr ""
 - attr(*, "formats")= chr  "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int  253 253 251 251 254 251 254 252 252 251 ...
 - attr(*, "val.labels")= chr  "" "" "province" "urbanrural" ...
 - attr(*, "var.labels")= chr  "unique hh identification " "unique person identification"
"province (2)" "urban or rural households" ...
 - attr(*, "version")= int  8
 - attr(*, "label.table")=List of 5
 ..$ province : Named int  1 2 3 4 5 6 7 8 9 10 ...
 .. ..- attr(*, "names")= chr  "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
 ..$ urbanrural : Named int  1 2
 .. ..- attr(*, "names")= chr  "urban" "rural"
 ..$ stratum : Named int  11 12 21 22 31 32 41 42 51 52 ...
 .. ..- attr(*, "names")= chr  "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
 ..$ surveymonth: Named int  1 2 3 4 5 6 7 8 9 10 ...
 .. ..- attr(*, "names")= chr  "january" "february" "march" "april" ...
 ..$ region : Named int  1 2 3
 .. ..- attr(*, "names")= chr  "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL
```

```
## 37 ##### s17b.theft #####
'data.frame': 328 obs. of 22 variables:
 $ hhid      : int  100204 100303 100401 100407 100408 100805 102003 103305 103611 200309 ...
 $ persid    : int  10020403 10030301 10040102 10040701 10040802 10080502 10200303 10330501
```

```

10361198 20030998 ...
$ province      : int  1 1 1 1 1 1 1 1 1 2 ...
$ urbanrural    : int  1 1 1 1 1 1 2 2 2 1 ...
$ weight        : num 265 242 205 205 205 ...
$ hhsize        : int  6 2 3 3 5 6 6 5 6 5 ...
$ weight3       : num 1588 484 614 614 1023 ...
$ psu           : int 1002 1003 1004 1004 1004 1008 1020 1033 1036 2003 ...
$ stratum       : int 11 11 11 11 11 11 12 12 12 21 ...
$ surveymonth   : int  1 1 7 7 7 11 1 8 2 8 ...
$ region        : int  2 2 2 2 2 2 3 3 3 2 ...
$ year          : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ persid_string : chr  "010020403" "010030301" "010040102" "010040701" ...
$ hhid_string   : chr  "0100204" "0100303" "0100401" "0100407" ...
$ q17bc01       : int  1 1 1 1 1 1 1 1 1 1 ...
$ q17bc02       : int  3 1 2 1 2 2 3 1 98 98 ...
$ q17bc03       : int  4 12 10 2 6 4 12 3 7 7 ...
$ q17bc04       : int  1 2 1 1 1 1 1 1 2 1 ...
$ q17bc05       : int  2 2 2 2 2 2 2 1 1 2 ...
$ q17bc06       : int  NA NA NA NA NA NA NA 2 1 NA ...
$ q17bc07       : int  2 2 2 2 2 2 2 2 2 ...
$ q17bc08       : int 250000 30000 370000 57000 170000 180000 400000 1500000 180000 50000 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr  "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int   253 253 251 251 254 251 254 252 252 251 ...
- attr(*, "val.labels")= chr  "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr  "unique hh identification" "" "province (2)" "urban or rural
households" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
.. $ province      : Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
.. $ urbanrural    : Named int  1 2
.. ..- attr(*, "names")= chr  "urban" "rural"
.. $ stratum       : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr  "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
.. $ surveymonth   : Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "january" "february" "march" "april" ...
.. $ region        : Named int  1 2 3
.. ..- attr(*, "names")= chr  "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 38 ##### s17c.accidents #####
'data.frame': 654 obs. of 20 variables:
 $ hhid          : int 100103 100104 100105 100106 100110 100110 100201 100206 100210 100405 ...
 $ persid        : int 10010301 10010401 10010503 10010609 10011003 10011003 10020108 10020604
10021006 10040503 ...
 $ province      : int  1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural    : int  1 1 1 1 1 1 1 1 1 1 ...
 $ weight        : num 266 266 266 266 266 ...
 $ hhsize        : int  6 3 7 9 7 7 11 5 6 4 ...
 $ weight3       : num 1597 798 1863 2395 1863 ...

```

```

$ psu      : int 1001 1001 1001 1001 1001 1001 1002 1002 1002 1004 ...
$ stratum  : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth : int 1 1 1 1 1 1 1 1 7 ...
$ region   : int 2 2 2 2 2 2 2 2 2 ...
$ year     : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ persid_string: chr "010010301" "010010401" "010010503" "010010609" ...
$ hhid_string : chr "0100103" "0100104" "0100105" "0100106" ...
$ q17cc01   : int 1 1 1 1 1 2 1 1 1 1 ...
$ q17cc02   : int 1 1 3 9 3 3 8 4 6 3 ...
$ q17cc03   : int 2 3 3 2 3 1 3 5 5 3 ...
$ q17cc04   : int 7 3 4 5 9 12 3 2 9 3 ...
$ q17cc05   : int 2 2 1 1 1 2 1 1 1 2 ...
$ q17cc06   : int 1 1 3 2 2 1 2 1 1 2 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int 253 253 251 251 254 251 254 252 252 251 ...
- attr(*, "val.labels")= chr "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr "unique hh identification" "unique person identification"
"province (2)" "urban or rural households" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 39 ##### s17d.violance #####
'data.frame': 57074 obs. of 26 variables:
$ hhid      : int 100101 100101 100101 100101 100101 100102 100102 100102 100102 100103 ...
$ persid    : int 10 10 10 10 10 10 10 10 10 10 ...
$ province  : int NA NA NA NA NA NA NA NA NA NA ...
$ urbanrural : int NA NA NA NA NA NA NA NA NA NA ...
$ weight    : int NA NA NA NA NA NA NA NA NA NA ...
$ hhsize    : int NA NA NA NA NA NA NA NA NA NA ...
$ weight3   : int NA NA NA NA NA NA NA NA NA NA ...
$ psu       : int NA NA NA NA NA NA NA NA NA NA ...
$ stratum   : int NA NA NA NA NA NA NA NA NA NA ...
$ surveymonth : int NA NA NA NA NA NA NA NA NA NA ...
$ region    : int NA NA NA NA NA NA NA NA NA NA ...
$ year      : int NA NA NA NA NA NA NA NA NA NA ...
$ persid_string: chr "010010101" "010010102" "010010103" "010010104" ...
$ hhid_string : chr "0100101" "0100101" "0100101" "0100101" ...
$ q17dc01    : int 1 2 3 4 5 1 2 3 4 1 ...
$ q17dc02    : int 2 2 2 2 2 2 2 2 2 2 ...

```

```

$ q17dc03a : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc03b : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc03c : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc04 : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc05 : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc06 : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc07 : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc08 : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc09 : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc10 : int NA NA NA NA NA NA NA NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int 253 252 251 251 251 251 251 251 251 251 ...
- attr(*, "val.labels")= chr "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr "unique hh identification" "unique person identification"
"province (2)" "urban or rural households" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```
## 40 #### s17d.violence #####
```

```
'data.frame': 57074 obs. of 26 variables:
```

```

$ hhid : int 100101 100101 100101 100101 100101 100102 100102 100102 100102 100103 ...
$ persid : int 10010101 10010102 10010103 10010104 10010105 10010201 10010202 10010203
10010204 10010301 ...
$ province : int 1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
$ weight : num 266 266 266 266 266 ...
$ hhsize : int 5 5 5 5 5 4 4 4 4 6 ...
$ weight3 : num 1331 1331 1331 1331 1331 ...
$ psu : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
$ stratum : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth : int 1 1 1 1 1 1 1 1 1 1 ...
$ region : int 2 2 2 2 2 2 2 2 2 2 ...
$ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
$ persid_string: chr "010010101" "010010102" "010010103" "010010104" ...
$ hhid_string : chr "0100101" "0100101" "0100101" "0100101" ...
$ q17dc01 : int 1 2 3 4 5 1 2 3 4 1 ...
$ q17dc02 : int 2 2 2 2 2 2 2 2 2 2 ...
$ q17dc03a : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc03b : int NA NA NA NA NA NA NA NA NA NA ...

```

```

$ q17dc03c : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc04 : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc05 : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc06 : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc07 : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc08 : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc09 : int NA NA NA NA NA NA NA NA NA NA ...
$ q17dc10 : int NA NA NA NA NA NA NA NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int 253 253 251 251 254 251 254 252 252 251 ...
- attr(*, "val.labels")= chr "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr "unique hh identification" "unique person identification"
"province (2)" "urban or rural households" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 41 ##### s18.presenseinhh #####
'data.frame': 57074 obs. of 31 variables:
 $ hhid : int 100101 100101 100101 100101 100101 100102 100102 100102 100102 100103 ...
 $ persid : int 10010101 10010102 10010103 10010104 10010105 10010201 10010202 10010203
10010204 10010301 ...
 $ province : int 1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
 $ weight : num 266 266 266 266 266 ...
 $ hhsize : int 5 5 5 5 5 4 4 4 4 6 ...
 $ weight3 : num 1331 1331 1331 1331 1331 ...
 $ psu : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum : int 11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth : int 1 1 1 1 1 1 1 1 1 1 ...
 $ region : int 2 2 2 2 2 2 2 2 2 2 ...
 $ year : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ persid_string: chr "010010101" "010010102" "010010103" "010010104" ...
 $ hhid_string : chr "0100101" "0100101" "0100101" "0100101" ...
 $ q18_c01 : int 1 2 3 4 5 1 2 3 4 1 ...
 $ q18_c02a : int 1 1 1 1 1 1 1 1 2 ...
 $ q18_c02b : int NA NA NA NA NA NA NA NA NA 5 ...
 $ q18_c02c : int NA NA NA NA NA NA NA NA NA 2 ...
 $ q18_c02d : int NA NA NA NA NA NA NA NA NA 10000 ...
 $ q18_c03a : int 1 1 1 1 1 1 1 1 2 ...

```



```

$ q18_c03b      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q18_c03c      : int  NA NA NA NA NA NA NA NA NA NA 2 ...
$ q18_c03d      : int  NA NA NA NA NA NA NA NA NA NA 120000 ...
$ q18_c04a      : int  1 1 1 1 1 1 1 1 1 2 ...
$ q18_c04b      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q18_c04c      : int  NA NA NA NA NA NA NA NA NA NA 2 ...
$ q18_c04d      : int  NA NA NA NA NA NA NA NA NA NA 100000 ...
$ q18_c05a      : int  1 1 1 1 1 1 1 1 1 ...
$ q18_c05b      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q18_c05c      : int  NA NA NA NA NA NA NA NA NA NA ...
$ q18_c05d      : int  NA NA NA NA NA NA NA NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr  "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int   253 253 251 251 254 251 254 252 252 251 ...
- attr(*, "val.labels")= chr  "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr  "unique hh identification" "unique person identification"
"province (2)" "urban or rural households" ...
- attr(*, "version")= int  8
- attr(*, "label.table")=List of 5
..$ province    : Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural  : Named int  1 2
.. ..- attr(*, "names")= chr  "urban" "rural"
..$ stratum     : Named int  11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr  "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "january" "february" "march" "april" ...
..$ region      : Named int  1 2 3
.. ..- attr(*, "names")= chr  "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 42 ##### s99.singlequestions #####
'data.frame': 11971 obs. of 42 variables:
 $ hhid      : int  100101 100102 100103 100104 100105 100106 100107 100108 100109 100110 ...
 $ province   : int  1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int  1 1 1 1 1 1 1 1 1 1 ...
 $ weight     : num  266 266 266 266 266 ...
 $ hhsize     : int  5 4 6 3 7 9 2 4 4 7 ...
 $ weight3    : num  1331 1065 1597 798 1863 ...
 $ psu        : int  1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum    : int  11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth: int  1 1 1 1 1 1 1 1 1 1 ...
 $ region     : int  2 2 2 2 2 2 2 2 2 2 ...
 $ year       : int  2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
 $ hhid_string: chr  "0100101" "0100102" "0100103" "0100104" ...
 $ q01bq1     : int  2 2 1 2 1 1 1 1 1 1 ...
 $ q03bq1     : int  2 2 2 2 2 1 2 2 2 2 ...
 $ q05aq1a    : int  2 2 2 2 2 2 2 2 2 2 ...
 $ q05aq1b    : int  NA NA NA NA NA NA NA NA NA NA ...
 $ q05aq2     : int  1 1 1 2 1 1 2 1 1 1 ...
 $ q05aq3     : int  2 4 1 NA 1 4 NA 2 1 1 ...

```

```

$ q05bq1      : int  1 1 1 NA 1 1 NA 1 1 1 ...
$ q05dq1      : int  2 2 2 NA 1 2 NA 2 2 2 ...
$ q05eq1      : int  1 1 1 2 1 1 1 1 1 2 ...
$ q05fq1      : int  1 2 2 2 2 2 2 2 2 2 ...
$ q05fq2      : int  1 NA NA NA NA NA NA NA NA ...
$ q05fq3      : int  1 2 2 2 2 2 2 2 1 2 ...
$ q05gq1      : int  2 1 1 2 2 2 2 2 1 2 ...
$ q05gq2      : int  2 2 2 2 2 2 2 2 2 2 ...
$ q05hq1      : int  2 2 2 2 1 1 1 1 2 2 ...
$ q06_q1      : int  1 2 2 2 1 2 1 1 2 1 ...
$ q08_q1      : int  1 1 1 1 1 1 1 1 2 1 ...
$ q10_q1      : int  1 2 2 1 2 1 2 1 1 2 ...
$ q11_q1      : int  1 2 2 2 2 2 2 2 1 2 ...
$ q12_q1      : int  1 2 2 1 2 1 2 1 1 2 ...
$ q13aq1      : int  2 2 2 2 2 2 2 2 2 2 ...
$ q13aq2a     : int  NA NA NA NA NA NA NA NA NA ...
$ q13aq2b     : int  NA NA NA NA NA NA NA NA NA ...
$ q13aq2c     : int  NA NA NA NA NA NA NA NA NA ...
$ q13aq3      : int  NA NA NA NA NA NA NA NA NA ...
$ q13aq4      : int  2 2 2 2 2 2 2 2 2 2 ...
$ q17aq1      : int  1 1 1 1 1 1 1 1 2 2 ...
$ q17aq2      : int  2 1 1 1 1 1 2 1 2 2 ...
$ q17bq1      : int  2 2 2 2 2 2 2 2 2 2 ...
$ q17cq1      : int  2 2 1 1 1 1 2 2 2 1 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr  "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int   253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr  "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr  "unique hh identification" "province (2)" "urban or rural
households" "weight" ...
- attr(*, "version")= int  8
- attr(*, "label.table")=List of 5
..$ province   : Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int  1 2
.. ..- attr(*, "names")= chr  "urban" "rural"
..$ stratum    : Named int  11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr  "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int  1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr  "january" "february" "march" "april" ...
..$ region     : Named int  1 2 3
.. ..- attr(*, "names")= chr  "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```

## 43 ##### weighthh #####
'data.frame': 11971 obs. of 11 variables:
$ hhid      : int  100101 100102 100103 100104 100105 100106 100107 100108 100109 100110 ...
$ province  : int  1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural: int  1 1 1 1 1 1 1 1 1 1 ...
$ weight    : num  266 266 266 266 266 ...
$ hhsz     : int  5 4 6 3 7 9 2 4 4 7 ...

```

```

$ weight3      : num 1331 1065 1597 798 1863 ...
$ psu          : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
$ stratum      : int 11 11 11 11 11 11 11 11 11 11 ...
$ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
$ region       : int 2 2 2 2 2 2 2 2 2 2 ...
$ year         : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%8.0g" "%8.0g" "%9.0g" ...
- attr(*, "types")= int 253 251 251 254 251 254 252 252 251 251 ...
- attr(*, "val.labels")= chr "" "province" "urbanrural" "" ...
- attr(*, "var.labels")= chr "unique hh identification" "province (2)" "urban or rural households" "weight" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province   : Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum     : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region      : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)" "other rural (outside p.p.)"
NULL

```

```

## 44 ##### weightpersons #####
'data.frame': 57105 obs. of 12 variables:
 $ hhid       : int 100101 100101 100101 100101 100101 100101 100102 100102 100102 100102 100103 ...
 $ persid     : int 10010101 10010102 10010103 10010104 10010105 10010201 10010202 10010203 10010204 10010301 ...
 $ province   : int 1 1 1 1 1 1 1 1 1 1 ...
 $ urbanrural : int 1 1 1 1 1 1 1 1 1 1 ...
 $ weight     : num 266 266 266 266 266 ...
 $ hhsize     : int 5 5 5 5 5 4 4 4 4 6 ...
 $ weight3    : num 1331 1331 1331 1331 1331 ...
 $ psu        : int 1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
 $ stratum    : int 11 11 11 11 11 11 11 11 11 11 ...
 $ surveymonth: int 1 1 1 1 1 1 1 1 1 1 ...
 $ region     : int 2 2 2 2 2 2 2 2 2 2 ...
 $ year       : int 2009 2009 2009 2009 2009 2009 2009 2009 2009 2009 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr "%12.0g" "%12.0g" "%8.0g" "%8.0g" ...
- attr(*, "types")= int 253 253 251 251 254 251 254 252 252 251 ...
- attr(*, "val.labels")= chr "" "" "province" "urbanrural" ...
- attr(*, "var.labels")= chr "unique hh identification" "unique person identification" "province (2)" "urban or rural households" ...
- attr(*, "version")= int 8
- attr(*, "label.table")=List of 5
..$ province   : Named int 1 2 3 4 5 6 7 8 9 10 ...

```

```

.. ..- attr(*, "names")= chr "banteay meanchey" "battambang" "kampong cham" "kampong
chhnang" ...
..$ urbanrural : Named int 1 2
.. ..- attr(*, "names")= chr "urban" "rural"
..$ stratum : Named int 11 12 21 22 31 32 41 42 51 52 ...
.. ..- attr(*, "names")= chr "banteay meanchey urban" "banteay meanchey rural" "battambang
urban" "battambang rural" ...
..$ surveymonth: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "january" "february" "march" "april" ...
..$ region : Named int 1 2 3
.. ..- attr(*, "names")= chr "phnom penh (urban and rural)" "other urban (outside p.p.)"
"other rural (outside p.p.)"
NULL

```

```
## 45 ##### IncomeCSES09 #####
```

```
'data.frame': 11971 obs. of 103 variables:
```

```

$ hhid : int 100101 100102 100103 100104 100105 100106 100107 100108
100109 100110 ...
$ weighthh : num 266 266 266 266 266 ...
$ weighthhpers : num 1401 1134 1669 834 2000 ...
$ hhsize : int 5 4 6 3 7 9 2 4 4 7 ...
$ salary : int 5316000 0 6000000 6312000 0 0 0 3000000 0 1140000 ...
$ diarysalarycash : int 9804000 0 720000 1710000 0 0 0 0 1020000 ...
$ diarysalaryinkind : int 0 0 0 0 0 0 0 0 0 ...
$ costcrop : int 339200 848000 447000 0 508000 1607500 0 2855000 175500
543000 ...
$ costlivestock : int 65000 165000 52000 0 90000 160000 25000 240000 180000
0 ...
$ costfish : int 2510000 0 0 0 0 0 0 30000 0 ...
$ costforestry : int 0 120000 20000 0 0 0 0 12000 0 ...
$ receiptcrop : num 770250 4110000 525000 0 1920000 ...
$ receiptlivestock : int 0 32000 0 0 20000 260000 0 80000 35000 0 ...
$ receiptfish : int 285000 0 0 0 0 0 0 472000 0 ...
$ receiptforestry : int 0 610000 950000 0 0 0 0 215000 0 ...
$ agriincome : num -1858950 3619000 956000 0 1342000 ...
$ costnonagri : num 0 0 0 0 450000 ...
$ receiptnonagri : num 0.0 0.0 0.0 0.0 1.4e+07 ...
$ nonagriincome : num 0 0 0 0 13550000 ...
$ incomeownhouse : int 660000 18000 15000 63000 962352 24000 69000 39000 0
36000 ...
$ bankinterest : int 0 0 0 0 0 0 0 0 0 ...
$ interestother loans : int 0 0 0 0 0 0 0 0 0 ...
$ dividends : int 0 0 0 0 0 0 0 0 0 ...
$ rentfromland : int 0 0 0 0 0 0 0 0 0 ...
$ grosspropertyincome : int 0 0 0 0 0 0 0 0 0 ...
$ interestpaidagri : int 0 0 0 0 0 0 0 0 0 ...
$ interestpaidnonagri : int 0 0 0 0 0 0 0 0 0 ...
$ interestpaidownoccupied : int 0 0 0 0 78431 0 0 0 0 ...
$ interestpaidnet : int 0 0 0 0 0 0 43689 116504 0 72727 ...
$ propertyincome : int 0 0 0 0 0 0 -43689 -116504 0 -72727 ...
$ primaryincome : num 4117050 3637000 6971000 6375000 15854352 ...
$ pensiondomestic : int 0 0 0 0 0 0 0 0 0 ...
$ pensionabroad : int 0 0 0 0 0 0 0 0 0 ...
$ pension : int 0 0 0 0 0 0 0 0 0 ...
$ ngostransfers : int 0 0 0 0 0 0 0 0 0 ...

```

```

$ remittancedomestic      : int  0 0 0 0 5000000 0 0 0 0 500000 ...
$ remittanceabroad       : int  0 0 0 0 0 800000 0 0 0 0 ...
$ totalprivatetransfers   : int  0 0 0 0 5000000 800000 0 0 0 500000 ...
$ scholarshipgovernment  : int  0 0 0 0 0 0 0 0 0 0 ...
$ scholarshipngo          : int  0 0 0 0 0 0 0 0 0 0 ...
$ totalscholarship       : int  0 0 0 0 0 0 0 0 0 0 ...
$ gifts                  : int  0 0 80000 0 0 0 0 0 0 0 ...
$ othertransfer          : int  0 0 0 0 0 0 0 0 0 0 ...
$ totaltransfers         : int  0 0 80000 0 5000000 800000 0 0 0 500000 ...
$ totalincome            : num  4117050 3637000 7051000 6375000 20854352 ...
$ wageratio              : num  1.29 0 0.85 0.99 0 ...
$ agriratio              : num  -0.45 1 0.14 0 0.06 ...
$ otherselfempratio      : num  0.16 0 0 0.01 0.7 ...
$ propertyratio          : num  0 0 0 0 0 ...
$ transfersratio         : num  0 0 0.01 0 0.24 ...
$ diarytaxes             : int  0 0 0 0 0 0 0 0 0 0 ...
$ diaryinterhhtransfers  : int  0 182400 0 0 0 0 174000 8400 0 0 ...
$ diarycashtransferchar  : int  0 0 0 0 0 42000 0 0 0 0 ...
$ diarytotalnegativetransfers : int  0 182400 0 0 0 42000 174000 8400 0 0 ...
$ disposableincome       : num  4117050 3454600 7051000 6375000 20854352 ...
$ diarycostagri          : int  150000 2028000 0 0 0 0 3600 6000000 30000 0 ...
$ diaryreceiptagri       : num  111600 818400 7566000 0 1642800 ...
$ diaryagriincome        : num  -38400 -1209600 7566000 0 1642800 ...
$ diarycostnonagri       : num  0 0 0 0 0 ...
$ diaryreceiptnonagri    : num  0 0 0 0 0 ...
$ diarynonagriincome     : num  0 0 0 0 0 ...
$ diarybankinterest      : int  0 0 0 0 0 0 0 0 0 0 ...
$ diaryinterestotherloans : int  0 0 0 0 0 0 0 0 0 0 ...
$ diarydividends         : int  0 0 0 0 0 0 0 0 0 0 ...
$ diaryotherfinancialaccount : int  0 0 0 0 0 0 0 0 0 0 ...
$ diarygrosspropertyincome : int  0 0 0 0 0 0 0 0 0 0 ...
$ diarypropertyincome    : int  0 0 0 0 0 0 0 0 0 0 ...
$ diaryprimaryincome     : num  9765600 -1209600 8286000 1710000 1642800 ...
$ diarypensiondomestic   : int  0 0 0 0 0 0 0 0 0 0 ...
$ diarypensionabroad     : int  0 0 0 0 0 0 0 0 0 0 ...
$ diarypension           : int  0 0 0 0 0 0 0 0 0 0 ...
$ diaryinsurancedomestic : int  0 0 0 0 0 0 0 0 0 0 ...
$ diaryinsuranceabroad   : int  0 0 0 0 0 0 0 0 0 0 ...
$ diaryngotransfers      : int  0 0 0 0 0 0 0 0 0 0 ...
$ diaryremittancedomestic : int  0 0 0 0 0 120000 0 0 0 0 ...
$ diaryremittanceabroad  : int  0 0 0 0 0 0 0 0 0 0 ...
$ diarytotalprivatetransfers : int  0 0 0 0 0 120000 0 0 0 0 ...
$ diaryscholarship       : int  0 0 0 0 0 0 0 0 0 0 ...
$ diarygifts             : int  162000 0 18000 0 0 488400 0 0 0 0 ...
$ diaryothertransfers    : int  96000 96000 96000 96000 96000 96000 96000 96000 96000
96000 ...
$ diarytotaltransfers    : int  258000 96000 114000 96000 96000 704400 96000 96000
96000 96000 ...
$ diarytotalincome       : num  10023600 -1113600 8400000 1806000 1738800 ...
$ diarydisposableincome  : num  10023600 -1296000 8400000 1806000 1738800 ...
$ psuchar                : chr  "100101" "100102" "100103" "100104" ...
$ psu1                   : chr  "1001" "1001" "1001" "1001" ...
$ psu                    : int  1001 1001 1001 1001 1001 1001 1001 1001 1001 1001 ...
$ areaid                 : int  361 361 361 361 361 361 361 361 361 361 ...
$ dprovince              : int  1 1 1 1 1 1 1 1 1 1 ...
$ urbanrural             : int  1 1 1 1 1 1 1 1 1 1 ...

```

```

$ dregion          : int  2 2 2 2 2 2 2 2 2 2 ...
$ dzone            : int  2 2 2 2 2 2 2 2 2 2 ...
$ blillan          : int  10 10 10 10 10 10 10 10 10 10 ...
$ bstoran          : num  2661 2661 2661 2661 2661 ...
$ agriadj          : int  4000 3619000 956000 0 1342000 3532500 4000 4000 946100
342000 ...
$ nonagriadj       : int  0 0 0 0 13550000 5125000 5309240 28710400 0 0 ...
$ propertyadj      : int  0 0 0 0 0 0 4000 4000 0 4000 ...
$ ownhouseadj      : int  660000 18000 15000 63000 962352 24000 69000 39000 0
36000 ...
$ adjdisp          : int  5980000 3454600 7051000 6375000 20854352 9439500
5212240 31749000 946100 2022000 ...
$ adjdispcapita    : num  1196000 863650 1175167 2125000 2979193 ...
  [list output truncated]
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr ""
- attr(*, "formats")= chr  "%12.0g" "%9.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int   253 254 254 251 253 253 253 253 253 253 ...
- attr(*, "val.labels")= chr  "" "" "" "" ...
- attr(*, "var.labels")= chr  "hhid" "weighthh" "weighthhpers" "hhsz" ...
- attr(*, "version")= int  8
NULL

```

Generated list of variable names in each data frame

```

> var.names<-list()
> for(j in 1:45){
+   var.names<-c(var.names, list(attributes(outfiles[[j]])$var.labels))
+ }

```

Example: S01A.hhmembers (j=3)

```

> var.names[[3]]
[1] "Person ID"
[2] "Household ID"
[3] "ID number"
[4] "Sex"
[5] "Day of birth"
[6] "Month of birth"
[7] "Year of birth"
[8] "Age"
[9] "Relationship to the head"
[10] "Father live in the household"
[11] "Mother live in the household"
[12] "marital status"
[13] "Spouser live in the household"
[14] "ethnicity"
[15] "speak Khmer"
[16] "speak (1st) other languages than Khmer"
[17] "speak (2nd) other languages than Khmer"
[18] "speak (3rd) other languages than Khmer"
[19] "present all days last week"

```

[20] "No of weeks absent from home during the past 12 months"

Chapert 5. Data Check

5.1 Summary of each data file

Displayed the summary of each data file

```
> for(j in 1:45) {
+ cat("##", j, "#### ", Rnames[j], " #####\n")
+ print(summary(outfiles[[j]]))
+ cat("\n\n")
+ }
```

```
## 1 ##### 09dy.expenditure #####
```

hhid	province	urbanrural	weight	hhsiz
Min. : 100101	Min. : 1.000	Min. : 1.00	Min. : 45.06	Min. : 1.000
1st Qu.: 308510	1st Qu.: 3.000	1st Qu.: 2.00	1st Qu.: 228.30	1st Qu.: 4.000
Median : 804919	Median : 8.000	Median : 2.00	Median : 245.88	Median : 5.000
Mean : 986380	Mean : 9.835	Mean : 1.78	Mean : 245.09	Mean : 4.935
3rd Qu.: 1405104	3rd Qu.: 14.000	3rd Qu.: 2.00	3rd Qu.: 264.81	3rd Qu.: 6.000
Max. : 2400320	Max. : 24.000	Max. : 2.00	Max. : 591.08	Max. : 15.000

weight3	psu	stratum	surveymonth	region
Min. : 45.06	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. : 1.000
1st Qu.: 819.76	1st Qu.: 3085	1st Qu.: 32.0	1st Qu.: 4.000	1st Qu.: 3.000
Median : 1151.64	Median : 8049	Median : 82.0	Median : 7.000	Median : 3.000
Mean : 1211.43	Mean : 9864	Mean : 100.1	Mean : 6.531	Mean : 2.668
3rd Qu.: 1510.53	3rd Qu.: 14051	3rd Qu.: 142.0	3rd Qu.: 10.000	3rd Qu.: 3.000
Max. : 5319.70	Max. : 24003	Max. : 242.0	Max. : 12.000	Max. : 3.000

year	pkid	hhid_string	lineid	diaryexp_q2
Min. : 2009	Min. : 1	Length: 2620999	Min. : 101.0	Min. : 10
1st Qu.: 2009	1st Qu.: 659317	Class : character	1st Qu.: 413.0	1st Qu.: 807
Median : 2009	Median : 1317754	Mode : character	Median : 807.0	Median : 1602
Mean : 2009	Mean : 1318229		Mean : 828.5	Mean : 1574
3rd Qu.: 2009	3rd Qu.: 1977368		3rd Qu.: 1205.0	3rd Qu.: 2309
Max. : 2009	Max. : 2637002		Max. : 5014.0	Max. : 5001

diaryexp_q5	diaryexp_q6	diaryexp_q7	diaryexp_q8
Min. : 1.000	Min. : 0.0	Min. : 0	Min. : 1.0
1st Qu.: 3.000	1st Qu.: 0.4	1st Qu.: 600	1st Qu.: 1.0
Median : 3.000	Median : 1.0	Median : 1300	Median : 1.0
Mean : 4.391	Mean : 25.0	Mean : 7358	Mean : 2.1
3rd Qu.: 5.000	3rd Qu.: 2.0	3rd Qu.: 3000	3rd Qu.: 5.0
Max. : 11.000	Max. : 792000.0	Max. : 604497800	Max. : 5.0
	NA's : 126231		

diaryexp_q9	diaryexp_q10	diaryexp_q11	diaryexp_q2_string
Min. : 1.000	Min. : 1.000	Min. : 1010	Length: 2620999
1st Qu.: 1.000	1st Qu.: 1.000	1st Qu.: 1186	Class : character
Median : 2.000	Median : 1.000	Median : 1356	Mode : character
Mean : 1.849	Mean : 1.194	Mean : 2255	
3rd Qu.: 2.000	3rd Qu.: 1.000	3rd Qu.: 3300	
Max. : 5.000	Max. : 12.000	Max. : 9998	

2 ##### 09dy.income

hhid	province	urbanrural	weight	hhsz
Min. : 100101	Min. : 1.00	Min. : 1.000	Min. : 45.06	Min. : 1.000
1st Qu.: 308619	1st Qu.: 3.00	1st Qu.: 2.000	1st Qu.: 231.22	1st Qu.: 4.000
Median : 803903	Median : 8.00	Median : 2.000	Median : 246.75	Median : 5.000
Mean : 1009857	Mean : 10.07	Mean : 1.906	Mean : 248.05	Mean : 4.887
3rd Qu.: 1600416	3rd Qu.: 16.00	3rd Qu.: 2.000	3rd Qu.: 264.07	3rd Qu.: 6.000
Max. : 2400320	Max. : 24.00	Max. : 2.000	Max. : 591.08	Max. : 15.000

weight3	psu	stratum	surveymonth	region
Min. : 45.06	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. : 1.000
1st Qu.: 827.31	1st Qu.: 3086	1st Qu.: 32.0	1st Qu.: 4.000	1st Qu.: 3.000
Median : 1152.92	Median : 8039	Median : 82.0	Median : 6.000	Median : 3.000
Mean : 1214.65	Mean : 10098	Mean : 102.6	Mean : 6.504	Mean : 2.875
3rd Qu.: 1521.39	3rd Qu.: 16004	3rd Qu.: 162.0	3rd Qu.: 9.000	3rd Qu.: 3.000
Max. : 5319.70	Max. : 24003	Max. : 242.0	Max. : 12.000	Max. : 3.000

year	pkid	hhid_string	lineid	diaryinc_q2
Min. : 2009	Min. : 1	Length:878912	Min. : 0.0	Min. : 101
1st Qu.: 2009	1st Qu.: 221018	Class : character	1st Qu.: 307.0	1st Qu.: 809
Median : 2009	Median : 441717	Mode : character	Median : 515.0	Median : 1605
Mean : 2009	Mean : 441868		Mean : 602.1	Mean : 1593
3rd Qu.: 2009	3rd Qu.: 662835		3rd Qu.: 813.0	3rd Qu.: 2401
Max. : 2009	Max. : 883728		Max. : 9904.0	Max. : 3112

diaryinc_q5	diaryinc_q6	diaryinc_q7	diaryinc_q8
Min. : 0.000	Min. : 0.0	Min. : 0	Min. : 1.000
1st Qu.: 3.000	1st Qu.: 1.0	1st Qu.: 800	1st Qu.: 2.000
Median : 4.000	Median : 1.5	Median : 1500	Median : 2.000
Mean : 5.687	Mean : 14.3	Mean : 22967	Mean : 1.808
3rd Qu.: 8.000	3rd Qu.: 2.5	3rd Qu.: 4500	3rd Qu.: 2.000
Max. : 11.000	Max. : 180000.0	Max. : 307500000	Max. : 3.000

NA's :146599

diaryinc_q9	diaryinc_q10	diaryinc_q2_string	diaryinc_q10_string
Min. : 1.000	Min. : 101.0	Length:878912	Length:878912
1st Qu.: 2.000	1st Qu.: 202.0	Class : character	Class : character
Median : 2.000	Median : 208.0	Mode : character	Mode : character
Mean : 2.912	Mean : 275.1		
3rd Qu.: 2.000	3rd Qu.: 208.0		
Max. : 19.000	Max. : 1299.0		

3 ##### s01a.hmembers

hhid	persid	province	urbanrural
Min. : 100101	Min. : 10010101	Min. : 1.000	Min. : 1.000
1st Qu.: 308307	1st Qu.: 30830704	1st Qu.: 3.000	1st Qu.: 2.000
Median : 804402	Median : 80440204	Median : 8.000	Median : 2.000
Mean : 973384	Mean : 97338380	Mean : 9.706	Mean : 1.796
3rd Qu.: 1404910	3rd Qu.: 140491001	3rd Qu.: 14.000	3rd Qu.: 2.000
Max. : 2400320	Max. : 240032005	Max. : 24.000	Max. : 2.000

weight	hhsz	weight3	psu
Min. : 45.06	Min. : 1.000	Min. : 45.06	Min. : 1001
1st Qu.: 228.20	1st Qu.: 4.000	1st Qu.: 965.00	1st Qu.: 3083
Median : 246.02	Median : 5.000	Median : 1299.19	Median : 8044

Mean :245.94	Mean : 5.557	Mean :1369.00	Mean : 9734
3rd Qu.:265.13	3rd Qu.: 7.000	3rd Qu.:1691.90	3rd Qu.:14049
Max. :591.08	Max. :15.000	Max. :5319.70	Max. :24003

stratum	surveymonth	region	year	persid_string
Min. : 11.00	Min. : 1.00	Min. :1.000	Min. :2009	Length:57105
1st Qu.: 32.00	1st Qu.: 3.00	1st Qu.:3.000	1st Qu.:2009	Class :character
Median : 82.00	Median : 6.00	Median :3.000	Median :2009	Mode :character
Mean : 98.85	Mean : 6.47	Mean :2.694	Mean :2009	
3rd Qu.:142.00	3rd Qu.: 9.00	3rd Qu.:3.000	3rd Qu.:2009	
Max. :242.00	Max. :12.00	Max. :3.000	Max. :2009	

hhid_string	q01ac01	q01ac03	q01ac04a
Length:57105	Min. : 1.000	Min. :1.000	Min. : 1.00
Class :character	1st Qu.: 2.000	1st Qu.:1.000	1st Qu.: 5.00
Mode :character	Median : 3.000	Median :2.000	Median :10.00
	Mean : 3.279	Mean :1.515	Mean :11.57
	3rd Qu.: 4.000	3rd Qu.:2.000	3rd Qu.:17.00
	Max. :15.000	Max. :2.000	Max. :31.00
			NA's :1039

q01ac04b	q01ac04c	q01ac05	q01ac06	q01ac07
Min. : 1.000	Min. :1913	Min. : 0.00	Min. : 1.000	Min. : 0.000
1st Qu.: 3.000	1st Qu.:1970	1st Qu.:11.00	1st Qu.: 2.000	1st Qu.: 1.000
Median : 5.000	Median :1986	Median :22.00	Median : 3.000	Median : 1.000
Mean : 5.718	Mean :1982	Mean :26.48	Mean : 3.177	Mean : 1.324
3rd Qu.: 8.000	3rd Qu.:1997	3rd Qu.:39.00	3rd Qu.: 3.000	3rd Qu.: 1.000
Max. :12.000	Max. :2009	Max. :96.00	Max. :15.000	Max. :14.000
NA's :710	NA's :9			NA's :30357

q01ac08	q01ac09	q01ac10	q01ac11a	q01ac11b
Min. : 1.000	Min. :1.000	Min. : 1.00	Min. :1.000	Min. :1.000
1st Qu.: 2.000	1st Qu.:1.000	1st Qu.: 1.00	1st Qu.:1.000	1st Qu.:1.000
Median : 2.000	Median :1.000	Median : 2.00	Median :1.000	Median :1.000
Mean : 2.076	Mean :2.266	Mean : 1.93	Mean :1.068	Mean :1.008
3rd Qu.: 2.000	3rd Qu.:4.000	3rd Qu.: 2.00	3rd Qu.:1.000	3rd Qu.:1.000
Max. :15.000	Max. :4.000	Max. :14.00	Max. :8.000	Max. :2.000
NA's :26091	NA's :15607	NA's :34984	NA's :68	NA's :68

q01ac12a	q01ac12b	q01ac12c	q01ac13	q01ac14
Min. :0.0000	Min. :0.00	Min. :0.00	Min. :1.000	Min. : 0.0
1st Qu.:0.0000	1st Qu.:0.00	1st Qu.:0.00	1st Qu.:1.000	1st Qu.: 2.0
Median :0.0000	Median :0.00	Median :0.00	Median :1.000	Median :10.0
Mean :0.4356	Mean :1.23	Mean :0.96	Mean :1.041	Mean :16.6
3rd Qu.:0.0000	3rd Qu.:2.00	3rd Qu.:0.00	3rd Qu.:1.000	3rd Qu.:31.0
Max. :9.0000	Max. :9.00	Max. :9.00	Max. :2.000	Max. :52.0
NA's :38	NA's :55440	NA's :56934		NA's :54864

4 ##### s01b.foodconsumption

hhid	province	urbanrural	weight	hhsiz
Min. : 100101	Min. : 1.00	Min. :1.000	Min. : 45.06	Min. : 1.00
1st Qu.: 308717	1st Qu.: 3.00	1st Qu.:2.000	1st Qu.:227.62	1st Qu.: 4.00
Median : 805310	Median : 8.00	Median :2.000	Median :245.31	Median : 5.00
Mean : 991809	Mean : 9.89	Mean :1.777	Mean :245.00	Mean : 4.85
3rd Qu.:1405209	3rd Qu.:14.00	3rd Qu.:2.000	3rd Qu.:264.81	3rd Qu.: 6.00
Max. :2400320	Max. :24.00	Max. :2.000	Max. :591.08	Max. :15.00

weight3	psu	stratum	surveymonth	region
---------	-----	---------	-------------	--------

Min. : 45.06	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. : 1.000
1st Qu.: 797.36	1st Qu.: 3087	1st Qu.: 32.0	1st Qu.: 3.000	1st Qu.: 3.000
Median : 1132.22	Median : 8053	Median : 82.0	Median : 6.000	Median : 3.000
Mean : 1190.42	Mean : 9918	Mean : 100.7	Mean : 6.504	Mean : 2.661
3rd Qu.: 1490.94	3rd Qu.: 14052	3rd Qu.: 142.0	3rd Qu.: 10.000	3rd Qu.: 3.000
Max. : 5319.70	Max. : 24003	Max. : 242.0	Max. : 12.000	Max. : 3.000

year	hhid_string	q01bc01	q01bc03
Min. : 2009	Length: 143921	Min. : 1.000	Min. : 0
1st Qu.: 2009	Class : character	1st Qu.: 4.000	1st Qu.: 2000
Median : 2009	Mode : character	Median : 8.000	Median : 4900
Mean : 2009		Mean : 8.818	Mean : 9156
3rd Qu.: 2009		3rd Qu.: 13.000	3rd Qu.: 10000
Max. : 2009		Max. : 20.000	Max. : 620000
			NA's : 15

q01bc04	q01bc05
Min. : 0	Min. : 100
1st Qu.: 0	1st Qu.: 2800
Median : 0	Median : 5500
Mean : 1877	Mean : 11022
3rd Qu.: 0	3rd Qu.: 14700
Max. : 300000	Max. : 456000
NA's : 72	

5 ##### s01c.nonfoodexpenses

hhid	province	urbanrural	weight	hhsz
Min. : 100101	Min. : 1.00	Min. : 1.000	Min. : 45.06	Min. : 1.000
1st Qu.: 308514	1st Qu.: 3.00	1st Qu.: 2.000	1st Qu.: 227.62	1st Qu.: 4.000
Median : 805115	Median : 8.00	Median : 2.000	Median : 245.31	Median : 5.000
Mean : 987830	Mean : 9.85	Mean : 1.779	Mean : 244.99	Mean : 4.902
3rd Qu.: 1500209	3rd Qu.: 15.00	3rd Qu.: 2.000	3rd Qu.: 264.81	3rd Qu.: 6.000
Max. : 2400320	Max. : 24.00	Max. : 2.000	Max. : 591.08	Max. : 15.000

weight3	psu	stratum	surveymonth	region
Min. : 45.06	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. : 1.000
1st Qu.: 811.93	1st Qu.: 3085	1st Qu.: 32.0	1st Qu.: 3.000	1st Qu.: 3.000
Median : 1143.47	Median : 8051	Median : 82.0	Median : 6.000	Median : 3.000
Mean : 1203.51	Mean : 9878	Mean : 100.3	Mean : 6.489	Mean : 2.669
3rd Qu.: 1503.44	3rd Qu.: 15002	3rd Qu.: 151.0	3rd Qu.: 9.000	3rd Qu.: 3.000
Max. : 5319.70	Max. : 24003	Max. : 242.0	Max. : 12.000	Max. : 3.000

year	hhid_string	q01cc01	q01cc04
Min. : 2009	Length: 86155	Min. : 1.000	Min. : 0
1st Qu.: 2009	Class : character	1st Qu.: 3.000	1st Qu.: 20000
Median : 2009	Mode : character	Median : 5.000	Median : 60000
Mean : 2009		Mean : 6.123	Mean : 268624
3rd Qu.: 2009		3rd Qu.: 10.000	3rd Qu.: 200000
Max. : 2009		Max. : 13.000	Max. : 8000000
			NA's : 6

q01cc05	q01cc06
Min. : 0	Min. : 0
1st Qu.: 0	1st Qu.: 20000
Median : 0	Median : 60000
Mean : 3173	Mean : 272226
3rd Qu.: 0	3rd Qu.: 200000

Max. :16000000 Max. :80000000
 NA's :82 NA's :3

6 ##### s01d.vulnerability

hhid	province	urbanrural	weight
Min. : 100101	Min. : 1.000	Min. :1.000	Min. : 45.06
1st Qu.: 308205	1st Qu.: 3.000	1st Qu.:2.000	1st Qu.:227.85
Median : 804504	Median : 8.000	Median :2.000	Median :245.19
Mean : 977173	Mean : 9.744	Mean :1.801	Mean :245.48
3rd Qu.:1405106	3rd Qu.:14.000	3rd Qu.:2.000	3rd Qu.:265.05
Max. :2400320	Max. :24.000	Max. :2.000	Max. :591.08

hhsiz	weight3	psu	stratum
Min. : 1.000	Min. : 45.06	Min. : 1001	Min. : 11.00
1st Qu.: 3.000	1st Qu.: 782.57	1st Qu.: 3082	1st Qu.: 32.00
Median : 5.000	Median :1112.13	Median : 8045	Median : 82.00
Mean : 4.771	Mean :1173.41	Mean : 9772	Mean : 99.24
3rd Qu.: 6.000	3rd Qu.:1470.00	3rd Qu.:14051	3rd Qu.:142.00
Max. :15.000	Max. :5319.70	Max. :24003	Max. :242.00

surveymonth	region	year	hhid_string	q01dq1
Min. : 1.000	Min. :1.000	Min. :2009	Length:11980	Min. :1.000
1st Qu.: 4.000	1st Qu.:3.000	1st Qu.:2009	Class :character	1st Qu.:1.000
Median : 7.000	Median :3.000	Median :2009	Mode :character	Median :1.000
Mean : 6.505	Mean :2.703	Mean :2009		Mean :1.332
3rd Qu.:10.000	3rd Qu.:3.000	3rd Qu.:2009		3rd Qu.:2.000
Max. :12.000	Max. :3.000	Max. :2009		Max. :4.000

q01dq2	q01dq3	q01dq4_1	q01dq4_2	q01dq4_3
Min. :1.000	Min. : 0.000	Min. :0.000	Min. :0.000	Min. :0.000
1st Qu.:1.000	1st Qu.: 2.000	1st Qu.:0.000	1st Qu.:0.000	1st Qu.:0.000
Median :1.000	Median : 4.000	Median :0.000	Median :0.000	Median :0.000
Mean :1.153	Mean : 6.521	Mean :0.067	Mean :0.062	Mean :0.085
3rd Qu.:1.000	3rd Qu.: 9.000	3rd Qu.:0.000	3rd Qu.:0.000	3rd Qu.:0.000
Max. :2.000	Max. :52.000	Max. :1.000	Max. :1.000	Max. :1.000
	NA's :10147	NA's :10147	NA's :10147	NA's :10147

q01dq4_4	q01dq4_5	q01dq4_6	q01dq4_7	q01dq4_8
Min. :0.000	Min. :0.000	Min. :0.000	Min. :0.00	Min. :0.000
1st Qu.:0.000	1st Qu.:0.000	1st Qu.:0.000	1st Qu.:0.00	1st Qu.:0.000
Median :0.000	Median :0.000	Median :0.000	Median :0.00	Median :0.000
Mean :0.097	Mean :0.119	Mean :0.173	Mean :0.29	Mean :0.399
3rd Qu.:0.000	3rd Qu.:0.000	3rd Qu.:0.000	3rd Qu.:1.00	3rd Qu.:1.000
Max. :1.000	Max. :1.000	Max. :1.000	Max. :1.00	Max. :1.000
NA's :10147	NA's :10147	NA's :10147	NA's :10147	NA's :10147

q01dq4_9	q01dq4_10	q01dq4_11	q01dq4_12
Min. :0.000	Min. :0.000	Min. :0.000	Min. :0.000
1st Qu.:0.000	1st Qu.:0.000	1st Qu.:0.000	1st Qu.:0.000
Median :1.000	Median :0.000	Median :0.000	Median :0.000
Mean :0.547	Mean :0.468	Mean :0.249	Mean :0.127
3rd Qu.:1.000	3rd Qu.:1.000	3rd Qu.:0.000	3rd Qu.:0.000
Max. :1.000	Max. :1.000	Max. :1.000	Max. :1.000
NA's :10147	NA's :10147	NA's :10147	NA's :10147

7 ##### s02.education

hhid		persid		province		urbanrural			
Min.	: 100101	Min.	: 10010101	Min.	: 1.000	Min.	: 1.000		
1st Qu.	: 308316	1st Qu.	: 30831604	1st Qu.	: 3.000	1st Qu.	: 2.000		
Median	: 804409	Median	: 80440907	Median	: 8.000	Median	: 2.000		
Mean	: 973919	Mean	: 97391908	Mean	: 9.711	Mean	: 1.794		
3rd Qu.	: 1404908	3rd Qu.	: 140490802	3rd Qu.	: 14.000	3rd Qu.	: 2.000		
Max.	: 2400320	Max.	: 240032005	Max.	: 24.000	Max.	: 2.000		
weight		hhsiz		weight3		psu			
Min.	: 45.06	Min.	: 1.000	Min.	: 45.06	Min.	: 1001		
1st Qu.	: 228.20	1st Qu.	: 4.000	1st Qu.	: 965.84	1st Qu.	: 3083		
Median	: 246.02	Median	: 5.000	Median	: 1303.50	Median	: 8044		
Mean	: 245.79	Mean	: 5.565	Mean	: 1370.23	Mean	: 9739		
3rd Qu.	: 265.10	3rd Qu.	: 7.000	3rd Qu.	: 1697.37	3rd Qu.	: 14049		
Max.	: 591.08	Max.	: 15.000	Max.	: 5319.70	Max.	: 24003		
stratum		surveymonth		region		year		persid_string	
Min.	: 11.00	Min.	: 1.000	Min.	: 1.00	Min.	: 2009	Length: 53647	
1st Qu.	: 32.00	1st Qu.	: 3.000	1st Qu.	: 3.00	1st Qu.	: 2009	Class : character	
Median	: 82.00	Median	: 6.000	Median	: 3.00	Median	: 2009	Mode : character	
Mean	: 98.91	Mean	: 6.476	Mean	: 2.69	Mean	: 2009		
3rd Qu.	: 142.00	3rd Qu.	: 9.000	3rd Qu.	: 3.00	3rd Qu.	: 2009		
Max.	: 242.00	Max.	: 12.000	Max.	: 3.00	Max.	: 2009		
hhid_string		q02c01		q02c02		q02c03		q02c04	
Length: 53647		Min.	: 1.000	Min.	: 1.00	Min.	: 1.000	Min.	: 1.000
Class : character		1st Qu.	: 2.000	1st Qu.	: 1.00	1st Qu.	: 1.000	1st Qu.	: 1.000
Mode : character		Median	: 3.000	Median	: 1.00	Median	: 1.000	Median	: 1.000
		Mean	: 3.162	Mean	: 1.32	Mean	: 1.327	Mean	: 1.233
		3rd Qu.	: 4.000	3rd Qu.	: 2.00	3rd Qu.	: 2.000	3rd Qu.	: 1.000
		Max.	: 15.000	Max.	: 2.00	Max.	: 2.000	Max.	: 2.000
				NA's	: 10	NA's	: 8	NA's	: 9
q02c05		q02c06		q02c07		q02c08		q02c09	
Min.	: 0.000	Min.	: 0.000	Min.	: 1.000	Min.	: 0.0	Min.	: 1.00
1st Qu.	: 3.000	1st Qu.	: 3.000	1st Qu.	: 1.000	1st Qu.	: 2.0	1st Qu.	: 1.00
Median	: 5.000	Median	: 5.000	Median	: 2.000	Median	: 5.0	Median	: 1.00
Mean	: 5.705	Mean	: 8.223	Mean	: 1.654	Mean	: 5.5	Mean	: 1.05
3rd Qu.	: 8.000	3rd Qu.	: 8.000	3rd Qu.	: 2.000	3rd Qu.	: 8.0	3rd Qu.	: 1.00
Max.	: 22.000	Max.	: 98.000	Max.	: 2.000	Max.	: 16.0	Max.	: 2.00
NA's	: 12523	NA's	: 12527	NA's	: 12517	NA's	: 39421	NA's	: 39421
q02c10		q02c11		q02c12		q02c13		q02c14	
Min.	: 1.00	Min.	: 1.00	Min.	: 1.000	Min.	: 1.00	Min.	: 1.00
1st Qu.	: 1.00	1st Qu.	: 6.00	1st Qu.	: 2.000	1st Qu.	: 1.00	1st Qu.	: 4.00
Median	: 2.00	Median	: 11.00	Median	: 2.000	Median	: 1.00	Median	: 4.00
Mean	: 1.72	Mean	: 8.03	Mean	: 1.941	Mean	: 1.42	Mean	: 3.93
3rd Qu.	: 2.00	3rd Qu.	: 11.00	3rd Qu.	: 2.000	3rd Qu.	: 2.00	3rd Qu.	: 4.00
Max.	: 2.00	Max.	: 12.00	Max.	: 2.000	Max.	: 2.00	Max.	: 6.00
NA's	: 39420	NA's	: 47204			NA's	: 50500	NA's	: 51840
q02c15		q02c16a		q02c16b		q02c16c			
Min.	: 1.000	Min.	: 0	Min.	: 0	Min.	: 0	0	
1st Qu.	: 1.000	1st Qu.	: 0	1st Qu.	: 0	1st Qu.	: 0	6000	
Median	: 2.000	Median	: 0	Median	: 0	Median	: 0	14000	
Mean	: 1.737	Mean	: 125748	Mean	: 50644	Mean	: 29810	29810	
3rd Qu.	: 2.000	3rd Qu.	: 0	3rd Qu.	: 0	3rd Qu.	: 28000	28000	
Max.	: 2.000	Max.	: 18000000	Max.	: 7680000	Max.	: 3600000	3600000	
NA's	: 11	NA's	: 40366	NA's	: 40310	NA's	: 39583		

q02c16d	q02c16e	q02c16f	q02c16g
Min. : 0	Min. : 0	Min. : 0	Min. : 0
1st Qu. : 5000	1st Qu. : 0	1st Qu. : 0	1st Qu. : 0
Median : 11000	Median : 0	Median : 0	Median : 0
Mean : 29728	Mean : 70212	Mean : 45382	Mean : 3012
3rd Qu. : 27000	3rd Qu. : 0	3rd Qu. : 0	3rd Qu. : 1000
Max. : 3600000	Max. : 36000000	Max. : 16838000	Max. : 2500000
NA's : 39593	NA's : 40302	NA's : 40318	NA's : 40151

q02c16h

Min. : 0
1st Qu. : 0
Median : 0
Mean : 88794
3rd Qu. : 6000
Max. : 46800000
NA's : 36

8 #### s03a.migration.past

hhid	persid	province	urbanrural
Min. : 100101	Min. : 10010101	Min. : 1.0	Min. : 1.000
1st Qu. : 308314	1st Qu. : 30831352	1st Qu. : 3.0	1st Qu. : 2.000
Median : 804320	Median : 80432001	Median : 8.0	Median : 2.000
Mean : 972801	Mean : 97280135	Mean : 9.7	Mean : 1.792
3rd Qu. : 1404817	3rd Qu. : 140481702	3rd Qu. : 14.0	3rd Qu. : 2.000
Max. : 2400320	Max. : 240032005	Max. : 24.0	Max. : 2.000

weight	hhsz	weight3	psu
Min. : 45.06	Min. : 1.000	Min. : 45.06	Min. : 1001
1st Qu. : 227.99	1st Qu. : 4.000	1st Qu. : 965.22	1st Qu. : 3083
Median : 246.02	Median : 5.000	Median : 1304.49	Median : 8043
Mean : 245.67	Mean : 5.564	Mean : 1369.45	Mean : 9728
3rd Qu. : 265.05	3rd Qu. : 7.000	3rd Qu. : 1697.37	3rd Qu. : 14048
Max. : 591.08	Max. : 15.000	Max. : 5319.70	Max. : 24003

stratum	surveymonth	region	year	persid_string
Min. : 11.00	Min. : 1.000	Min. : 1.000	Min. : 2009	Length:51275
1st Qu. : 32.00	1st Qu. : 4.000	1st Qu. : 3.000	1st Qu. : 2009	Class :character
Median : 82.00	Median : 7.000	Median : 3.000	Median : 2009	Mode :character
Mean : 98.79	Mean : 6.491	Mean : 2.687	Mean : 2009	
3rd Qu. : 142.00	3rd Qu. : 9.000	3rd Qu. : 3.000	3rd Qu. : 2009	
Max. : 242.00	Max. : 12.000	Max. : 3.000	Max. : 2009	

hhid_string	q03ac01	q03ac02	q03ac03	q03ac04b
Length:51275	Min. : 1.000	Min. : 1.000	Min. : 0.00	Min. : 1.00
Class :character	1st Qu. : 2.000	1st Qu. : 1.000	1st Qu. : 7.00	1st Qu. : 12.00
Mode :character	Median : 3.000	Median : 1.000	Median : 16.00	Median : 88.00
	Mean : 3.091	Mean : 1.379	Mean : 17.42	Mean : 57.27
	3rd Qu. : 4.000	3rd Qu. : 2.000	3rd Qu. : 30.00	3rd Qu. : 88.00
	Max. : 15.000	Max. : 2.000	Max. : 89.00	Max. : 88.00
			NA's : 31823	NA's : 32251

q03ac04c	q03ac05	q03ac06b	q03ac06c	q03ac07
Min. : 9301	Min. : 1.00	Min. : 1.00	Min. : 9301	Min. : 1.000
1st Qu. : 9316	1st Qu. : 4.00	1st Qu. : 3.00	1st Qu. : 9316	1st Qu. : 2.000
Median : 9317	Median : 5.00	Median : 8.00	Median : 9317	Median : 2.000
Mean : 9318	Mean : 5.53	Mean : 9.99	Mean : 9318	Mean : 1.988

3rd Qu.:9317	3rd Qu.: 8.00	3rd Qu.:15.00	3rd Qu.:9317	3rd Qu.:2.000
Max.:9601	Max.:12.00	Max.:88.00	Max.:9601	Max.:2.000
NA's :50847	NA's :31823	NA's :32115	NA's :50983	
q03ac08	q03ac09a	q03ac09b	q03ac10	q03ac11
Min.: 1.00	Min.:2004	Min.: 1.00	Min.: 1.00	Min.: 1.00
1st Qu.: 1.00	1st Qu.:2007	1st Qu.: 2.00	1st Qu.: 3.00	1st Qu.: 2.00
Median : 1.00	Median :2008	Median : 5.00	Median : 6.00	Median : 3.00
Mean : 3.44	Mean :2007	Mean : 5.42	Mean :19.26	Mean : 2.95
3rd Qu.: 3.00	3rd Qu.:2008	3rd Qu.: 8.00	3rd Qu.:12.00	3rd Qu.: 3.00
Max.:98.00	Max.:2009	Max.:12.00	Max.:99.00	Max.:11.00
NA's :50682	NA's :50682	NA's :50682	NA's :50682	NA's :50682
q03ac12	q03ac13	q03ac04b_string	q03ac04c_string	
Min.:221.0	Min.:1.00	Length:51275	Length:51275	
1st Qu.:911.0	1st Qu.:2.00	Class :character	Class :character	
Median :921.0	Median :4.00	Mode :character	Mode :character	
Mean :855.1	Mean :4.23			
3rd Qu.:931.0	3rd Qu.:6.00			
Max.:999.0	Max.:9.00			
NA's :50698	NA's :50682			
q03ac06b_string	q03ac06c_string	q03ac12_string		
Length:51275	Length:51275	Length:51275		
Class :character	Class :character	Class :character		
Mode :character	Mode :character	Mode :character		

9 ##### s03b.migration.current

hhid	persid	province	urbanrural
Min.: 100106	Min.: 10010631	Min.: 1.000	Min.:1.000
1st Qu.: 307707	1st Qu.: 30770731	1st Qu.: 3.000	1st Qu.:2.000
Median : 802201	Median : 80220132	Median : 8.000	Median :2.000
Mean : 964237	Mean : 96423700	Mean : 9.615	Mean :1.878
3rd Qu.:1405020	3rd Qu.:140502035	3rd Qu.:14.000	3rd Qu.:2.000
Max.:2400317	Max.:240031734	Max.:24.000	Max.:2.000

weight	hhsz	weight3	psu
Min.: 45.06	Min.: 1.000	Min.: 91.36	Min.: 1001
1st Qu.:229.24	1st Qu.: 3.000	1st Qu.: 696.98	1st Qu.: 3077
Median :244.83	Median : 4.000	Median :1002.29	Median : 8022
Mean :245.43	Mean : 4.384	Mean :1078.76	Mean : 9642
3rd Qu.:263.21	3rd Qu.: 6.000	3rd Qu.:1422.96	3rd Qu.:14050
Max.:591.08	Max.:15.000	Max.:4358.38	Max.:24003

stratum	surveymonth	region	year	persid_string
Min.: 11.00	Min.: 1.000	Min.:1.000	Min.:2009	Length:8049
1st Qu.: 32.00	1st Qu.: 4.000	1st Qu.:3.000	1st Qu.:2009	Class :character
Median : 82.00	Median : 7.000	Median :3.000	Median :2009	Mode :character
Mean : 98.03	Mean : 6.887	Mean :2.831	Mean :2009	
3rd Qu.:142.00	3rd Qu.:10.000	3rd Qu.:3.000	3rd Qu.:2009	
Max.:242.00	Max.:12.000	Max.:3.000	Max.:2009	

hhid_string	q03bc01	q03bc03	q03bc04	q03bc05b
Length:8049	Min.:31.00	Min.:1.000	Min.:15.00	Min.: 1.00

Class :character	1st Qu. :31.00	1st Qu. :1.000	1st Qu. :24.00	1st Qu. :12.00
Mode :character	Median :32.00	Median :1.000	Median :29.00	Median :88.00
	Mean :32.23	Mean :1.486	Mean :30.75	Mean :59.03
	3rd Qu. :33.00	3rd Qu. :2.000	3rd Qu. :36.00	3rd Qu. :88.00
	Max. :41.00	Max. :2.000	Max. :88.00	Max. :88.00
				NA's :468

q03bc05c	q03bc06	q03bc07	q03bc08	q03bc09
Min. :9301	Min. :1960	Min. :1.000	Min. :11.0	Min. :0.00
1st Qu.:9316	1st Qu.:1997	1st Qu.:3.000	1st Qu.:631.0	1st Qu.:4.00
Median :9316	Median :2003	Median :3.000	Median :631.0	Median :7.00
Mean :9347	Mean :2001	Mean :2.733	Mean :638.7	Mean :15.12
3rd Qu.:9316	3rd Qu.:2007	3rd Qu.:3.000	3rd Qu.:631.0	3rd Qu.:10.00
Max. :9799	Max. :2009	Max. :6.000	Max. :999.0	Max. :98.00
NA's :7581			NA's :698	

q03bc10	q03bc11	q03bc12	q03bc13a	q03bc13b
Min. :11	Min. :1.000	Min. :3000	Min. :1.000	Min. :1.000
1st Qu.:621	1st Qu.:1.000	1st Qu.:30000	1st Qu.:3.000	1st Qu.:4.000
Median :631	Median :1.000	Median :60000	Median :3.000	Median :4.000
Mean :645	Mean :1.305	Mean :323911	Mean :2.961	Mean :3.643
3rd Qu.:724	3rd Qu.:2.000	3rd Qu.:200000	3rd Qu.:3.000	3rd Qu.:4.000
Max. :999	Max. :2.000	Max. :61500000	Max. :4.000	Max. :4.000
NA's :378	NA's :10	NA's :2464	NA's :2467	NA's :7724

10 ##### s04.housing

hhid	province	urbanrural	weight	hhsz
Min. :100101	Min. :1.000	Min. :1.000	Min. :45.06	Min. :1.00
1st Qu.:308205	1st Qu.:3.000	1st Qu.:2.000	1st Qu.:227.68	1st Qu.:3.00
Median :804503	Median :8.000	Median :2.000	Median :245.19	Median :5.00
Mean :976901	Mean :9.741	Mean :1.801	Mean :245.48	Mean :4.77
3rd Qu.:1405104	3rd Qu.:14.000	3rd Qu.:2.000	3rd Qu.:265.05	3rd Qu.:6.00
Max. :2400320	Max. :24.000	Max. :2.000	Max. :591.08	Max. :15.00

weight3	psu	stratum	surveymonth	region
Min. :45.06	Min. :1001	Min. :11.00	Min. :1.000	Min. :1.000
1st Qu.:782.32	1st Qu.:3082	1st Qu.:32.00	1st Qu.:4.000	1st Qu.:3.000
Median :1112.13	Median :8045	Median :82.00	Median :7.000	Median :3.000
Mean :1173.21	Mean :9769	Mean :99.21	Mean :6.504	Mean :2.703
3rd Qu.:1469.88	3rd Qu.:14051	3rd Qu.:142.00	3rd Qu.:10.000	3rd Qu.:3.000
Max. :5319.70	Max. :24003	Max. :242.00	Max. :12.000	Max. :3.000

year	hhid_string	q04_01	q04_02	q04_03
Min. :2009	Length:11970	Min. :1.000	Min. :4.00	Min. :1.000
1st Qu.:2009	Class :character	1st Qu.:1.000	1st Qu.:24.00	1st Qu.:1.000
Median :2009	Mode :character	Median :1.000	Median :38.00	Median :1.000
Mean :2009		Mean :1.062	Mean :43.23	Mean :1.431
3rd Qu.:2009		3rd Qu.:1.000	3rd Qu.:56.00	3rd Qu.:2.000
Max. :2009		Max. :9.000	Max. :684.00	Max. :15.000
			NA's :126	

q04_04	q04_05	q04_06	q04_07	q04_08
Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000
1st Qu.:1.000	1st Qu.:2.000	1st Qu.:2.000	1st Qu.:1.000	1st Qu.:3.000
Median :2.000	Median :3.000	Median :2.000	Median :3.000	Median :5.000
Mean :2.165	Mean :3.098	Mean :2.889	Mean :2.831	Mean :5.164
3rd Qu.:2.000	3rd Qu.:4.000	3rd Qu.:3.000	3rd Qu.:4.000	3rd Qu.:9.000
Max. :9.000	Max. :10.000	Max. :9.000	Max. :7.000	Max. :13.000

NA's : 1				
q04_09	q04_10m1	q04_10m2	q04_10m3	
Min. : 0.00	Min. : 1.000	Min. : 1.000	Min. : 1.000	
1st Qu. : 7.00	1st Qu. : 1.000	1st Qu. : 2.000	1st Qu. : 3.000	
Median : 15.00	Median : 1.000	Median : 2.000	Median : 3.000	
Mean : 48.64	Mean : 1.493	Mean : 2.452	Mean : 3.534	
3rd Qu. : 50.00	3rd Qu. : 2.000	3rd Qu. : 3.000	3rd Qu. : 4.000	
Max. : 4000.00	Max. : 12.000	Max. : 11.000	Max. : 11.000	
NA's : 5112	NA's : 5405	NA's : 6376	NA's : 9795	
q04_11	q04_12	q04_13	q04_14m1	
Min. : 1.00	Min. : 1.000	Min. : 0.00	Min. : 1.000	
1st Qu. : 10.00	1st Qu. : 3.000	1st Qu. : 7.00	1st Qu. : 1.000	
Median : 20.00	Median : 4.000	Median : 20.00	Median : 1.000	
Mean : 21.61	Mean : 4.399	Mean : 90.48	Mean : 1.513	
3rd Qu. : 30.00	3rd Qu. : 6.000	3rd Qu. : 65.00	3rd Qu. : 2.000	
Max. : 250.00	Max. : 13.000	Max. : 5001.00	Max. : 12.000	
NA's : 5406	NA's : 2	NA's : 2634	NA's : 3397	
q04_14m2	q04_14m3	q04_15	q04_16	q04_17
Min. : 1.000	Min. : 1.00	Min. : 1.00	Min. : 0	Min. : 1.000
1st Qu. : 2.000	1st Qu. : 3.00	1st Qu. : 10.00	1st Qu. : 0	1st Qu. : 1.000
Median : 2.000	Median : 3.00	Median : 20.00	Median : 0	Median : 1.000
Mean : 2.512	Mean : 3.58	Mean : 25.46	Mean : 6203	Mean : 1.644
3rd Qu. : 3.000	3rd Qu. : 4.00	3rd Qu. : 30.00	3rd Qu. : 6000	3rd Qu. : 2.000
Max. : 11.000	Max. : 13.00	Max. : 240.00	Max. : 250000	Max. : 3.000
NA's : 4843	NA's : 9317	NA's : 3411		
q04_18a	q04_18b	q04_18c	q04_18d	q04_18e
Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 1.000
1st Qu. : 1.000	1st Qu. : 2.000	1st Qu. : 2.000	1st Qu. : 2.000	1st Qu. : 2.000
Median : 1.000	Median : 2.000	Median : 2.000	Median : 2.000	Median : 2.000
Mean : 1.077	Mean : 1.888	Mean : 1.997	Mean : 1.992	Mean : 1.992
3rd Qu. : 1.000	3rd Qu. : 2.000	3rd Qu. : 2.000	3rd Qu. : 2.000	3rd Qu. : 2.000
Max. : 2.000	Max. : 2.000	Max. : 2.000	Max. : 2.000	Max. : 2.000
NA's : 2977	NA's : 2977	NA's : 2977	NA's : 2977	NA's : 2977
q04_19a	q04_19b	q04_20	q04_21	
Min. : 1.000	Min. : 1.000	Min. : 0.0	Min. : 0.0	
1st Qu. : 2.000	1st Qu. : 2.000	1st Qu. : 0.0	1st Qu. : 0.0	
Median : 7.000	Median : 2.000	Median : 0.0	Median : 0.0	
Mean : 5.065	Mean : 1.989	Mean : 195.8	Mean : 533.9	
3rd Qu. : 7.000	3rd Qu. : 2.000	3rd Qu. : 0.0	3rd Qu. : 0.0	
Max. : 8.000	Max. : 3.000	Max. : 100000.0	Max. : 80000.0	
	NA's : 4786			
q04_22a	q04_22b	q04_22c1	q04_22c2	q04_22c3
Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 1.000
1st Qu. : 1.000	1st Qu. : 2.000	1st Qu. : 1.000	1st Qu. : 2.000	1st Qu. : 3.000
Median : 1.000	Median : 2.000	Median : 1.000	Median : 2.000	Median : 3.000
Mean : 1.332	Mean : 1.783	Mean : 1.452	Mean : 2.553	Mean : 3.676
3rd Qu. : 1.000	3rd Qu. : 2.000	3rd Qu. : 2.000	3rd Qu. : 3.000	3rd Qu. : 4.000
Max. : 8.000	Max. : 2.000	Max. : 12.000	Max. : 12.000	Max. : 14.000
	NA's : 1293	NA's : 3612	NA's : 5729	NA's : 9939
q04_22d	q04_23a	q04_23b	q04_23c	q04_23d
Min. : 0.000	Min. : 0	Min. : 0	Min. : 0	Min. : 0
1st Qu. : 2.000	1st Qu. : 0	1st Qu. : 0	1st Qu. : 0	1st Qu. : 12000
Median : 4.000	Median : 0	Median : 0	Median : 950	Median : 25000
Mean : 5.171	Mean : 14684	Mean : 4464	Mean : 2725	Mean : 26070
3rd Qu. : 6.000	3rd Qu. : 10000	3rd Qu. : 0	3rd Qu. : 4000	3rd Qu. : 30000
Max. : 90.000	Max. : 890000	Max. : 240000	Max. : 48000	Max. : 450000

NA's :3676

q04_23e	q04_23f	q04_23g	q04_24
Min. : 0	Min. : 0	Min. : 0.0	Min. :1.000
1st Qu.: 0	1st Qu.: 0	1st Qu.: 0.0	1st Qu.:1.000
Median : 0	Median : 0	Median : 0.0	Median :1.000
Mean : 3183	Mean : 4843	Mean : 656.5	Mean :1.087
3rd Qu.: 0	3rd Qu.: 6800	3rd Qu.: 0.0	3rd Qu.:1.000
Max. :98000	Max. :90000	Max. :300000.0	Max. :4.000

NA's :4

q04_25a	q04_25b	q04_26	phnonpenh
Min. : 0	Min. : 0	Min. : 0	Min. :0.00000
1st Qu.: 60000	1st Qu.: 40000	1st Qu.: 0	1st Qu.:0.00000
Median : 120000	Median : 70000	Median : 0	Median :0.00000
Mean : 263210	Mean : 148040	Mean : 1828	Mean :0.09298
3rd Qu.: 287000	3rd Qu.: 120000	3rd Qu.: 0	3rd Qu.:0.00000
Max. :2800000	Max. :12000000	Max. :1500000	Max. :1.00000

NA's :11657 NA's :310 NA's :35

otherrural	urban	publiclight	pre_1
Min. :0.0000	Min. :0.0000	Min. :0.0000	Min. : 35963
1st Qu.:1.0000	1st Qu.:0.0000	1st Qu.:0.0000	1st Qu.: 35963
Median :1.0000	Median :0.0000	Median :0.0000	Median : 35963
Mean :0.7958	Mean :0.1112	Mean :0.2681	Mean : 154032
3rd Qu.:1.0000	3rd Qu.:0.0000	3rd Qu.:1.0000	3rd Qu.: 173550
Max. :1.0000	Max. :1.0000	Max. :1.0000	Max. :2399764

log_25b	pre_2
Min. : 7.601	Min. :10.85
1st Qu.:10.597	1st Qu.:10.85
Median :11.156	Median :10.85
Mean :11.254	Mean :11.28
3rd Qu.:11.695	3rd Qu.:11.36
Max. :16.300	Max. :17.42

NA's :315

11 ##### s04.housingpractice

hhid_string	q04_01	q04_02	q04_03
Length:11971	Min. :1.000	Min. : 4.00	Min. : 1.000
Class :character	1st Qu.:1.000	1st Qu.: 24.00	1st Qu.: 1.000
Mode :character	Median :1.000	Median : 38.00	Median : 1.000
	Mean :1.062	Mean : 43.23	Mean : 1.431
	3rd Qu.:1.000	3rd Qu.: 56.00	3rd Qu.: 2.000
	Max. :9.000	Max. :684.00	Max. :15.000

NA's :126

q04_04	q04_05	q04_06	q04_07	q04_08
Min. :1.000	Min. : 1.000	Min. :1.000	Min. :1.000	Min. : 1.000
1st Qu.:1.000	1st Qu.: 2.000	1st Qu.:2.000	1st Qu.:1.000	1st Qu.: 3.000
Median :2.000	Median : 3.000	Median :2.000	Median :3.000	Median : 5.000
Mean :2.165	Mean : 3.098	Mean :2.888	Mean :2.831	Mean : 5.164
3rd Qu.:2.000	3rd Qu.: 4.000	3rd Qu.:3.000	3rd Qu.:4.000	3rd Qu.: 9.000
Max. :9.000	Max. :10.000	Max. :9.000	Max. :7.000	Max. :13.000

NA's :1

q04_09	q04_10m1	q04_10m2	q04_10m3
Min. : 0.00	Min. : 1.000	Min. : 1.000	Min. : 1.000
1st Qu.: 7.00	1st Qu.: 1.000	1st Qu.: 2.000	1st Qu.: 3.000
Median : 15.00	Median : 1.000	Median : 2.000	Median : 3.000

Mean : 48.64	Mean : 1.493	Mean : 2.452	Mean : 3.534	
3rd Qu. : 50.00	3rd Qu. : 2.000	3rd Qu. : 3.000	3rd Qu. : 4.000	
Max. : 4000.00	Max. : 12.000	Max. : 11.000	Max. : 11.000	
NA's : 5113	NA's : 5406	NA's : 6377	NA's : 9796	
q04_11	q04_12	q04_13	q04_14m1	
Min. : 1.00	Min. : 1.000	Min. : 0.00	Min. : 1.000	
1st Qu. : 10.00	1st Qu. : 3.000	1st Qu. : 7.00	1st Qu. : 1.000	
Median : 20.00	Median : 4.000	Median : 20.00	Median : 1.000	
Mean : 21.61	Mean : 4.399	Mean : 90.48	Mean : 1.513	
3rd Qu. : 30.00	3rd Qu. : 6.000	3rd Qu. : 65.00	3rd Qu. : 2.000	
Max. : 250.00	Max. : 13.000	Max. : 5001.00	Max. : 12.000	
NA's : 5407	NA's : 2	NA's : 2635	NA's : 3398	
q04_14m2	q04_14m3	q04_15	q04_16	q04_17
Min. : 1.000	Min. : 1.00	Min. : 1.00	Min. : 0	Min. : 1.000
1st Qu. : 2.000	1st Qu. : 3.00	1st Qu. : 10.00	1st Qu. : 0	1st Qu. : 1.000
Median : 2.000	Median : 3.00	Median : 20.00	Median : 0	Median : 1.000
Mean : 2.512	Mean : 3.58	Mean : 25.46	Mean : 6204	Mean : 1.644
3rd Qu. : 3.000	3rd Qu. : 4.00	3rd Qu. : 30.00	3rd Qu. : 6000	3rd Qu. : 2.000
Max. : 11.000	Max. : 13.00	Max. : 240.00	Max. : 250000	Max. : 3.000
NA's : 4844	NA's : 9318	NA's : 3412		
q04_18a	q04_18b	q04_18c	q04_18d	q04_18e
Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 1.000
1st Qu. : 1.000	1st Qu. : 2.000	1st Qu. : 2.000	1st Qu. : 2.000	1st Qu. : 2.000
Median : 1.000	Median : 2.000	Median : 2.000	Median : 2.000	Median : 2.000
Mean : 1.077	Mean : 1.888	Mean : 1.997	Mean : 1.992	Mean : 1.992
3rd Qu. : 1.000	3rd Qu. : 2.000	3rd Qu. : 2.000	3rd Qu. : 2.000	3rd Qu. : 2.000
Max. : 2.000	Max. : 2.000	Max. : 2.000	Max. : 2.000	Max. : 2.000
NA's : 2977	NA's : 2977	NA's : 2977	NA's : 2977	NA's : 2977
q04_19a	q04_19b	q04_20	q04_21	
Min. : 1.000	Min. : 1.000	Min. : 0.0	Min. : 0.0	
1st Qu. : 2.000	1st Qu. : 2.000	1st Qu. : 0.0	1st Qu. : 0.0	
Median : 7.000	Median : 2.000	Median : 0.0	Median : 0.0	
Mean : 5.065	Mean : 1.989	Mean : 195.8	Mean : 533.8	
3rd Qu. : 7.000	3rd Qu. : 2.000	3rd Qu. : 0.0	3rd Qu. : 0.0	
Max. : 8.000	Max. : 3.000	Max. : 100000.0	Max. : 80000.0	
	NA's : 4787			
q04_22a	q04_22b	q04_22c1	q04_22c2	q04_22c3
Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 1.000
1st Qu. : 1.000	1st Qu. : 2.000	1st Qu. : 1.000	1st Qu. : 2.000	1st Qu. : 3.000
Median : 1.000	Median : 2.000	Median : 1.000	Median : 2.000	Median : 3.000
Mean : 1.332	Mean : 1.783	Mean : 1.452	Mean : 2.553	Mean : 3.676
3rd Qu. : 1.000	3rd Qu. : 2.000	3rd Qu. : 2.000	3rd Qu. : 3.000	3rd Qu. : 4.000
Max. : 8.000	Max. : 2.000	Max. : 12.000	Max. : 12.000	Max. : 14.000
	NA's : 1293	NA's : 3613	NA's : 5730	NA's : 9940
q04_22d	q04_23a	q04_23b	q04_23c	q04_23d
Min. : 0.000	Min. : 0	Min. : 0	Min. : 0	Min. : 0
1st Qu. : 2.000	1st Qu. : 0	1st Qu. : 0	1st Qu. : 0	1st Qu. : 12000
Median : 4.000	Median : 0	Median : 0	Median : 900	Median : 25000
Mean : 5.171	Mean : 14685	Mean : 4465	Mean : 2725	Mean : 26068
3rd Qu. : 6.000	3rd Qu. : 10000	3rd Qu. : 0	3rd Qu. : 4000	3rd Qu. : 30000
Max. : 90.000	Max. : 890000	Max. : 240000	Max. : 48000	Max. : 450000
NA's : 3677				
q04_23e	q04_23f	q04_23g	q04_24	
Min. : 0	Min. : 0	Min. : 0.0	Min. : 1.000	
1st Qu. : 0	1st Qu. : 0	1st Qu. : 0.0	1st Qu. : 1.000	
Median : 0	Median : 0	Median : 0.0	Median : 1.000	

Mean : 3183	Mean : 4842	Mean : 656.4	Mean : 1.087
3rd Qu. : 0	3rd Qu. : 6800	3rd Qu. : 0.0	3rd Qu. : 1.000
Max. : 98000	Max. : 90000	Max. : 300000.0	Max. : 4.000
			NA's : 4

q04_25a	q04_25b	q04_26	hhid
Min. : 0	Min. : 0	Min. : 0	Min. : 100101
1st Qu. : 60000	1st Qu. : 40000	1st Qu. : 0	1st Qu. : 308205
Median : 120000	Median : 70000	Median : 0	Median : 804502
Mean : 263210	Mean : 148053	Mean : 1828	Mean : 976828
3rd Qu. : 287000	3rd Qu. : 120000	3rd Qu. : 0	3rd Qu. : 1405104
Max. : 2800000	Max. : 12000000	Max. : 1500000	Max. : 2400320
NA's : 11658	NA's : 310	NA's : 35	

12 #### s05a.landown

hhid	province	urbanrural	weight
Min. : 100101	Min. : 1.000	Min. : 1.000	Min. : 45.68
1st Qu. : 308119	1st Qu. : 3.000	1st Qu. : 2.000	1st Qu. : 233.39
Median : 702815	Median : 7.000	Median : 2.000	Median : 246.76
Mean : 984537	Mean : 9.819	Mean : 1.948	Mean : 249.47
3rd Qu. : 1600320	3rd Qu. : 16.000	3rd Qu. : 2.000	3rd Qu. : 263.24
Max. : 2400320	Max. : 24.000	Max. : 2.000	Max. : 591.08

hsize	weight3	psu	stratum	surveymonth
Min. : 1.000	Min. : 117.6	Min. : 1001	Min. : 11.0	Min. : 1.000
1st Qu. : 4.000	1st Qu. : 899.7	1st Qu. : 3081	1st Qu. : 32.0	1st Qu. : 3.000
Median : 5.000	Median : 1188.3	Median : 7028	Median : 72.0	Median : 6.000
Mean : 4.996	Mean : 1250.2	Mean : 9845	Mean : 100.1	Mean : 6.208
3rd Qu. : 6.000	3rd Qu. : 1546.0	3rd Qu. : 16003	3rd Qu. : 162.0	3rd Qu. : 9.000
Max. : 15.000	Max. : 5319.7	Max. : 24003	Max. : 242.0	Max. : 12.000

region	year	hhid_string	q05ac01	q05ac02
Min. : 1.000	Min. : 2009	Length:16458	Min. : 1.000	Min. : 15
1st Qu. : 3.000	1st Qu. : 2009	Class :character	1st Qu. : 1.000	1st Qu. : 2000
Median : 3.000	Median : 2009	Mode :character	Median : 1.000	Median : 5000
Mean : 2.935	Mean : 2009		Mean : 1.776	Mean : 9042
3rd Qu. : 3.000	3rd Qu. : 2009		3rd Qu. : 2.000	3rd Qu. : 10000
Max. : 3.000	Max. : 2009		Max. : 9.000	Max. : 3000000

q05ac03	q05ac04a	q05ac04b	q05ac04c
Min. : 1.000	Min. : 1	Min. : 1.000	Min. : 1.000
1st Qu. : 1.000	1st Qu. : 400	1st Qu. : 1.000	1st Qu. : 2.000
Median : 1.000	Median : 70000	Median : 1.000	Median : 2.000
Mean : 1.168	Mean : 238431	Mean : 1.382	Mean : 2.352
3rd Qu. : 1.000	3rd Qu. : 200000	3rd Qu. : 2.000	3rd Qu. : 3.000
Max. : 5.000	Max. : 80000000	Max. : 3.000	Max. : 4.000
	NA's : 1377	NA's : 1379	NA's : 1529

q05ac05a	q05ac05b	q05ac05c	q05ac06a
Min. : 1	Min. : 1.000	Min. : 1.000	Min. : 24
1st Qu. : 240	1st Qu. : 1.000	1st Qu. : 2.000	1st Qu. : 500
Median : 1065	Median : 2.000	Median : 3.000	Median : 120000
Mean : 323886	Mean : 1.532	Mean : 2.521	Mean : 326199
3rd Qu. : 200000	3rd Qu. : 2.000	3rd Qu. : 3.000	3rd Qu. : 395000
Max. : 20000000	Max. : 3.000	Max. : 4.000	Max. : 7125000
NA's : 15682	NA's : 15682	NA's : 15686	NA's : 15859

q05ac06b	q05ac06c	q05ac07	q05ac08	q05ac09
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Min. :1.000	Min. :1.000	Min. : 1.000	Min. :1950	Min. :1.000
1st Qu.:1.000	1st Qu.:2.000	1st Qu.: 1.000	1st Qu.:1981	1st Qu.:1.000
Median :1.000	Median :3.000	Median : 1.000	Median :1989	Median :2.000
Mean :1.387	Mean :2.503	Mean : 1.983	Mean :1991	Mean :2.297
3rd Qu.:2.000	3rd Qu.:3.000	3rd Qu.: 2.000	3rd Qu.:2000	3rd Qu.:2.000
Max. :3.000	Max. :3.000	Max. :10.000	Max. :2009	Max. :8.000
NA's :15859	NA's :15859	NA's :4	NA's :4	
q05ac10	q05ac11	q05ac12	q05ac13a	
Min. : 50000	Min. : 50000	Min. :1.00	Min. :1.000	
1st Qu.: 700000	1st Qu.: 2000000	1st Qu.:1.00	1st Qu.:1.000	
Median : 2000000	Median : 5000000	Median :1.00	Median :3.000	
Mean : 7679617	Mean : 14460705	Mean :1.56	Mean :2.972	
3rd Qu.: 5295000	3rd Qu.: 12000000	3rd Qu.:2.00	3rd Qu.:4.000	
Max. :960000000	Max. :980000000	Max. :4.00	Max. :7.000	
NA's :13988			NA's :8065	
q05ac13b	q05ac14	q05ac15	q05ac16a	q05ac16b
Min. :1.000	Min. :1.000	Min. : 1.000	Min. :1.000	Min. :1.000
1st Qu.:3.000	1st Qu.:1.000	1st Qu.: 1.000	1st Qu.:1.000	1st Qu.:2.000
Median :4.000	Median :1.000	Median : 1.000	Median :1.000	Median :2.000
Mean :3.691	Mean :1.719	Mean : 5.527	Mean :1.491	Mean :2.291
3rd Qu.:4.000	3rd Qu.:2.000	3rd Qu.: 1.000	3rd Qu.:1.000	3rd Qu.:2.000
Max. :8.000	Max. :7.000	Max. :99.000	Max. :6.000	Max. :6.000
NA's :8065	NA's :8065		NA's :63	NA's :15966
q05ac16c	q05ac17	q05ac18a	q05ac18b	q05ac18c
Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000
1st Qu.:3.000	1st Qu.:2.000	1st Qu.:1.000	1st Qu.:2.000	1st Qu.:3.250
Median :3.000	Median :4.000	Median :1.000	Median :6.000	Median :4.000
Mean :2.757	Mean :3.106	Mean :1.231	Mean :4.663	Mean :4.167
3rd Qu.:3.000	3rd Qu.:4.000	3rd Qu.:1.000	3rd Qu.:7.000	3rd Qu.:6.250
Max. :5.000	Max. :4.000	Max. :8.000	Max. :7.000	Max. :8.000
NA's :16421			NA's :16369	NA's :16440
q05ac19	q05ac20	q05ac21	q05ac22	
Min. :1979	Min. :1.000	Min. :1979	Min. :1.000	
1st Qu.:1986	1st Qu.:1.000	1st Qu.:1982	1st Qu.:3.000	
Median :1998	Median :1.000	Median :1990	Median :3.000	
Mean :1995	Mean :1.144	Mean :1991	Mean :2.963	
3rd Qu.:2005	3rd Qu.:1.000	3rd Qu.:2000	3rd Qu.:3.000	
Max. :2009	Max. :2.000	Max. :2009	Max. :3.000	
NA's :15090		NA's :2472		

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## 13 #### s05b.cropsproduction #####
      hhid      province      urbanrural      weight      hhsz
Min. : 100101 Min. : 1.00 Min. :1.000 Min. : 45.68 Min. : 1.000
1st Qu.: 307503 1st Qu.: 3.00 1st Qu.:2.000 1st Qu.:233.32 1st Qu.: 4.000
Median : 702516 Median : 7.00 Median :2.000 Median :246.74 Median : 5.000
Mean : 966644 Mean : 9.64 Mean :1.955 Mean :249.96 Mean : 5.052
3rd Qu.:1501601 3rd Qu.:15.00 3rd Qu.:2.000 3rd Qu.:262.96 3rd Qu.: 6.000
Max. :2400320 Max. :24.00 Max. :2.000 Max. :591.08 Max. :15.000

      weight3      psu      stratum      surveymonth      region
Min. : 117.6 Min. : 1001 Min. : 11.00 Min. : 1.000 Min. :1.00
1st Qu.: 909.4 1st Qu.: 3075 1st Qu.: 32.00 1st Qu.: 3.000 1st Qu.:3.00
Median :1203.7 Median : 7025 Median : 72.00 Median : 6.000 Median :3.00
Mean :1267.1 Mean : 9666 Mean : 98.35 Mean : 6.084 Mean :2.95
3rd Qu.:1566.5 3rd Qu.:15016 3rd Qu.:152.00 3rd Qu.: 9.000 3rd Qu.:3.00
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Max. :5319.7 Max. :24003 Max. :242.00 Max. :12.000 Max. :3.00

year	hhid_string	wetdry	q05bc01	q05bc02
Min. :2009	Length:17773	Min. :1.00	Min. :1.000	Min. :1.000
1st Qu.:2009	Class :character	1st Qu.:1.00	1st Qu.:1.000	1st Qu.:1.000
Median :2009	Mode :character	Median :1.00	Median :1.000	Median :1.000
Mean :2009		Mean :1.24	Mean :1.742	Mean :1.767
3rd Qu.:2009		3rd Qu.:1.00	3rd Qu.:2.000	3rd Qu.:2.000
Max. :2009		Max. :2.00	Max. :10.000	Max. :9.000

q05bc03b	q05bc04	q05bc05	q05bc06
Length:17773	Min. :10	Min. :0	Min. :0
Class :character	1st Qu.:1800	1st Qu.:1500	1st Qu.:250
Mode :character	Median :4724	Median :4000	Median :700
	Mean :7502	Mean :6843	Mean :1399
	3rd Qu.:10000	3rd Qu.:9000	3rd Qu.:1500
	Max. :3000000	Max. :3000000	Max. :80000
	NA's :1	NA's :2	NA's :4

q05bc07	q05bc08	q05bc09	pastyear
Min. :0.00	Min. :0.00	Min. :0	Min. :1
1st Qu.:0.00	1st Qu.:0.00	1st Qu.:600	1st Qu.:2008
Median :5.00	Median :0.00	Median :750	Median :2008
Mean :27.84	Mean :48.97	Mean :1790	Mean :2008
3rd Qu.:20.00	3rd Qu.:5.00	3rd Qu.:920	3rd Qu.:2008
Max. :10000.00	Max. :49900.00	Max. :12600000	Max. :2009
NA's :8	NA's :11	NA's :11	

14 ##### s05c.costcrops

hhid	province	urbanrural	weight
Min. :100101	Min. :1.000	Min. :1.000	Min. :45.68
1st Qu.:307610	1st Qu.:3.000	1st Qu.:2.000	1st Qu.:233.32
Median :702720	Median :7.000	Median :2.000	Median :246.75
Mean :973134	Mean :9.705	Mean :1.958	Mean :249.84
3rd Qu.:1501709	3rd Qu.:15.000	3rd Qu.:2.000	3rd Qu.:262.82
Max. :2400320	Max. :24.000	Max. :2.000	Max. :591.08

hhsz	weight3	psu	stratum	surveymonth
Min. :1.000	Min. :117.6	Min. :1001	Min. :11.00	Min. :1.000
1st Qu.:4.000	1st Qu.:910.5	1st Qu.:3076	1st Qu.:32.00	1st Qu.:3.000
Median :5.000	Median :1203.7	Median :7027	Median :72.00	Median :6.000
Mean :5.049	Mean :1265.3	Mean :9731	Mean :99.01	Mean :6.076
3rd Qu.:6.000	3rd Qu.:1563.9	3rd Qu.:15017	3rd Qu.:152.00	3rd Qu.:9.000
Max. :15.000	Max. :5319.7	Max. :24003	Max. :242.00	Max. :12.000

region	year	hhid_string	wetdry	q05cc01
Min. :1.000	Min. :2009	Length:16911	Min. :1.000	Min. :1.000
1st Qu.:3.000	1st Qu.:2009	Class :character	1st Qu.:1.000	1st Qu.:1.000
Median :3.000	Median :2009	Mode :character	Median :1.000	Median :1.000
Mean :2.952	Mean :2009		Mean :1.226	Mean :1.718
3rd Qu.:3.000	3rd Qu.:2009		3rd Qu.:1.000	3rd Qu.:2.000
Max. :3.000	Max. :2009		Max. :2.000	Max. :10.000

q05cc02	q05cc03	q05cc04	q05cc05
Min. :1.000	Min. :0	Min. :0	Min. :0
1st Qu.:1.000	1st Qu.:11975	1st Qu.:0	1st Qu.:0

Median :1.000	Median : 30000	Median : 35000	Median : 0
Mean :1.749	Mean : 82005	Mean : 137701	Mean : 23039
3rd Qu.:2.000	3rd Qu.: 79400	3rd Qu.: 150000	3rd Qu.: 30000
Max. :9.000	Max. :19440000	Max. :13000000	Max. :2050000
	NA's :3	NA's :7	NA's :15

q05cc06		q05cc07		q05cc08		q05cc09	
Min. :	0.0	Min. :	0	Min. :	0	Min. :	0.0e+00
1st Qu.:	0.0	1st Qu.:	0	1st Qu.:	0	1st Qu.:	0.0e+00
Median :	0.0	Median :	0	Median :	2000	Median :	0.0e+00
Mean :	381.8	Mean :	22756	Mean :	11547	Mean :	7.2e+04
3rd Qu.:	0.0	3rd Qu.:	0	3rd Qu.:	12000	3rd Qu.:	8.0e+04
Max. :	2000000.0	Max. :	6500000	Max. :	1200000	Max. :	1.3e+07
NA's :	28	NA's :	27	NA's :	13	NA's :	22

q05cc10		q05cc11		q05cc12		q05cc13	
Min. :	0	Min. :	0	Min. :	0.0	Min. :	0
1st Qu.:	0	1st Qu.:	0	1st Qu.:	0.0	1st Qu.:	0
Median :	0	Median :	0	Median :	0.0	Median :	0
Mean :	68812	Mean :	8632	Mean :	174.6	Mean :	12884
3rd Qu.:	60000	3rd Qu.:	0	3rd Qu.:	0.0	3rd Qu.:	0
Max. :	12000000	Max. :	4800000	Max. :	1000000.0	Max. :	19440000
NA's :	23	NA's :	44	NA's :	45	NA's :	51

q05cc14		q05cc15		q05cc16	
Min. :	0	Min. :	0	Min. :	0
1st Qu.:	0	1st Qu.:	0	1st Qu.:	77000
Median :	0	Median :	0	Median :	216800
Mean :	3179	Mean :	8850	Mean :	451464
3rd Qu.:	0	3rd Qu.:	0	3rd Qu.:	496250
Max. :	3000000	Max. :	13000000	Max. :	57496000
NA's :	49	NA's :	55	NA's :	12

15 ##### s05d.cropsinventory

hhid	province	urbanrural	weight	hhsize
Min. : 100105	Min. : 1.00	Min. :1.000	Min. : 45.68	Min. : 1.000
1st Qu.: 401914	1st Qu.: 4.00	1st Qu.:2.000	1st Qu.:234.55	1st Qu.: 4.000
Median : 802906	Median : 8.00	Median :2.000	Median :247.78	Median : 5.000
Mean :1014947	Mean :10.12	Mean :1.966	Mean :250.20	Mean : 4.943
3rd Qu.:1600602	3rd Qu.:16.00	3rd Qu.:2.000	3rd Qu.:262.96	3rd Qu.: 6.000
Max. :2400316	Max. :24.00	Max. :2.000	Max. :591.08	Max. :15.000

weight3	psu	stratum	surveymonth	region
Min. : 131.5	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. :1.00
1st Qu.: 902.1	1st Qu.: 4019	1st Qu.: 42.0	1st Qu.: 3.000	1st Qu.:3.00
Median :1177.3	Median : 8029	Median : 82.0	Median : 6.000	Median :3.00
Mean :1241.2	Mean :10149	Mean :103.2	Mean : 6.278	Mean :2.96
3rd Qu.:1538.0	3rd Qu.:16006	3rd Qu.:162.0	3rd Qu.: 9.000	3rd Qu.:3.00
Max. :5319.7	Max. :24003	Max. :242.0	Max. :12.000	Max. :3.00

year	hhid_string	q05dc01	q05dc02b
Min. :2009	Length:7308	Min. : 1.000	Length:7308
1st Qu.:2009	Class :character	1st Qu.: 1.000	Class :character
Median :2009	Mode :character	Median : 1.000	Mode :character
Mean :2009		Mean : 1.267	
3rd Qu.:2009		3rd Qu.: 1.000	
Max. :2009		Max. :10.000	

q05dc03	q05dc04
Min. : 0	Min. : 0.0
1st Qu.: 390	1st Qu.: 700.0
Median : 800	Median : 750.0
Mean : 1162	Mean : 947.3
3rd Qu.: 1440	3rd Qu.: 900.0
Max. : 35000	Max. : 96000.0
	NA's : 2

16 ##### s05e1.animals

hhid	province	urbanrural	weight
Min. : 100101	Min. : 1.000	Min. : 1.000	Min. : 45.68
1st Qu.: 307903	1st Qu.: 3.000	1st Qu.: 2.000	1st Qu.: 232.32
Median : 802509	Median : 8.000	Median : 2.000	Median : 246.52
Mean : 985473	Mean : 9.829	Mean : 1.937	Mean : 249.03
3rd Qu.: 1501604	3rd Qu.: 15.000	3rd Qu.: 2.000	3rd Qu.: 264.07
Max. : 2400320	Max. : 24.000	Max. : 2.000	Max. : 591.08

hhsz	weight3	psu	stratum	surveymonth
Min. : 1.000	Min. : 131.5	Min. : 1001	Min. : 11.0	Min. : 1.00
1st Qu.: 4.000	1st Qu.: 868.2	1st Qu.: 3079	1st Qu.: 32.0	1st Qu.: 3.00
Median : 5.000	Median : 1161.6	Median : 8025	Median : 82.0	Median : 6.00
Mean : 4.905	Mean : 1223.2	Mean : 9855	Mean : 100.2	Mean : 6.39
3rd Qu.: 6.000	3rd Qu.: 1511.1	3rd Qu.: 15016	3rd Qu.: 152.0	3rd Qu.: 9.00
Max. : 15.000	Max. : 5319.7	Max. : 24003	Max. : 242.0	Max. : 12.00

region	year	hhid_string	q05e1c01	q05e1c03
Min. : 1.000	Min. : 2009	Length: 84350	Min. : 1.0	Min. : 1.000
1st Qu.: 3.000	1st Qu.: 2009	Class : character	1st Qu.: 3.0	1st Qu.: 2.000
Median : 3.000	Median : 2009	Mode : character	Median : 5.5	Median : 2.000
Mean : 2.929	Mean : 2009		Mean : 5.5	Mean : 1.788
3rd Qu.: 3.000	3rd Qu.: 2009		3rd Qu.: 8.0	3rd Qu.: 2.000
Max. : 3.000	Max. : 2009		Max. : 10.0	Max. : 2.000
				NA's : 5

q05e1c04	q05e1c05	q05e1c06	q05e1c07
Min. : 0.00	Min. : 0.00	Min. : 0	Min. : 0
1st Qu.: 2.00	1st Qu.: 1.00	1st Qu.: 60000	1st Qu.: 2
Median : 4.00	Median : 2.00	Median : 180000	Median : 4
Mean : 8.74	Mean : 5.11	Mean : 1250579	Mean : 22
3rd Qu.: 10.00	3rd Qu.: 5.00	3rd Qu.: 1500000	3rd Qu.: 10
Max. : 2500.00	Max. : 2000.00	Max. : 80000000	Max. : 80000
NA's : 66475	NA's : 66475	NA's : 66473	NA's : 66479

q05e1c08	q05e1c09	q05e1c10	q05e1c11
Min. : 0	Min. : 0	Min. : 0	Min. : 0
1st Qu.: 60000	1st Qu.: 0	1st Qu.: 0	1st Qu.: 0
Median : 200000	Median : 0	Median : 0	Median : 0
Mean : 1221717	Mean : 259833	Mean : 103022	Mean : 33776
3rd Qu.: 1400000	3rd Qu.: 80000	3rd Qu.: 0	3rd Qu.: 40000
Max. : 88000000	Max. : 63000000	Max. : 60000000	Max. : 7000000
NA's : 66475	NA's : 66478	NA's : 66509	NA's : 66523

q05e1c12	q05e1c13	q05e1c14	q05e1c15
Min. : 0	Min. : 0	Min. : 0	Min. : 0.0
1st Qu.: 0	1st Qu.: 0	1st Qu.: 0	1st Qu.: 0.0
Median : 0	Median : 0	Median : 0	Median : 0.0
Mean : 3941	Mean : 35842	Mean : 20528	Mean : 544.1

3rd Qu. : 0	3rd Qu. : 0	3rd Qu. : 20000	3rd Qu. : 0.0
Max. : 9000000	Max. : 146000000	Max. : 7200000	Max. : 500000.0
NA's : 66518	NA's : 66527	NA's : 66530	NA's : 66551

17 #### s05e2.animalsexpenses

hhid	province	urbanrural	weight	hhsz
Min. : 100101	Min. : 1.00	Min. : 1.000	Min. : 45.68	Min. : 1.000
1st Qu. : 308803	1st Qu. : 3.00	1st Qu. : 2.000	1st Qu. : 232.32	1st Qu. : 4.000
Median : 803319	Median : 8.00	Median : 2.000	Median : 245.67	Median : 5.000
Mean : 1015889	Mean : 10.13	Mean : 1.946	Mean : 249.10	Mean : 4.921
3rd Qu. : 1600310	3rd Qu. : 16.00	3rd Qu. : 2.000	3rd Qu. : 263.21	3rd Qu. : 6.000
Max. : 2400320	Max. : 24.00	Max. : 2.000	Max. : 591.08	Max. : 15.000

weight3	psu	stratum	surveymonth	region
Min. : 131.5	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. : 1.00
1st Qu. : 883.4	1st Qu. : 3088	1st Qu. : 32.0	1st Qu. : 3.000	1st Qu. : 3.00
Median : 1165.6	Median : 8033	Median : 82.0	Median : 6.000	Median : 3.00
Mean : 1228.5	Mean : 10159	Mean : 103.3	Mean : 6.201	Mean : 2.94
3rd Qu. : 1510.5	3rd Qu. : 16003	3rd Qu. : 162.0	3rd Qu. : 9.000	3rd Qu. : 3.00
Max. : 5319.7	Max. : 24003	Max. : 242.0	Max. : 12.000	Max. : 3.00

year	hhid_string	q05e2c01	q05e2c03
Min. : 2009	Length:14486	Min. : 1.000	Min. : 0
1st Qu. : 2009	Class :character	1st Qu. : 1.000	1st Qu. : 15000
Median : 2009	Mode :character	Median : 2.000	Median : 50000
Mean : 2009		Mean : 2.317	Mean : 200920
3rd Qu. : 2009		3rd Qu. : 4.000	3rd Qu. : 150000
Max. : 2009		Max. : 6.000	Max. : 117750000
			NA's : 1

18 #### s05f1.fisharea

hhid	province	urbanrural	weight	hhsz
Min. : 100101	Min. : 1.00	Min. : 1.000	Min. : 130.7	Min. : 2.000
1st Qu. : 751261	1st Qu. : 7.50	1st Qu. : 2.000	1st Qu. : 230.9	1st Qu. : 4.000
Median : 1402214	Median : 14.00	Median : 2.000	Median : 240.2	Median : 5.000
Mean : 1369834	Mean : 13.68	Mean : 1.907	Mean : 253.1	Mean : 5.106
3rd Qu. : 2001514	3rd Qu. : 20.00	3rd Qu. : 2.000	3rd Qu. : 253.6	3rd Qu. : 6.000
Max. : 2400320	Max. : 24.00	Max. : 2.000	Max. : 585.1	Max. : 12.000

weight3	psu	stratum	surveymonth	region
Min. : 348.9	Min. : 1001	Min. : 11.0	Min. : 1.00	Min. : 2.000
1st Qu. : 946.1	1st Qu. : 7512	1st Qu. : 76.5	1st Qu. : 2.00	1st Qu. : 3.000
Median : 1197.0	Median : 14022	Median : 142.0	Median : 6.00	Median : 3.000
Mean : 1297.9	Mean : 13698	Mean : 138.7	Mean : 5.93	Mean : 2.907
3rd Qu. : 1605.2	3rd Qu. : 20015	3rd Qu. : 202.0	3rd Qu. : 9.00	3rd Qu. : 3.000
Max. : 4095.5	Max. : 24003	Max. : 242.0	Max. : 12.00	Max. : 3.000

year	hhid_string	q05f1c01	q05f1c02	q05f1c03
Min. : 2009	Length:227	Min. : 1.00	Min. : 1.000	Min. : 6.0
1st Qu. : 2009	Class :character	1st Qu. : 1.00	1st Qu. : 1.000	1st Qu. : 37.5
Median : 2009	Mode :character	Median : 1.00	Median : 1.000	Median : 80.0
Mean : 2009		Mean : 1.07	Mean : 1.145	Mean : 376.5
3rd Qu. : 2009		3rd Qu. : 1.00	3rd Qu. : 1.000	3rd Qu. : 225.0
Max. : 2009		Max. : 3.00	Max. : 5.000	Max. : 8000.0

q05f1c04	q05f1c05
Min. : 0	Min. : 0

1st Qu. :	400000	1st Qu. :	10000
Median :	900000	Median :	30000
Mean :	4207211	Mean :	103687
3rd Qu. :	2000000	3rd Qu. :	100000
Max. :	84000000	Max. :	3000000

19 #### s05f2.fishexpenses

hhid	province	urbanrural	weight	hhsiz
Min. : 100101	Min. : 1.00	Min. : 1.000	Min. : 45.68	Min. : 1.000
1st Qu. : 401001	1st Qu. : 4.00	1st Qu. : 2.000	1st Qu. : 230.65	1st Qu. : 4.000
Median : 804620	Median : 8.00	Median : 2.000	Median : 245.19	Median : 5.000
Mean : 1030718	Mean : 10.28	Mean : 1.951	Mean : 248.58	Mean : 5.021
3rd Qu. : 1701603	3rd Qu. : 17.00	3rd Qu. : 2.000	3rd Qu. : 263.21	3rd Qu. : 6.000
Max. : 2400320	Max. : 24.00	Max. : 2.000	Max. : 591.08	Max. : 15.000

weight3	psu	stratum	surveymonth	region
Min. : 137	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. : 1.000
1st Qu. : 905	1st Qu. : 4010	1st Qu. : 42.0	1st Qu. : 4.000	1st Qu. : 3.000
Median : 1175	Median : 8046	Median : 82.0	Median : 6.000	Median : 3.000
Mean : 1251	Mean : 10307	Mean : 104.8	Mean : 6.438	Mean : 2.949
3rd Qu. : 1545	3rd Qu. : 17016	3rd Qu. : 172.0	3rd Qu. : 9.000	3rd Qu. : 3.000
Max. : 5320	Max. : 24003	Max. : 242.0	Max. : 12.000	Max. : 3.000

year	hhid_string	q05f2c01	q05f2c03
Min. : 2009	Length:7853	Min. : 1.000	Min. : 0
1st Qu. : 2009	Class :character	1st Qu. : 5.000	1st Qu. : 12000
Median : 2009	Mode :character	Median : 5.000	Median : 30000
Mean : 2009		Mean : 5.031	Mean : 133131
3rd Qu. : 2009		3rd Qu. : 5.000	3rd Qu. : 70000
Max. : 2009		Max. : 12.000	Max. : 30000000
			NA's : 1

20 #### s05f3.fishincome

hhid	province	urbanrural	weight	hhsiz
Min. : 100101	Min. : 1.00	Min. : 1.000	Min. : 45.68	Min. : 1.000
1st Qu. : 400620	1st Qu. : 4.00	1st Qu. : 2.000	1st Qu. : 230.53	1st Qu. : 4.000
Median : 805208	Median : 8.00	Median : 2.000	Median : 245.19	Median : 5.000
Mean : 1034623	Mean : 10.32	Mean : 1.955	Mean : 249.14	Mean : 5.003
3rd Qu. : 1702107	3rd Qu. : 17.00	3rd Qu. : 2.000	3rd Qu. : 263.32	3rd Qu. : 6.000
Max. : 2400320	Max. : 24.00	Max. : 2.000	Max. : 591.08	Max. : 15.000

weight3	psu	stratum	surveymonth	region
Min. : 137.0	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. : 1.000
1st Qu. : 904.8	1st Qu. : 4006	1st Qu. : 42.0	1st Qu. : 3.000	1st Qu. : 3.000
Median : 1172.7	Median : 8052	Median : 82.0	Median : 6.000	Median : 3.000
Mean : 1249.7	Mean : 10346	Mean : 105.2	Mean : 6.391	Mean : 2.952
3rd Qu. : 1536.9	3rd Qu. : 17021	3rd Qu. : 172.0	3rd Qu. : 9.000	3rd Qu. : 3.000
Max. : 5319.7	Max. : 24003	Max. : 242.0	Max. : 12.000	Max. : 3.000

year	hhid_string	q05f3c01	q05f3c03
Min. : 2009	Length:12364	Min. : 1.00	Min. : 0
1st Qu. : 2009	Class :character	1st Qu. : 2.00	1st Qu. : 45000
Median : 2009	Mode :character	Median : 2.00	Median : 100000
Mean : 2009		Mean : 2.39	Mean : 344381

3rd Qu. :2009	3rd Qu. :3.00	3rd Qu. : 250000
Max. :2009	Max. :7.00	Max. :95000000
	NA's :1	

21 ##### s05g1. forestincome

hhid	province	urbanrural	weight	hhsz
Min. : 100102	Min. : 1.00	Min. :1.000	Min. : 45.06	Min. : 1.000
1st Qu. : 307314	1st Qu. : 3.00	1st Qu. :2.000	1st Qu. :230.88	1st Qu. : 3.000
Median : 804020	Median : 8.00	Median :2.000	Median :245.49	Median : 5.000
Mean :1006510	Mean :10.04	Mean :1.957	Mean :250.53	Mean : 4.792
3rd Qu. :1600614	3rd Qu. :16.00	3rd Qu. :2.000	3rd Qu. :264.81	3rd Qu. : 6.000
Max. :2400320	Max. :24.00	Max. :2.000	Max. :591.08	Max. :15.000

weight3	psu	stratum	surveymonth	region
Min. : 45.06	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. :1.000
1st Qu. : 814.91	1st Qu. : 3073	1st Qu. : 32.0	1st Qu. : 3.000	1st Qu. :3.000
Median :1138.11	Median : 8040	Median : 82.0	Median : 6.000	Median :3.000
Mean :1205.04	Mean :10065	Mean :102.4	Mean : 6.514	Mean :2.955
3rd Qu. :1500.44	3rd Qu. :16006	3rd Qu. :162.0	3rd Qu. :10.000	3rd Qu. :3.000
Max. :5319.70	Max. :24003	Max. :242.0	Max. :12.000	Max. :3.000

year	hhid_string	q05g1c01	q05g1c03
Min. :2009	Length:19398	Min. : 1.000	Min. : 0
1st Qu. :2009	Class :character	1st Qu. : 2.000	1st Qu. : 0
Median :2009	Mode :character	Median : 4.000	Median : 0
Mean :2009		Mean : 4.111	Mean : 47703
3rd Qu. :2009		3rd Qu. : 6.000	3rd Qu. : 0
Max. :2009		Max. :10.000	Max. :18000000
		NA's :9	

q05g1c04	q05g1c05	q05g1c06
Min. : 0	Min. : 0	Min. : 0
1st Qu. : 40000	1st Qu. : 0	1st Qu. : 45000
Median : 100000	Median : 0	Median : 140000
Mean : 203789	Mean : 1376	Mean : 252939
3rd Qu. : 324000	3rd Qu. : 0	3rd Qu. : 360000
Max. :12000000	Max. :600000	Max. :19000000
NA's :5	NA's :17	NA's :18

22 ##### s05g2. forestexpenses

hhid	province	urbanrural	weight
Min. : 100102	Min. : 1.000	Min. :1.000	Min. : 45.68
1st Qu. : 305709	1st Qu. : 3.000	1st Qu. :2.000	1st Qu. :234.01
Median : 800656	Median : 8.000	Median :2.000	Median :248.69
Mean : 971465	Mean : 9.689	Mean :1.949	Mean :250.83
3rd Qu. :1600617	3rd Qu. :16.000	3rd Qu. :2.000	3rd Qu. :265.57
Max. :2400320	Max. :24.000	Max. :2.000	Max. :591.08

hhsz	weight3	psu	stratum
Min. : 1.000	Min. : 91.36	Min. : 1001	Min. : 11.00
1st Qu. : 4.000	1st Qu. : 831.37	1st Qu. : 3057	1st Qu. : 32.00
Median : 5.000	Median :1152.92	Median : 8006	Median : 81.00
Mean : 4.832	Mean :1217.01	Mean : 9715	Mean : 98.84
3rd Qu. : 6.000	3rd Qu. :1521.78	3rd Qu. :16006	3rd Qu. :162.00
Max. :14.000	Max. :5319.70	Max. :24003	Max. :242.00

surveymonth	region	year	hhid_string	q05g2c01
Min. : 1.000	Min. :1.000	Min. :2009	Length:5928	Min. :1.000
1st Qu.: 3.000	1st Qu.:3.000	1st Qu.:2009	Class :character	1st Qu.:3.000
Median : 7.000	Median :3.000	Median :2009	Mode :character	Median :5.000
Mean : 6.605	Mean :2.948	Mean :2009		Mean :4.195
3rd Qu.:10.000	3rd Qu.:3.000	3rd Qu.:2009		3rd Qu.:5.000
Max. :12.000	Max. :3.000	Max. :2009		Max. :7.000

q05g2c03

Min. :	0
1st Qu.:	10000
Median :	20000
Mean :	43003
3rd Qu.:	34000
Max. :	5000000
NA's :	1

23 #### s05h1.bussiness

hhid	province	urbanrural	weight	hhsz
Min. : 100105	Min. : 1.00	Min. :1.00	Min. : 45.06	Min. : 1.000
1st Qu.: 402202	1st Qu.: 4.00	1st Qu.:1.00	1st Qu.:225.52	1st Qu.: 4.000
Median :1000920	Median :10.00	Median :2.00	Median :246.57	Median : 5.000
Mean :1030709	Mean :10.28	Mean :1.66	Mean :243.02	Mean : 5.088
3rd Qu.:1501002	3rd Qu.:15.00	3rd Qu.:2.00	3rd Qu.:266.15	3rd Qu.: 6.000
Max. :2400319	Max. :24.00	Max. :2.00	Max. :591.08	Max. :15.000

weight3	psu	stratum	surveymonth	region
Min. : 91.36	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. :1.00
1st Qu.: 840.03	1st Qu.: 4022	1st Qu.: 42.0	1st Qu.: 3.000	1st Qu.:2.00
Median :1174.92	Median :10009	Median :102.0	Median : 6.000	Median :3.00
Mean :1239.53	Mean :10307	Mean :104.4	Mean : 6.478	Mean :2.49
3rd Qu.:1539.42	3rd Qu.:15010	3rd Qu.:152.0	3rd Qu.:10.000	3rd Qu.:3.00
Max. :4728.62	Max. :24003	Max. :242.0	Max. :12.000	Max. :3.00

year	hhid_string	q05h1c01	q05h1c04
Min. :2009	Length:4843	Min. :1.000	Length:4843
1st Qu.:2009	Class :character	1st Qu.:1.000	Class :character
Median :2009	Mode :character	Median :1.000	Mode :character
Mean :2009		Mean :1.187	
3rd Qu.:2009		3rd Qu.:1.000	
Max. :2009		Max. :5.000	

q05h1c05	q05h1c06a	q05h1c06b	q05h1c06c	q05h1c06d
Min. : 1.000	Min. : 1.00	Min. : 1.000	Min. : 1.000	Min. :1.000
1st Qu.: 1.000	1st Qu.: 2.00	1st Qu.: 3.000	1st Qu.: 4.000	1st Qu.:5.000
Median : 1.000	Median : 2.00	Median : 3.000	Median : 4.000	Median :5.000
Mean : 1.719	Mean : 2.49	Mean : 3.747	Mean : 4.488	Mean :5.328
3rd Qu.: 2.000	3rd Qu.: 3.00	3rd Qu.: 4.000	3rd Qu.: 5.000	3rd Qu.:6.000
Max. :13.000	Max. :13.00	Max. :14.000	Max. :10.000	Max. :9.000
NA's :6	NA's :2243	NA's :4080	NA's :4630	NA's :4782

q05h1c06e	q05h1c06f	q05h1c06g	q05h1c06h
Min. : 5.000	Min. : 6.000	Min. :7.0	Min. :8
1st Qu.: 6.000	1st Qu.: 6.500	1st Qu.:7.5	1st Qu.:8
Median : 7.000	Median : 8.000	Median :8.0	Median :8

Mean : 6.952	Mean : 8.333	Mean :8.0	Mean :8
3rd Qu.: 7.000	3rd Qu.: 8.750	3rd Qu.:8.5	3rd Qu.:8
Max. :12.000	Max. :13.000	Max. :9.0	Max. :8
NA's :4822	NA's :4837	NA's :4841	NA's :4842

24 ##### s05h2.bussinessexpenses

hhid	province	urbanrural	weight	hhsiz
Min. : 100105	Min. : 1.00	Min. :1.000	Min. : 45.06	Min. : 1.00
1st Qu.: 502003	1st Qu.: 5.00	1st Qu.:1.000	1st Qu.:222.18	1st Qu.: 4.00
Median :1200501	Median :12.00	Median :2.000	Median :246.05	Median : 5.00
Mean :1038451	Mean :10.36	Mean :1.604	Mean :241.26	Mean : 5.06
3rd Qu.:1500506	3rd Qu.:15.00	3rd Qu.:2.000	3rd Qu.:265.91	3rd Qu.: 6.00
Max. :2400319	Max. :24.00	Max. :2.000	Max. :591.08	Max. :15.00

weight3	psu	stratum	surveymonth	region
Min. : 91.36	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. :1.000
1st Qu.: 811.93	1st Qu.: 5020	1st Qu.: 52.0	1st Qu.: 3.000	1st Qu.:2.000
Median :1165.62	Median :12005	Median :121.0	Median : 6.000	Median :3.000
Mean :1225.01	Mean :10384	Mean :105.2	Mean : 6.382	Mean :2.399
3rd Qu.:1531.11	3rd Qu.:15005	3rd Qu.:152.0	3rd Qu.: 9.000	3rd Qu.:3.000
Max. :4728.62	Max. :24003	Max. :242.0	Max. :12.000	Max. :3.000

year	hhid_string	q05h2c01	q05h2c03
Min. :2009	Length:15720	Min. : 1.000	Min. :0.000e+00
1st Qu.:2009	Class :character	1st Qu.: 4.000	1st Qu.:6.000e+04
Median :2009	Mode :character	Median : 8.000	Median :2.000e+05
Mean :2009		Mean : 7.907	Mean :6.698e+06
3rd Qu.:2009		3rd Qu.:11.000	3rd Qu.:1.200e+06
Max. :2009		Max. :18.000	Max. :8.200e+09
		NA's :26	

q05h2c04	q05h2c05	q05h2c06	q05h2c07
Min. : 0	Min. : 0	Min. : 0	Min. : 0
1st Qu.: 0	1st Qu.: 0	1st Qu.: 0	1st Qu.: 0
Median : 0	Median : 0	Median : 0	Median : 0
Mean : 1591101	Mean : 356886	Mean : 76611	Mean : 32373
3rd Qu.: 120000	3rd Qu.: 0	3rd Qu.: 0	3rd Qu.: 0
Max. :800000000	Max. :240000000	Max. :62000000	Max. :42000000
NA's :11013	NA's :13770	NA's :14139	NA's :14176

25 ##### s05h3.bussinessincome

hhid	province	urbanrural	weight	hhsiz
Min. : 100105	Min. : 1.00	Min. :1.000	Min. : 45.06	Min. : 1.000
1st Qu.: 500177	1st Qu.: 5.00	1st Qu.:1.000	1st Qu.:225.52	1st Qu.: 4.000
Median :1001610	Median :10.00	Median :2.000	Median :246.05	Median : 5.000
Mean :1034158	Mean :10.31	Mean :1.663	Mean :243.30	Mean : 5.052
3rd Qu.:1500716	3rd Qu.:15.00	3rd Qu.:2.000	3rd Qu.:265.79	3rd Qu.: 6.000
Max. :2400319	Max. :24.00	Max. :2.000	Max. :591.08	Max. :15.000

weight3	psu	stratum	surveymonth	region
Min. : 91.36	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. :1.000
1st Qu.: 847.60	1st Qu.: 5002	1st Qu.: 51.0	1st Qu.: 4.000	1st Qu.:2.000
Median :1173.95	Median :10016	Median :102.0	Median : 6.000	Median :3.000
Mean :1232.95	Mean :10341	Mean :104.8	Mean : 6.557	Mean :2.492
3rd Qu.:1530.50	3rd Qu.:15007	3rd Qu.:152.0	3rd Qu.:10.000	3rd Qu.:3.000

Max. :4728.62 Max. :24003 Max. :242.0 Max. :12.000 Max. :3.000

year	hhid_string	q05h3c01	q05h3c03
Min. :2009	Length:5360	Min. : 1.000	Min. :0.000e+00
1st Qu.:2009	Class :character	1st Qu.: 3.000	1st Qu.:7.000e+05
Median :2009	Mode :character	Median : 5.000	Median :4.405e+06
Mean :2009		Mean : 5.485	Mean :2.805e+07
3rd Qu.:2009		3rd Qu.: 8.000	3rd Qu.:1.509e+07
Max. :2009		Max. :20.000	Max. :1.155e+10
			NA's :34

q05h3c04	q05h3c05	q05h3c06	q05h3c07
Min. : 0	Min. : 0	Min. : 0	Min. : 0
1st Qu.: 0	1st Qu.: 0	1st Qu.: 0	1st Qu.: 0
Median : 0	Median : 0	Median : 0	Median : 0
Mean : 6424300	Mean : 1796845	Mean : 255966	Mean : 18472
3rd Qu.: 3000000	3rd Qu.: 0	3rd Qu.: 0	3rd Qu.: 0
Max. :900000000	Max. :306000000	Max. :46000000	Max. :9125000
NA's :3746	NA's :4717	NA's :4853	NA's :4866

26 #### s06.liabilities

hhid	province	urbanrural	weight
Min. : 100101	Min. : 1.000	Min. :1.000	Min. : 45.68
1st Qu.: 307018	1st Qu.: 3.000	1st Qu.:2.000	1st Qu.:230.57
Median : 802214	Median : 8.000	Median :2.000	Median :244.96
Mean : 959802	Mean : 9.571	Mean :1.898	Mean :247.99
3rd Qu.:1500619	3rd Qu.:15.000	3rd Qu.:2.000	3rd Qu.:263.32
Max. :2400317	Max. :24.000	Max. :2.000	Max. :591.08

hhszize	weight3	psu	stratum
Min. : 1.000	Min. : 91.36	Min. : 1001	Min. : 11.00
1st Qu.: 4.000	1st Qu.: 902.06	1st Qu.: 3070	1st Qu.: 32.00
Median : 5.000	Median :1174.20	Median : 8022	Median : 82.00
Mean : 5.036	Mean :1249.04	Mean : 9598	Mean : 97.61
3rd Qu.: 6.000	3rd Qu.:1539.42	3rd Qu.:15006	3rd Qu.:152.00
Max. :15.000	Max. :4358.38	Max. :24003	Max. :242.00

surveymonth	region	year	hhid_string	q06_c01
Min. : 1.000	Min. :1.000	Min. :2009	Length:4732	Min. :1.000
1st Qu.: 3.000	1st Qu.:3.000	1st Qu.:2009	Class :character	1st Qu.:1.000
Median : 6.000	Median :3.000	Median :2009	Mode :character	Median :1.000
Mean : 6.346	Mean :2.868	Mean :2009		Mean :1.065
3rd Qu.: 9.000	3rd Qu.:3.000	3rd Qu.:2009		3rd Qu.:1.000
Max. :12.000	Max. :3.000	Max. :2009		Max. :6.000

q06_c02	q06_c03	q06_c04	q06_c05
Min. : 0.000	Min. : 0.000	Min. : 1.000	Min. : 1.000
1st Qu.: 3.000	1st Qu.: 4.000	1st Qu.: 3.000	1st Qu.: 1.000
Median : 5.000	Median : 8.000	Median : 5.000	Median : 3.000
Mean : 7.068	Mean : 8.752	Mean : 5.504	Mean : 3.143
3rd Qu.: 10.000	3rd Qu.: 12.000	3rd Qu.: 9.000	3rd Qu.: 4.000
Max. :312.000	Max. :241.000	Max. :10.000	Max. :10.000
NA's :1	NA's :28	NA's :2	

q06_c06	q06_c07	q06_c08
Min. : 6500	Min. : 5000	Min. : 0.000
1st Qu.: 400000	1st Qu.: 282000	1st Qu.: 1.600

Median :	1000000	Median :	663000	Median :	3.000
Mean :	2368598	Mean :	1752659	Mean :	2.941
3rd Qu. :	2000000	3rd Qu. :	1500000	3rd Qu. :	3.000
Max. :	164000000	Max. :	120000000	Max. :	35.000
	NA's :	2	NA's :	13	

27 ##### s07.incomeother

hhid	province	urbanrural	weight	hhsz
Min. : 100103	Min. : 1.00	Min. : 1.00	Min. : 45.06	Min. : 1.000
1st Qu. : 307340	1st Qu. : 3.00	1st Qu. : 2.00	1st Qu. : 230.42	1st Qu. : 3.000
Median : 900507	Median : 9.00	Median : 2.00	Median : 243.98	Median : 5.000
Mean : 1049609	Mean : 10.47	Mean : 1.85	Mean : 246.20	Mean : 4.731
3rd Qu. : 1702381	3rd Qu. : 17.00	3rd Qu. : 2.00	3rd Qu. : 261.74	3rd Qu. : 6.000
Max. : 2400320	Max. : 24.00	Max. : 2.00	Max. : 591.08	Max. : 15.000

weight3	psu	stratum	surveymonth	region
Min. : 45.06	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. : 1.000
1st Qu. : 751.16	1st Qu. : 3073	1st Qu. : 32.0	1st Qu. : 3.000	1st Qu. : 3.000
Median : 1091.00	Median : 9005	Median : 92.0	Median : 6.000	Median : 3.000
Mean : 1171.10	Mean : 10496	Mean : 106.5	Mean : 6.177	Mean : 2.775
3rd Qu. : 1480.53	3rd Qu. : 17024	3rd Qu. : 172.0	3rd Qu. : 9.000	3rd Qu. : 3.000
Max. : 5319.70	Max. : 24003	Max. : 242.0	Max. : 12.000	Max. : 3.000

year	hhid_string	q07_c01	q07_c03
Min. : 2009	Length:6862	Min. : 1.000	Min. : 0
1st Qu. : 2009	Class : character	1st Qu. : 2.000	1st Qu. : 20000
Median : 2009	Mode : character	Median : 10.000	Median : 60000
Mean : 2009		Mean : 7.059	Mean : 588645
3rd Qu. : 2009		3rd Qu. : 11.000	3rd Qu. : 200000
Max. : 2009		Max. : 12.000	Max. : 176000000

q07_c04	q07_c05
Min. : 0	Min. : 1000
1st Qu. : 0	1st Qu. : 30000
Median : 0	Median : 80000
Mean : 182947	Mean : 771458
3rd Qu. : 0	3rd Qu. : 300000
Max. : 72000000	Max. : 176000000
NA's : 5	

28 ##### s08.construction

hhid	province	urbanrural	weight	hhsz
Min. : 100101	Min. : 1.000	Min. : 1.00	Min. : 45.06	Min. : 1.000
1st Qu. : 308411	1st Qu. : 3.000	1st Qu. : 2.00	1st Qu. : 228.39	1st Qu. : 4.000
Median : 804215	Median : 8.000	Median : 2.00	Median : 246.02	Median : 5.000
Mean : 980302	Mean : 9.775	Mean : 1.82	Mean : 246.19	Mean : 4.828
3rd Qu. : 1500206	3rd Qu. : 15.000	3rd Qu. : 2.00	3rd Qu. : 265.10	3rd Qu. : 6.000
Max. : 2400320	Max. : 24.000	Max. : 2.00	Max. : 591.08	Max. : 15.000

weight3	psu	stratum	surveymonth	region
Min. : 45.06	Min. : 1001	Min. : 11.00	Min. : 1.000	Min. : 1.000
1st Qu. : 798.26	1st Qu. : 3084	1st Qu. : 32.00	1st Qu. : 3.250	1st Qu. : 3.000
Median : 1132.66	Median : 8042	Median : 82.00	Median : 6.000	Median : 3.000
Mean : 1189.99	Mean : 9803	Mean : 99.57	Mean : 6.493	Mean : 2.733

3rd Qu. :1486.66 3rd Qu. :15002 3rd Qu. :151.00 3rd Qu. : 9.000 3rd Qu. :3.000
 Max. :5319.70 Max. :24003 Max. :242.00 Max. :12.000 Max. :3.000

year	hhid_string	q08_c01	q08_c02a	q08_c02b
Min. :2009	Length:11322	Min. :1.000	Min. :1.000	Min. :1.000
1st Qu.:2009	Class :character	1st Qu.:1.000	1st Qu.:1.000	1st Qu.:3.000
Median :2009	Mode :character	Median :1.000	Median :1.000	Median :3.000
Mean :2009		Mean :1.009	Mean :1.025	Mean :2.988
3rd Qu.:2009		3rd Qu.:1.000	3rd Qu.:1.000	3rd Qu.:3.000
Max. :2009		Max. :4.000	Max. :4.000	Max. :4.000
			NA's :34	NA's :11074

q08_c02c	q08_c03	q08_c04	q08_c05
Min. :2.000	Min. : 6.00	Min. :1940	Min. :3.000e+04
1st Qu.:2.250	1st Qu.: 24.00	1st Qu.:1993	1st Qu.:4.000e+06
Median :3.500	Median : 40.00	Median :2000	Median :1.000e+07
Mean :3.167	Mean : 44.07	Mean :1997	Mean :4.155e+07
3rd Qu.:4.000	3rd Qu.: 56.00	3rd Qu.:2005	3rd Qu.:2.500e+07
Max. :4.000	Max. :684.00	Max. :2009	Max. :1.600e+10
NA's :11316	NA's :4		NA's :1

q08_c06	q08_c07	q08_c08	q08_c09
Min. : 2000	Min. :1.000	Min. : 2000	Min. :1.000
1st Qu.: 40000	1st Qu.:2.000	1st Qu.: 240000	1st Qu.:2.000
Median : 70000	Median :2.000	Median : 480000	Median :2.000
Mean : 155252	Mean :1.992	Mean : 878244	Mean :1.921
3rd Qu.: 120000	3rd Qu.:2.000	3rd Qu.: 965250	3rd Qu.:2.000
Max. :20000000	Max. :2.000	Max. :8000000	Max. :2.000
NA's :1		NA's :11232	NA's :13

q08_c10	q08_c11a	q08_c11b	q08_c12a	q08_c12b
Min. :1.000	Min. : 1.000	Min. :2000	Min. : 1.000	Min. :2000
1st Qu.:2.000	1st Qu.: 2.500	1st Qu.:2008	1st Qu.: 3.000	1st Qu.:2008
Median :3.000	Median : 4.000	Median :2009	Median : 5.000	Median :2009
Mean :2.414	Mean : 5.308	Mean :2008	Mean : 5.533	Mean :2008
3rd Qu.:3.000	3rd Qu.: 8.000	3rd Qu.:2009	3rd Qu.: 8.000	3rd Qu.:2009
Max. :3.000	Max. :12.000	Max. :2009	Max. :12.000	Max. :2009
NA's :10446	NA's :11127	NA's :11127	NA's :11142	NA's :11142

q08_c13	q08_c14	q08_c15	q08_c16
Min. :1.000	Min. : 0	Min. : 0	Min. : 0
1st Qu.:2.000	1st Qu.: 0	1st Qu.: 35000	1st Qu.: 30000
Median :3.000	Median : 0	Median : 200000	Median : 270000
Mean :2.839	Mean : 666462	Mean : 2651592	Mean : 2980760
3rd Qu.:4.000	3rd Qu.: 245000	3rd Qu.: 1400000	3rd Qu.: 1610000
Max. :5.000	Max. :69700000	Max. :98000000	Max. :96000000
NA's :11105	NA's :10499	NA's :10515	NA's :10502

q08_c17	q08_c18	q08_c19
Min. : 0	Min. : 0	Min. : 0
1st Qu.: 0	1st Qu.: 0	1st Qu.: 0
Median : 0	Median : 0	Median : 0
Mean : 39051	Mean : 23203	Mean : 777859
3rd Qu.: 30000	3rd Qu.: 0	3rd Qu.: 50000
Max. :2000000	Max. :1500000	Max. :40000000
NA's :10452	NA's :10458	NA's :10713

29 #### s09.durables

hhid	province	urbanrural	weight
Min. : 100101	Min. : 1.000	Min. :1.000	Min. : 45.06

1st Qu. : 401106	1st Qu. : 4.000	1st Qu. :1.000	1st Qu. :226.29
Median : 806205	Median : 8.000	Median :2.000	Median :245.05
Mean : 991414	Mean : 9.885	Mean :1.715	Mean :243.56
3rd Qu. :1403702	3rd Qu. :14.000	3rd Qu. :2.000	3rd Qu. :264.81
Max. :2400320	Max. :24.000	Max. :2.000	Max. :591.08

hsize	weight3	psu	stratum	surveymonth
Min. : 1.000	Min. : 45.06	Min. : 1001	Min. : 11.0	Min. : 1.00
1st Qu. : 4.000	1st Qu. : 834.86	1st Qu. : 4011	1st Qu. : 42.0	1st Qu. : 4.00
Median : 5.000	Median :1162.19	Median : 8062	Median : 82.0	Median : 7.00
Mean : 5.013	Mean :1224.20	Mean : 9914	Mean :100.6	Mean : 6.57
3rd Qu. : 6.000	3rd Qu. :1529.96	3rd Qu. :14037	3rd Qu. :142.0	3rd Qu. :10.00
Max. :15.000	Max. :5319.70	Max. :24003	Max. :242.0	Max. :12.00

region	year	hhid_string	q09_c03	q09_c04
Min. :1.000	Min. :2009	Length:93366	Min. :801.0	Min. : 0.00
1st Qu. :2.000	1st Qu. :2009	Class :character	1st Qu. :804.0	1st Qu. : 1.00
Median :3.000	Median :2009	Mode :character	Median :818.0	Median : 1.00
Mean :2.556	Mean :2009		Mean :834.1	Mean : 1.711
3rd Qu. :3.000	3rd Qu. :2009		3rd Qu. :841.0	3rd Qu. : 2.00
Max. :3.000	Max. :2009		Max. :894.0	Max. :57.000

q09_c05a	q09_c05b	q09_c05c	q09_c05d	q09_c06a
Min. :1.000	Min. :1.00	Min. :1.00	Min. :1.00	Min. : 1.00
1st Qu. :1.000	1st Qu. :1.00	1st Qu. :1.00	1st Qu. :1.00	1st Qu. : 1.00
Median :1.000	Median :1.00	Median :1.00	Median :1.00	Median : 1.00
Mean :1.058	Mean :1.04	Mean :1.02	Mean :1.02	Mean : 1.26
3rd Qu. :1.000	3rd Qu. :1.00	3rd Qu. :1.00	3rd Qu. :1.00	3rd Qu. : 1.00
Max. :4.000	Max. :4.00	Max. :4.00	Max. :4.00	Max. :16.00
NA's :165	NA's :66319	NA's :78246	NA's :84239	NA's :76113

q09_c06b	q09_c07	q09_c08
Min. : 1.000	Min. : 600	Min. : 100
1st Qu. : 1.000	1st Qu. : 30000	1st Qu. : 25000
Median : 1.000	Median : 100000	Median : 60000
Mean : 1.672	Mean : 839907	Mean : 564490
3rd Qu. : 2.000	3rd Qu. : 260000	3rd Qu. : 200000
Max. :57.000	Max. :880000000	Max. :450000000
NA's :10819	NA's :76112	NA's :10818

30 ##### s10.healthmother

hhid	persid	province	urbanrural
Min. : 100101	Min. : 10010102	Min. : 1.000	Min. :1.000
1st Qu. : 307908	1st Qu. : 30790752	1st Qu. : 3.000	1st Qu. :2.000
Median : 804420	Median : 80442002	Median : 8.000	Median :2.000
Mean : 975137	Mean : 97513701	Mean : 9.724	Mean :1.827
3rd Qu. :1500256	3rd Qu. :150025602	3rd Qu. :15.000	3rd Qu. :2.000
Max. :2400318	Max. :240031802	Max. :24.000	Max. :2.000
		NA's :1	NA's :1

weight	hsize	weight3	psu	stratum
Min. : 45.68	Min. : 2.000	Min. : 137.0	Min. : 1001	Min. : 11.00
1st Qu. :228.39	1st Qu. : 4.000	1st Qu. : 939.3	1st Qu. : 3079	1st Qu. : 32.00
Median :245.95	Median : 5.000	Median :1224.7	Median : 8044	Median : 82.00
Mean :247.88	Mean : 5.403	Mean :1340.4	Mean : 9753	Mean : 99.07
3rd Qu. :266.32	3rd Qu. : 6.000	3rd Qu. :1631.6	3rd Qu. :15003	3rd Qu. :151.75
Max. :591.08	Max. :15.000	Max. :5319.7	Max. :24003	Max. :242.00

NA's :1	NA's :1	NA's :1	NA's :1	NA's :1
surveymonth	region	year	persid_string	
Min. : 1.000	Min. :1.000	Min. :2009	Length:4447	
1st Qu. : 3.000	1st Qu. :3.000	1st Qu. :2009	Class :character	
Median : 6.000	Median :3.000	Median :2009	Mode :character	
Mean : 6.408	Mean :2.744	Mean :2009		
3rd Qu. : 9.000	3rd Qu. :3.000	3rd Qu. :2009		
Max. :12.000	Max. :3.000	Max. :2009		
NA's :1	NA's :1	NA's :1		
hhid_string	q10_c01	q10_c02	q10_c03	
Length:4447	Min. :1.000	Min. : 1.000	Min. : 2.000	
Class :character	1st Qu. :1.000	1st Qu. : 2.000	1st Qu. : 4.000	
Mode :character	Median :1.000	Median : 2.000	Median : 5.000	
	Mean :1.024	Mean : 2.324	Mean : 5.098	
	3rd Qu. :1.000	3rd Qu. : 2.000	3rd Qu. : 6.000	
	Max. :4.000	Max. :14.000	Max. :15.000	
		NA's :4		
q10_c04	q10_c05	q10_c06	q10_c07	q10_c08
Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000
1st Qu. :2.000	1st Qu. :2.000	1st Qu. :1.000	1st Qu. :1.000	1st Qu. :1.000
Median :2.000	Median :2.000	Median :1.000	Median :2.000	Median :1.000
Mean :1.821	Mean :1.976	Mean :1.159	Mean :1.706	Mean :1.184
3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :1.000	3rd Qu. :2.000	3rd Qu. :1.000
Max. :8.000	Max. :2.000	Max. :8.000	Max. :8.000	Max. :8.000
	NA's :843			
q10_c09	q10_c10	q10_c11	q10_c12	q10_c13
Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000
1st Qu. :1.000	1st Qu. :1.000	1st Qu. :2.000	1st Qu. :1.000	1st Qu. :1.000
Median :2.000	Median :1.000	Median :3.000	Median :1.000	Median :2.000
Mean :1.662	Mean :1.163	Mean :3.108	Mean :1.477	Mean :2.347
3rd Qu. :2.000	3rd Qu. :1.000	3rd Qu. :4.000	3rd Qu. :2.000	3rd Qu. :3.000
Max. :8.000	Max. :8.000	Max. :8.000	Max. :8.000	Max. :5.000
NA's :783		NA's :667	NA's :2337	NA's :3210
q10_c14	q10_c15a	q10_c15b	q10_c15c	q10_c15d
Min. : 1.000	Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.0
1st Qu. : 1.000	1st Qu. :2.000	1st Qu. :3.000	1st Qu. :3.000	1st Qu. :5.0
Median : 2.000	Median :3.000	Median :5.000	Median :4.000	Median :5.0
Mean : 3.811	Mean :2.833	Mean :3.999	Mean :3.882	Mean :4.5
3rd Qu. : 7.000	3rd Qu. :4.000	3rd Qu. :5.000	3rd Qu. :5.000	3rd Qu. :5.0
Max. :14.000	Max. :7.000	Max. :7.000	Max. :6.000	Max. :5.0
NA's :2		NA's :2408	NA's :4126	NA's :4423
q10_c16	q10_c17			
Min. :1.00	Min. :1.000			
1st Qu. :1.00	1st Qu. :1.000			
Median :1.00	Median :1.000			
Mean :1.47	Mean :1.521			
3rd Qu. :2.00	3rd Qu. :2.000			
Max. :8.00	Max. :8.000			

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## 31 #### s11.health2years #####
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hhid	persid	province	urbanrural
Min. : 100101	Min. : 10010105	Min. : 1.000	Min. :1.000
1st Qu. : 307907	1st Qu. : 30790556	1st Qu. : 3.000	1st Qu. :2.000
Median : 804007	Median : 80392003	Median : 8.000	Median :2.000

Mean : 968604	Mean : 96798229	Mean : 9.649	Mean : 1.829	
3rd Qu.:1405214	3rd Qu.:140516704	3rd Qu.:14.000	3rd Qu.:2.000	
Max. :2400318	Max. :240031803	Max. :24.000	Max. :2.000	
	NA's :2	NA's :3	NA's :3	
weight	hhsz	weight3	psu	
Min. : 45.68	Min. : 2.000	Min. : 137.0	Min. : 1001	
1st Qu.:229.24	1st Qu.: 4.000	1st Qu.: 949.9	1st Qu.: 3079	
Median :245.49	Median : 5.000	Median :1236.5	Median : 8039	
Mean :248.47	Mean : 5.463	Mean :1357.5	Mean : 9677	
3rd Qu.:266.65	3rd Qu.: 6.000	3rd Qu.:1631.6	3rd Qu.:14051	
Max. :591.08	Max. :15.000	Max. :5319.7	Max. :24003	
NA's :3	NA's :3	NA's :3	NA's :3	
surveymonth	region	year	persid_string	
Min. : 1.000	Min. :1.000	Min. :2009	Length:2357	
1st Qu.: 3.000	1st Qu.:3.000	1st Qu.:2009	Class :character	
Median : 6.000	Median :3.000	Median :2009	Mode :character	
Mean : 6.336	Mean :2.745	Mean :2009		
3rd Qu.: 9.000	3rd Qu.:3.000	3rd Qu.:2009		
Max. :12.000	Max. :3.000	Max. :2009		
NA's :3	NA's :3	NA's :3		
hhid_string	q11_c01	q11_c02	q11_c03	
Length:2357	Min. :1.000	Min. : 1.000	Min. : 2.000	
Class :character	1st Qu.:1.000	1st Qu.: 2.000	1st Qu.: 4.000	
Mode :character	Median :1.000	Median : 2.000	Median : 5.000	
	Mean :1.029	Mean : 2.441	Mean : 5.148	
	3rd Qu.:1.000	3rd Qu.: 2.000	3rd Qu.: 6.000	
	Max. :4.000	Max. :14.000	Max. :15.000	
		NA's :34	NA's :2	
q11_c04	q11_c05	q11_c06a	q11_c06b	q11_c07
Min. :1.000	Min. :1.000	Min. : 0.000	Min. :1.000	Min. :1.000
1st Qu.:1.000	1st Qu.:1.000	1st Qu.: 0.000	1st Qu.:1.000	1st Qu.:1.000
Median :1.000	Median :1.000	Median : 1.000	Median :1.000	Median :1.000
Mean :1.015	Mean :1.021	Mean : 2.122	Mean :1.419	Mean :1.169
3rd Qu.:1.000	3rd Qu.:1.000	3rd Qu.: 3.000	3rd Qu.:2.000	3rd Qu.:1.000
Max. :2.000	Max. :2.000	Max. :23.000	Max. :5.000	Max. :2.000
NA's :3	NA's :36	NA's :344	NA's :1662	NA's :84
q11_c08a	q11_c08b	q11_c09	q11_c10	q11_c11
Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000
1st Qu.:1.000	1st Qu.:1.000	1st Qu.:1.000	1st Qu.:1.000	1st Qu.:1.000
Median :2.000	Median :1.000	Median :1.000	Median :2.000	Median :1.000
Mean :1.729	Mean :1.345	Mean :1.085	Mean :2.057	Mean :1.119
3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:1.000	3rd Qu.:2.000	3rd Qu.:1.000
Max. :2.000	Max. :8.000	Max. :8.000	Max. :5.000	Max. :2.000
NA's :84	NA's :85		NA's :165	NA's :166
q11_c12a	q11_c12b	q11_c12c	q11_c13a	q11_c13b
Min. :1.000	Min. : 1.000	Min. :2007	Min. :1.000	Min. : 1.00
1st Qu.:1.000	1st Qu.: 3.000	1st Qu.:2008	1st Qu.:1.000	1st Qu.: 8.00
Median :1.000	Median : 6.000	Median :2008	Median :1.000	Median :14.00
Mean :1.023	Mean : 6.345	Mean :2008	Mean :1.272	Mean :14.79
3rd Qu.:1.000	3rd Qu.:10.000	3rd Qu.:2009	3rd Qu.:2.000	3rd Qu.:22.00
Max. :2.000	Max. :12.000	Max. :2009	Max. :2.000	Max. :30.00
NA's :426	NA's :485	NA's :485	NA's :426	NA's :970
q11_c13c	q11_c13d	q11_c14a	q11_c14b	q11_c14c
Min. : 1.000	Min. :2007	Min. :0.000	Min. : 1.000	Min. :2007
1st Qu.: 3.000	1st Qu.:2008	1st Qu.:1.000	1st Qu.: 3.000	1st Qu.:2008
Median : 6.000	Median :2008	Median :3.000	Median : 6.000	Median :2008

Mean : 6.237	Mean :2008	Mean :2.324	Mean : 6.306	Mean :2008
3rd Qu.: 9.000	3rd Qu.:2009	3rd Qu.:3.000	3rd Qu.: 9.000	3rd Qu.:2009
Max. :12.000	Max. :2009	Max. :4.000	Max. :12.000	Max. :2009
NA's :964	NA's :964	NA's :426	NA's :617	NA's :619
q11_c15a	q11_c15b	q11_c15c		
Min. :1.00	Min. : 1.00	Min. :2007		
1st Qu.:1.00	1st Qu.: 4.00	1st Qu.:2008		
Median :2.00	Median : 7.00	Median :2008		
Mean :1.52	Mean : 6.55	Mean :2008		
3rd Qu.:2.00	3rd Qu.: 9.00	3rd Qu.:2009		
Max. :2.00	Max. :12.00	Max. :2009		
NA's :427	NA's :1453	NA's :1454		

32 ##### s12.health5years

hhid	persid	province	urbanrural	
Min. : 100101	Min. : 10010105	Min. : 1.000	Min. :1.000	
1st Qu.: 307914	1st Qu.: 30791405	1st Qu.: 3.000	1st Qu.:2.000	
Median : 804420	Median : 80442004	Median : 8.000	Median :2.000	
Mean : 977611	Mean : 97761062	Mean : 9.748	Mean :1.831	
3rd Qu.:1500611	3rd Qu.:150061106	3rd Qu.:15.000	3rd Qu.:2.000	
Max. :2400318	Max. :240031803	Max. :24.000	Max. :2.000	
		NA's :2	NA's :2	
weight	hhsiz	weight3	psu	stratum
Min. : 45.68	Min. : 2.000	Min. : 137.0	Min. : 1001	Min. : 11.00
1st Qu.:228.36	1st Qu.: 4.000	1st Qu.: 959.2	1st Qu.: 3079	1st Qu.: 32.00
Median :245.31	Median : 5.000	Median :1245.3	Median : 8044	Median : 82.00
Mean :247.88	Mean : 5.494	Mean :1362.5	Mean : 9776	Mean : 99.31
3rd Qu.:266.14	3rd Qu.: 7.000	3rd Qu.:1640.4	3rd Qu.:15006	3rd Qu.:152.00
Max. :591.08	Max. :15.000	Max. :5319.7	Max. :24003	Max. :242.00
NA's :2	NA's :2	NA's :2	NA's :2	NA's :2
surveymonth	region	year	persid_string	
Min. : 1.000	Min. :1.000	Min. :2009	Length:5617	
1st Qu.: 3.000	1st Qu.:3.000	1st Qu.:2009	Class :character	
Median : 6.000	Median :3.000	Median :2009	Mode :character	
Mean : 6.355	Mean :2.749	Mean :2009		
3rd Qu.: 9.000	3rd Qu.:3.000	3rd Qu.:2009		
Max. :12.000	Max. :3.000	Max. :2009		
NA's :2	NA's :2	NA's :2		
hhid_string	q12_c01	q12_c02	q12_c03	q12_c04
Length:5617	Min. :1.000	Min. : 2.000	Min. :1.00	Min. :1.000
Class :character	1st Qu.:1.000	1st Qu.: 4.000	1st Qu.:1.00	1st Qu.:1.000
Mode :character	Median :1.000	Median : 5.000	Median :1.00	Median :1.000
	Mean :1.216	Mean : 5.001	Mean :1.63	Mean :1.243
	3rd Qu.:1.000	3rd Qu.: 6.000	3rd Qu.:2.00	3rd Qu.:1.000
	Max. :5.000	Max. :15.000	Max. :8.00	Max. :8.000
				NA's :5
q12_c05	q12_c06	q12_c07	q12_c08	q12_c09a
Min. : 0.00	Min. :1.00	Min. :1.000	Min. :1.000	Min. :1.000
1st Qu.: 2.00	1st Qu.:1.00	1st Qu.:1.000	1st Qu.:2.000	1st Qu.:1.000
Median : 5.00	Median :2.00	Median :1.000	Median :2.000	Median :2.000
Mean :36.17	Mean :1.65	Mean :1.055	Mean :1.837	Mean :1.691
3rd Qu.:98.00	3rd Qu.:2.00	3rd Qu.:1.000	3rd Qu.:2.000	3rd Qu.:2.000
Max. :98.00	Max. :8.00	Max. :8.000	Max. :8.000	Max. :8.000
NA's :973				NA's :4678
q12_c09b	q12_c10a	q12_c10b	q12_c11	q12_c12

Min. :1.000	Min. : 1.00	Min. : 1.000	Min. : 36.80	Min. :1.000
1st Qu.:1.000	1st Qu.:16.00	1st Qu.: 3.000	1st Qu.: 69.80	1st Qu.:1.000
Median :1.000	Median :18.00	Median : 6.000	Median : 80.50	Median :1.000
Mean :1.412	Mean :17.64	Mean : 6.352	Mean : 80.01	Mean :1.388
3rd Qu.:2.000	3rd Qu.:19.00	3rd Qu.: 9.000	3rd Qu.: 91.20	3rd Qu.:2.000
Max. :8.000	Max. :30.00	Max. :12.000	Max. :132.20	Max. :2.000
NA's :4678	NA's :17	NA's :20	NA's :8	NA's :19

q12_c13

Min. : 2.40
 1st Qu.: 8.40
 Median :10.50
 Mean :10.56
 3rd Qu.:12.60
 Max. :33.90
 NA's :8

33 #### s13b.healthexpenses

hhid	persid	province	urbanrural
Min. : 100101	Min. : 10010101	Min. : 1.000	Min. :1.000
1st Qu.: 308309	1st Qu.: 30830926	1st Qu.: 3.000	1st Qu.:2.000
Median : 804403	Median : 80440253	Median : 8.000	Median :2.000
Mean : 973360	Mean : 97336032	Mean : 9.706	Mean :1.796
3rd Qu.:1404908	3rd Qu.:140490803	3rd Qu.:14.000	3rd Qu.:2.000
Max. :2400320	Max. :240032005	Max. :24.000	Max. :2.000

weight	hhsize	weight3	psu
Min. : 45.06	Min. : 1.000	Min. : 45.06	Min. : 1001
1st Qu.:228.20	1st Qu.: 4.000	1st Qu.: 965.00	1st Qu.: 3083
Median :246.02	Median : 5.000	Median :1299.40	Median : 8044
Mean :245.94	Mean : 5.557	Mean :1369.09	Mean : 9734
3rd Qu.:265.13	3rd Qu.: 7.000	3rd Qu.:1692.57	3rd Qu.:14049
Max. :591.08	Max. :15.000	Max. :5319.70	Max. :24003

stratum	surveymonth	region	year	persid_string
Min. : 11.00	Min. : 1.00	Min. :1.000	Min. :2009	Length:57082
1st Qu.: 32.00	1st Qu.: 3.00	1st Qu.:3.000	1st Qu.:2009	Class :character
Median : 82.00	Median : 6.00	Median :3.000	Median :2009	Mode :character
Mean : 98.85	Mean : 6.47	Mean :2.694	Mean :2009	
3rd Qu.:142.00	3rd Qu.: 9.00	3rd Qu.:3.000	3rd Qu.:2009	
Max. :242.00	Max. :12.00	Max. :3.000	Max. :2009	

hhid_string	q13bc01	q13bc02	q13bc03	q13bc04
Length:57082	Min. : 1.000	Min. :1.000	Min. :1.0	Min. :1.00
Class :character	1st Qu.: 2.000	1st Qu.:2.000	1st Qu.:2.0	1st Qu.:2.00
Mode :character	Median : 3.000	Median :2.000	Median :2.0	Median :2.00
	Mean : 3.279	Mean :1.854	Mean :1.8	Mean :2.05
	3rd Qu.: 4.000	3rd Qu.:2.000	3rd Qu.:2.0	3rd Qu.:2.00
	Max. :15.000	Max. :2.000	Max. :2.0	Max. :3.00
			NA's :48738	NA's :48738

q13bc05	q13bc06	q13bc07	q13bc08	q13bc09a
Min. : 1.0	Min. :1.00	Min. :0.0000	Min. : 0.0000	Min. : 1.00
1st Qu.: 4.0	1st Qu.:1.00	1st Qu.:0.0000	1st Qu.: 0.0000	1st Qu.: 9.00
Median :10.0	Median :1.00	Median :0.0000	Median : 0.0000	Median :10.00
Mean :13.3	Mean :1.07	Mean :0.1297	Mean : 0.2908	Mean :10.08
3rd Qu.:25.0	3rd Qu.:1.00	3rd Qu.:0.0000	3rd Qu.: 0.0000	3rd Qu.:14.00

Max. :30.0	Max. :2.00	Max. :5.0000	Max. :30.0000	Max. :98.00
NA's :56051	NA's :56051			NA's :48751
q13bc09b	q13bc10	q13bc11		
Min. : 1.00	Min. : 0	Min. : 0		
1st Qu.: 9.00	1st Qu.: 0	1st Qu.: 4500		
Median :10.00	Median : 0	Median : 13000		
Mean :11.39	Mean : 7490	Mean : 64905		
3rd Qu.:14.00	3rd Qu.: 3625	3rd Qu.: 50000		
Max. :98.00	Max. :2000000	Max. :4800000		
NA's :52878	NA's :48794	NA's :48763		

34 ##### s14.disability

hhid	persid	province	urbanrural
Min. : 100101	Min. : 10010101	Min. : 1.000	Min. :1.000
1st Qu.: 308309	1st Qu.: 30830926	1st Qu.: 3.000	1st Qu.:2.000
Median : 804403	Median : 80440253	Median : 8.000	Median :2.000
Mean : 973360	Mean : 97336032	Mean : 9.706	Mean :1.796
3rd Qu.:1404908	3rd Qu.:140490803	3rd Qu.:14.000	3rd Qu.:2.000
Max. :2400320	Max. :240032005	Max. :24.000	Max. :2.000

weight	hhsz	weight3	psu
Min. : 45.06	Min. : 1.000	Min. : 45.06	Min. : 1001
1st Qu.:228.20	1st Qu.: 4.000	1st Qu.: 965.00	1st Qu.: 3083
Median :246.02	Median : 5.000	Median :1299.40	Median : 8044
Mean :245.94	Mean : 5.557	Mean :1369.09	Mean : 9734
3rd Qu.:265.13	3rd Qu.: 7.000	3rd Qu.:1692.57	3rd Qu.:14049
Max. :591.08	Max. :15.000	Max. :5319.70	Max. :24003

stratum	surveymonth	region	year	persid_string
Min. : 11.00	Min. : 1.00	Min. :1.000	Min. :2009	Length:57082
1st Qu.: 32.00	1st Qu.: 3.00	1st Qu.:3.000	1st Qu.:2009	Class :character
Median : 82.00	Median : 6.00	Median :3.000	Median :2009	Mode :character
Mean : 98.85	Mean : 6.47	Mean :2.694	Mean :2009	
3rd Qu.:142.00	3rd Qu.: 9.00	3rd Qu.:3.000	3rd Qu.:2009	
Max. :242.00	Max. :12.00	Max. :3.000	Max. :2009	

hhid_string	q14_c01	q14_c02a	q14_c02b
Length:57082	Min. : 1.000	Min. :0.0000	Min. :0.00
Class :character	1st Qu.: 2.000	1st Qu.:0.0000	1st Qu.:2.00
Mode :character	Median : 3.000	Median :0.0000	Median :3.00
	Mean : 3.279	Mean :0.1338	Mean :3.25
	3rd Qu.: 4.000	3rd Qu.:0.0000	3rd Qu.:4.00
	Max. :15.000	Max. :9.0000	Max. :9.00
		NA's :56186	

q14_c02c	q14_c03a	q14_c03b	q14_c03c	q14_c04a
Min. :1.00	Min. :1.00	Min. :1.00	Min. :1.00	Min. : 1.00
1st Qu.:4.00	1st Qu.:1.00	1st Qu.:1.00	1st Qu.:1.00	1st Qu.: 4.00
Median :4.00	Median :2.00	Median :2.00	Median :2.00	Median :14.00
Mean :4.66	Mean :1.75	Mean :1.87	Mean :1.96	Mean :12.28
3rd Qu.:6.00	3rd Qu.:2.00	3rd Qu.:2.00	3rd Qu.:3.00	3rd Qu.:18.00
Max. :9.00	Max. :3.00	Max. :3.00	Max. :3.00	Max. :98.00
NA's :56812	NA's :53505	NA's :56183	NA's :56811	NA's :53505
q14_c04b	q14_c04c	q14_c05a	q14_c05b	q14_c05c
Min. : 1.00	Min. : 1.00	Min. :1.00	Min. :1.00	Min. :1.00
1st Qu.: 4.00	1st Qu.: 5.00	1st Qu.:4.00	1st Qu.:4.00	1st Qu.:4.00

Median :15.00	Median :18.00	Median :4.00	Median :5.00	Median :6.00
Mean :12.28	Mean :14.47	Mean :3.83	Mean :4.56	Mean :4.99
3rd Qu.:18.00	3rd Qu.:18.00	3rd Qu.:4.00	3rd Qu.:6.00	3rd Qu.:6.00
Max. :98.00	Max. :98.00	Max. :6.00	Max. :6.00	Max. :6.00
NA's :56180	NA's :56812	NA's :53505	NA's :55793	NA's :56498

35 ##### s15.labor7days

hhid	persid	province	urbanrural
Min. : 100101	Min. : 10010101	Min. : 1.0	Min. :1.000
1st Qu.: 308317	1st Qu.: 30831706	1st Qu.: 3.0	1st Qu.:2.000
Median : 804320	Median : 80432006	Median : 8.0	Median :2.000
Mean : 972808	Mean : 97280786	Mean : 9.7	Mean :1.793
3rd Qu.:1404816	3rd Qu.:140481602	3rd Qu.:14.0	3rd Qu.:2.000
Max. :2400320	Max. :240032005	Max. :24.0	Max. :2.000

weight	hhsiz	weight3	psu
Min. : 45.06	Min. : 1.000	Min. : 45.06	Min. : 1001
1st Qu.:227.99	1st Qu.: 4.000	1st Qu.: 965.22	1st Qu.: 3083
Median :246.02	Median : 5.000	Median :1305.19	Median : 8043
Mean :245.72	Mean : 5.565	Mean :1369.89	Mean : 9728
3rd Qu.:265.05	3rd Qu.: 7.000	3rd Qu.:1700.63	3rd Qu.:14048
Max. :591.08	Max. :15.000	Max. :5319.70	Max. :24003

stratum	surveymonth	region	year	persid_string
Min. : 11.00	Min. : 1.000	Min. :1.000	Min. :2009	Length:51460
1st Qu.: 32.00	1st Qu.: 4.000	1st Qu.:3.000	1st Qu.:2009	Class :character
Median : 82.00	Median : 6.000	Median :3.000	Median :2009	Mode :character
Mean : 98.79	Mean : 6.483	Mean :2.688	Mean :2009	
3rd Qu.:142.00	3rd Qu.: 9.000	3rd Qu.:3.000	3rd Qu.:2009	
Max. :242.00	Max. :12.000	Max. :3.000	Max. :2009	

hhid_string	q15_c01	q15_c02	q15_c03
Length:51460	Min. : 1.000	Min. : 1.000	Min. :1.000
Class :character	1st Qu.: 2.000	1st Qu.: 1.000	1st Qu.:1.000
Mode :character	Median : 3.000	Median : 2.000	Median :1.000
	Mean : 3.091	Mean : 2.296	Mean :1.321
	3rd Qu.: 4.000	3rd Qu.: 3.000	3rd Qu.:2.000
	Max. :15.000	Max. :15.000	Max. :2.000

q15_c04	q15_c05b	q15_c06b	q15_c07	q15_c08
Min. :1.00	Min. : 11.0	Min. : 111	Min. :1.000	Min. :1.000
1st Qu.:2.00	1st Qu.:611.0	1st Qu.: 112	1st Qu.:3.000	1st Qu.:3.000
Median :2.00	Median :631.0	Median : 160	Median :3.000	Median :3.000
Mean :1.98	Mean :661.4	Mean :1925	Mean :3.016	Mean :2.802
3rd Qu.:2.00	3rd Qu.:751.0	3rd Qu.:4390	3rd Qu.:3.000	3rd Qu.:4.000
Max. :2.00	Max. :964.0	Max. :9990	Max. :8.000	Max. :5.000
NA's :34926	NA's :16258	NA's :16258	NA's :16263	NA's :16279

q15_c09	q15_c10	q15_c11	q15_c12b	q15_c13b
Min. : 1.00	Min. : 1.00	Min. :0.000	Min. : 11.0	Min. : 111.0
1st Qu.:21.00	1st Qu.:15.00	1st Qu.:0.000	1st Qu.:631.0	1st Qu.: 141.0
Median :36.00	Median :25.00	Median :0.000	Median :632.0	Median : 220.0
Mean :36.68	Mean :21.41	Mean :0.487	Mean :721.7	Mean : 953.7
3rd Qu.:55.00	3rd Qu.:30.00	3rd Qu.:1.000	3rd Qu.:921.0	3rd Qu.: 310.0
Max. :90.00	Max. :30.00	Max. :4.000	Max. :964.0	Max. :9900.0
NA's :16534	NA's :16534	NA's :16281	NA's :37630	NA's :37630

q15_c14	q15_c15	q15_c16	q15_c17	q15_c18
Min. :1.00	Min. :1.00	Min. : 1.00	Min. : 1.00	Min. : 1.0
1st Qu.:3.00	1st Qu.:3.00	1st Qu.: 7.00	1st Qu.:10.00	1st Qu.: 4.0
Median :3.00	Median :3.00	Median :14.00	Median :16.00	Median : 7.0
Mean :3.02	Mean :3.15	Mean :15.69	Mean :17.92	Mean : 7.8
3rd Qu.:3.00	3rd Qu.:4.00	3rd Qu.:21.00	3rd Qu.:30.00	3rd Qu.:10.0
Max. :8.00	Max. :5.00	Max. :84.00	Max. :30.00	Max. :87.0
NA's :37630	NA's :37630	NA's :37630	NA's :37630	NA's :48576

q15_c19	q15_c20	q15_c21	q15_c22	q15_c23
Min. : 1.0	Min. : 0	Min. :1.000	Min. : 1.00	Min. :1.00
1st Qu.: 28.0	1st Qu.: 120000	1st Qu.:3.000	1st Qu.:42.00	1st Qu.:1.00
Median : 47.0	Median : 240000	Median :3.000	Median :50.00	Median :1.00
Mean : 43.5	Mean : 306928	Mean :2.897	Mean :50.06	Mean :1.13
3rd Qu.: 56.0	3rd Qu.: 350000	3rd Qu.:3.000	3rd Qu.:60.00	3rd Qu.:1.00
Max. :140.0	Max. :33000000	Max. :3.000	Max. :90.00	Max. :2.00
NA's :16482	NA's :41752	NA's :16261	NA's :48409	NA's :48987

q15_c24	q15_c25a	q15_c25b	q15_c26	q15_c27a
Min. :1.00	Min. : 1.00	Min. :2004	Min. :1.00	Min. :1.0
1st Qu.:2.00	1st Qu.: 2.00	1st Qu.:2008	1st Qu.:2.00	1st Qu.:2.0
Median :2.00	Median : 4.00	Median :2009	Median :2.00	Median :3.0
Mean :2.01	Mean : 4.55	Mean :2008	Mean :1.99	Mean :2.6
3rd Qu.:2.00	3rd Qu.: 7.00	3rd Qu.:2009	3rd Qu.:2.00	3rd Qu.:3.0
Max. :3.00	Max. :12.00	Max. :2009	Max. :2.00	Max. :6.0
NA's :48987	NA's :49702	NA's :49830	NA's :35173	NA's :51325

q15_c27b	q15_c27c	q15_c28	q15_c29	q15_c30a
Min. :1	Min. :1.00	Min. :1.00	Min. : 0.00	Min. : 1.00
1st Qu.:2	1st Qu.:3.00	1st Qu.:1.00	1st Qu.:46.00	1st Qu.: 3.00
Median :3	Median :4.00	Median :2.00	Median :48.00	Median : 4.00
Mean :3	Mean :3.47	Mean :1.66	Mean :46.96	Mean : 5.13
3rd Qu.:3	3rd Qu.:4.00	3rd Qu.:2.00	3rd Qu.:56.00	3rd Qu.: 8.00
Max. :5	Max. :5.00	Max. :2.00	Max. :90.00	Max. :12.00
NA's :51407	NA's :51443	NA's :51325	NA's :51325	NA's :51361

q15_c30b	q15_c31
Min. :2004	Min. :1.00
1st Qu.:2008	1st Qu.:7.00
Median :2008	Median :7.00
Mean :2008	Mean :6.82
3rd Qu.:2008	3rd Qu.:7.00
Max. :2009	Max. :9.00
NA's :51384	NA's :35307

36 #### s16.labor12months

hhid	persid	province	urbanrural
Min. : 100101	Min. : 10010101	Min. : 1.0	Min. :1.000
1st Qu.: 308317	1st Qu.: 30831706	1st Qu.: 3.0	1st Qu.:2.000
Median : 804320	Median : 80432006	Median : 8.0	Median :2.000
Mean : 972808	Mean : 97280786	Mean : 9.7	Mean :1.793
3rd Qu.:1404816	3rd Qu.:140481602	3rd Qu.:14.0	3rd Qu.:2.000
Max. :2400320	Max. :240032005	Max. :24.0	Max. :2.000

weight	hhsiz	weight3	psu
Min. : 45.06	Min. : 1.000	Min. : 45.06	Min. : 1001
1st Qu.:227.99	1st Qu.: 4.000	1st Qu.: 965.22	1st Qu.: 3083
Median :246.02	Median : 5.000	Median :1305.19	Median : 8043
Mean :245.72	Mean : 5.565	Mean :1369.89	Mean : 9728

3rd Qu. :265.05	3rd Qu. : 7.000	3rd Qu. :1700.63	3rd Qu. :14048
Max. :591.08	Max. :15.000	Max. :5319.70	Max. :24003

stratum	surveymonth	region	year	persid_string
Min. : 11.00	Min. : 1.000	Min. :1.000	Min. :2009	Length:51460
1st Qu. : 32.00	1st Qu. : 4.000	1st Qu. :3.000	1st Qu. :2009	Class :character
Median : 82.00	Median : 6.000	Median :3.000	Median :2009	Mode :character
Mean : 98.79	Mean : 6.483	Mean :2.688	Mean :2009	
3rd Qu. :142.00	3rd Qu. : 9.000	3rd Qu. :3.000	3rd Qu. :2009	
Max. :242.00	Max. :12.000	Max. :3.000	Max. :2009	

hhid_string	q16_c01	q16_c02	q16_c03
Length:51460	Min. : 1.000	Min. :1.000	Min. : 1.000
Class :character	1st Qu. : 2.000	1st Qu. :1.000	1st Qu. : 6.000
Mode :character	Median : 3.000	Median :1.000	Median : 8.000
	Mean : 3.091	Mean :2.489	Mean : 8.387
	3rd Qu. : 4.000	3rd Qu. :5.000	3rd Qu. :12.000
	Max. :15.000	Max. :9.000	Max. :12.000

NA's :18528

q16_c04b	q16_c05	q16_c06b	q16_c07
Length:51460	Min. :1.0	Length:51460	Min. :1.000
Class :character	1st Qu. :3.0	Class :character	1st Qu. :3.000
Mode :character	Median :3.0	Mode :character	Median :3.000
	Mean :2.8		Mean :3.004
	3rd Qu. :3.0		3rd Qu. :3.000
	Max. :5.0		Max. :8.000
	NA's :18528		NA's :18528

q16_c08	q16_c09
Min. : 1.000	Min. :1.000
1st Qu. : 1.000	1st Qu. :2.000
Median : 2.000	Median :2.000
Mean : 2.817	Mean :2.027
3rd Qu. : 4.000	3rd Qu. :2.000
Max. :11.000	Max. :4.000
NA's :39	NA's :5546

37 ##### s17b.theft

hhid	persid	province	urbanrural
Min. : 100204	Min. : 10020403	Min. : 1.000	Min. :1.000
1st Qu. : 500812	1st Qu. : 50081151	1st Qu. : 5.000	1st Qu. :2.000
Median : 804608	Median : 80460800	Median : 8.000	Median :2.000
Mean : 986874	Mean : 98687391	Mean : 9.841	Mean :1.799
3rd Qu. :1402419	3rd Qu. :140241927	3rd Qu. :14.000	3rd Qu. :2.000
Max. :2400317	Max. :240031798	Max. :24.000	Max. :2.000

weight	hhsize	weight3	psu	stratum
Min. : 65.69	Min. : 1.000	Min. : 117.6	Min. : 1002	Min. : 11.0
1st Qu. :227.99	1st Qu. : 4.000	1st Qu. : 844.4	1st Qu. : 5008	1st Qu. : 52.0
Median :244.33	Median : 5.000	Median :1186.9	Median : 8046	Median : 82.0
Mean :244.59	Mean : 5.085	Mean :1233.9	Mean : 9869	Mean :100.2
3rd Qu. :259.73	3rd Qu. : 6.000	3rd Qu. :1523.1	3rd Qu. :14024	3rd Qu. :142.0
Max. :585.07	Max. :13.000	Max. :3302.2	Max. :24003	Max. :242.0

surveymonth	region	year	persid_string
Min. : 1.000	Min. :1.00	Min. :2009	Length:328

1st Qu. : 3.000	1st Qu. :3.00	1st Qu. :2009	Class :character
Median : 6.000	Median :3.00	Median :2009	Mode :character
Mean : 6.186	Mean :2.72	Mean :2009	
3rd Qu. : 9.000	3rd Qu. :3.00	3rd Qu. :2009	
Max. :12.000	Max. :3.00	Max. :2009	

hhid_string	q17bc01	q17bc02	q17bc03	q17bc04
Length:328	Min. :1.00	Min. : 1.00	Min. : 1.000	Min. :1.00
Class :character	1st Qu.:1.00	1st Qu.: 1.00	1st Qu.: 3.000	1st Qu.:1.00
Mode :character	Median :1.00	Median : 1.00	Median : 6.000	Median :1.00
	Mean :1.07	Mean :23.67	Mean : 6.113	Mean :1.39
	3rd Qu.:1.00	3rd Qu.: 5.25	3rd Qu.: 9.000	3rd Qu.:2.00
	Max. :3.00	Max. :98.00	Max. :12.000	Max. :3.00

q17bc05	q17bc06	q17bc07	q17bc08
Min. :1.000	Min. :1.000	Min. :1.000	Min. : 0
1st Qu.:1.000	1st Qu.:1.000	1st Qu.:2.000	1st Qu.: 50000
Median :2.000	Median :1.000	Median :2.000	Median : 120000
Mean :1.716	Mean :1.495	Mean :1.985	Mean : 1093824
3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.: 400000
Max. :2.000	Max. :3.000	Max. :2.000	Max. :80000000
	NA's :235		NA's :1

38 ##### s17c.accidents

hhid	persid	province	urbanrural	
Min. : 100103	Min. : 10010301	Min. : 1.00	Min. :1.000	
1st Qu.: 308308	1st Qu.: 30830805	1st Qu.: 3.00	1st Qu.:2.000	
Median : 805963	Median : 80596302	Median : 8.00	Median :2.000	
Mean :1037164	Mean :103716418	Mean :10.34	Mean :1.804	
3rd Qu.:1650558	3rd Qu.:165055752	3rd Qu.:16.50	3rd Qu.:2.000	
Max. :2400315	Max. :240031503	Max. :24.00	Max. :2.000	
weight	hhsiz	weight3	psu	stratum
Min. : 76.95	Min. : 1.000	Min. : 223.3	Min. : 1001	Min. : 11.0
1st Qu.:228.04	1st Qu.: 4.000	1st Qu.: 840.4	1st Qu.: 3083	1st Qu.: 32.0
Median :245.88	Median : 5.000	Median :1211.2	Median : 8060	Median : 82.0
Mean :245.36	Mean : 5.187	Mean :1274.0	Mean :10372	Mean :105.2
3rd Qu.:260.46	3rd Qu.: 6.000	3rd Qu.:1587.2	3rd Qu.:16506	3rd Qu.:166.2
Max. :591.08	Max. :14.000	Max. :5319.7	Max. :24003	Max. :242.0
surveymonth	region	year	persid_string	
Min. : 1.000	Min. :1.00	Min. :2009	Length:654	
1st Qu.: 2.000	1st Qu.:3.00	1st Qu.:2009	Class :character	
Median : 5.000	Median :3.00	Median :2009	Mode :character	
Mean : 5.424	Mean :2.72	Mean :2009		
3rd Qu.: 8.000	3rd Qu.:3.00	3rd Qu.:2009		
Max. :12.000	Max. :3.00	Max. :2009		
hhid_string	q17cc01	q17cc02	q17cc03	q17cc04
Length:654	Min. :1.000	Min. :1.000	Min. :1.000	Min. : 1.000
Class :character	1st Qu.:1.000	1st Qu.:1.000	1st Qu.:2.000	1st Qu.: 3.000
Mode :character	Median :1.000	Median :2.000	Median :3.000	Median : 5.000
	Mean :1.116	Mean :2.633	Mean :2.639	Mean : 5.654
	3rd Qu.:1.000	3rd Qu.:4.000	3rd Qu.:3.000	3rd Qu.: 8.000
	Max. :4.000	Max. :9.000	Max. :6.000	Max. :12.000
q17cc05	q17cc06			
Min. :1.000	Min. :1.000			
1st Qu.:1.000	1st Qu.:1.000			

Median :1.000 Median :2.000
 Mean :1.312 Mean :2.014
 3rd Qu.:2.000 3rd Qu.:3.000
 Max. :2.000 Max. :5.000

39 ##### s17d.violance

hhid	persid	province	urbanrural	weight
Min. : 100101	Min. : 10.00	Min. : NA	Min. : NA	Min. : NA
1st Qu.: 308308	1st Qu.: 30.00	1st Qu.: NA	1st Qu.: NA	1st Qu.: NA
Median : 804402	Median : 80.00	Median : NA	Median : NA	Median : NA
Mean : 973234	Mean : 97.05	Mean : NaN	Mean : NaN	Mean : NaN
3rd Qu.:1404907	3rd Qu.:140.00	3rd Qu.: NA	3rd Qu.: NA	3rd Qu.: NA
Max. :2400320	Max. :240.00	Max. : NA	Max. : NA	Max. : NA
	NA's :57074	NA's :57074	NA's :57074	NA's :57074

hhsz	weight3	psu	stratum	surveymonth
Min. : NA	Min. : NA	Min. : NA	Min. : NA	Min. : NA
1st Qu.: NA	1st Qu.: NA	1st Qu.: NA	1st Qu.: NA	1st Qu.: NA
Median : NA	Median : NA	Median : NA	Median : NA	Median : NA
Mean : NaN	Mean : NaN	Mean : NaN	Mean : NaN	Mean : NaN
3rd Qu.: NA	3rd Qu.: NA	3rd Qu.: NA	3rd Qu.: NA	3rd Qu.: NA
Max. : NA	Max. : NA	Max. : NA	Max. : NA	Max. : NA
NA's :57074	NA's :57074	NA's :57074	NA's :57074	NA's :57074

region	year	persid_string	hhid_string
Min. : NA	Min. : NA	Length:57074	Length:57074
1st Qu.: NA	1st Qu.: NA	Class :character	Class :character
Median : NA	Median : NA	Mode :character	Mode :character
Mean : NaN	Mean : NaN		
3rd Qu.: NA	3rd Qu.: NA		
Max. : NA	Max. : NA		
NA's :57074	NA's :57074		

q17dc01	q17dc02	q17dc03a	q17dc03b	q17dc03c
Min. : 1.000	Min. :1.000	Min. : 1.00	Min. :1.00	Min. :1.00
1st Qu.: 2.000	1st Qu.:2.000	1st Qu.: 1.00	1st Qu.:3.75	1st Qu.:3.00
Median : 3.000	Median :2.000	Median : 4.00	Median :6.50	Median :4.00
Mean : 3.279	Mean :1.994	Mean : 4.56	Mean :5.72	Mean :4.95
3rd Qu.: 4.000	3rd Qu.:2.000	3rd Qu.: 8.00	3rd Qu.:8.00	3rd Qu.:8.00
Max. :15.000	Max. :2.000	Max. :11.00	Max. :9.00	Max. :9.00
		NA's :56752	NA's :56970	NA's :57037

q17dc04	q17dc05	q17dc06	q17dc07	q17dc08
Min. :1.00	Min. :1.00	Min. :1.00	Min. :1.00	Min. :1.00
1st Qu.:1.00	1st Qu.:2.00	1st Qu.:1.00	1st Qu.:2.00	1st Qu.:3.00
Median :2.00	Median :2.00	Median :1.00	Median :2.00	Median :3.00
Mean :2.34	Mean :1.75	Mean :1.35	Mean :1.89	Mean :3.08
3rd Qu.:3.75	3rd Qu.:2.00	3rd Qu.:2.00	3rd Qu.:2.00	3rd Qu.:3.00
Max. :5.00	Max. :2.00	Max. :3.00	Max. :2.00	Max. :5.00
NA's :56752	NA's :56752	NA's :56995	NA's :56995	NA's :56752

q17dc09	q17dc10
Min. :1.00	Min. :1.00
1st Qu.:2.00	1st Qu.:1.00
Median :2.00	Median :1.00
Mean :1.75	Mean :1.44
3rd Qu.:2.00	3rd Qu.:2.00
Max. :2.00	Max. :4.00
NA's :56752	NA's :56752

40 #### s17d.violence

hhid	persid	province	urbanrural
Min. : 100101	Min. : 10010101	Min. : 1.000	Min. : 1.000
1st Qu.: 308308	1st Qu.: 30830828	1st Qu.: 3.000	1st Qu.: 2.000
Median : 804402	Median : 80440202	Median : 8.000	Median : 2.000
Mean : 973234	Mean : 97323359	Mean : 9.704	Mean : 1.796
3rd Qu.: 1404907	3rd Qu.: 140490676	3rd Qu.: 14.000	3rd Qu.: 2.000
Max. : 2400320	Max. : 240032005	Max. : 24.000	Max. : 2.000

weight	hhsiz	weight3	psu
Min. : 45.06	Min. : 1.000	Min. : 45.06	Min. : 1001
1st Qu.: 228.20	1st Qu.: 4.000	1st Qu.: 965.00	1st Qu.: 3083
Median : 246.02	Median : 5.000	Median : 1299.40	Median : 8044
Mean : 245.94	Mean : 5.558	Mean : 1369.16	Mean : 9732
3rd Qu.: 265.13	3rd Qu.: 7.000	3rd Qu.: 1692.57	3rd Qu.: 14049
Max. : 591.08	Max. : 15.000	Max. : 5319.70	Max. : 24003

stratum	surveymonth	region	year	persid_string
Min. : 11.00	Min. : 1.00	Min. : 1.000	Min. : 2009	Length: 57074
1st Qu.: 32.00	1st Qu.: 3.00	1st Qu.: 3.000	1st Qu.: 2009	Class : character
Median : 82.00	Median : 6.00	Median : 3.000	Median : 2009	Mode : character
Mean : 98.84	Mean : 6.47	Mean : 2.694	Mean : 2009	
3rd Qu.: 142.00	3rd Qu.: 9.00	3rd Qu.: 3.000	3rd Qu.: 2009	
Max. : 242.00	Max. : 12.00	Max. : 3.000	Max. : 2009	

hhid_string	q17dc01	q17dc02	q17dc03a	q17dc03b
Length: 57074	Min. : 1.000	Min. : 1.000	Min. : 1.00	Min. : 1.00
Class : character	1st Qu.: 2.000	1st Qu.: 2.000	1st Qu.: 1.00	1st Qu.: 3.75
Mode : character	Median : 3.000	Median : 2.000	Median : 4.00	Median : 6.50
	Mean : 3.279	Mean : 1.994	Mean : 4.56	Mean : 5.72
	3rd Qu.: 4.000	3rd Qu.: 2.000	3rd Qu.: 8.00	3rd Qu.: 8.00
	Max. : 15.000	Max. : 2.000	Max. : 11.00	Max. : 9.00
			NA's : 56752	NA's : 56970

q17dc03c	q17dc04	q17dc05	q17dc06	q17dc07
Min. : 1.00	Min. : 1.00	Min. : 1.00	Min. : 1.00	Min. : 1.00
1st Qu.: 3.00	1st Qu.: 1.00	1st Qu.: 2.00	1st Qu.: 1.00	1st Qu.: 2.00
Median : 4.00	Median : 2.00	Median : 2.00	Median : 1.00	Median : 2.00
Mean : 4.95	Mean : 2.34	Mean : 1.75	Mean : 1.35	Mean : 1.89
3rd Qu.: 8.00	3rd Qu.: 3.75	3rd Qu.: 2.00	3rd Qu.: 2.00	3rd Qu.: 2.00
Max. : 9.00	Max. : 5.00	Max. : 2.00	Max. : 3.00	Max. : 2.00
NA's : 57037	NA's : 56752	NA's : 56752	NA's : 56995	NA's : 56995

q17dc08	q17dc09	q17dc10
Min. : 1.00	Min. : 1.00	Min. : 1.00
1st Qu.: 3.00	1st Qu.: 2.00	1st Qu.: 1.00
Median : 3.00	Median : 2.00	Median : 1.00
Mean : 3.08	Mean : 1.75	Mean : 1.44
3rd Qu.: 3.00	3rd Qu.: 2.00	3rd Qu.: 2.00
Max. : 5.00	Max. : 2.00	Max. : 4.00
NA's : 56752	NA's : 56752	NA's : 56752

41 #### s18.presenseinh

hhid	persid	province	urbanrural
Min. : 100101	Min. : 10010101	Min. : 1.000	Min. : 1.000
1st Qu.: 308308	1st Qu.: 30830828	1st Qu.: 3.000	1st Qu.: 2.000

Median : 804402	Median : 80440202	Median : 8.000	Median :2.000
Mean : 973234	Mean : 97323359	Mean : 9.704	Mean :1.796
3rd Qu.:1404907	3rd Qu.:140490676	3rd Qu.:14.000	3rd Qu.:2.000
Max. :2400320	Max. :240032005	Max. :24.000	Max. :2.000

weight	hhsiz	weight3	psu
Min. : 45.06	Min. : 1.000	Min. : 45.06	Min. : 1001
1st Qu.:228.20	1st Qu.: 4.000	1st Qu.: 965.00	1st Qu.: 3083
Median :246.02	Median : 5.000	Median :1299.40	Median : 8044
Mean :245.94	Mean : 5.558	Mean :1369.16	Mean : 9732
3rd Qu.:265.13	3rd Qu.: 7.000	3rd Qu.:1692.57	3rd Qu.:14049
Max. :591.08	Max. :15.000	Max. :5319.70	Max. :24003

stratum	surveymonth	region	year	persid_string
Min. : 11.00	Min. : 1.00	Min. :1.000	Min. :2009	Length:57074
1st Qu.: 32.00	1st Qu.: 3.00	1st Qu.:3.000	1st Qu.:2009	Class :character
Median : 82.00	Median : 6.00	Median :3.000	Median :2009	Mode :character
Mean : 98.84	Mean : 6.47	Mean :2.694	Mean :2009	
3rd Qu.:142.00	3rd Qu.: 9.00	3rd Qu.:3.000	3rd Qu.:2009	
Max. :242.00	Max. :12.00	Max. :3.000	Max. :2009	

hhid_string	q18_c01	q18_c02a	q18_c02b	q18_c02c
Length:57074	Min. : 1.000	Min. :1.000	Min. :1.00	Min. :1.00
Class :character	1st Qu.: 2.000	1st Qu.:1.000	1st Qu.:1.00	1st Qu.:2.00
Mode :character	Median : 3.000	Median :1.000	Median :2.00	Median :2.00
	Mean : 3.279	Mean :1.044	Mean :2.91	Mean :1.95
	3rd Qu.: 4.000	3rd Qu.:1.000	3rd Qu.:5.00	3rd Qu.:2.00
	Max. :15.000	Max. :2.000	Max. :6.00	Max. :2.00
		NA's :2	NA's :55802	NA's :54582

q18_c02d	q18_c03a	q18_c03b	q18_c03c
Min. : 0	Min. :1.000	Min. :1	Min. :1.00
1st Qu.: 23000	1st Qu.:1.000	1st Qu.:1	1st Qu.:2.00
Median : 35000	Median :1.000	Median :3	Median :2.00
Mean : 53553	Mean :1.046	Mean :3	Mean :1.93
3rd Qu.: 50000	3rd Qu.:1.000	3rd Qu.:5	3rd Qu.:2.00
Max. :10000000	Max. :2.000	Max. :6	Max. :2.00
NA's :54711	NA's :17	NA's :55628	NA's :54429

q18_c03d	q18_c04a	q18_c04b	q18_c04c
Min. : 0	Min. :1.000	Min. :1.0	Min. :1.00
1st Qu.: 20000	1st Qu.:1.000	1st Qu.:2.0	1st Qu.:2.00
Median : 35000	Median :1.000	Median :3.0	Median :2.00
Mean : 48053	Mean :1.046	Mean :3.1	Mean :1.93
3rd Qu.: 49000	3rd Qu.:1.000	3rd Qu.:4.0	3rd Qu.:2.00
Max. :10000000	Max. :2.000	Max. :6.0	Max. :2.00
NA's :54611	NA's :11	NA's :55611	NA's :54446

q18_c04d	q18_c05a	q18_c05b	q18_c05c
Min. : 0	Min. :1.00	Min. :1.00	Min. :1.00
1st Qu.: 20000	1st Qu.:1.00	1st Qu.:1.00	1st Qu.:2.00
Median : 35000	Median :1.00	Median :2.00	Median :2.00
Mean : 58266	Mean :1.04	Mean :2.89	Mean :1.96
3rd Qu.: 50000	3rd Qu.:1.00	3rd Qu.:5.00	3rd Qu.:2.00
Max. :10000000	Max. :2.00	Max. :6.00	Max. :2.00
NA's :54644	NA's :6	NA's :55994	NA's :54818

q18_c05d
Min. : 0
1st Qu.: 25000

Median : 36000
 Mean : 50760
 3rd Qu. : 50000
 Max. : 10000000
 NA's : 54903

42 ##### s99.singlequestions

hhid	province	urbanrural	weight	hhsiz
Min. : 100101	Min. : 1.00	Min. : 1.000	Min. : 45.06	Min. : 1.00
1st Qu. : 308205	1st Qu. : 3.00	1st Qu. : 2.000	1st Qu. : 227.74	1st Qu. : 3.00
Median : 804502	Median : 8.00	Median : 2.000	Median : 245.19	Median : 5.00
Mean : 976828	Mean : 9.74	Mean : 1.801	Mean : 245.48	Mean : 4.77
3rd Qu. : 1405104	3rd Qu. : 14.00	3rd Qu. : 2.000	3rd Qu. : 265.05	3rd Qu. : 6.00
Max. : 2400320	Max. : 24.00	Max. : 2.000	Max. : 591.08	Max. : 15.00

weight3	psu	stratum	surveymonth	region
Min. : 45.06	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. : 1.000
1st Qu. : 782.44	1st Qu. : 3082	1st Qu. : 32.0	1st Qu. : 4.000	1st Qu. : 3.000
Median : 1112.13	Median : 8045	Median : 82.0	Median : 7.000	Median : 3.000
Mean : 1173.19	Mean : 9768	Mean : 99.2	Mean : 6.504	Mean : 2.703
3rd Qu. : 1469.86	3rd Qu. : 14051	3rd Qu. : 142.0	3rd Qu. : 10.000	3rd Qu. : 3.000
Max. : 5319.70	Max. : 24003	Max. : 242.0	Max. : 12.000	Max. : 3.000

year	hhid_string	q01bq1	q03bq1	q05aq1a
Min. : 2009	Length:11971	Min. : 1.000	Min. : 1.000	Min. : 1.000
1st Qu. : 2009	Class : character	1st Qu. : 1.000	1st Qu. : 1.000	1st Qu. : 2.000
Median : 2009	Mode : character	Median : 1.000	Median : 2.000	Median : 2.000
Mean : 2009		Mean : 1.269	Mean : 1.716	Mean : 1.931
3rd Qu. : 2009		3rd Qu. : 2.000	3rd Qu. : 2.000	3rd Qu. : 2.000
Max. : 2009		Max. : 2.000	Max. : 2.000	Max. : 2.000

q05aq1b	q05aq2	q05aq3	q05bq1	q05dq1
Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 1.000
1st Qu. : 1.000	1st Qu. : 1.000	1st Qu. : 1.000	1st Qu. : 1.000	1st Qu. : 1.000
Median : 3.000	Median : 1.000	Median : 2.000	Median : 1.000	Median : 1.000
Mean : 3.007	Mean : 1.289	Mean : 1.935	Mean : 1.084	Mean : 1.255
3rd Qu. : 4.000	3rd Qu. : 2.000	3rd Qu. : 2.000	3rd Qu. : 1.000	3rd Qu. : 2.000
Max. : 7.000	Max. : 2.000	Max. : 9.000	Max. : 2.000	Max. : 2.000
NA's : 11142		NA's : 3461	NA's : 3461	NA's : 4166

q05eq1	q05fq1	q05fq2	q05fq3	q05gq1
Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 1.000
1st Qu. : 1.000	1st Qu. : 2.000	1st Qu. : 1.000	1st Qu. : 1.000	1st Qu. : 1.000
Median : 1.000	Median : 2.000	Median : 1.000	Median : 1.000	Median : 1.000
Mean : 1.295	Mean : 1.978	Mean : 1.181	Mean : 1.451	Mean : 1.287
3rd Qu. : 2.000	3rd Qu. : 2.000	3rd Qu. : 1.000	3rd Qu. : 2.000	3rd Qu. : 2.000
Max. : 2.000	Max. : 2.000	Max. : 2.000	Max. : 2.000	Max. : 2.000

NA's : 11712

q05gq2	q05hq1	q06_q1	q08_q1	q10_q1
Min. : 1.000	Min. : 1.00	Min. : 1.000	Min. : 1.000	Min. : 1.000
1st Qu. : 1.000	1st Qu. : 1.00	1st Qu. : 1.000	1st Qu. : 1.000	1st Qu. : 1.000
Median : 2.000	Median : 2.00	Median : 2.000	Median : 1.000	Median : 2.000
Mean : 1.502	Mean : 1.66	Mean : 1.625	Mean : 1.062	Mean : 1.633
3rd Qu. : 2.000	3rd Qu. : 2.00	3rd Qu. : 2.000	3rd Qu. : 1.000	3rd Qu. : 2.000
Max. : 2.000	Max. : 2.00	Max. : 2.000	Max. : 2.000	Max. : 2.000

NA's : 2

q11_q1	q12_q1	q13aq1	q13aq2a	q13aq2b
Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000
1st Qu.:2.000	1st Qu.:1.000	1st Qu.:2.000	1st Qu.:1.000	1st Qu.:2.000
Median :2.000	Median :2.000	Median :2.000	Median :1.000	Median :2.000
Mean :1.808	Mean :1.624	Mean :1.952	Mean :1.824	Mean :2.791
3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:3.000
Max. :2.000	Max. :2.000	Max. :8.000	Max. :8.000	Max. :8.000
NA's :3	NA's :1		NA's :11392	NA's :11722

q13aq2c	q13aq3	q13aq4	q17aq1	q17aq2
Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000
1st Qu.:3.000	1st Qu.:1.000	1st Qu.:2.000	1st Qu.:1.000	1st Qu.:1.000
Median :4.000	Median :2.000	Median :2.000	Median :1.000	Median :1.000
Mean :3.827	Mean :2.379	Mean :1.997	Mean :1.325	Mean :1.385
3rd Qu.:4.000	3rd Qu.:3.000	3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.000
Max. :8.000	Max. :8.000	Max. :8.000	Max. :2.000	Max. :2.000
NA's :11792	NA's :11391	NA's :577		

q17bq1	q17cq1
Min. :1.000	Min. :1.000
1st Qu.:2.000	1st Qu.:2.000
Median :2.000	Median :2.000
Mean :1.974	Mean :1.951
3rd Qu.:2.000	3rd Qu.:2.000
Max. :2.000	Max. :2.000

43 #### weighthh

hhid	province	urbanrural	weight	hhsiz
Min. : 100101	Min. : 1.00	Min. :1.000	Min. : 45.06	Min. : 1.00
1st Qu.: 308205	1st Qu.: 3.00	1st Qu.:2.000	1st Qu.:227.74	1st Qu.: 3.00
Median : 804502	Median : 8.00	Median :2.000	Median :245.19	Median : 5.00
Mean : 976828	Mean : 9.74	Mean :1.801	Mean :245.48	Mean : 4.77
3rd Qu.:1405104	3rd Qu.:14.00	3rd Qu.:2.000	3rd Qu.:265.05	3rd Qu.: 6.00
Max. :2400320	Max. :24.00	Max. :2.000	Max. :591.08	Max. :15.00

weight3	psu	stratum	surveymonth	region
Min. : 45.06	Min. : 1001	Min. : 11.0	Min. : 1.000	Min. :1.000
1st Qu.: 782.44	1st Qu.: 3082	1st Qu.: 32.0	1st Qu.: 4.000	1st Qu.:3.000
Median :1112.13	Median : 8045	Median : 82.0	Median : 7.000	Median :3.000
Mean :1173.19	Mean : 9768	Mean : 99.2	Mean : 6.504	Mean :2.703
3rd Qu.:1469.86	3rd Qu.:14051	3rd Qu.:142.0	3rd Qu.:10.000	3rd Qu.:3.000
Max. :5319.70	Max. :24003	Max. :242.0	Max. :12.000	Max. :3.000

year
Min. :2009
1st Qu.:2009
Median :2009
Mean :2009
3rd Qu.:2009
Max. :2009

44 #### weightpersons

hhid	persid	province	urbanrural
Min. : 100101	Min. : 10010101	Min. : 1.000	Min. :1.000
1st Qu.: 308307	1st Qu.: 30830704	1st Qu.: 3.000	1st Qu.:2.000
Median : 804402	Median : 80440204	Median : 8.000	Median :2.000
Mean : 973384	Mean : 97338380	Mean : 9.706	Mean :1.796

3rd Qu. :1404910	3rd Qu. :140491001	3rd Qu. :14.000	3rd Qu. :2.000
Max. :2400320	Max. :240032005	Max. :24.000	Max. :2.000
weight	hhsz	weight3	psu
Min. : 45.06	Min. : 1.000	Min. : 45.06	Min. : 1001
1st Qu. :228.20	1st Qu. : 4.000	1st Qu. : 965.00	1st Qu. : 3083
Median :246.02	Median : 5.000	Median :1299.19	Median : 8044
Mean :245.94	Mean : 5.557	Mean :1369.00	Mean : 9734
3rd Qu. :265.13	3rd Qu. : 7.000	3rd Qu. :1691.90	3rd Qu. :14049
Max. :591.08	Max. :15.000	Max. :5319.70	Max. :24003
stratum	surveymonth	region	year
Min. : 11.00	Min. : 1.00	Min. :1.000	Min. :2009
1st Qu. : 32.00	1st Qu. : 3.00	1st Qu. :3.000	1st Qu. :2009
Median : 82.00	Median : 6.00	Median :3.000	Median :2009
Mean : 98.85	Mean : 6.47	Mean :2.694	Mean :2009
3rd Qu. :142.00	3rd Qu. : 9.00	3rd Qu. :3.000	3rd Qu. :2009
Max. :242.00	Max. :12.00	Max. :3.000	Max. :2009

45 ##### IncomeCSES09

hhid	weighthh	weighthhpers	hhsz
Min. : 100101	Min. : 45.06	Min. : 47.88	Min. : 1.00
1st Qu. : 308205	1st Qu. :227.74	1st Qu. : 783.63	1st Qu. : 3.00
Median : 804502	Median :245.19	Median :1104.61	Median : 5.00
Mean : 976828	Mean :245.48	Mean :1166.71	Mean : 4.77
3rd Qu. :1405104	3rd Qu. :265.05	3rd Qu. :1464.39	3rd Qu. : 6.00
Max. :2400320	Max. :591.08	Max. :4890.26	Max. :15.00
salary	diarysalarycash	diarysalaryinkind	costcrop
Min. : 0	Min. : 0	Min. : 0	Min. : 0
1st Qu. : 0	1st Qu. : 0	1st Qu. : 0	1st Qu. : 0
Median : 0	Median : 0	Median : 0	Median : 224000
Mean : 2984208	Mean : 2385452	Mean : 10306	Mean : 637314
3rd Qu. : 3840000	3rd Qu. : 2640000	3rd Qu. : 0	3rd Qu. : 676000
Max. :398400000	Max. :357000000	Max. :72000000	Max. :62917000
costlivestock	costfish	costforestry	receiptcrop
Min. : 0	Min. : 0	Min. : 0	Min. : -1.600e+04
1st Qu. : 0	1st Qu. : 0	1st Qu. : 0	1st Qu. : 0.000e+00
Median : 50000	Median : 5000	Median : 0	Median : 5.910e+05
Mean : 396654	Mean : 110917	Mean : 21291	Mean : 3.795e+06
3rd Qu. : 260500	3rd Qu. : 30000	3rd Qu. : 15000	3rd Qu. : 1.689e+06
Max. :120250000	Max. :64400000	Max. :7500000	Max. : 1.500e+10
receiptlivestock	receiptfish	receiptforestry	agriincome
Min. : 0	Min. : 0	Min. : 0	Min. : -6.039e+07
1st Qu. : 0	1st Qu. : 0	1st Qu. : 25000	1st Qu. : 7.000e+04
Median : 60000	Median : 50000	Median : 321500	Median : 8.100e+05
Mean : 528815	Mean : 355658	Mean : 409487	Mean : 3.917e+06
3rd Qu. : 282000	3rd Qu. : 230000	3rd Qu. : 500000	3rd Qu. : 2.084e+06
Max. :146080000	Max. :95450000	Max. :19260000	Max. : 1.500e+10
costnonagri	receiptnonagri	nonagriincome	incomeownhouse
Min. :0.000e+00	Min. :0.000e+00	Min. : -970930600	Min. : -1587900
1st Qu. :0.000e+00	1st Qu. :0.000e+00	1st Qu. : 0	1st Qu. : 90000
Median :0.000e+00	Median :0.000e+00	Median : 0	Median : 300000
Mean :9.482e+06	Mean :1.344e+07	Mean : 3955622	Mean : 1138299
3rd Qu. :1.536e+06	3rd Qu. :3.200e+06	3rd Qu. : 970000	3rd Qu. : 720000
Max. :9.033e+09	Max. :1.155e+10	Max. :8909620000	Max. :480000000
bankinterest	interestotherloans	dividends	rentfromland
Min. : 0	Min. : 0	Min. : 0	Min. : 0

1st Qu. :	0	1st Qu. :	0	1st Qu. :	0	1st Qu. :	0
Median :	0	Median :	0	Median :	0	Median :	0
Mean :	2559	Mean :	26333	Mean :	2717	Mean :	17044
3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	0
Max. :	8000000	Max. :	24000000	Max. :	24000000	Max. :	34440000
grosspropertyincome		interestpaidagri		interestpaidnonagri		interestpaidownoccupied	
Min. :	0	Min. :	0	Min. :	0	Min. :	0
1st Qu. :	0	1st Qu. :	0	1st Qu. :	0	1st Qu. :	0
Median :	0	Median :	0	Median :	0	Median :	0
Mean :	48653	Mean :	5278	Mean :	2791	Mean :	1060
3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	0
Max. :	35916000	Max. :	2454545	Max. :	2352941	Max. :	955339
interestpaidnet		propertyincome		primaryincome		pensiondomestic	
Min. :	0	Min. :	-3428571	Min. :	-9.709e+08	Min. :	0
1st Qu. :	0	1st Qu. :	0	1st Qu. :	2.002e+06	1st Qu. :	0
Median :	0	Median :	0	Median :	4.568e+06	Median :	0
Mean :	7709	Mean :	40943	Mean :	1.204e+07	Mean :	20922
3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	9.242e+06	3rd Qu. :	0
Max. :	3428571	Max. :	35916000	Max. :	1.500e+10	Max. :	22440000
pensionabroad		pension		ngotransfers		remittanceabroad	
Min. :	0	Min. :	0	Min. :	0	Min. :	0
1st Qu. :	0	1st Qu. :	0	1st Qu. :	0	1st Qu. :	0
Median :	0	Median :	0	Median :	0	Median :	0
Mean :	2638	Mean :	23559	Mean :	5698	Mean :	83078
3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	0
Max. :	8200000	Max. :	22440000	Max. :	9600000	Max. :	82000000
remittanceabroad		totalprivatetransfers		scholarshipgovernment		scholarshipngo	
Min. :	0	Min. :	0	Min. :	0	Min. :	0
1st Qu. :	0	1st Qu. :	0	1st Qu. :	0	1st Qu. :	0
Median :	0	Median :	0	Median :	0	Median :	0
Mean :	90990	Mean :	174068	Mean :	5179	Mean :	4539
3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	0
Max. :	72000000	Max. :	82779000	Max. :	5000000	Max. :	4000000
totalscholarship		gifts		othertransfer		totaltransfers	
Min. :	0	Min. :	0	Min. :	0	Min. :	0
1st Qu. :	0	1st Qu. :	0	1st Qu. :	0	1st Qu. :	0
Median :	0	Median :	0	Median :	0	Median :	0
Mean :	9718	Mean :	28343	Mean :	167624	Mean :	409011
3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	70000
Max. :	5000000	Max. :	20500000	Max. :	176000000	Max. :	176200000
totalincome		wageratio		agriratio		otherselfempratio	
Min. :	-9.709e+08	Min. :	-81.7800	Min. :	-156.7800	Min. :	-50.8300
1st Qu. :	2.114e+06	1st Qu. :	0.0000	1st Qu. :	0.0100	1st Qu. :	0.0400
Median :	4.748e+06	Median :	0.0000	Median :	0.2400	Median :	0.1400
Mean :	1.245e+07	Mean :	0.2722	Mean :	0.3191	Mean :	0.3083
3rd Qu. :	9.598e+06	3rd Qu. :	0.6100	3rd Qu. :	0.7300	3rd Qu. :	0.4800
Max. :	1.500e+10	Max. :	16.0700	Max. :	6.0900	Max. :	157.7800
propertyratio		transfersratio		diarytaxes		diaryinterhhtransfers	
Min. :	-2.3900001	Min. :	-13.64000	Min. :	0	Min. :	0
1st Qu. :	0.0000000	1st Qu. :	0.00000	1st Qu. :	0	1st Qu. :	0
Median :	0.0000000	Median :	0.00000	Median :	0	Median :	0
Mean :	0.0004728	Mean :	0.03739	Mean :	16604	Mean :	29044
3rd Qu. :	0.0000000	3rd Qu. :	0.02000	3rd Qu. :	0	3rd Qu. :	0
Max. :	2.5899999	Max. :	4.32000	Max. :	43368000	Max. :	29520000
diarycashtransferchar		diarytotalnegativetransfers		disposableincome			
Min. :	0	Min. :	0	Min. :	-9.722e+08		

1st Qu. :	0	1st Qu. :	0	1st Qu. :	2.048e+06
Median :	0	Median :	0	Median :	4.635e+06
Mean :	173875	Mean :	219523	Mean :	1.223e+07
3rd Qu. :	36000	3rd Qu. :	60000	3rd Qu. :	9.410e+06
Max. :	438240000	Max. :	438240000	Max. :	1.500e+10
diarycostagri	diaryreceiptagri	diaryagriincome	diarycostnonagri		
Min. :	0.00e+00	Min. :	0.000e+00	Min. :	0.000e+00
1st Qu. :	0.00e+00	1st Qu. :	3.180e+05	1st Qu. :	0.000e+00
Median :	0.00e+00	Median :	1.318e+06	Median :	0.000e+00
Mean :	5.64e+05	Mean :	3.154e+06	Mean :	1.106e+07
3rd Qu. :	6.00e+04	3rd Qu. :	2.653e+06	3rd Qu. :	1.302e+06
Max. :	4.80e+08	Max. :	2.276e+09	Max. :	7.624e+09
diaryreceiptnonagri	diarynonagriincome	diarybankinterest	diaryinterestotherloans		
Min. :	0.000e+00	Min. :	-7.550e+09	Min. :	0
1st Qu. :	0.000e+00	1st Qu. :	0.000e+00	1st Qu. :	0
Median :	0.000e+00	Median :	0.000e+00	Median :	0
Mean :	1.356e+07	Mean :	2.501e+06	Mean :	16991
3rd Qu. :	4.065e+06	3rd Qu. :	1.031e+06	3rd Qu. :	0
Max. :	3.946e+09	Max. :	3.946e+09	Max. :	57600000
diarydividends	diaryotherfinancialaccount	diarygrosspropertyincome			
Min. :	0	Min. :	0	Min. :	0
1st Qu. :	0	1st Qu. :	0	1st Qu. :	0
Median :	0	Median :	0	Median :	0
Mean :	2944	Mean :	178074	Mean :	244236
3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	0
Max. :	18000000	Max. :	490671600	Max. :	490671600
diarypropertyincome	diaryprimaryincome	diarypensiondomestic	diarypensionabroad		
Min. :	0	Min. :	-7.544e+09	Min. :	0
1st Qu. :	0	1st Qu. :	1.760e+06	1st Qu. :	0
Median :	0	Median :	3.839e+06	Median :	0
Mean :	244236	Mean :	7.731e+06	Mean :	5834
3rd Qu. :	0	3rd Qu. :	8.376e+06	3rd Qu. :	0
Max. :	490671600	Max. :	3.951e+09	Max. :	24000000
diarypension	diaryinsurancedomestic	diaryinsuranceabroad	diaryngotransfers		
Min. :	0	Min. :	0	Min. :	0.00
1st Qu. :	0	1st Qu. :	0	1st Qu. :	0.00
Median :	0	Median :	0	Median :	0.00
Mean :	5834	Mean :	0	Mean :	5.01
3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	0.00
Max. :	24000000	Max. :	0	Max. :	60000.00
diaryremittancedomestic	diaryremittanceabroad	diarytotalprivatetransfers			
Min. :	0	Min. :	0	Min. :	0
1st Qu. :	0	1st Qu. :	0	1st Qu. :	0
Median :	0	Median :	0	Median :	0
Mean :	181312	Mean :	39315	Mean :	220627
3rd Qu. :	0	3rd Qu. :	0	3rd Qu. :	0
Max. :	168000000	Max. :	176400000	Max. :	176400000
diaryscholarship	diarygifts	diaryothertransfers	diarytotaltransfers		
Min. :	0	Min. :	0	Min. :	0
1st Qu. :	0	1st Qu. :	0	1st Qu. :	96000
Median :	0	Median :	0	Median :	96000
Mean :	1385	Mean :	66907	Mean :	356188
3rd Qu. :	0	3rd Qu. :	24000	3rd Qu. :	96000
Max. :	6240000	Max. :	24052800	Max. :	300096000
diarytotalincome	diarydisposableincome	psuchar	psu1		
Min. :	-7.544e+09	Min. :	-7.544e+09	Length:	11971

1st Qu. : 2.075e+06	1st Qu. : 1.997e+06	Class :character	Class :character
Median : 4.260e+06	Median : 4.169e+06	Mode :character	Mode :character
Mean : 8.387e+06	Mean : 8.168e+06		
3rd Qu. : 8.965e+06	3rd Qu. : 8.835e+06		
Max. : 3.951e+09	Max. : 3.951e+09		

psu	areaid	dprovince	urbanrural	dregion
Min. : 1001	Min. : 361.0	Min. : 1.00	Min. :1.000	Min. :1.000
1st Qu. : 3082	1st Qu. : 537.0	1st Qu. : 3.00	1st Qu. :2.000	1st Qu. :3.000
Median : 8045	Median : 703.0	Median : 8.00	Median :2.000	Median :3.000
Mean : 9768	Mean : 721.2	Mean : 9.74	Mean :1.801	Mean :2.703
3rd Qu. :14051	3rd Qu. : 914.0	3rd Qu. :14.00	3rd Qu. :2.000	3rd Qu. :3.000
Max. :24003	Max. :1080.0	Max. :24.00	Max. :2.000	Max. :3.000

dzone	blillan	bstoran	agriadj
Min. :0.000	Min. :10.00	Min. : 450.6	Min. : 0
1st Qu. :1.000	1st Qu. :20.00	1st Qu. : 4238.4	1st Qu. : 70000
Median :1.000	Median :20.00	Median : 4793.2	Median : 810000
Mean :1.714	Mean :18.01	Mean : 4468.5	Mean : 1885374
3rd Qu. :2.000	3rd Qu. :20.00	3rd Qu. : 5206.6	3rd Qu. : 2084500
Max. :4.000	Max. :20.00	Max. :11821.6	Max. :220608000

nonagriadj	propertyadj	ownhouseadj	adjdisp
Min. : 0	Min. : 0	Min. : 0	Min. : 0
1st Qu. : 0	1st Qu. : 0	1st Qu. : 90000	1st Qu. : 2099125
Median : 0	Median : 0	Median : 300000	Median : 4660000
Mean : 3049650	Mean : 49274	Mean : 863786	Mean : 8937313
3rd Qu. : 970000	3rd Qu. : 0	3rd Qu. : 720000	3rd Qu. : 9400000
Max. :963360000	Max. :35916000	Max. :12000000	Max. :966197500

adjdispcapita	adjtotaltransfers	adjtotalincome	adjprimaryincome
Min. : 0	Min. : 0	Min. : 0	Min. : 0
1st Qu. : 500261	1st Qu. : 0	1st Qu. : 2171050	1st Qu. : 2087380
Median : 1054900	Median : 0	Median : 4778810	Median : 4645500
Mean : 1926313	Mean : 241387	Mean : 9073679	Mean : 8832293
3rd Qu. : 2049159	3rd Qu. : 50000	3rd Qu. : 9570000	3rd Qu. : 9307750
Max. :164573500	Max. :82779000	Max. :966851500	Max. :966821500

adjdiarytotalnegativetransfers

Min. : -4000

1st Qu. : 0

Median : 0

Mean : 136366

3rd Qu. : 60000

Max. :48252000

List of colnames to identify categorical variables

```
> for(j in 1:45) {
+ cat("##", j, "#### ", Rnames[j], " #####\n")
+ print(colnames(outfiles[[j]]))
+ cat("\n\n")
+ }

## 1 #### 09dy.expenditure #####
[1] "hhid"          "province"      "urbanrural"
[4] "weight"        "hhsiz"         "weight3"
[7] "psu"           "stratum"       "surveymonth"
[10] "region"        "year"          "pkid"
[13] "hhid_string"   "lineid"        "diaryexp_q2"
[16] "diaryexp_q5"   "diaryexp_q6"   "diaryexp_q7"
[19] "diaryexp_q8"   "diaryexp_q9"   "diaryexp_q10"
[22] "diaryexp_q11"  "diaryexp_q2_string"

## 2 #### 09dy.income #####
[1] "hhid"          "province"      "urbanrural"
[4] "weight"        "hhsiz"         "weight3"
[7] "psu"           "stratum"       "surveymonth"
[10] "region"        "year"          "pkid"
[13] "hhid_string"   "lineid"        "diaryinc_q2"
[16] "diaryinc_q5"   "diaryinc_q6"   "diaryinc_q7"
[19] "diaryinc_q8"   "diaryinc_q9"   "diaryinc_q10"
[22] "diaryinc_q2_string" "diaryinc_q10_string"

## 3 #### s01a.hhmembers #####
[1] "hhid"          "persid"        "province"      "urbanrural"   "weight"
[6] "hhsiz"         "weight3"       "psu"           "stratum"       "surveymonth"
[11] "region"        "year"          "persid_string" "hhid_string"   "q01ac01"
[16] "q01ac03"       "q01ac04a"      "q01ac04b"      "q01ac04c"      "q01ac05"
[21] "q01ac06"       "q01ac07"       "q01ac08"       "q01ac09"       "q01ac10"
[26] "q01ac11a"      "q01ac11b"      "q01ac12a"      "q01ac12b"      "q01ac12c"
[31] "q01ac13"       "q01ac14"

## 4 #### s01b.foodconsumption #####
[1] "hhid"          "province"      "urbanrural"   "weight"        "hhsiz"
[6] "weight3"       "psu"           "stratum"       "surveymonth"   "region"
[11] "year"          "hhid_string"   "q01bc01"       "q01bc03"        "q01bc04"
[16] "q01bc05"

## 5 #### s01c.nonfoodexpenses #####
[1] "hhid"          "province"      "urbanrural"   "weight"        "hhsiz"
[6] "weight3"       "psu"           "stratum"       "surveymonth"   "region"
[11] "year"          "hhid_string"   "q01cc01"       "q01cc04"        "q01cc05"
[16] "q01cc06"

## 6 #### s01d.vulnerability #####
[1] "hhid"          "province"      "urbanrural"   "weight"        "hhsiz"
```

```

[6] "weight3"      "psu"          "stratum"      "surveymonth" "region"
[11] "year"         "hhid_string"  "q01dq1"       "q01dq2"       "q01dq3"
[16] "q01dq4_1"     "q01dq4_2"     "q01dq4_3"     "q01dq4_4"     "q01dq4_5"
[21] "q01dq4_6"     "q01dq4_7"     "q01dq4_8"     "q01dq4_9"     "q01dq4_10"
[26] "q01dq4_11"    "q01dq4_12"

```

7 ##### s02.education

```

[1] "hhid"          "persid"       "province"     "urbanrural"   "weight"
[6] "hhsiz"         "weight3"      "psu"          "stratum"      "surveymonth"
[11] "region"        "year"         "persid_string" "hhid_string"  "q02c01"
[16] "q02c02"        "q02c03"       "q02c04"       "q02c05"       "q02c06"
[21] "q02c07"        "q02c08"       "q02c09"       "q02c10"       "q02c11"
[26] "q02c12"        "q02c13"       "q02c14"       "q02c15"       "q02c16a"
[31] "q02c16b"       "q02c16c"      "q02c16d"      "q02c16e"      "q02c16f"
[36] "q02c16g"       "q02c16h"

```

8 ##### s03a.migration.past

```

[1] "hhid"          "persid"       "province"     "urbanrural"   "weight"
[5] "weight"        "hhsiz"        "weight3"      "psu"          "surveymonth"
[9] "stratum"       "surveymonth"  "region"       "year"         "q03ac01"
[13] "persid_string" "hhid_string"  "q03ac04b"     "q03ac04c"     "q03ac05"
[17] "q03ac03"       "q03ac06b"     "q03ac06c"     "q03ac07"     "q03ac08"
[21] "q03ac09a"      "q03ac09b"     "q03ac10"      "q03ac11"
[25] "q03ac12"       "q03ac13"      "q03ac04b_string" "q03ac04c_string"
[29] "q03ac12_string" "q03ac06c_string" "q03ac12_string"
[33] "q03ac06b_string" "q03ac06c_string" "q03ac12_string"

```

9 ##### s03b.migration.current

```

[1] "hhid"          "persid"       "province"     "urbanrural"   "weight"
[6] "hhsiz"         "weight3"      "psu"          "stratum"      "surveymonth"
[11] "region"        "year"         "persid_string" "hhid_string"  "q03bc01"
[16] "q03bc03"       "q03bc04"     "q03bc05b"     "q03bc05c"     "q03bc06"
[21] "q03bc07"       "q03bc08"     "q03bc09"     "q03bc10"     "q03bc11"
[26] "q03bc12"       "q03bc13a"    "q03bc13b"

```

10 ##### s04.housing

```

[1] "hhid"          "province"     "urbanrural"   "weight"        "hhsiz"
[6] "weight3"       "psu"          "stratum"      "surveymonth"  "region"
[11] "year"         "hhid_string"  "q04_01"       "q04_02"       "q04_03"
[16] "q04_04"       "q04_05"       "q04_06"       "q04_07"       "q04_08"
[21] "q04_09"       "q04_10m1"     "q04_10m2"     "q04_10m3"     "q04_11"
[26] "q04_12"       "q04_13"       "q04_14m1"     "q04_14m2"     "q04_14m3"
[31] "q04_15"       "q04_16"       "q04_17"       "q04_18a"      "q04_18b"
[36] "q04_18c"       "q04_18d"      "q04_18e"      "q04_19a"      "q04_19b"
[41] "q04_20"       "q04_21"       "q04_22a"      "q04_22b"      "q04_22c1"
[46] "q04_22c2"     "q04_22c3"     "q04_22d"      "q04_23a"      "q04_23b"
[51] "q04_23c"       "q04_23d"      "q04_23e"      "q04_23f"      "q04_23g"
[56] "q04_24"       "q04_25a"      "q04_25b"      "q04_26"       "phnonpenh"
[61] "otherrural"   "urban"        "publiclight"  "pre_1"        "log_25b"
[66] "pre_2"

```

```
## 11 ##### s04.housingpractice #####
[1] "hhid_string" "q04_01" "q04_02" "q04_03" "q04_04"
[6] "q04_05" "q04_06" "q04_07" "q04_08" "q04_09"
[11] "q04_10m1" "q04_10m2" "q04_10m3" "q04_11" "q04_12"
[16] "q04_13" "q04_14m1" "q04_14m2" "q04_14m3" "q04_15"
[21] "q04_16" "q04_17" "q04_18a" "q04_18b" "q04_18c"
[26] "q04_18d" "q04_18e" "q04_19a" "q04_19b" "q04_20"
[31] "q04_21" "q04_22a" "q04_22b" "q04_22c1" "q04_22c2"
[36] "q04_22c3" "q04_22d" "q04_23a" "q04_23b" "q04_23c"
[41] "q04_23d" "q04_23e" "q04_23f" "q04_23g" "q04_24"
[46] "q04_25a" "q04_25b" "q04_26" "hhid"
```

```
## 12 ##### s05a.landown #####
[1] "hhid" "province" "urbanrural" "weight" "hhsiz"
[6] "weight3" "psu" "stratum" "surveymonth" "region"
[11] "year" "hhid_string" "q05ac01" "q05ac02" "q05ac03"
[16] "q05ac04a" "q05ac04b" "q05ac04c" "q05ac05a" "q05ac05b"
[21] "q05ac05c" "q05ac06a" "q05ac06b" "q05ac06c" "q05ac07"
[26] "q05ac08" "q05ac09" "q05ac10" "q05ac11" "q05ac12"
[31] "q05ac13a" "q05ac13b" "q05ac14" "q05ac15" "q05ac16a"
[36] "q05ac16b" "q05ac16c" "q05ac17" "q05ac18a" "q05ac18b"
[41] "q05ac18c" "q05ac19" "q05ac20" "q05ac21" "q05ac22"
```

```
## 13 ##### s05b.cropsproduction #####
[1] "hhid" "province" "urbanrural" "weight" "hhsiz"
[6] "weight3" "psu" "stratum" "surveymonth" "region"
[11] "year" "hhid_string" "wetdry" "q05bc01" "q05bc02"
[16] "q05bc03b" "q05bc04" "q05bc05" "q05bc06" "q05bc07"
[21] "q05bc08" "q05bc09" "pastyear"
```

```
## 14 ##### s05c.costcrops #####
[1] "hhid" "province" "urbanrural" "weight" "hhsiz"
[6] "weight3" "psu" "stratum" "surveymonth" "region"
[11] "year" "hhid_string" "wetdry" "q05cc01" "q05cc02"
[16] "q05cc03" "q05cc04" "q05cc05" "q05cc06" "q05cc07"
[21] "q05cc08" "q05cc09" "q05cc10" "q05cc11" "q05cc12"
[26] "q05cc13" "q05cc14" "q05cc15" "q05cc16"
```

```
## 15 ##### s05d.cropsinventory #####
[1] "hhid" "province" "urbanrural" "weight" "hhsiz"
[6] "weight3" "psu" "stratum" "surveymonth" "region"
[11] "year" "hhid_string" "q05dc01" "q05dc02b" "q05dc03"
[16] "q05dc04"
```

```
## 16 ##### s05e1.animals #####
[1] "hhid" "province" "urbanrural" "weight" "hhsiz"
[6] "weight3" "psu" "stratum" "surveymonth" "region"
[11] "year" "hhid_string" "q05e1c01" "q05e1c03" "q05e1c04"
[16] "q05e1c05" "q05e1c06" "q05e1c07" "q05e1c08" "q05e1c09"
[21] "q05e1c10" "q05e1c11" "q05e1c12" "q05e1c13" "q05e1c14"
[26] "q05e1c15"
```

```

## 17 ##### s05e2. animalsexpenses #####
[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"      "hhid_string" "q05e2c01"   "q05e2c03"

## 18 ##### s05f1. fisharea #####
[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"      "hhid_string" "q05f1c01"   "q05f1c02"   "q05f1c03"
[16] "q05f1c04"   "q05f1c05"

## 19 ##### s05f2. fishexpenses #####
[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"      "hhid_string" "q05f2c01"   "q05f2c03"

## 20 ##### s05f3. fishincome #####
[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"      "hhid_string" "q05f3c01"   "q05f3c03"

## 21 ##### s05g1. forestincome #####
[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"      "hhid_string" "q05g1c01"   "q05g1c03"   "q05g1c04"
[16] "q05g1c05"   "q05g1c06"

## 22 ##### s05g2. forestexpenses #####
[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"      "hhid_string" "q05g2c01"   "q05g2c03"

## 23 ##### s05h1. bussiness #####
[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"      "hhid_string" "q05h1c01"   "q05h1c04"   "q05h1c05"
[16] "q05h1c06a" "q05h1c06b" "q05h1c06c" "q05h1c06d" "q05h1c06e"
[21] "q05h1c06f" "q05h1c06g" "q05h1c06h"

## 24 ##### s05h2. bussinessexpenses #####
[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"      "hhid_string" "q05h2c01"   "q05h2c03"   "q05h2c04"
[16] "q05h2c05"   "q05h2c06"   "q05h2c07"

## 25 ##### s05h3. bussinessincome #####

```

```

[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"      "hhid_string" "q05h3c01"   "q05h3c03"   "q05h3c04"
[16] "q05h3c05"  "q05h3c06"  "q05h3c07"

```

26 #### s06.liabilities

```

[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"      "hhid_string" "q06_c01"    "q06_c02"    "q06_c03"
[16] "q06_c04"   "q06_c05"   "q06_c06"    "q06_c07"    "q06_c08"

```

27 #### s07.incomeother

```

[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"      "hhid_string" "q07_c01"    "q07_c03"    "q07_c04"
[16] "q07_c05"

```

28 #### s08.construction

```

[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"      "hhid_string" "q08_c01"    "q08_c02a"    "q08_c02b"
[16] "q08_c02c"  "q08_c03"   "q08_c04"   "q08_c05"    "q08_c06"
[21] "q08_c07"   "q08_c08"   "q08_c09"   "q08_c10"    "q08_c11a"
[26] "q08_c11b"  "q08_c12a"  "q08_c12b"  "q08_c13"    "q08_c14"
[31] "q08_c15"   "q08_c16"   "q08_c17"   "q08_c18"    "q08_c19"

```

29 #### s09.durables

```

[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"      "hhid_string" "q09_c03"    "q09_c04"    "q09_c05a"
[16] "q09_c05b"  "q09_c05c"  "q09_c05d"  "q09_c06a"   "q09_c06b"
[21] "q09_c07"   "q09_c08"

```

30 #### s10.healthmother

```

[1] "hhid"      "persid"    "province"    "urbanrural" "weight"
[6] "hhsiz"     "weight3"   "psu"         "stratum"    "surveymonth"
[11] "region"    "year"      "persid_string" "hhid_string" "q10_c01"
[16] "q10_c02"   "q10_c03"   "q10_c04"     "q10_c05"    "q10_c06"
[21] "q10_c07"   "q10_c08"   "q10_c09"     "q10_c10"    "q10_c11"
[26] "q10_c12"   "q10_c13"   "q10_c14"     "q10_c15a"   "q10_c15b"
[31] "q10_c15c"  "q10_c15d"  "q10_c16"     "q10_c17"

```

31 #### s11.health2years

```

[1] "hhid"      "persid"    "province"    "urbanrural" "weight"
[6] "hhsiz"     "weight3"   "psu"         "stratum"    "surveymonth"
[11] "region"    "year"      "persid_string" "hhid_string" "q11_c01"
[16] "q11_c02"   "q11_c03"   "q11_c04"     "q11_c05"    "q11_c06a"
[21] "q11_c06b"  "q11_c07"   "q11_c08a"    "q11_c08b"   "q11_c09"
[26] "q11_c10"   "q11_c11"   "q11_c12a"    "q11_c12b"   "q11_c12c"
[31] "q11_c13a"  "q11_c13b"  "q11_c13c"    "q11_c13d"   "q11_c14a"

```


[36] "q11_c14b" "q11_c14c" "q11_c15a" "q11_c15b" "q11_c15c"

32 #### s12.health5years

[1]	"hhid"	"persid"	"province"	"urbanrural"	"weight"
[6]	"hhsizel"	"weight3"	"psu"	"stratum"	"surveymonth"
[11]	"region"	"year"	"persid_string"	"hhid_string"	"q12_c01"
[16]	"q12_c02"	"q12_c03"	"q12_c04"	"q12_c05"	"q12_c06"
[21]	"q12_c07"	"q12_c08"	"q12_c09a"	"q12_c09b"	"q12_c10a"
[26]	"q12_c10b"	"q12_c11"	"q12_c12"	"q12_c13"	

33 #### s13b.healthexpenses

[1]	"hhid"	"persid"	"province"	"urbanrural"	"weight"
[6]	"hhsizel"	"weight3"	"psu"	"stratum"	"surveymonth"
[11]	"region"	"year"	"persid_string"	"hhid_string"	"q13bc01"
[16]	"q13bc02"	"q13bc03"	"q13bc04"	"q13bc05"	"q13bc06"
[21]	"q13bc07"	"q13bc08"	"q13bc09a"	"q13bc09b"	"q13bc10"
[26]	"q13bc11"				

34 #### s14.disability

[1]	"hhid"	"persid"	"province"	"urbanrural"	"weight"
[6]	"hhsizel"	"weight3"	"psu"	"stratum"	"surveymonth"
[11]	"region"	"year"	"persid_string"	"hhid_string"	"q14_c01"
[16]	"q14_c02a"	"q14_c02b"	"q14_c02c"	"q14_c03a"	"q14_c03b"
[21]	"q14_c03c"	"q14_c04a"	"q14_c04b"	"q14_c04c"	"q14_c05a"
[26]	"q14_c05b"	"q14_c05c"			

35 #### s15.labor7days

[1]	"hhid"	"persid"	"province"	"urbanrural"	"weight"
[6]	"hhsizel"	"weight3"	"psu"	"stratum"	"surveymonth"
[11]	"region"	"year"	"persid_string"	"hhid_string"	"q15_c01"
[16]	"q15_c02"	"q15_c03"	"q15_c04"	"q15_c05b"	"q15_c06b"
[21]	"q15_c07"	"q15_c08"	"q15_c09"	"q15_c10"	"q15_c11"
[26]	"q15_c12b"	"q15_c13b"	"q15_c14"	"q15_c15"	"q15_c16"
[31]	"q15_c17"	"q15_c18"	"q15_c19"	"q15_c20"	"q15_c21"
[36]	"q15_c22"	"q15_c23"	"q15_c24"	"q15_c25a"	"q15_c25b"
[41]	"q15_c26"	"q15_c27a"	"q15_c27b"	"q15_c27c"	"q15_c28"
[46]	"q15_c29"	"q15_c30a"	"q15_c30b"	"q15_c31"	

36 #### s16.labor12months

[1]	"hhid"	"persid"	"province"	"urbanrural"	"weight"
[6]	"hhsizel"	"weight3"	"psu"	"stratum"	"surveymonth"
[11]	"region"	"year"	"persid_string"	"hhid_string"	"q16_c01"
[16]	"q16_c02"	"q16_c03"	"q16_c04b"	"q16_c05"	"q16_c06b"
[21]	"q16_c07"	"q16_c08"	"q16_c09"		

37 #### s17b.theft

[1]	"hhid"	"persid"	"province"	"urbanrural"	"weight"
[6]	"hhsizel"	"weight3"	"psu"	"stratum"	"surveymonth"
[11]	"region"	"year"	"persid_string"	"hhid_string"	"q17bc01"
[16]	"q17bc02"	"q17bc03"	"q17bc04"	"q17bc05"	"q17bc06"

[21] "q17bc07" "q17bc08"

38 #### s17c.accidents

[1]	"hhid"	"persid"	"province"	"urbanrural"	"weight"
[6]	"hhsiz3"	"weight3"	"psu"	"stratum"	"surveymonth"
[11]	"region"	"year"	"persid_string"	"hhid_string"	"q17cc01"
[16]	"q17cc02"	"q17cc03"	"q17cc04"	"q17cc05"	"q17cc06"

39 #### s17d.violence

[1]	"hhid"	"persid"	"province"	"urbanrural"	"weight"
[6]	"hhsiz3"	"weight3"	"psu"	"stratum"	"surveymonth"
[11]	"region"	"year"	"persid_string"	"hhid_string"	"q17dc01"
[16]	"q17dc02"	"q17dc03a"	"q17dc03b"	"q17dc03c"	"q17dc04"
[21]	"q17dc05"	"q17dc06"	"q17dc07"	"q17dc08"	"q17dc09"
[26]	"q17dc10"				

40 #### s17d.violence

[1]	"hhid"	"persid"	"province"	"urbanrural"	"weight"
[6]	"hhsiz3"	"weight3"	"psu"	"stratum"	"surveymonth"
[11]	"region"	"year"	"persid_string"	"hhid_string"	"q17dc01"
[16]	"q17dc02"	"q17dc03a"	"q17dc03b"	"q17dc03c"	"q17dc04"
[21]	"q17dc05"	"q17dc06"	"q17dc07"	"q17dc08"	"q17dc09"
[26]	"q17dc10"				

41 #### s18.presenseinhh

[1]	"hhid"	"persid"	"province"	"urbanrural"	"weight"
[6]	"hhsiz3"	"weight3"	"psu"	"stratum"	"surveymonth"
[11]	"region"	"year"	"persid_string"	"hhid_string"	"q18_c01"
[16]	"q18_c02a"	"q18_c02b"	"q18_c02c"	"q18_c02d"	"q18_c03a"
[21]	"q18_c03b"	"q18_c03c"	"q18_c03d"	"q18_c04a"	"q18_c04b"
[26]	"q18_c04c"	"q18_c04d"	"q18_c05a"	"q18_c05b"	"q18_c05c"
[31]	"q18_c05d"				

42 #### s99.singlequestions

[1]	"hhid"	"province"	"urbanrural"	"weight"	"hhsiz3"
[6]	"weight3"	"psu"	"stratum"	"surveymonth"	"region"
[11]	"year"	"hhid_string"	"q01bq1"	"q03bq1"	"q05aq1a"
[16]	"q05aq1b"	"q05aq2"	"q05aq3"	"q05bq1"	"q05dq1"
[21]	"q05eq1"	"q05fq1"	"q05fq2"	"q05fq3"	"q05gq1"
[26]	"q05gq2"	"q05hq1"	"q06_q1"	"q08_q1"	"q10_q1"
[31]	"q11_q1"	"q12_q1"	"q13aq1"	"q13aq2a"	"q13aq2b"
[36]	"q13aq2c"	"q13aq3"	"q13aq4"	"q17aq1"	"q17aq2"
[41]	"q17bq1"	"q17cq1"			

43 #### weighthh

[1]	"hhid"	"province"	"urbanrural"	"weight"	"hhsiz3"
[6]	"weight3"	"psu"	"stratum"	"surveymonth"	"region"
[11]	"year"				

44 ##### weightpersons

[1]	"hhid"	"persid"	"province"	"urbanrural"	"weight"
[6]	"hhsiz"	"weight3"	"psu"	"stratum"	"surveymonth"
[11]	"region"	"year"			

45 ##### IncomeCSES09

[1]	"hhid"	"weighthh"
[3]	"weighthhpers"	"hhsiz"
[5]	"salary"	"diarysalarycash"
[7]	"diarysalaryinkind"	"costcrop"
[9]	"costlivestock"	"costfish"
[11]	"costforestry"	"receiptcrop"
[13]	"receiptlivestock"	"receiptfish"
[15]	"receiptforestry"	"agriincome"
[17]	"costnonagri"	"receiptnonagri"
[19]	"nonagriincome"	"incomeownhouse"
[21]	"bankinterest"	"interestotherloans"
[23]	"dividends"	"rentfromland"
[25]	"grosspropertyincome"	"interestpaidagri"
[27]	"interestpaidnonagri"	"interestpaidownoccupied"
[29]	"interestpaidnet"	"propertyincome"
[31]	"primaryincome"	"pensiondomestic"
[33]	"pensionabroad"	"pension"
[35]	"ngotransfers"	"remittancedomestic"
[37]	"remittanceabroad"	"totalprivatetransfers"
[39]	"scholarshipgovernment"	"scholarshipngo"
[41]	"totalscholarship"	"gifts"
[43]	"othertransfer"	"totaltransfers"
[45]	"totalincome"	"wageratio"
[47]	"agriratio"	"otherselfempratio"
[49]	"propertyratio"	"transfersratio"
[51]	"diarytaxes"	"diaryinterhhtransfers"
[53]	"diarycashtransferchar"	"diarytotalnegativetransfers"
[55]	"disposableincome"	"diarycostagri"
[57]	"diaryreceiptagri"	"diaryagriincome"
[59]	"diarycostnonagri"	"diaryreceiptnonagri"
[61]	"diarynonagriincome"	"diarybankinterest"
[63]	"diaryinterestotherloans"	"diarydividends"
[65]	"diaryotherfinancialaccount"	"diarygrosspropertyincome"
[67]	"diarypropertyincome"	"diaryprimaryincome"
[69]	"diarypensiondomestic"	"diarypensionabroad"
[71]	"diarypension"	"diaryinsurancedomestic"
[73]	"diaryinsuranceabroad"	"diaryngotransfers"
[75]	"diaryremittancedomestic"	"diaryremittanceabroad"
[77]	"diarytotalprivatetransfers"	"diaryscholarship"
[79]	"diarygifts"	"diaryothertransfers"
[81]	"diarytotaltransfers"	"diarytotalincome"
[83]	"diarydisposableincome"	"psuchar"
[85]	"psul"	"psu"
[87]	"areaid"	"dprovince"
[89]	"urbanrural"	"dregion"
[91]	"dzone"	"blilan"
[93]	"bstoran"	"agriadj"
[95]	"nonagriadj"	"propertyadj"
[97]	"ownhouseadj"	"adjdisp"

[99] "adjdispcapita" "adjtotaltransfers"
[101] "adjtotalincome" "adjprimaryincome"
[103] "adjdiarytotalnegativetransfers"

>

5.2 Frequency of categorical variables

Displayed frequency table of categorical variables

```
> # file names: Rnames[j]      (j=1 to 45)
> # file list: outfiles[[j]]
> # description of variable names: var.names[[j]]
> # list of column numbers of categorical variables
> ck<-list() # Numbers of categorical variables
> ck[[1]]<-c(16, 19:21)
> ck[[2]]<-c(16, 19:21)
> ck[[3]]<-c(15, 16, 21:32)
> ck[[4]]<-c(13)
> ck[[5]]<-c(13)
> ck[[6]]<-c()
> ck[[7]]<-c(15:29)
> ck[[8]]<-c(15, 16, 20, 23, 24, 27:30)
> ck[[9]]<-c(15:17, 19, 21:25, 27, 28)
> ck[[10]]<-c(13, 15:20, 22:24, 26, 28:30, 33:40, 43:48, 56)
> ck[[11]]<-c()
> ck[[12]]<-c(13, 15, 17, 18, 20, 21, 23:25, 27, 30:41, 43, 45)
> ck[[13]]<-c(13:16)
> ck[[14]]<-c(13:15)
> ck[[15]]<-c(13, 14)
> ck[[16]]<-c(13, 14)
> ck[[17]]<-c(13)
> ck[[18]]<-c(13, 14)
> ck[[19]]<-c(13)
> ck[[20]]<-c(13)
> ck[[21]]<-c(13)
> ck[[22]]<-c(13)
> ck[[23]]<-c(13:23)
> ck[[24]]<-c(13)
> ck[[25]]<-c(13)
> ck[[26]]<-c(13, 16, 17)
> ck[[27]]<-c(13)
> ck[[28]]<-c(13:16, 21, 23, 24, 29)
> ck[[29]]<-c(13, 15:18)
> ck[[30]]<-c(15:34)
> ck[[31]]<-c(15:19, 22:28, 31, 35, 38)
> ck[[32]]<-c(15:18, 20:24, 28)
> ck[[33]]<-c(15:18, 20, 21)
> ck[[34]]<-c(15:27)
> ck[[35]]<-c(15:18, 21, 22, 25, 28, 29, 35, 37, 38, 41:45, 49)
> ck[[36]]<-c(15, 16, 19, 21:23)
> ck[[37]]<-c(15:21)
> ck[[38]]<-c(15:20)
> ck[[39]]<-c()
> ck[[40]]<-c()
> ck[[41]]<-c(15, 16, 18, 20:22, 24:26, 28:30)
> ck[[42]]<-c(13:42)
> ck[[43]]<-c()
> ck[[44]]<-c()
> ck[[45]]<-c()
>
> for(j in 1:length(ck)) {
```

```

+ if(length(ck[[j]])==0) {next}
+ cat("\n\n###", j, "#### Frequency of variables in", Rnames[j], " #####\n\n")
+ for(k in ck[[j]]) {
+   variable.name<-colnames(outfiles[[j]])[k]
+   variable.desc<-var.names[[j]][k]
+   cat("----", variable.name, ":", variable.desc)
+   print(addmargins(table(outfiles[[j]][k], useNA="ifany")))
+ }
+ }

```

1 #### Frequency of variables in 09dy.expenditure

```

--- diaryexp_q5 :
      1      2      3      4      5      6      7      8      9      10      11
65788  56854 1533110 241661 112407  54172    555 263003 167138 126231    80
Sum
2620999
--- diaryexp_q8 :
      1      2      3      4      5      Sum
1891475  2604    987  26291 699642 2620999
--- diaryexp_q9 :
      1      2      3      4      5      Sum
705139 1649113 228212  35392   3143 2620999
--- diaryexp_q10 :
      1      2      3      4      5      6      7      8      9      10      11
2471099 41166  5494   102  88858   872   826  11052   187   415   539
      12      Sum
      389 2620999

```

2 #### Frequency of variables in 09dy.income

```

--- diaryinc_q5 :
      0      1      2      3      4      5      6      7      8      9      10      11      Sum
      1  5365   297 417717 47461  4915   435    81 249139  6877 146599    25 878912
--- diaryinc_q8 :
      1      2      3      Sum
169050 709597  265 878912
--- diaryinc_q9 :
      1      2      3      4      5      6      7      8      9      10      11      12      13
33996 629028 72426   13  4538 98392 25715  1541   120   22   532   108   52
      14      15      16      19      Sum
      122      2      32 12273 878912
--- diaryinc_q10 :
      101      201      202      203      204      205      206      207      208      301      302      303      304
33504  8523 361341  673   567  1565  6264  888 249398  7505 65023  208 1339
      401      402      501      502      503      504      505      506      507      508      509      510      511
3204  1053   624    97  1654    70 12674    51    18 73727   394 1216 2917
      512      513      599      601      602      603      604      701      801      802      901      904      905
      2  1835  2819    7    18    3    53 25078  1453    59    26    1    28
      999     1001     1002     1003     1004     1005     1006     1007     1008     1099     1101     1102     1103
      61      26      14     116     43     151     120     27     120     25     2     2     4
      1199     1299      Sum
      7 12315 878912

```

3 ##### Frequency of variables in s01a.hhmembers

```

--- q01ac01 :
  1    2    3    4    5    6    7    8    9    10   11   12   13   14   15
11971 11688 10750 8842 6193 3768 2014 1012 481  221  87  41  22  11  4
Sum
57105
--- q01ac03 :
  1    2    Sum
27708 29397 57105
--- q01ac06 :
  1    2    3    4    5    6    7    8    9    10   11   12   13   14   15
11971 9506 28131 138  90  534 434 3148 446 1514 318 526 267 47 35
Sum
57105
--- q01ac07 :
  0    1    2    3    4    5    6    7    8    9    10   11   12   13   14
  2 23664 1293 498 353 290 251 158 98 66 47 5 12 9 2
<NA> Sum
30357 57105
--- q01ac08 :
  1    2    3    4    5    6    7    8    9    10   11   12   13   14   15
4340 24118 1071 444 302 309 189 134 44 39 9 11 1 2 1
<NA> Sum
26091 57105
--- q01ac09 :
  1    2    3    4 <NA> Sum
22417 749 3210 15122 15607 57105
--- q01ac10 :
  1    2    3    4    5    6    7    8    9    10   11   12   13   14 <NA>
9441 9859 1002 588 388 317 216 140 88 49 14 10 6 3 34984
Sum
57105
--- q01ac11a :
  1    2    3    4    5    6    7    8 <NA> Sum
54716 1397 616 44 229 11 1 23 68 57105
--- q01ac11b :
  1    2 <NA> Sum
56605 432 68 57105
--- q01ac12a :
  0    1    2    3    4    5    6    7    8    9 <NA> Sum
51031 430 2322 326 521 413 154 1248 600 22 38 57105
--- q01ac12b :
  0    1    2    3    4    5    6    7    8    9 <NA> Sum
1078 68 185 102 71 45 76 12 5 23 55440 57105
--- q01ac12c :
  0    1    2    3    4    5    6    7    8    9 <NA> Sum
130 8 5 6 4 7 6 1 1 3 56934 57105
--- q01ac13 :
  1    2    Sum
54779 2326 57105
--- q01ac14 :
  0    1    2    3    4    5    6    7    8    9    10   11   12   13   14
313 127 140 135 197 33 32 33 86 2 83 5 127 10 14
15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

```

38	43	4	19	1	86	4	4	8	32	31	6	4	20	3
30	31	32	34	35	36	37	38	39	40	41	42	43	44	45
39	3	42	3	21	26	16	6	3	99	2	28	7	20	71
46	47	48	49	50	51	52	<NA>	Sum						
21	18	68	50	50	5	3	54864	57105						

4 ##### Frequency of variables in s01b.foodconsumption

--- q01bc01 :

1	2	3	4	5	6	7	8	9	10	11	12	13
11879	11880	10292	9242	4200	11451	11830	4237	4625	6193	10059	5137	11813
14	15	16	17	18	19	20	Sum					
4044	3238	4715	5662	5003	5632	2789	143921					

5 ##### Frequency of variables in s01c.nonfoodexpenses

--- q01cc01 :

1	2	3	4	5	6	7	8	9	10	11	12	13	Sum
9293	8116	6800	11806	11402	10028	179	5045	292	6778	3752	755	11909	86155

7 ##### Frequency of variables in s02.education

--- q02c01 :

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
11971	11670	10076	7957	5456	3277	1742	839	383	164	57	32	14	6	3
Sum														
53647														

--- q02c02 :

1	2	<NA>	Sum
36488	17149	10	53647

--- q02c03 :

1	2	<NA>	Sum
36081	17558	8	53647

--- q02c04 :

1	2	<NA>	Sum
41123	12515	9	53647

--- q02c05 :

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1025	2941	3590	4657	4713	4700	4146	4115	3146	2754	1468	961	1578	240	282
15	16	17	18	19	20	21	22	<NA>	Sum					
210	309	109	118	28	27	5	2	12523	53647					

--- q02c06 :

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
854	2452	3634	4664	4675	4658	4129	3934	3055	2531	1307	938	1170	376	451
15	16	17	18	19	20	21	88	98	<NA>	Sum				
149	118	371	361	68	19	12	1158	36	12527	53647				

--- q02c07 :

1	2	<NA>	Sum
14223	26907	12517	53647

--- q02c08 :

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
271	1605	1797	1700	1479	1240	1186	1035	855	793	577	520	464	53	33
15	16	<NA>	Sum											


```

567    51 39421 53647
--- q02c09 :
  1    2 <NA>    Sum
13465  761 39421 53647
--- q02c10 :
  1    2 <NA>    Sum
3917 10310 39420 53647
--- q02c11 :
  1    2    3    4    5    6    7    8    9    10    11    12 <NA>    Sum
593   528   186   68    4   596   398   607   52   39   3306   66 47204 53647
--- q02c12 :
  1    2    Sum
3147 50500 53647
--- q02c13 :
  1    2 <NA>    Sum
1820 1327 50500 53647
--- q02c14 :
  1    2    3    4    5    6 <NA>    Sum
46    74    17 1548   71   51 51840 53647
--- q02c15 :
  1    2 <NA>    Sum
14131 39505    11 53647

```

8 ##### Frequency of variables in s03a.migration.past

```

--- q03ac01 :
  1    2    3    4    5    6    7    8    9    10    11    12    13    14    15
11916 11604 9519 7347 5042 3004 1541 735 325 140 52 28 13 6 3
Sum
51275
--- q03ac02 :
  1    2    Sum
31823 19452 51275
--- q03ac05 :
  1    2    3    4    5    6    7    8    9    10    11    12 <NA>    Sum
688   2002 186 3356 7262 178 29 1249 4141 75 36 250 31823 51275
--- q03ac07 :
  1    2    Sum
593 50682 51275
--- q03ac08 :
  1    2    3    4    5    6    7    8    10    20    47    98 <NA>    Sum
313 127 80 19 25 4 3 2 8 3 1 8 50682 51275
--- q03ac10 :
  1    2    3    4    5    6    7    8    9    10    11    12    14    15    16
78   67   55 38 34 40 29 19 24 14 9 40 3 6 3
17   18   20 21 22 23 24 25 26 28 36 48 50 56 60
2    10   4 2 2 2 15 1 2 1 8 5 1 1 6
99 <NA>    Sum
72 50682 51275
--- q03ac11 :
  1    2    3    4    5    6    7    8    9    10    11 <NA>    Sum
126 101 288 11 9 12 17 2 12 13 2 50682 51275
--- q03ac12 :
  221 235 241 263 265 314 411 422 513 514 532 541 548 550 611
1    1    1    1    1    1    1    2    6    2    1    9    8    1    17

```

621	622	631	632	634	711	712	722	733	751	753	755	757	813	816
1	8	11	1	9	16	5	2	1	7	4	13	1	1	1
818	832	837	911	912	914	921	931	932	933	941	951	961	962	999
6	1	1	14	4	1	216	174	1	17	2	1	2	1	2
<NA>	Sum													
50698	51275													

--- q03ac13 :

1	2	3	4	5	6	7	8	9	<NA>	Sum
120	115	14	97	93	9	32	29	84	50682	51275

9 ##### Frequency of variables in s03b.migration.current

--- q03bc01 :

31	32	33	34	35	36	37	38	39	40	41	Sum
3400	2077	1194	673	368	190	88	36	15	7	1	8049

--- q03bc03 :

1	2	Sum
4134	3915	8049

--- q03bc04 :

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
50	56	82	159	188	246	263	332	320	395	477	410	447	436	404	480	235	242
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
177	207	264	195	191	212	194	206	118	156	114	85	146	83	62	78	43	70
51	52	53	54	55	56	57	58	59	60	61	62	63	65	69	70	73	74
31	37	31	17	29	14	19	10	2	13	1	4	2	2	1	1	1	1
75	76	77	81	87	88	Sum											
1	1	2	1	2	3	8049											

--- q03bc05c :

9301	9304	9305	9306	9307	9309	9314	9316	9317	9401	9402	9502	9507	9601	9602	9799	<NA>	Sum
6	2	2	7	12	75	1	282	17	8	2	11	1	35	5	2	7581	8049

--- q03bc07 :

1	2	3	4	5	6	Sum
1063	690	5901	193	132	70	8049

--- q03bc08 :

11	111	112	121	122	131	143	216	221	222	223	224	225	231	233	234	235	241
51	5	1	2	2	1	1	1	5	10	4	5	3	2	28	67	6	4
243	251	261	262	263	265	311	312	313	314	321	322	324	331	334	335	341	343
1	1	1	2	17	12	3	5	2	1	1	2	1	2	3	1	1	3
352	411	412	421	422	431	511	512	513	514	515	516	522	531	532	541	542	543
2	43	1	13	22	2	3	10	15	19	2	3	1	18	37	236	9	1
544	545	546	547	548	549	550	611	612	613	621	622	631	632	634	711	712	721
6	13	5	1	119	1	2	489	3	7	4	46	4770	2	44	26	14	14
722	723	724	725	731	732	734	735	736	738	739	741	742	751	752	753	755	756
6	1	22	17	29	1	2	14	1	19	1	5	8	19	1	9	277	2
757	811	812	814	816	818	821	831	832	833	834	835	836	837	911	913	914	921
2	2	1	3	8	1	1	1	55	6	27	10	3	1	14	1	7	218
931	932	933	941	954	955	956	961	962	963	999	<NA>	Sum					
162	6	27	6	1	7	1	9	1	4	72	698	8049					

--- q03bc09 :

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
24	142	403	711	873	965	822	828	674	578	213	155	327	132	123	46	36	63
18	19	20	21	88	98	Sum											
87	12	4	10	713	108	8049											

--- q03bc10 :

11	111	112	121	122	131	134	141	143	215	216	221	222	223	224	225	233	234
----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

```

77 14 4 2 2 2 1 5 1 2 1 12 13 3 5 5 39 81
235 241 242 251 261 262 263 264 265 311 312 313 321 322 324 325 331 332
8 3 2 2 1 4 36 1 12 8 7 2 1 2 1 1 7 1
334 335 341 343 351 352 411 412 421 422 431 512 513 514 515 516 521 522
4 2 10 7 1 2 66 1 29 40 3 16 31 39 4 8 4 3
531 532 541 542 543 544 545 546 547 548 549 550 611 612 613 621 622 631
53 61 404 7 3 8 21 12 1 253 3 6 429 10 3 7 60 3569
632 634 711 712 713 721 722 723 724 725 731 732 733 734 738 739 741 742
10 53 44 36 3 29 14 4 41 32 37 9 7 6 17 4 4 14
751 752 753 754 755 756 757 811 812 814 815 816 818 821 831 832 833 834
43 1 22 1 657 3 3 4 3 3 2 11 2 4 1 99 25 43
835 836 837 911 912 913 914 921 931 932 933 941 951 952 954 955 961 962
21 6 4 67 5 4 9 286 276 14 57 5 2 1 7 12 11 2
963 999 <NA> Sum
8 35 378 8049
--- q03bc11 :
1 2 <NA> Sum
5585 2454 10 8049
--- q03bc13a :
1 2 3 4 <NA> Sum
45 168 5329 40 2467 8049
--- q03bc13b :
1 2 3 4 <NA> Sum
4 36 32 253 7724 8049

```

10 #### Frequency of variables in s04.housing

```

--- q04_01 : how many hhs reside in same unit
1 2 3 4 5 6 7 9 Sum
11375 491 83 9 6 3 2 1 11970
--- q04_03 : how many rooms are use by hh (other than kitchchen, toilet and tathrooms)?
1 2 3 4 5 6 7 8 9 10 11 12 15 Sum
8342 2694 619 198 52 29 14 8 2 5 3 2 2 11970
--- q04_04 : walls primary construction material
1 2 3 4 5 6 7 8 9 Sum
3908 5686 70 1529 607 16 86 34 34 11970
--- q04_05 : roof primary construction material
1 2 3 4 5 6 7 8 9 10 Sum
1862 3228 903 5392 22 64 13 472 10 4 11970
--- q04_06 : floors primary construction materials
1 2 3 4 5 6 7 8 9 Sum
915 5930 3049 870 154 8 5 1030 9 11970
--- q04_07 : what is the hh's main source of lighthing?
1 2 3 4 5 6 7 Sum
3209 204 4609 3702 39 7 200 11970
--- q04_08 : what is the hh's main source of drinking water in wet season?
1 2 3 4 5 6 7 8 9 10 11 12 13 <NA> Sum
1822 52 2787 766 1676 1218 255 54 2981 284 27 26 21 1 11970
--- q04_10m1 : which hh members fetch water in wet season?
1 2 3 4 5 6 7 8 9 10 12 <NA> Sum
4709 1018 567 129 74 37 13 11 5 1 1 5405 11970
--- q04_10m2 : which other hh members fetch water in wet season?
1 2 3 4 5 6 7 8 9 10 11 <NA> Sum
298 3598 1007 455 125 65 22 12 7 4 1 6376 11970
--- q04_10m3 : which other hh members fetch water in wet season?

```

1	2	3	4	5	6	7	8	9	10	11	<NA>	Sum	
104	84	1199	414	225	75	38	18	5	11	2	9795	11970	
--- q04_12 : what is the hh's main source of drinking water in dry season?													
1	2	3	4	5	6	7	8	9	10	11	12	13	<NA> Sum
1965	61	3378	890	1911	2222	483	15	170	754	52	36	31	2 11970
--- q04_14m1 : which hh members fetch water in dry season?													
1	2	3	4	5	6	7	8	9	10	12	<NA>	Sum	
6079	1329	785	184	106	53	16	13	6	1	1	3397	11970	
--- q04_14m2 : which other hh members fetch water in dry season?													
1	2	3	4	5	6	7	8	9	10	11	<NA>	Sum	
356	4451	1330	615	201	96	39	20	13	5	1	4843	11970	
--- q04_14m3 : which other hh members fetch water in dry season?													
1	2	3	4	5	6	7	8	9	10	11	13	<NA>	Sum
132	87	1407	547	280	106	47	25	7	12	2	1	9317	11970
--- q04_17 : did hh boil or treated water last month?													
1	2	3	Sum										
7236	1757	2977	11970										
--- q04_18a : did you boil the water?													
1	2	<NA>	Sum										
8296	697	2977	11970										
--- q04_18b : did you filter the water?													
1	2	<NA>	Sum										
1007	7986	2977	11970										
--- q04_18c : did you treted chemicaly the water?													
1	2	<NA>	Sum										
27	8966	2977	11970										
--- q04_18d : did you use white alum for the water?													
1	2	<NA>	Sum										
70	8923	2977	11970										
--- q04_18e : did you use any other treatment the water?													
1	2	<NA>	Sum										
74	8919	2977	11970										
--- q04_19a : what toilet facilities your hh has on the premises (close to dwelling)?													
1	2	3	4	5	6	7	8	Sum					
1179	2920	99	157	218	197	7184	16	11970					
--- q04_19b : what toilet facility does your hh ususally use?													
1	2	3	<NA>	Sum									
163	6938	83	4786	11970									
--- q04_22a : what type of use your hh mainly use for cooking?													
1	2	3	4	5	7	8	Sum						
9654	1023	1197	1	34	6	55	11970						
--- q04_22b : does the vendor brings the firewood/charcoal home?													
1	2	<NA>	Sum										
2319	8358	1293	11970										
--- q04_22c1 : which hh member colects firewood or charcoal?													
1	2	3	4	5	6	7	8	9	10	11	12	<NA>	Sum
6187	1223	607	168	91	55	10	8	5	1	1	2	3612	11970
--- q04_22c2 : which other hh member colects firewood or charcoal?													
1	2	3	4	5	6	7	8	9	10	11	12	<NA>	Sum
309	3781	1274	513	169	107	42	26	7	9	2	2	5729	11970
--- q04_22c3 : which other hh member colects firewood or charcoal?													
1	2	3	4	5	6	7	8	9	10	11	12	14	<NA> Sum
75	80	1018	462	233	77	37	22	11	12	2	1	1	9939 11970
--- q04_22d : how many hours per week are used in collecting firewood/charcoal													
0	1	2	3	4	5	6	7	8	9	10	11	12	13 14
409	881	1396	1416	1100	748	534	338	322	84	373	22	170	12 45

15	16	17	18	19	20	21	22	23	24	25	26	28	30	35
110	15	4	17	1	80	16	3	1	45	9	1	14	63	15
36	38	40	42	45	48	50	56	60	63	65	70	72	85	90
4	1	6	1	1	8	4	6	12	1	1	1	1	1	2
<NA>	Sum													
3676	11970													

--- q04_24 : what was the legal status of the dwelling?

1	2	3	4	<NA>	Sum
11245	405	311	5	4	11970

12 ##### Frequency of variables in s05a.landown

--- q05ac01 :

1	2	3	4	5	6	7	8	9	Sum
8504	4874	1959	704	271	103	41	1	1	16458

--- q05ac03 :

1	2	3	4	5	Sum
14831	772	602	227	26	16458

--- q05ac04b :

1	2	3	<NA>	Sum
9355	5685	39	1379	16458

--- q05ac04c :

1	2	3	4	<NA>	Sum
490	8697	5733	9	1529	16458

--- q05ac05b :

1	2	3	<NA>	Sum
364	411	1	15682	16458

--- q05ac05c :

1	2	3	4	<NA>	Sum
5	364	399	4	15686	16458

--- q05ac06b :

1	2	3	<NA>	Sum
369	228	2	15859	16458

--- q05ac06c :

1	2	3	<NA>	Sum
6	286	307	15859	16458

--- q05ac07 :

1	2	3	4	5	6	7	8	9	10	<NA>	Sum
11035	1667	567	1654	609	452	7	35	418	10	4	16458

--- q05ac09 :

1	2	3	4	5	6	7	8	Sum
5917	6430	632	1838	890	33	617	101	16458

--- q05ac12 :

1	2	3	4	Sum
8382	7232	542	302	16458

--- q05ac13a :

1	2	3	4	5	6	7	<NA>	Sum
2326	44	2000	3803	73	72	75	8065	16458

--- q05ac13b :

1	2	3	4	5	6	7	8	<NA>	Sum
1968	30	1862	3136	67	68	20	1242	8065	16458

--- q05ac14 :

1	2	3	4	5	6	7	<NA>	Sum
4536	2375	1092	181	140	39	30	8065	16458

--- q05ac15 :

1	2	3	4	5	6	7	8	9	11	77	88	99	Sum
13914	1420	119	41	46	29	16	12	3	4	234	581	39	16458
--- q05ac16a :													
1	2	3	4	5	6	<NA>	Sum						
12683	1555	1053	46	1045	13	63	16458						
--- q05ac16b :													
1	2	3	4	5	6	<NA>	Sum						
34	340	66	46	5	1	15966	16458						
--- q05ac16c :													
1	2	3	4	5	<NA>	Sum							
5	4	24	3	1	16421	16458							
--- q05ac17 :													
1	2	3	4	Sum									
1749	4093	1280	9336	16458									
--- q05ac18a :													
1	2	3	4	5	6	7	8	Sum					
15090	312	674	42	1	98	167	74	16458					
--- q05ac18b :													
1	2	3	4	6	7	<NA>	Sum						
18	6	6	13	7	39	16369	16458						
--- q05ac18c :													
1	3	4	7	8	<NA>	Sum							
4	1	8	4	1	16440	16458							
--- q05ac20 :													
1	2	Sum											
14093	2365	16458											
--- q05ac22 :													
1	2	3	Sum										
123	364	15971	16458										

13 ##### Frequency of variables in s05b.cropsproduction

--- wetdry :														
1	2	Sum												
13502	4271	17773												
--- q05bc01 :														
1	2	3	4	5	6	7	8	9	10	Sum				
9820	4753	1957	730	316	133	50	8	5	1	17773				
--- q05bc02 :														
1	2	3	4	5	6	7	8	9	Sum					
9284	5224	2059	738	304	120	42	1	1	17773					
--- q05bc03b :														
101	102	103	104	105	201	202	203	204	205	207	208	209	301	
2	1646	10592	159	529	8	154	63	483	2	22	7	5	39	
302	303	401	411	412	413	414	416	417	421	422	424	425	442	
128	9	43	96	110	173	1	4	2	5	20	16	5	1	
443	445	451	452	453	501	502	503	504	505	506	508	510	521	
3	6	36	19	13	74	21	2	2	17	46	1	10	39	
522	523	524	525	526	527	528	529	530	531	542	543	545	551	
124	56	4	43	41	3	12	3	1	31	14	8	1	2	
552	553	561	562	564	601	602	801	802	803	804	805	811	813	
45	4	5	1	5	4	1	61	3	10	22	4	556	10	
814	815	816	817	819	821	822	823	824	825	826	827	828	830	
7	598	24	7	125	77	7	2	5	13	4	64	1	1	
833	841	842	843	844	911	921	922	924	926	927	928	941	952	

44	470	20	1	6	330	3	1	13	1	3	1	123	4	3
955	956	997	Sum											
1	2	14	17773											

14 ##### Frequency of variables in s05c.costcrops

--- wetdry :

1	2	Sum
13086	3825	16911

--- q05cc01 :

1	2	3	4	5	6	7	8	9	10	Sum
9493	4488	1815	673	282	106	41	5	2	6	16911

--- q05cc02 :

1	2	3	4	5	6	7	8	9	Sum
8976	4906	1927	683	277	100	39	1	2	16911

15 ##### Frequency of variables in s05d.cropsinventory

--- q05dc01 :

1	2	3	4	5	6	7	10	Sum
5776	1214	253	45	14	2	1	3	7308

--- q05dc02b :

101	102	103	104	105	201	202	203	207	301	302	401	411	412	413	421	442	445
605	6423	104	20	3	3	1	4	1	13	19	2	7	34	16	1	1	1
451	501	502	525	526	527	541	552	564	811	812	815	841	911	941	952	Sum	
1	1	1	1	2	1	1	1	1	1	4	4	23	5	1	2	7308	

16 ##### Frequency of variables in s05e1.animals

--- q05e1c01 :

1	2	3	4	5	6	7	8	9	10	Sum
8435	8435	8435	8435	8435	8435	8435	8435	8435	8435	84350

--- q05e1c03 :

1	2	<NA>	Sum
17872	66473	5	84350

17 ##### Frequency of variables in s05e2.animalsexpenses

--- q05e2c01 :

1	2	3	4	5	6	Sum
3902	6595	200	3242	378	169	14486

18 ##### Frequency of variables in s05f1.fisharea

--- q05f1c01 :

1	2	3	Sum
214	10	3	227

--- q05f1c02 :

1	2	3	4	5	Sum
215	1	4	4	3	227

19 #### Frequency of variables in s05f2.fishexpenses

--- q05f2c01 :

1	2	3	4	5	6	7	8	9	10	11	12	Sum
413	210	36	65	6112	461	275	27	16	75	10	153	7853

20 #### Frequency of variables in s05f3.fishincome

--- q05f3c01 :

1	2	3	4	5	6	7	Sum
1928	6439	2145	1390	221	43	198	12364

21 #### Frequency of variables in s05g1.forestincome

--- q05g1c01 :

1	2	3	4	5	6	7	8	9	10	Sum
310	8476	197	2141	250	6023	906	312	725	58	19398

22 #### Frequency of variables in s05g2.forestexpenses

--- q05g2c01 :

1	2	3	4	5	6	7	Sum
571	604	324	304	3918	137	70	5928

23 #### Frequency of variables in s05h1.bussiness

--- q05h1c01 :

1	2	3	4	5	Sum
4070	662	94	14	3	4843

--- q05h1c04 :

0113	0130	0141	0145	0146	0160	0220	0810	0990	1010	1020	1030	1060	1070	1080	1100	1310
2	1	3	3	2	2	7	13	5	1	7	3	3	190	72	1	131
1390	1410	1520	1610	1620	1700	1810	1820	1920	2020	2030	2220	2310	2390	2420	2430	2510
38	141	1	5	176	2	3	1	1	2	1	1	2	16	3	1	19
2610	2820	3010	3100	3210	3310	3510	3530	3600	3830	4100	4220	4310	4320	4390	4510	4520
1	3	1	19	19	5	43	1	12	6	5	2	1	1	8	4	19
4540	4610	4620	4630	4640	4650	4660	4690	4710	4720	4730	4740	4750	4760	4770	4780	4790
120	3	51	7	3	3	83	1	793	629	43	28	11	15	116	323	142
5010	5020	5220	5510	5590	5610	5620	5630	5810	5910	6010	6190	6200	6310	6410	6490	6610
1	3	4	11	10	376	12	3	4	2	1	8	1	3	2	7	3
6810	6920	7110	7420	7500	7710	7720	7730	7740	7910	8130	8210	8290	8410	8510	8520	8540
4	1	1	17	2	1	23	2	1	1	1	1	4	1	1	2	6
8620	8690	9000	9200	9320	9510	9520	9600	Sum								
37	10	21	24	1	6	28	110	4843								

--- q05h1c05 :

1	2	3	4	5	6	7	8	9	10	12	13	<NA>	Sum
2499	1780	292	121	69	33	22	9	4	4	3	1	6	4843

--- q05h1c06a :

1	2	3	4	5	6	7	8	9	10	11	13	<NA>	Sum
593	1051	510	221	94	82	24	9	6	5	3	2	2243	4843

--- q05h1c06b :

1	2	3	4	5	6	7	8	9	12	13	14	<NA>	Sum
45	40	322	190	77	45	25	10	5	1	1	2	4080	4843

--- q05h1c06c :

1	2	3	4	5	6	7	8	9	10	<NA>	Sum
10	6	12	101	43	19	17	1	2	2	4630	4843

--- q05h1c06d :

1	2	3	4	5	6	7	8	9	<NA>	Sum
3	1	1	4	27	15	5	4	1	4782	4843

--- q05h1c06e :

5	6	7	8	10	12	<NA>	Sum
2	8	6	3	1	1	4822	4843

--- q05h1c06f :

6	8	9	13	<NA>	Sum
2	2	1	1	4837	4843

--- q05h1c06g :

7	9	<NA>	Sum
1	1	4841	4843

--- q05h1c06h :

8	<NA>	Sum
1	4842	4843

24 #### Frequency of variables in s05h2.bussinessexpenses

--- q05h2c01 :

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1352	98	1519	1555	2325	154	480	529	2393	1084	847	142	364	954	1190
16	17	18	Sum											
283	155	296	15720											

25 #### Frequency of variables in s05h3.bussinessincome

--- q05h3c01 :

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
671	154	669	44	2314	39	88	556	519	4	78	13	23	28	7	29	14	18
19	20	Sum															
17	75	5360															

26 #### Frequency of variables in s06.liabilities

--- q06_c01 :

1	2	3	4	5	6	Sum
4497	186	33	10	5	1	4732

--- q06_c04 :

1	2	3	4	5	6	7	8	9	10	<NA>	Sum
1030	37	319	907	161	8	5	987	1197	79	2	4732

--- q06_c05 :

1	2	3	4	5	6	7	8	9	10	Sum
1283	469	1790	478	2	119	302	105	146	38	4732

27 #### Frequency of variables in s07.incomeother

--- q07_c01 :

1	2	3	4	5	6	7	8	9	10	11	12	Sum
201	2392	75	105	366	69	9	9	127	259	2302	948	6862

28 ##### Frequency of variables in s08.construction

```

--- q08_c01 :
  1    2    3    4    Sum
11230  86    5    1 11322
--- q08_c02a :
  1    2    3    4 <NA>    Sum
11142  14  127    5    34 11322
--- q08_c02b :
  1    2    3    4 <NA>    Sum
  2   14  217   15 11074 11322
--- q08_c02c :
  2    3    4 <NA>    Sum
  2    1    3 11316 11322
--- q08_c07 :
  1    2    Sum
  90 11232 11322
--- q08_c09 :
  1    2 <NA>    Sum
  889 10420   13 11322
--- q08_c10 :
  1    2    3 <NA>    Sum
  191  131  554 10446 11322
--- q08_c13 :
  1    2    3    4    5 <NA>    Sum
  25   60   61   67    4 11105 11322

```

29 ##### Frequency of variables in s09.durables

```

--- q09_c03 :
  801  802  803  804  805  806  807  808  809  810  811  812  813  814  815
5082 7223 8118 5883 2448 779 3514 1627 346 511 2462 213 2049 520 1786
  816  817  818  819  820  821  822  823  824  825  826  827  828  829  830
  371  108 5325 219    2   10   31 1620 114 419  40   67  127 466  118
  831  832  833  834  835  836  837  838  839  840  841  890  891  892  893
  641  329  35   23 3508 1273   78 11222 648 284 1096 7002 6193 4921 4262
  894    Sum
  253 93366
--- q09_c05a :
  1    2    3    4 <NA>    Sum
90514 217 2176 294  165 93366
--- q09_c05b :
  1    2    3    4 <NA>    Sum
26535  52  385   75 66319 93366
--- q09_c05c :
  1    2    3    4 <NA>    Sum
14963  18  106   33 78246 93366
--- q09_c05d :
  1    2    3    4 <NA>    Sum
  9031  15   64   17 84239 93366

```

30 #### Frequency of variables in s10.healthmother

```

--- q10_c01 :
  1   2   3   4 Sum
4350 90   6   1 4447

--- q10_c02 :
  1   2   3   4   5   6   7   8   9   10  11  12  13  14 Sum
258 3374 453 162 69 45 36 26 8 9 2 2 1 2 4447

--- q10_c03 :
  2   3   4   5   6   7   8   9   10  11  12  13  14  15 <NA> Sum
23 800 1188 942 630 384 230 121 70 34 8 7 5 1 4 4447

--- q10_c04 :
  1   2   8 Sum
824 3618 5 4447

--- q10_c05 :
  1   2 <NA> Sum
87 3517 843 4447

--- q10_c06 :
  1   2   8 Sum
3796 642 9 4447

--- q10_c07 :
  1   2   8 Sum
1956 2383 108 4447

--- q10_c08 :
  1   2   8 Sum
3664 777 6 4447

--- q10_c09 :
  1   2   8 <NA> Sum
1282 2375 7 783 4447

--- q10_c10 :
  1   2   8 Sum
3789 647 11 4447

--- q10_c11 :
  1   2   3   4   5   6   7   8 <NA> Sum
536 801 1401 398 397 12 122 113 667 4447

--- q10_c12 :
  1   2   8 <NA> Sum
1248 838 24 2337 4447

--- q10_c13 :
  1   2   3   4   5 <NA> Sum
346 426 262 96 107 3210 4447

--- q10_c14 :
  1   2   3   4   5   6   7   8   9   10  11  12  13  14 <NA> Sum
2184 163 24 375 246 208 861 34 1 6 138 186 4 15 2 4447

--- q10_c15a :
  1   2   3   4   5   6   7 Sum
849 431 1843 1271 44 7 2 4447

--- q10_c15b :
  1   2   3   4   5   6   7 <NA> Sum
82 331 336 83 1182 15 10 2408 4447

--- q10_c15c :
  1   2   3   4   5   6 <NA> Sum
23 20 103 23 130 22 4126 4447

--- q10_c15d :
  1   5 <NA> Sum

```

```

    3   21 4423 4447
--- q10_c16 :
    1    2    8 Sum
2667 1728  52 4447
--- q10_c17 :
    1    2    8 Sum
2464 1927  56 4447

```

```
## 31 ##### Frequency of variables in s11.health2years #####
```

```

--- q11_c01 :
    1    2    4 Sum
2291  65    1 2357
--- q11_c02 :
    1    2    3    4    5    6    7    8    9   10   11   12   13   14 <NA> Sum
107 1692 281 102  55  29  22  17   6   6   1   2   1   2  34 2357
--- q11_c03 :
    2    3    4    5    6    7    8    9   10   11   12   13   14   15 <NA> Sum
  8  440 593 511 345 186 118  71  45  19   7   6   5   1   2 2357
--- q11_c04 :
    1    2 <NA> Sum
2318  36    3 2357
--- q11_c05 :
    1    2 <NA> Sum
2273  48    3 2357
--- q11_c07 :
    1    2 <NA> Sum
1889 384   84 2357
--- q11_c08a :
    1    2 <NA> Sum
 615 1658   84 2357
--- q11_c08b :
    1    2    8 <NA> Sum
1495 776    1  85 2357
--- q11_c09 :
    1    2    8 Sum
2192 159    6 2357
--- q11_c10 :
    1    2    3    4    5 <NA> Sum
 551 1295 167  29 150 165 2357
--- q11_c11 :
    1    2 <NA> Sum
1930 261 166 2357
--- q11_c12a :
    1    2 <NA> Sum
1886  45 426 2357
--- q11_c13a :
    1    2 <NA> Sum
1405 526 426 2357
--- q11_c14a :
    0    1    2    3    4 <NA> Sum
 137  425 271 872 226 426 2357
--- q11_c15a :
    1    2 <NA> Sum
 927 1003 427 2357

```

32 ##### Frequency of variables in s12.health5years

```

--- q12_c01 :
  1   2   3   4   5 Sum
4502 1029 76   8   2 5617
--- q12_c02 :
  2   3   4   5   6   7   8   9   10  11  12  13  14  15 Sum
 36 1196 1465 1128 753 465 272 155 82  37  13  9   5   1 5617
--- q12_c03 :
  1   2   3   8 Sum
3389 946 1276 6 5617
--- q12_c04 :
  1   2   8 <NA> Sum
4641 906 65   5 5617
--- q12_c06 :
  1   2   8 Sum
2793 2686 138 5617
--- q12_c07 :
  1   2   8 Sum
5349 261   7 5617
--- q12_c08 :
  1   2   8 Sum
939 4674 4 5617
--- q12_c09a :
  1   2   8 <NA> Sum
302 635 2 4678 5617
--- q12_c09b :
  1   2   8 <NA> Sum
564 373 2 4678 5617
--- q12_c12 :
  1   2 <NA> Sum
3425 2173 19 5617

```

33 ##### Frequency of variables in s13b.healthexpenses

```

--- q13bc01 :
  1   2   3   4   5   6   7   8   9   10  11  12  13  14  15
11966 11683 10745 8837 6190 3768 2014 1012 481  221  87  41  22  11  4
Sum
57082
--- q13bc02 :
  1   2 Sum
8344 48738 57082
--- q13bc03 :
  1   2 <NA> Sum
1674 6670 48738 57082
--- q13bc04 :
  1   2   3 <NA> Sum
1031 5896 1417 48738 57082
--- q13bc06 :
  1   2 <NA> Sum
959 72 56051 57082
--- q13bc07 :

```

0	1	2	3	4	5	Sum
55336	175	40	108	291	1132	57082

34 #### Frequency of variables in s14.disability

```

--- q14_c01 :
  1    2    3    4    5    6    7    8    9    10   11   12   13   14   15
11966 11683 10745 8837 6190 3768 2014 1012 481  221  87   41   22   11   4
Sum
57082
--- q14_c02a :
  0    1    2    3    4    5    6    7    8    9    Sum
53505 2218 311  110  607  136  107  24   27   37 57082
--- q14_c02b :
  0    1    2    3    4    5    6    7    8    9 <NA> Sum
15   49  371  59   221  78   65   25   8    5 56186 57082
--- q14_c02c :
  1    2    3    4    5    6    7    8    9 <NA> Sum
4    21   26   99   38   49   13   16   4 56812 57082
--- q14_c03a :
  1    2    3 <NA> Sum
1473 1523 581 53505 57082
--- q14_c03b :
  1    2    3 <NA> Sum
273  474 152 56183 57082
--- q14_c03c :
  1    2    3 <NA> Sum
82   118  71 56811 57082
--- q14_c04a :
  1    2    3    4    5    6    7    8    10   11   12   13   14   15   16
99   99  132  877  310  83   58   13   19   11   5   20   76   20   7
17   18   19   98 <NA> Sum
2  1559  144  43 53505 57082
--- q14_c04b :
  1    2    3    4    5    6    7    8    10   11   13   14   15   18   19
16   17   34  210  67   46   10   4    3    4   18   17   18  397  33
98 <NA> Sum
8 56180 57082
--- q14_c04c :
  1    2    3    4    5    6    10   13   14   15   18   19   98 <NA> Sum
1    6    8   43   32   13    1   11    6   10  122   10    7 56812 57082
--- q14_c05a :
  1    2    3    4    5    6 <NA> Sum
359  392  56 1916  388  466 53505 57082
--- q14_c05b :
  1    2    3    4    5    6 <NA> Sum
25   111  34  395  400  324 55793 57082
--- q14_c05c :
  1    2    3    4    5    6 <NA> Sum
6    65   13   72  119  309 56498 57082

```

35 #### Frequency of variables in s15.labor7days

```

--- q15_c01 :

```

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
11963	11645	9548	7371	5062	3015	1548	740	326	141	51	28	13	6	3
Sum														
51460														
--- q15_c02 :														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
15424	22573	5408	3450	2186	1265	617	312	116	59	23	11	10	5	1
Sum														
51460														
--- q15_c03 :														
1	2	Sum												
34926	16534	51460												
--- q15_c04 :														
1	2	<NA>	Sum											
276	16258	34926	51460											
--- q15_c07 :														
1	2	3	4	5	6	7	8	<NA>	Sum					
1444	87	31214	1939	16	424	60	13	16263	51460					
--- q15_c08 :														
1	2	3	4	5	<NA>	Sum								
8592	102	16205	10260	22	16279	51460								
--- q15_c11 :														
0	1	2	3	4	<NA>	Sum								
21355	10941	2481	376	26	16281	51460								
--- q15_c14 :														
1	2	3	4	5	6	7	8	<NA>	Sum					
53	11	13593	40	1	116	12	4	37630	51460					
--- q15_c15 :														
1	2	3	4	5	<NA>	Sum								
1141	20	8305	4357	7	37630	51460								
--- q15_c21 :														
1	2	3	<NA>	Sum										
581	2472	32146	16261	51460										
--- q15_c23 :														
1	2	<NA>	Sum											
2147	326	48987	51460											
--- q15_c24 :														
1	2	3	<NA>	Sum										
69	2322	82	48987	51460										
--- q15_c26 :														
1	2	<NA>	Sum											
135	16152	35173	51460											
--- q15_c27a :														
1	2	3	4	5	6	<NA>	Sum							
30	16	78	2	7	2	51325	51460							
--- q15_c27b :														
1	2	3	4	5	<NA>	Sum								
2	15	23	7	6	51407	51460								
--- q15_c27c :														
1	2	3	4	5	<NA>	Sum								
2	1	5	5	4	51443	51460								
--- q15_c28 :														
1	2	<NA>	Sum											
46	89	51325	51460											
--- q15_c31 :														
1	2	3	4	5	6	7	8	9	<NA>	Sum				

110 109 173 140 373 2968 9282 2841 157 35307 51460

36 ##### Frequency of variables in s16.labor12months

```

--- q16_c01 :
  1    2    3    4    5    6    7    8    9    10   11   12   13   14   15
11963 11645 9548 7371 5062 3015 1548 740 326 141 51 28 13 6 3
Sum
51460
--- q16_c02 :
  1    2    3    4    5    6    7    8    9 Sum
31675 1257 400 1692 12982 3250 144 36 24 51460
--- q16_c05 :
  1    2    3    4    5 <NA> Sum
7298 215 17214 8183 22 18528 51460
--- q16_c07 :
  1    2    3    4    5    6    7    8 <NA> Sum
1449 82 29004 2059 19 259 52 8 18528 51460
--- q16_c08 :
  1    2    3    4    5    6    7    8    9    10   11 <NA> Sum
25455 5966 2558 8973 70 2967 2283 714 1233 250 952 39 51460
--- q16_c09 :
  1    2    3    4 <NA> Sum
2531 39897 3201 285 5546 51460

```

37 ##### Frequency of variables in s17b.theft

```

--- q17bc01 :
  1    2    3 Sum
309 15 4 328
--- q17bc02 :
  1    2    3    4    5    6    7    9    98 Sum
168 46 22 7 3 5 1 1 75 328
--- q17bc03 :
  1    2    3    4    5    6    7    8    9    10   11   12 Sum
22 30 36 44 24 25 27 21 37 24 17 21 328
--- q17bc04 :
  1    2    3 Sum
210 108 10 328
--- q17bc05 :
  1    2 Sum
93 235 328
--- q17bc06 :
  1    2    3 <NA> Sum
48 44 1 235 328
--- q17bc07 :
  1    2 Sum
5 323 328

```

38 ##### Frequency of variables in s17c.accidents

```

--- q17cc01 :
  1    2    3    4 Sum

```



```

590 54 8 2 654
--- q17cc02 :
  1 2 3 4 5 6 7 8 9 Sum
231 114 139 89 33 28 8 7 5 654
--- q17cc03 :
  1 2 3 4 5 6 Sum
120 65 440 2 14 13 654
--- q17cc04 :
  1 2 3 4 5 6 7 8 9 10 11 12 Sum
67 67 77 94 58 45 50 35 39 42 31 49 654
--- q17cc05 :
  1 2 Sum
450 204 654
--- q17cc06 :
  1 2 3 4 5 Sum
277 200 77 91 9 654

```

41 #### Frequency of variables in s18.presenseinhh

```

--- q18_c01 :
  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
11963 11681 10743 8836 6190 3768 2014 1012 481 221 87 41 22 11 4
Sum
57074
--- q18_c02a :
  1 2 <NA> Sum
54580 2492 2 57074
--- q18_c02c :
  1 2 <NA> Sum
125 2367 54582 57074
--- q18_c03a :
  1 2 <NA> Sum
54409 2648 17 57074
--- q18_c03b :
  1 2 3 4 5 6 <NA> Sum
365 344 209 163 191 174 55628 57074
--- q18_c03c :
  1 2 <NA> Sum
184 2461 54429 57074
--- q18_c04a :
  1 2 <NA> Sum
54436 2627 11 57074
--- q18_c04b :
  1 2 3 4 5 6 <NA> Sum
318 315 236 234 219 141 55611 57074
--- q18_c04c :
  1 2 <NA> Sum
195 2433 54446 57074
--- q18_c05a :
  1 2 <NA> Sum
54813 2255 6 57074
--- q18_c05b :
  1 2 3 4 5 6 <NA> Sum
299 309 107 86 130 149 55994 57074
--- q18_c05c :

```

1	2	<NA>	Sum
85	2171	54818	57074

42 ##### Frequency of variables in s99.singlequestions

```

--- q01bq1 :
  1    2    Sum
8752 3219 11971
--- q03bq1 :
  1    2    Sum
3402 8569 11971
--- q05aq1a :
  1    2    Sum
829 11142 11971
--- q05aq1b :
  1    2    3    4    5    6    7 <NA>    Sum
310   85   73  154  121   29   57 11142 11971
--- q05aq2 :
  1    2    Sum
8510 3461 11971
--- q05aq3 :
  1    2    3    4    5    6    7    9 <NA>    Sum
3633 2919 1254 433  168   62   40   1  3461 11971
--- q05bq1 :
  1    2 <NA>    Sum
7799  711 3461 11971
--- q05dq1 :
  1    2 <NA>    Sum
5813 1992 4166 11971
--- q05eq1 :
  1    2    Sum
8435 3536 11971
--- q05fq1 :
  1    2    Sum
259 11712 11971
--- q05fq2 :
  1    2 <NA>    Sum
212  47 11712 11971
--- q05fq3 :
  1    2    Sum
6578 5393 11971
--- q05gq1 :
  1    2    Sum
8537 3434 11971
--- q05gq2 :
  1    2    Sum
5959 6012 11971
--- q05hq1 :
  1    2    Sum
4066 7905 11971
--- q06_q1 :
  1    2    Sum
4489 7482 11971
--- q08_q1 :
  1    2    Sum

```

```

11231 740 11971
--- q10_q1 :
  1 2 <NA> Sum
4387 7582 2 11971
--- q11_q1 :
  1 2 <NA> Sum
2297 9671 3 11971
--- q12_q1 :
  1 2 <NA> Sum
4498 7472 1 11971
--- q13aq1 :
  1 2 8 Sum
579 11391 1 11971
--- q13aq2a :
  1 2 3 4 5 6 7 8 <NA> Sum
334 149 10 63 3 14 5 1 11392 11971
--- q13aq2b :
  1 2 3 4 5 6 7 8 <NA> Sum
13 130 48 41 2 7 2 6 11722 11971
--- q13aq2c :
  1 2 3 4 5 6 7 8 <NA> Sum
12 15 54 56 12 21 1 8 11792 11971
--- q13aq3 :
  1 2 3 4 5 8 <NA> Sum
278 104 107 26 17 48 11391 11971
--- q13aq4 :
  1 2 8 <NA> Sum
189 11180 25 577 11971
--- q17aq1 :
  1 2 Sum
8082 3889 11971
--- q17aq2 :
  1 2 Sum
7366 4605 11971
--- q17bq1 :
  1 2 Sum
309 11662 11971
--- q17cq1 :
  1 2 Sum
592 11379 11971

```

```

#####
#####

```

5.3 Relationship among data files and identifiers

- The files of “09dy_expenditure” and “09dy_income” are micro data from the questionnaire of diary sheet, and will be discussed in Supplement 2.
- No. 10 and No. 11 seem to be the same, and the former (No. 10) will be discussed hereafter. Note that the record of hhid=“0100209” is missing.
- No. 39 and No. 40 seem to be the same, and the latter (No. 40) will be discussed hereafter.
- Each data file has identification variables. The common variables are as follows.

Example of “s01a.hhmembers”

Variable	Description	Type	Remarks
hhid	Household identifier	int	100101 - 2400320
persid	Person identifier	int	100101 - 240032005
province		int	1 - 24
urbanrural		int	1: urban, 2: rural
weight	Household weight	num	45.06 – 591.08
hhsz	Household size	int	1 - 15
weight3	= weight x hhsz	num	
psu		int	1001 - 24003
stratum		int	11 - 242
surveymonth		int	1 - 12
region		int	1 - 3
year		int	2009
persid_string	persid in character	chr	9 digits
hhid_string	hhid in character	chr	7 digits

- Object “dxx” sometimes denotes the file outfiles[[xx]], that is, the No. xx file in this manual.

```
> d03<-outfiles[[3]]
```

- The number of sample households is 11,971.

```
> length(unique(d03$hhid))
[1] 11971
```

- The number of sample household members is 57,105.

```
> nrow(d03)
[1] 57105
> length(unique(d03$persid))
[1] 57105
```

- The variable of weight3 is defined as the next;
weight3 = weight x hhsiz

```
> table(abs(d03$weight*d03$hhsiz-d03$weight3)<1)
TRUE
57105
```

Note: Person weight is defined differently.

- hhid is equal to persid excluding the last 2 digits.

```
> table(d03$hhid==floor(d03$persid/100))
TRUE
57105
```

- psu is equal to hhid excluding the last 2 digits.

```
> table(d03$psu==floor(d03$hhid/100))
TRUE
57105
```

- province is equal to psu excluding the last 3 digits.

```
> table(d03$province==floor(d03$psu/1000))
TRUE
57105
```

- The identifier of household-level data file is “hhid”, consisted of psu and household number.
- The identifier of individual-level data file is “persid”, consisted of hhid and person number.

5.4 Weight

- There are two kind of weights: household weight and person weight. However, the detailed description on calculating weights is not found in the survey report.

Household weight

- The variable of household weight is found in the name of “weight” in d01 to d44 files, and “weighthh” in d45 file.

```
> d43<-outfiles[[43]]
> d44<-outfiles[[44]]
> d45<-outfiles[[45]]
> table(d45$weighthh==d43$weight)
TRUE
11971
```

- The sum of household weights in a household-level file is 2,938,650; the estimated number of households, which is consistent with the figures in the survey report.

```
> sum(d43$weight)
[1] 2938650
```

- **Household weights are unique within PSU.**

```
> table(tapply(d43$weight, d43$psu, function(x) length(unique(x))))
1
720
```

Remarks:

- The variable “weight3” in d01 to d44 is defined as weight multiplied by hhsize.

```
> table(abs(d03$weight*d03$hhsize-d03$weight3)<1)
TRUE
57105
```

- The sum of weight in a individual-level file is equal to the sum of weight3 in a household-level file.

```
> sum(d44$weight)
[1] 14044311
> sum(d43$weight3)
[1] 14044311
```

- This figure is not equal to the estimated household members in the survey report; 13,966,718.

Person weight

- The variable of person weight is found in the name of “weighthpers” in d45. However, it is given at household-level.

```
> sum(d44$weight)
[1] 14044311
> sum(d43$weight3)
[1] 14044311
```

- The variable of individual-level person weight is not found in the data set used here. So, the person weight data file “persweight.dta” provided earlier is added.

```
> persweight<-read.dta("persweight.dta", convert.factors=F)
> dim(persweight)
[1] 57105      3
> head(persweight)
      hhid   persid persweight
1 0100101 010010101   299.1656
2 0100101 010010102   267.6359
3 0100101 010010103   267.6359
4 0100101 010010104   267.6359
5 0100101 010010105   299.1656
6 0100102 010010201   299.1656
> sum(persweight$persweight)
[1] 13966718
> wt<-persweight
> hhwt<-tapply(wt$persweight, wt$hhid, sum)
> length(hhwt)
```

```
[1] 11971
```

```
> table(abs(hhwt-d45$weighthhpers)<1)
```

```
TRUE
```

```
11971
```

- The individual-level variable “persweight” is confirmed to be compatible with the household-level-variable “weighthhpers” in d45.
- The individual-level variable “persweight” is appended to d44, “weightpersons”.

```
> table(as.integer(persweight$persid)==d44$persid)
```

```
TRUE
```

```
57105
```

```
> d44$persweight<-persweight$persweight
```

```
> head(d44)
```

	hhid	persid	province	urbanrural	weight	hhsz	weight3	psu	stratum
1	100101	10010101	1	1	266.1367	5	1330.683	1001	11
2	100101	10010102	1	1	266.1367	5	1330.683	1001	11
3	100101	10010103	1	1	266.1367	5	1330.683	1001	11
4	100101	10010104	1	1	266.1367	5	1330.683	1001	11
5	100101	10010105	1	1	266.1367	5	1330.683	1001	11
6	100102	10010201	1	1	266.1367	4	1064.547	1001	11

	surveymonth	region	year	persweight
1	1	2	2009	299.1656
2	1	2	2009	267.6359
3	1	2	2009	267.6359
4	1	2	2009	267.6359
5	1	2	2009	299.1656
6	1	2	2009	299.1656

- **Person weight has at most two values within the household.**

```
> table(tapply(d44$persweight, d44$hhid, function(x) length(unique(x))))
```

```
1 2
```

```
713 11258
```


- **Person weight is defined by hhid and sex.**

```
# outfiles[[3]]: S01A. hhmembers
# q01ac03: sex
> table(d03$persid==d44$persid)
TRUE
57105
> t<-tapply(d44$persweight, list(d03$hhid, d03$q01ac03), function(x) length(unique(x)))
> table(t)
t
  1
23229
```

- **Estimated population size and number of households**

Using the weights, the population size is estimated to 13,966,718, and the number of households is estimated to 2,938,650, which coincide with the survey report.

Basic statistics

Item	Value	R scripts	Survey report
Un-weighted number of household	11,971	> nrow(d43) [1] 11971	11,971 (NADA)
Weighted number of household	2,938,650	> sum(d43\$weight) [1] 2938650	2,938,650
Un-weighted number of household members	57,105	> nrow(d44) [1] 57105	
Weighted number of household members	13,966,718	> sum(d44\$persweight) [1] 13966718	13,966,718
Household size	4.75	> sum(d44\$persweight)/sum(d43\$weight) [1] 4.752766	

Note: Method of computing person weight

- Analysed the relationship between household weight and person weight. It lead to the following story (hypothesis).

Individual-level data frame d44 includes household weight and person weight.

Individual-level data frame d03 include psu and sex.

Compared the ratio between person weight and household weight by psu and sex.

```
> table(tapply(d44$persweight,list(d03$psu,d03$q01ac03),function(x) length(unique(x))))
```

```
1
```

```
1440
```

```
> table(tapply(d44$persweight/d44$weight,list(d03$psu,d03$q01ac03),function(x) length(unique(x))))
```

```
1
```

```
1440
```

- **The above indicates that person weights are unique within a combination of psu and sex, as well as, the ratios between person weight and household weight are constant within a combination of psu and sex.**

- Story (hypothesis)

1) Household weight is calculated by using the projection of total population and the sum of hhsizes.

2) In each psu, the above weights for male and female are adjusted so that the sum of weights for male and female coincide with the projection of male population and female population respectively.

#####

- The delegates from Cambodia to the seventh international workshop in December 2015 clarified as follows;

“CSES is used the two kinds of weight to avoid the bias for population estimation. For example if you want to estimate the population (person level) the person weight should be used otherwise the household weight should be used for household level for estimation.”

“Sum of household weights is for the estimated number of households and Sum of person weights is for the estimated number of persons.”

When merging household data and person data,

“You need to check the data after merging the household data and person data whether that is the household level or person level: If that is the household level the household weights should be used but if that is the person level the person weights should be used.”

5.5 Sample allocation

The sampling frame of villages was stratified by province and urban/rural. There are 24 provinces and each village is classified as either urban or rural. The sample size of PSU is 720 villages (or ESs).

The sample allocation to strata is as follows.

```
# Urban/rural is defined by psu
```

```
> table(tapply(d43$urbanrural, d43$psu, function(x) length(unique(x))))
```

```
1
```

```
720
```

```
# Number of psu by province and urban/rural
```

```
> t<-tapply(d43$psu, list(d43$province, d43$urbanrural), function(x) length(unique(x)))
```

```
> length(t)
```

```
[1] 48
```

```
> m<-matrix(t, nrow=24)
```

```
> colnames(m)<-c("Urban", "Rural")
```

```
> rownames(m)<-formatC(1:24, width=2, flag="0")
```

```
> addmargins(m)
```

	Urban	Rural	Sum
01	18	23	41
02	20	34	54
03	14	75	89
04	4	20	24
05	4	28	32
06	4	26	30
07	4	24	28
08	16	46	62
09	4	4	8
10	4	12	16
11	2	1	3
12	106	3	109
13	2	5	7
14	4	48	52
15	2	17	19
16	2	5	7
17	12	28	40

18	6	5	11
19	2	5	7
20	2	25	27
21	2	37	39
22	2	7	9
23	2	1	3
24	2	1	3
Sum	240	480	720

- The above table is the same as Table 11.1 at page 128 of the survey report.

Fig. Cambodia Province Map



Remarks: Village and psu

At the first stage of sampling, a sample of villages was selected using PPS.

At the second stage, one EA was selected in each village.

However, in a few large villages more than one EA were selected.

Note: This part is analysed using data frame of “areainformation” provided previously.

```
> d<-areainfo
```

```
# Generated village identifier “vid”
```

```
> d[“vid”]<-paste(d$province, d$district, d$commune, d$village, sep=“-”)
```

```
> head(d[c(1, 2, 4, 6, 8, 17)])
```

	psu	province	district	commune	village	vid
1	01001	01	02	09	03	01-02-09-03
2	01002	01	02	09	11	01-02-09-11
3	01003	01	02	09	17	01-02-09-17
4	01004	01	05	08	01	01-05-08-01
5	01005	01	05	08	01	01-05-08-01
6	01006	01	05	08	01	01-05-08-01

```
# Number of sample villages by province and urban/rural
```

```
> t<-tapply(d$vid, list(d$province, d$urbanrur), function(x) length(unique(x)))
```

```
> colnames(t)<-c(“Urban”, “Rural”)
```

```
> addmargins(t)
```

	Urban	Rural	Sum
01	14	23	37
02	20	34	54
03	14	75	89
04	4	20	24
05	4	28	32
06	4	26	30
07	4	24	28
08	16	46	62
09	4	4	8
10	4	12	16

11	2	1	3
12	105	3	108
13	2	5	7
14	4	48	52
15	2	17	19
16	2	5	7
17	12	28	40
18	6	5	11
19	2	5	7
20	2	25	27
21	2	37	39
22	2	7	9
23	2	1	3
24	2	1	3
Sum	235	480	715

- In urban of province 01 (Banteay Meanchey), 18 EAs were selected in 14 villages, and in urban of province 12 (PhnomPenh), 106 EAs were selected in 105 villages.

Number of villages by number of EAs within the village

```
> table(tapply(d$psu, d$vid, length))
```

```
1 2 3
712 1 2
```

List of sample villages with more than one EA

```
> t<-tapply(d$psu, d$vid, length)
```

```
> t[t>=2]
```

```
01-05-08-01 01-05-08-02 12-07-02-02
           3           3           2
```

```
> (vid.dup<-names(t[t>=2]))
```

```
[1] "01-05-08-01" "01-05-08-02" "12-07-02-02"
```

```
> d[is.element(d$vid, vid.dup), ]
```

	psu	province	v3_a	district	v5_a	commune	v7_a	village
4	01004	01	Banteay Meanchey	05	Ou Chrov	08	Paoy Paet	01
5	01005	01	Banteay Meanchey	05	Ou Chrov	08	Paoy Paet	01
6	01006	01	Banteay Meanchey	05	Ou Chrov	08	Paoy Paet	01

7	01007	01 Banteay Meanchey	05	Ou Chrov	08	Paoy Paet	02
8	01008	01 Banteay Meanchey	05	Ou Chrov	08	Paoy Paet	02
9	01009	01 Banteay Meanchey	05	Ou Chrov	08	Paoy Paet	02
472	12085	12 Phnom Penh	07	Ruessei Kaev	02	Tuol Sangkae	02
473	12086	12 Phnom Penh	07	Ruessei Kaev	02	Tuol Sangkae	02
v9_a enum_are selected urbanrur househol surveymo v15_a v16_a vid							
4	Kbal Spean	67	14	1	6732	7 6173	72 01-05-08-01
5	Kbal Spean	67	60	1	6732	7 6173	83 01-05-08-01
6	Kbal Spean	67	18	1	6732	10 6178	24 01-05-08-01
7	Baliley	46	37	1	4634	10 120	93 01-05-08-02
8	Baliley	46	8	1	4634	11 4634	12 01-05-08-02
9	Baliley	46	2	1	4634	11 4634	45 01-05-08-02
472	Phum Tuol Sangkae	29	15	1	2657	3 4372	100 12-07-02-02
473	Phum Tuol Sangkae	29	8	1	2657	6 4372	91 12-07-02-02

- “Kbal Spean” village and “Baliley” village in “Banteay Meanchey” province have three EAs respectively, and “Phum Tuol Sangkae” village in “Phnom Penh” province has two EAs.

● Survey month

The annual sample was divided into 12 monthly samples of equal sizes. The monthly samples consisted of 20 urban and 40 rural villages.

Number of psu by survey month and urban/rural

```
> t<-tapply(d43$psu, list(d43$urbanrural, d43$surveymonth), function(x) length(unique(x)))
> length(t)
[1] 24
> m<-matrix(t, nrow=2)
> rownames(m)<-c("Urban", "Rural")
> colnames(m)<-1:12
> addmargins(m)

   1  2  3  4  5  6  7  8  9 10 11 12 Sum
Urban 20 20 20 20 20 20 20 20 20 20 20 20 240
Rural 40 40 40 40 40 40 40 40 40 40 40 40 480
Sum   60 60 60 60 60 60 60 60 60 60 60 60 720
```


- At the third stage of sampling, a sample of households was selected in each selected EA. The number of sample households in one EA is 10 in urban, and 20 in rural. In total 12,000 households were selected.
CSES 2009 enjoyed almost a 100 percent response rate.

```
> nrow(d43)/12000*100
```

```
[1] 99.75833
```

```
# Number of EAs by number of responded households within the EA and urban/rural
```

```
> by(d43, d43$urbanrural, function(df) table(tapply(df$hhid, df$psu, length)))
```

```
d43$urbanrural: 1
```

```
8 9 10
```

```
1 13 226
```

```
-----
```

```
d43$urbanrural: 2
```

```
18 19 20
```

```
2 10 468
```

```
# Number of responded households by province and urban/rural
```

```
> t<-table(d43$province, d43$urbanrural)
```

```
> colnames(t)<-c("Urban", "Rural")
```

```
> rownames(t)<-formatC(1:24, width=2, flag="0")
```

```
> addmargins(t)
```

	Urban	Rural	Sum
01	178	459	637
02	197	676	873
03	140	1499	1639
04	40	400	440
05	40	559	599
06	40	520	560
07	40	479	519
08	159	917	1076
09	40	80	120

10	40	240	280	
11	19	20	39	
12	1053	60	1113	<-Phnom Pen
13	20	100	120	
14	40	960	1000	
15	20	340	360	
16	20	100	120	
17	120	560	680	
18	59	100	159	
19	20	99	119	
20	20	500	520	
21	20	738	758	
22	20	140	160	
23	20	20	40	
24	20	20	40	
Sum	2385	9586	11971	

Remarks: **Region**

NIS often uses three regions; “Phnom Pen”(including urban and rural), “Other urban” and “Other rural” in a table.

Number of sample households by three regions

```
> t<-table(d43$region)
> names(t)<-c("Phnom Pen", "Other urban", "Other rural")
> addmargins(t)
```

Phnom Pen	Other urban	Other rural	Sum
1113	1332	9526	11971

5.6 Integrity check of household identifier “hhid”

HHID: a set of hhid in weighthouseholds
 # Each value of hhid in every data file should be an element of HHID.
 # If not, it will be an isolated hhid.

Number of isolated hhid in each data frame

```
> HHID<-d43$hhid
> for(j in 1:45){
+ cat(formatC(j,width=2,flag="0"),":",sum(!is.element(outfiles[[j]]$hhid,HHID)),
+ ":",length(setdiff(outfiles[[j]]$hhid,HHID)),":",Rnames[j],"\\n")
+ }
01 : 0 : 0 : 09dy.expenditure
02 : 0 : 0 : 09dy.income
03 : 0 : 0 : s01a.hhmembers
04 : 0 : 0 : s01b.foodconsumption
05 : 0 : 0 : s01c.nonfoodexpenses
06 : 0 : 0 : s01d.vulnerability
07 : 0 : 0 : s02.education
08 : 0 : 0 : s03a.migration.past
09 : 0 : 0 : s03b.migration.current
10 : 0 : 0 : s04.housing
11 : 1 : 1 : s04.housingpractice
12 : 0 : 0 : s05a.landown
13 : 0 : 0 : s05b.cropsproduction
14 : 0 : 0 : s05c.costcrops
15 : 0 : 0 : s05d.cropsinventory
16 : 0 : 0 : s05e1.animals
17 : 0 : 0 : s05e2.animalsexpenditures
18 : 0 : 0 : s05f1.fisharea
19 : 0 : 0 : s05f2.fishexpenses
20 : 0 : 0 : s05f3.fishincome
21 : 0 : 0 : s05g1.forestincome
22 : 0 : 0 : s05g2.forestexpenses
23 : 0 : 0 : s05h1.bussiness
24 : 0 : 0 : s05h2.bussinessexpenses
25 : 0 : 0 : s05h3.bussinessincome
26 : 0 : 0 : s06.liabilities
27 : 0 : 0 : s07.incomeother
28 : 0 : 0 : s08.construction
29 : 0 : 0 : s09.durables
30 : 0 : 0 : s10.healthmother
31 : 0 : 0 : s11.health2years
32 : 0 : 0 : s12.health5years
33 : 0 : 0 : s13b.healthexpenses
34 : 0 : 0 : s14.disability
35 : 0 : 0 : s15.labor7days
36 : 0 : 0 : s16.labor12months
37 : 0 : 0 : s17b.theft
38 : 0 : 0 : s17c.accidents
39 : 0 : 0 : s17d.violance
40 : 0 : 0 : s17d.violence
41 : 0 : 0 : s18.presenseinhh
42 : 0 : 0 : s99.singlequestions
```

```

43 : 0 : 0 : weighthh
44 : 0 : 0 : weightpersons
45 : 0 : 0 : IncomeCSES09

```

S04.housingpractice

✧ The isolated hhid in S04.housingpractice which has no counterpart in HHID is 100209.

```

> setdiff(d11$hhid, HHID)
[1] 100209

```

✧ On the other, the missing hhid in S004.hhhousingpractice is 100309.

```

> setdiff(HHID, d11$hhid)
[1] 100309

```

```

> HHID[11:30]
[1] 100201 100202 100203 100204 100205 100206 100207 100208
[9] 100210 100301 100302 100303 100304 100305 100306 100307
[17] 100308 100309 100310 100401

```

```

> d11$hhid[11:30]
[1] 100201 100202 100203 100204 100205 100206 100207 100208
[9] 100209 100210 100301 100302 100303 100304 100305 100306
[17] 100307 100308 100310 100401

```

Summary:

The value 0100209 of hhid in S04.housingpractice should be read as 100309.

- For this point, the delegates from Cambodia to the seventh workshop clarified; “0100208”, “0100209” and “0100210” are household identification so they are different households.

5.7 Integrity check of individual identifier “persid”

```
# PID: a set of persid in d44
# Each value of persid in every individual-level data file should be an element of PID.
# If not, it will be an isolated persid.
# fileno: Numbers of individual-level data files

# Number of isolated persid in each data frame
> fileno<-c(3, 7:9, 30:41)
> PID<-d44$persid
> length(PID)
[1] 57105
> head(PID)
[1] 10010101 10010102 10010103 10010104 10010105 10010201
> for(j in fileno){
+ cat(formatC(j,width=2,flag="0"),":",sum(!is.element(outfiles[[j]]$persid,PID)),
+ ":",length(setdiff(outfiles[[j]]$persid,PID)),":",Rnames[j],"¥n")
+ }
03 : 0 : 0 : s01a.hhmembers
07 : 0 : 0 : s02.education
08 : 0 : 0 : s03a.migration.past
09 : 8049 : 8049 : s03b.migration.current
30 : 1 : 1 : s10.healthmother
31 : 3 : 2 : s11.health2years
32 : 2 : 2 : s12.health5years
33 : 0 : 0 : s13b.healthexpenses
34 : 0 : 0 : s14.disability
35 : 0 : 0 : s15.labor7days
36 : 0 : 0 : s16.labor12months
37 : 75 : 70 : s17b.theft
38 : 0 : 0 : s17c.accidents
39 : 57074 : 25 : s17d.violence
40 : 0 : 0 : s17d.violence
41 : 0 : 0 : s18.presenseinhh
```

S03B. migration.current

No problem, because persons in this data file are not household members. Person number (q03bc01) is defined as 31 and over.

```
> d<-outfiles[[9]]
> table(d$q03bc01)
 31  32  33  34  35  36  37  38  39  40  41
3400 2077 1194 673 368 190 88 36 15 7 1
```

S10.healthmother

```
> d<-outfiles[[30]]
> setdiff(d$persid,PID)
[1] 40131207
> d[d$persid==40131207,]
      hhid  persid province urbanrural weight hhsz weight3
1261 401312 40131207      NA      NA      NA      NA      NA
      psu stratum surveymonth region year persid_string
1261  NA      NA      NA      NA      NA      040131207
```

```

      hhid_string q10_c01 q10_c02 q10_c03 q10_c04 q10_c05 q10_c06
1261      0401312      1      7      10      2      2      1
      q10_c07 q10_c08 q10_c09 q10_c10 q10_c11 q10_c12 q10_c13
1261      1      1      2      1      8      1      3
      q10_c14 q10_c15a q10_c15b q10_c15c q10_c15d q10_c16 q10_c17
1261      1      3      5      NA      NA      1      1

> d03[d03$hhid==401312,]
      hhid persid province urbanrural weight hhsz
15913 401312 40131201      4      2 252.7299      3
15914 401312 40131202      4      2 252.7299      3
15915 401312 40131203      4      2 252.7299      3
      weight3 psu stratum surveymonth region year persid_string
15913 758.1897 4013      42      11      3 2009      040131201
15914 758.1897 4013      42      11      3 2009      040131202
15915 758.1897 4013      42      11      3 2009      040131203
      hhid_string q01ac01 q01ac03 q01ac04a q01ac04b q01ac04c
15913      0401312      1      1      6      1      1963
15914      0401312      2      2      29      4      1965
15915      0401312      3      1      6      2      1999
      q01ac05 q01ac06 q01ac07 q01ac08 q01ac09 q01ac10 q01ac11a
15913      46      1      NA      NA      1      2      2
15914      44      2      NA      NA      1      1      2
15915      10      8      NA      NA      NA      NA      2
      q01ac11b q01ac12a q01ac12b q01ac12c q01ac13 q01ac14
15913      1      7      NA      NA      1      NA
15914      1      7      NA      NA      1      NA
15915      1      7      NA      NA      1      NA

```

Summary

According to the description of the questionnaire, the record of S10.healthmother is a woman living in the household with living children under 5 years old. However, the household roster with hhid=401312 does not satisfy such condition.

Possible cause of isolated persid might be an error of 40131207. But there is no way to find the correct persid for researchers outside NIS.

S11. personhealthu2

```

# q11_c02: ID of the mother
# q11_c03: ID of the child
# perseid = hhid + q11_c03
> d<-outfiles[[31]]
> setdiff(d$persid,PID)
[1]      NA 150061106

```

➤ The values of q11_c03 (child ID) are missing in two cases; hhid=1300517 and 2101009.

```

> table(is.na(d$q11_c03))
FALSE TRUE
2355      2
> d[is.na(d$q11_c03), "hhid"]

```

[1] 1300517 2101009

```
> Household members in hhid=1300517
> d03[d03$hhid==1300517,]
      hhid   persid province urbanrural   weight hhsz
38445 1300517 130051701      13          2 286.1398    4
38446 1300517 130051702      13          2 286.1398    4
38447 1300517 130051703      13          2 286.1398    4
38448 1300517 130051704      13          2 286.1398    4
      weight3   psu stratum surveymonth region year
38445 1144.559 13005     132           3      3 2009
38446 1144.559 13005     132           3      3 2009
38447 1144.559 13005     132           3      3 2009
38448 1144.559 13005     132           3      3 2009
      persid_string hhid_string q01ac01 q01ac03 q01ac04a q01ac04b
38445      130051701      1300517      1      1      5      7
38446      130051702      1300517      2      2      3      6
38447      130051703      1300517      3      2      1      2
38448      130051704      1300517      4      1      3      4
      q01ac04c q01ac05 q01ac06 q01ac07 q01ac08 q01ac09 q01ac10
38445      1975      33      1      NA      NA      1      2
38446      1983      25      2      NA      NA      1      1
38447      2005      4      3      1      2      NA      NA
38448      2008      1      3      1      2      NA      NA
      q01ac11a q01ac11b q01ac12a q01ac12b q01ac12c q01ac13
38445      1      1      0      NA      NA      1
38446      1      1      0      NA      NA      1
38447      1      1      0      NA      NA      1
38448      1      1      0      NA      NA      1
      q01ac14
38445      NA
38446      NA
38447      NA
38448      NA
```

```
> Household members in hhid=2101009
> d03[d03$hhid==2101009,]
      hhid   persid province urbanrural   weight hhsz
53154 2101009 210100901      21          2 250.4301    7
53155 2101009 210100902      21          2 250.4301    7
53156 2101009 210100903      21          2 250.4301    7
53157 2101009 210100904      21          2 250.4301    7
53158 2101009 210100905      21          2 250.4301    7
53159 2101009 210100906      21          2 250.4301    7
53160 2101009 210100907      21          2 250.4301    7
      weight3   psu stratum surveymonth region year
53154 1753.011 21010     212          11      3 2009
53155 1753.011 21010     212          11      3 2009
53156 1753.011 21010     212          11      3 2009
53157 1753.011 21010     212          11      3 2009
53158 1753.011 21010     212          11      3 2009
53159 1753.011 21010     212          11      3 2009
53160 1753.011 21010     212          11      3 2009
      persid_string hhid_string q01ac01 q01ac03 q01ac04a q01ac04b
53154      210100901      2101009      1      1      12      3
53155      210100902      2101009      2      2      8      9
```

53156	210100903	2101009	3	2	9	9
53157	210100904	2101009	4	2	29	2
53158	210100905	2101009	5	2	8	10
53159	210100906	2101009	6	1	11	6
53160	210100907	2101009	7	1	30	6
q01ac04c q01ac05 q01ac06 q01ac07 q01ac08 q01ac09 q01ac10						
53154	1966	43	1	NA	NA	1 2
53155	1969	40	2	NA	NA	1 1
53156	1991	18	3	1	2	4 NA
53157	1993	16	3	1	2	4 NA
53158	1996	13	3	1	2	4 NA
53159	1997	12	3	1	2	NA NA
53160	2009	0	3	1	2	NA NA
q01ac11a q01ac11b q01ac12a q01ac12b q01ac12c q01ac13						
53154	1	1	0	NA	NA	1
53155	1	1	0	NA	NA	1
53156	1	1	0	NA	NA	2
53157	1	1	0	NA	NA	1
53158	1	1	0	NA	NA	1
53159	1	1	0	NA	NA	1
53160	1	1	0	NA	NA	1
q01ac14						
53154	NA					
53155	NA					
53156	49					
53157	NA					
53158	NA					
53159	NA					
53160	NA					

```

> Household members in hhid=1500611
> d03[d03$hhid==1500611,]
      hhid  persid province urbanrural  weight hhsz
43535 1500611 150061101      15      2 261.0462  3
43536 1500611 150061102      15      2 261.0462  3
43537 1500611 150061103      15      2 261.0462  3
      weight3  psu stratum surveymonth region year
43535 783.1385 15006      152      7      3 2009
43536 783.1385 15006      152      7      3 2009
43537 783.1385 15006      152      7      3 2009
      persid_string hhid_string q01ac01 q01ac03 q01ac04a q01ac04b
43535 150061101 1500611      1      1      14      1
43536 150061102 1500611      2      2      5      6
43537 150061103 1500611      3      1     23      4
      q01ac04c q01ac05 q01ac06 q01ac07 q01ac08 q01ac09 q01ac10
43535 1986      23      1      NA      NA      4      NA
43536 1988      21      7      NA      NA      4      NA
43537 1989      20      7      NA      NA      4      NA
      q01ac11a q01ac11b q01ac12a q01ac12b q01ac12c q01ac13
43535 1      1      0      NA      NA      1
43536 1      1      0      NA      NA      1
43537 1      1      0      NA      NA      1
      q01ac14
43535 NA
43536 NA
43537 NA

```


- The household consists of three siblings. The value 150061106 of persid might be mistaken, but there is no way to find the correct persid for researchers outside NIS.

Summary

Revision of S11.health2years

hhid	Error	Revision
1300517	q11_c03=NA	4
	persid= blank	130051704
2101009	q11_c03=NA	7
	persid= blank	210100907
1500611	hhid=1500611	Unknown
	persid= 150061101	Unknown

S12.health5years

```
# q12_c02: ID of the child
# perseid = hhid + q11_c02
> d<-outfiles[[32]]
> setdiff(d$persid,PID)
[1] 40131210 150061106
```

```
> Household members in hhid=401312
> d03[d03$hhid==401312,]
      hhid  persid province urbanrural  weight hhsz
15913 401312 40131201      4          2 252.7299  3
15914 401312 40131202      4          2 252.7299  3
15915 401312 40131203      4          2 252.7299  3
      weight3  psu stratum surveymonth region year persid_string
15913 758.1897 4013      42          11      3 2009      040131201
15914 758.1897 4013      42          11      3 2009      040131202
15915 758.1897 4013      42          11      3 2009      040131203
      hhid_string q01ac01 q01ac03 q01ac04a q01ac04b q01ac04c
15913      0401312      1      1      6      1      1963
15914      0401312      2      2      29      4      1965
15915      0401312      3      1      6      2      1999
      q01ac05 q01ac06 q01ac07 q01ac08 q01ac09 q01ac10 q01ac11a
15913      46      1      NA      NA      1      2      2
15914      44      2      NA      NA      1      1      2
15915      10      8      NA      NA      NA      NA      2
      q01ac11b q01ac12a q01ac12b q01ac12c q01ac13 q01ac14
15913      1      7      NA      NA      1      NA
15914      1      7      NA      NA      1      NA
15915      1      7      NA      NA      1      NA
```

- The household with hhid=401312 does not have a child under five years old.

```

➤ Household members in hhid= 1500611
> d03[d03$hhid== 1500611,]
      hhid      persid province urbanrural   weight hhsz
43535 1500611 150061101      15          2 261.0462    3
43536 1500611 150061102      15          2 261.0462    3
43537 1500611 150061103      15          2 261.0462    3
      weight3   psu stratum surveymonth region year
43535 783.1385 15006      152          7     3 2009
43536 783.1385 15006      152          7     3 2009
43537 783.1385 15006      152          7     3 2009
      persid_string hhid_string q01ac01 q01ac03 q01ac04a q01ac04b
43535      150061101      1500611      1      1      14      1
43536      150061102      1500611      2      2       5      6
43537      150061103      1500611      3      1      23      4
      q01ac04c q01ac05 q01ac06 q01ac07 q01ac08 q01ac09 q01ac10
43535      1986      23      1      NA      NA      4      NA
43536      1988      21      7      NA      NA      4      NA
43537      1989      20      7      NA      NA      4      NA
      q01ac11a q01ac11b q01ac12a q01ac12b q01ac12c q01ac13
43535      1      1      0      NA      NA      1
43536      1      1      0      NA      NA      1
43537      1      1      0      NA      NA      1
      q01ac14
43535      NA
43536      NA
43537      NA

```

- The household with hhid="1500611" does not have a child under five years old.

S17B. persontheft

```

# outfiles[[37]]: S17B.persontheft
# q17bc02: ID of the person exposed to theft.
#      If no specific person enter 88
> d<-outfiles[[37]]
> table(d$q17bc02, useNA="ifany")
  1  2  3  4  5  6  7  9 98
168 46 22  7  3  5  1  1 75

```

Summary:

No problem because q17bc02 = 98 is allowed.

s17d.violance

This data frame is not used. Instead, s17d.violence will be used.

Chapter 6. Household Expenditure

Background

CSES data has been collected by interviewers (NIS officials) using both recall and diary methods. There are some descriptions on how to use the data in the survey report as below.

Page	Related description in the survey report
6	Expenditure: the household expenditure in Cambodia 2009 was calculated using recall data from the household questionnaire.
104	Consumption data in the 2009 survey was collected using recall questions in the household questionnaire. Consumption data was also collected in a Diary where all expenditure transactions and consumption of own produced goods during the survey month were reported. <u>The diary method</u> was introduced in CSES 2004. For calculating poverty estimates the recall data was used all years. However, for 2004 poverty estimates were calculated using both methods. The most recent presentation of Poverty Estimates was carried out by the World Bank.
104	The result presented in this chapter is compiled from recall data. The household questionnaire had two sets of questions, one for food expenditure/consumption and the second set for non-food expenditure. The questionnaire was designed to collect data on purchase in cash, consumption of own production, consumption of items received as wages in kind. It also included gifts, free collection and barter, and in kind expenditure. <u>The food section</u> comprised <u>20 items</u> covering all food, including alcoholic, tobacco, and food taken away from home, prepared meals bought outside and eaten at home. <u>The non-food section</u> embraced <u>13 items</u> covering all non-food expenditure except housing. <u>Expenditure on housing</u> was collected in the Housing module. <u>The reference period</u> for food items was the last seven days. For non-food items the reference period varied from last month to last 12 month (see the Questionnaire in appendix 8).
105	In this report <u>the monthly consumption</u> is calculated. The consumption concept used in this report differ from the calculation of consumption for poverty estimates where adjustments for price differences, rental values etc. is done, see section Definition and World Bank report.
107 - 108	The grouping of items follows the questionnaire, except for domestic salaries and gambling. <u>Domestic salaries are included in Furniture, household operation etc.</u> <u>Gambling is excluded</u> to be consistent with the income concept where income from Gambling and lotteries is excluded in total income. For “Housing” charges on water, sewage, wastewater disposal, garbage collection and fuel

	<p>for lighting and cooking are included as well as paid rent. For owner occupied houses the household was asked to estimate the value for rent of a similar house. Expenditure spent on maintenance and minor repairs is also included. All this data are collected in the Housing module.</p> <p><u>Food share</u> are calculated as the share of total consumption. <u>Food includes all food items, non-alcoholic and alcoholic beverages.</u></p>
Table	<p>Classification of consumption composition used in tables is as below;</p> <ul style="list-style-type: none"> Food and non-alcoholic beverages Alcohol and tobacco Clothing and footwear Housing, water, electricity Furnishing etc Health Transportation Communication Recreation and culture Education Miscellaneous goods Total

6.1 FOOD ITEMS

□ Created household-level data frame consisted of vectors of food items.

```
# outfiles[[4]]: S01B. foodconsumption
# q01bc01: Item number (01 to 20)
# q01bc05: Total consumption in the last 7 days
> d<-outfiles[[4]]
> df<-tapply(d$q01bc05, list(d$hhid, d$q01bc01), sum)
> dim(df)
[1] 11971    20
> head(df)
      1      2      3      4      5      6      7      8      9     10     11
100101 16000    NA 50400 2500 NA 1500 1800 2000    NA   500 11000
100102 16000 35000 11000    NA NA 2000 11000 2000    NA  2000   6000
100103 20000 25000    NA 6000 NA 2000 2600    NA    NA  2000   9000
```

```

100104 12000 5500 NA 3000 NA 500 900 NA NA NA 12500
100105 19000 74500 49000 NA NA 5200 1900 NA NA NA 12000
100106 65000 49000 23000 5000 NA 1500 7800 5000 2500 1500 3000

```

```

      12  13 14  15  16  17  18  19  20
100101 3000 7000 NA  NA  NA  NA  NA  NA  NA
100102  NA 1700 NA  NA  NA  NA  NA  NA 3000
100103  NA 7800 NA  NA  NA 8000  NA  NA  NA
100104  NA 1400 NA 6000  NA  NA  NA 9000  NA
100105 3000 9000 NA  NA 2000  NA 1000  NA  NA
100106 10000 5000 NA  NA  NA  NA  NA  NA  NA

```

```
> df[is.na(df)]<-0
```

```
> df<-as.data.frame(df)
```

```
> hhfood<-df
```

```
> head(hhfood)
```

```

      1      2      3      4 5      6      7      8      9      10      11
100101 16000      0 50400 2500 0 1500 1800 2000      0 500 11000
100102 16000 35000 11000      0 0 2000 11000 2000      0 2000 6000
100103 20000 25000      0 6000 0 2000 2600      0      0 2000 9000
100104 12000 5500      0 3000 0 500 900      0      0      0 12500
100105 19000 74500 49000      0 0 5200 1900      0      0      0 12000
100106 65000 49000 23000 5000 0 1500 7800 5000 2500 1500 3000
      12  13 14  15  16  17  18  19  20
100101 3000 7000 0      0      0      0      0      0      0
100102      0 1700 0      0      0      0      0      0 3000
100103      0 7800 0      0      0 8000      0      0      0
100104      0 1400 0 6000      0      0      0 9000      0
100105 3000 9000 0      0 2000      0 1000      0      0
100106 10000 5000 0      0      0      0      0      0      0

```

```
# Converted to monthly
```

```
> hhfood<-hhfood*52/12
```

```
> head(round(hhfood))
```

```

      1      2      3      4 5      6      7      8      9      10
100101 69333      0 218400 10833 0 6500 7800 8667      0 2167
100102 69333 151667 47667      0 0 8667 47667 8667      0 8667
100103 86667 108333      0 26000 0 8667 11267      0      0 8667

```

100104	52000	23833		0	13000	0	2167	3900	0	0	0
100105	82333	322833	212333		0	0	22533	8233	0	0	0
100106	281667	212333	99667	21667	0	6500	33800	21667	10833	6500	
	11	12	13	14	15	16	17	18	19	20	
100101	47667	13000	30333	0	0	0	0	0	0	0	
100102	26000	0	7367	0	0	0	0	0	0	13000	
100103	39000	0	33800	0	0	0	34667	0	0	0	
100104	54167	0	6067	0	26000	0	0	0	39000	0	
100105	52000	13000	39000	0	0	8667	0	4333	0	0	
100106	13000	43333	21667	0	0	0	0	0	0	0	

Remarks:

Here, the multiplier of 52/12 is used instead of 30/7.

```
# Generated data frame exp.food with variables of hhid and 20 item groups
> exp.food<-data.frame(hhid=rownames(hhfood), round(hhfood), row.names=NULL)
> colnames(exp.food)[2:21]<-paste("item", formatC(1:20, width=2, flag="0"), sep="")
> head(exp.food)
```

	hhid	item01	item02	item03	item04	item05	item06	item07	item08	item09	item10
1	100101	69333	0	218400	10833	0	6500	7800	8667	0	2167
2	100102	69333	151667	47667	0	0	8667	47667	8667	0	8667
3	100103	86667	108333	0	26000	0	8667	11267	0	0	8667
4	100104	52000	23833	0	13000	0	2167	3900	0	0	0
5	100105	82333	322833	212333	0	0	22533	8233	0	0	0
6	100106	281667	212333	99667	21667	0	6500	33800	21667	10833	6500

	item11	item12	item13	item14	item15	item16	item17	item18	item19	item20
1	47667	13000	30333	0	0	0	0	0	0	0
2	26000	0	7367	0	0	0	0	0	0	13000
3	39000	0	33800	0	0	0	34667	0	0	0
4	54167	0	6067	0	26000	0	0	0	39000	0
5	52000	13000	39000	0	0	8667	0	4333	0	0
6	13000	43333	21667	0	0	0	0	0	0	0

```
# Generated the variables;
# food: sum of items 01:15,18:20
# alcohol: sum of items 16 and 17
# total: sum of items 01:20
> exp.food$food<-rowSums(exp.food[,c(2:16, 19:21)])
> exp.food$alcohol<-rowSums(exp.food[, 17:18])
> exp.food$total<-rowSums(exp.food[, 2:21])
> head(exp.food)
      hhid item01 item02 item03 item04 item05 item06 item07 item08 item09 item10 item11
1 100101  69333      0 218400  10833      0   6500   7800   8667      0   2167  47667
2 100102  69333 151667  47667      0      0   8667  47667   8667      0   8667  26000
3 100103  86667 108333      0 26000      0   8667  11267      0      0   8667  39000
4 100104  52000  23833      0 13000      0   2167   3900      0      0      0  54167
5 100105  82333 322833 212333      0      0  22533   8233      0      0      0  52000
6 100106 281667 212333  99667  21667      0   6500  33800  21667  10833   6500  13000
      item12 item13 item14 item15 item16 item17 item18 item19 item20   food alcohol   total
1  13000  30333      0      0      0      0      0      0      0 414700      0 414700
2      0   7367      0      0      0      0      0      0 13000 388702      0 388702
3      0  33800      0      0      0 34667      0      0      0 322401  34667 357068
4      0   6067      0 26000      0      0      0 39000      0 220134      0 220134
5 13000  39000      0      0  8667      0  4333      0      0 756598   8667 765265
6 43333  21667      0      0      0      0      0      0      0 772634      0 772634
```

● Average monthly amount of food consumption by food items (in thousand Riels)

```
# Estimated monthly total amount of food consumption (in million Riels)
> hw<-d43$weight # household weight
> tm<-sapply(exp.food[,2:24],function(x) round(sum(x*hw))) # in Riels
> round(tm/10^6) # in million Riels
> round(tm/10^6) # in million Riels
      item01 item02 item03 item04 item05 item06 item07 item08 item09 item10 item11
324372 320056 219448  43116  35027  41372 132399  15913  16118  16383  97828
      item12 item13 item14 item15 item16 item17 item18 item19 item20   food alcohol
25360 100667  24732  25776  44039  33527  23003 106958  33687 1602214  77566
      total
1679780
```

```
# Average monthly amount of food consumption by food item (in thousand Riels)
# Per household
> (NH<-sum(hw)) # estimated number of households
[1] 2938650
> (th<-round(tm/NH/1000))

item01 item02 item03 item04 item05 item06 item07 item08 item09 item10 item11
    110    109     75     15     12     14     45      5      5      6     33
item12 item13 item14 item15 item16 item17 item18 item19 item20 food alcohol
      9     34      8      9     15     11      8     36     11    545     26
total
    572

# Per capita
> (NP<-sum(d44$persweight)) # estimated number of household members
[1] 13966718
> (tp<-round(tm/NP/1000))

item01 item02 item03 item04 item05 item06 item07 item08 item09 item10 item11
     23     23     16      3      3      3      9      1      1      1      7
item12 item13 item14 item15 item16 item17 item18 item19 item20 food alcohol
      2      7      2      2      3      2      2      8      2    115      6
total
    120

# Item names
> t0<-c("Cereals", "Fish", "Meat & poultry", "Eggs", "Dairy products", "Oil and fats",
+ "Fresh vegetables", "Tuber", "Pulses and legumes", "Prepared and preserved vegetables",
+ "Fruit etc.", "Dried nuts and edible seeds", "Sugar, salt and spices", "Tea, coffee, cocoa",
+ "Non-alcoholic beverages", "Alcoholic beverages", "Tobacco products", "Other food products",
+ "Food taken away from home", "Prepared meals bought outside and eaten at home")
> t0<-c(t0, "Food and non-alcoholic beverages", "Alcohol and tobacco", "Food total")
```


Average monthly amount of food consumption per household and per capita

by food items (in thousand Riels)

> (m<-data.frame(item=t0, perhh=th, percapita=tp, row.names=NULL))

	item	perhh	percapita
1	Cereals	110	23
2	Fish	109	23
3	Meat & poultry	75	16
4	Eggs	15	3
5	Dairy products	12	3
6	Oil and fats	14	3
7	Fresh vegetables	45	9
8	Tuber	5	1
9	Pulses and legumes	5	1
10	Prepared and preserved vegetables	6	1
11	Fruit etc.	33	7
12	Dried nuts and edible seeds	9	2
13	Sugar, salt and spices	34	7
14	Tea, coffee, cocoa	8	2
15	Non-alcoholic beverages	9	2
16	Alcoholic beverages	15	3
17	Tobacco products	11	2
18	Other food products	8	2
19	Food taken away from home	36	8
20	Prepared meals bought outside and eaten at home	11	2
21	Food and non-alcoholic beverages	545	115
22	Alcohol and tobacco	26	6
23	Food total	572	120

6.2 NON-FOOD ITEMS

□ Created household-level data frame consisted of vectors of non-food items.

```
# outfiles[[5]]: S01C.nonfoodexpenses
# q01cc01: Non-food item (01 to 13)
# q01cc06: Total expenditure in Riels
# Reference periods differ by item and are indicated on the questionnaire
> d<-outfiles[[5]]
> df<-tapply(d$q01cc06, list(d$hhid, d$q01cc01), sum)
> dim(df)
[1] 11971    13
> head(df)
```

	1	2	3	4	5	6	7	8	9	10	11	12	13
100101	12000	50000	20000	9500	21000	40000	NA	100000	NA	80000	NA	NA	1020000
100102	1500	25000	20000	12000	200000	50000	NA	100000	NA	385000	NA	NA	600000
100103	83000	NA	NA	3800	46000	60000	NA	NA	NA	45000	NA	NA	320000
100104	1500	39000	40000	8500	180000	48000	NA	80000	NA	1000000	NA	NA	550000
100105	20000	66000	40000	63000	150000	80000	NA	300000	NA	250000	NA	45000	3000000
100106	NA	200000	20000	6500	15000	1000000	NA	NA	NA	50000	NA	NA	11000000

```
> df[is.na(df)]<-0
> df<-as.data.frame(df)
> head(df)
```

	1	2	3	4	5	6	7	8	9	10	11	12	13
100101	12000	50000	20000	9500	21000	40000	0	1e+05	0	80000	0	0	1020000
100102	1500	25000	20000	12000	200000	50000	0	1e+05	0	385000	0	0	600000
100103	83000	0	0	3800	46000	60000	0	0e+00	0	45000	0	0	320000
100104	1500	39000	40000	8500	180000	48000	0	8e+04	0	1000000	0	0	550000
100105	20000	66000	40000	63000	150000	80000	0	3e+05	0	250000	0	45000	3000000
100106	0	200000	20000	6500	15000	1000000	0	0e+00	0	50000	0	0	11000000

```
# Converted to monthly
# Item 01-04: a month
# Item 05: 6 months
# Item 06-13: 12 months
```

```

> hhnonfood<-df
> hhnonfood[, 5]<-df[, 5]/6
> hhnonfood[, 6:13]<-df[, 6:13]/12
> head(round(hhnonfood))
      1      2      3      4      5      6 7      8 9      10 11      12      13
100101 12000 50000 20000 9500 3500 3333 0 8333 0 6667 0 0 85000
100102 1500 25000 20000 12000 33333 4167 0 8333 0 32083 0 0 50000
100103 83000 0 0 3800 7667 5000 0 0 0 3750 0 0 26667
100104 1500 39000 40000 8500 30000 4000 0 6667 0 83333 0 0 45833
100105 20000 66000 40000 63000 25000 6667 0 25000 0 20833 0 3750 250000
100106 0 200000 20000 6500 2500 83333 0 0 0 4167 0 0 916667

> exp.nonfood<-data.frame(hhid=row.names(hhnonfood), round(hhnonfood), row.names=NULL)
> colnames(exp.nonfood)[2:14]<-paste("item", formatC(1:13, width=2, flag="0"), sep="")
> head(exp.nonfood)
      hhid item01 item02 item03 item04 item05 item06 item07 item08 item09 item10 item11
1 100101 12000 50000 20000 9500 3500 3333 0 8333 0 6667 0
2 100102 1500 25000 20000 12000 33333 4167 0 8333 0 32083 0
3 100103 83000 0 0 3800 7667 5000 0 0 0 3750 0
4 100104 1500 39000 40000 8500 30000 4000 0 6667 0 83333 0
5 100105 20000 66000 40000 63000 25000 6667 0 25000 0 20833 0
6 100106 0 200000 20000 6500 2500 83333 0 0 0 4167 0
      item12 item13
1 0 85000
2 0 50000
3 0 26667
4 0 45833
5 3750 250000
6 0 916667

```

- Average monthly amount of non-food consumption by food items (in thousand Riels)

```

# Total amount of non-food consumption (in million Riels)
> t2<-sapply(exp.nonfood[, 2:14], function(x) sum(x*hw))

```

```
# Total monthly amount of non-food consumption by item (in million Riels)
> tm<-round(t2/10^6)
> (tm<-c(tm, total=sum(tm)))
```

item01	item02	item03	item04	item05	item06	item07	item08	item09	item10	item11	item12
244126	163554	58978	46856	88176	31943	4830	31686	6170	83874	30776	1850
item13	total										
195409	988228										

```
# Average monthly amount of non-food consumption by item (in thousand Riels)
# Per household
> th<-round(t2/NH/1000)
> (th<-c(th, total=sum(th)))
```

item01	item02	item03	item04	item05	item06	item07	item08	item09	item10	item11	item12
83	56	20	16	30	11	2	11	2	29	10	1
item13	total										
66	337										

```
# Per capita
> tp<-round(t2/NP/1000)
> (tp<-c(tp, total=sum(tp)))
```

item01	item02	item03	item04	item05	item06	item07	item08	item09	item10	item11	item12
17	12	4	3	6	2	0	2	0	6	2	0
item13	total										
14	68										

```
# Item names
> t0<-c("Medical care", "Transportation", "Communication", "Personal care", "Clothing and footwear",
+ "Furniture, furnishings and household equipment and operation", "Domestic salaries",
+ "Recreation within Cambodia", "Recreation abroad", "Education", "Personal effects",
+ "Gambling", "Miscellaneous items")
> t0<-c(t0, "Non-food total")
```

Average monthly amount of non-food consumption per household and per capita

by non-food items (in thousand Riels)

```
> (m2<-data.frame(item=t0,perhh=th,percapita=tp,row.names=NULL))
```

	item	perhh	percapita
1	Medical care	83	17
2	Transportation	56	12
3	Communication	20	4
4	Personal care	16	3
5	Clothing and footwear	30	6
6	Furniture, furnishings and household equipment and operation	11	2
7	Domestic salaries	2	0
8	Recreation within Cambodia	11	2
9	Recreation abroad	2	0
10	Education	29	6
11	Personal effects	10	2
12	Gambling	1	0
13	Miscellaneous items	66	14
14	Non-food total	337	68

6.3 HOUSING

```
# outfiles[[10]]: S04.housing
> d<-outfiles[[10]]
> nrow(d)
[1] 11970
> d$hhid[11:30]
[1] 100201 100202 100203 100204 100205 100206 100207 100208 100210 100301 100302 100303
[13] 100304 100305 100306 100307 100308 100310 100401 100402
```

- hhid=100209 and 100309 are not included.

```
# Variable descriptions
```

```
> data.frame(variable=colnames(outfiles[[10]]),
+ description=attributes(outfiles[[10]])$var.labels)
```

	variable	description
1	hhid	individual hh identification number
2	province	province (2)
3	urbanrural	urban or rural households
4	weight	weight
5	hysize	# of members with less than 12 months absence
6	weight3	weight by household size
7	psu	primary sampling unit (clusters)
8	stratum	(province code * 10) + urban/rural classification
9	surveymonth	month of the survey for each psu
10	region	phnom penh, o. urban & o. rural
11	year	year cses
12	hhid_string	
13	q04_01	how many hhs reside in same unit
14	q04_02	what is the floor area of the housing in square meters?
15	q04_03	how many rooms are use by hh (other than kitchen, toilet and tathrooms)?
16	q04_04	walls primary construction material
17	q04_05	roof primary construction material
18	q04_06	floors primary construction materials
19	q04_07	what is the hh's main source of lighthouse?
20	q04_08	what is the hh's main source of drinking water in wet season?

21	q04_09	distance from home to water source in wet season (meters)?
22	q04_10m1	which hh members fetch water in wet season?
23	q04_10m2	which other hh members fetch water in wet season?
24	q04_10m3	which other hh members fetch water in wet season?
25	q04_11	minutes per day for fetching drinking water in wet season?
26	q04_12	what is the hh's main source of drinking water in dry season?
27	q04_13	distance from home to water source in dry season (meters)?
28	q04_14m1	which hh members fetch water in dry season?
29	q04_14m2	which other hh members fetch water in dry season?
30	q04_14m3	which other hh members fetch water in dry season?
31	q04_15	minutes per day for fetching drinking water in dry season?
32	q04_16	<u>water charges</u> pay last month (riels)?
33	q04_17	did hh boil or treated water last month?
34	q04_18a	did you boil the water?
35	q04_18b	did you filter the water?
36	q04_18c	did you treted chemicaly the water?
37	q04_18d	did you use white alum for the water?
38	q04_18e	did you use any other treatment the water?
39	q04_19a	what toilet facilities your hh has on the premises (close to dwelling)?
40	q04_19b	what toilet facility does your hh ususally use?
41	q04_20	expenditure in <u>sewage or waste water disposal</u> last month?
42	q04_21	how much did your hh spend for <u>garbage collection</u> lat month?
43	q04_22a	what type of use your hh mainly use for cooking?
44	q04_22b	does the vendor brings the firewood/charcoal home?
45	q04_22c1	which hh member colects firewood or charcoal?
46	q04_22c2	which other hh member colects firewood or charcoal?
47	q04_22c3	which other hh member colects firewood or charcoal?
48	q04_22d	how many hours per week are used in collecting firewood/charcoal
49	q04_23a	how much did the hh spend last month on <u>electricity</u> ?
50	q04_23b	how much did the hh spend last month on <u>gas (lpg)</u> ?
51	q04_23c	how much did the hh spend last month on <u>kerosene</u> ?
52	q04_23d	how much did the hh spend last month on <u>firewood</u> ?
53	q04_23e	how much did the hh spend last month on <u>charcoal</u> ?
54	q04_23f	how much did the hh spend last month on <u>battery</u> ?
55	q04_23g	how much did the hh spend last month on <u>other</u> ?
56	q04_24	what was the legal status of the dwelling?

57 q04_25a if rented, how much did you pay for rent of this house last month?

58 q04_25b how much would you have to pay per month to rent a similar dwelling? (estimated

59 q04_26 how much did you spend on maintenance and minor repairs of the dwelling last mon

60 phnonpenh

61 otherrural

62 urban

63 publiclight

64 pre_1 unstandardized predicted value

65 log_25b

66 pre_2 unstandardized predicted value

```
> df<-d[c(1, 32, 41, 42, 49:55, 57:59)]
```

```
> head(df)
```

	hhid	q04_16	q04_20	q04_21	q04_23a	q04_23b	q04_23c	q04_23d	q04_23e	q04_23f	q04_23g
1	100101	2000	0	0	10000	0	0	10000	10000	0	0
2	100102	5000	0	0	10000	0	0	50000	0	0	0
3	100103	0	0	0	15000	3000	1000	80000	0	0	0
4	100104	8000	0	0	20000	0	0	7500	9000	0	0
5	100105	15000	0	0	70000	2800	0	1000	0	0	0
6	100106	0	0	0	34000	0	0	40000	69000	0	0

	q04_25a	q04_25b	q04_26
1	NA	80000	0
2	NA	35000	0
3	NA	35000	0
4	NA	40000	0
5	NA	100000	0
6	NA	50000	0

```
> dim(df)
```

```
[1] 11970 14
```

```
> df[is.na(df)]<-0
```

```
> df[["housing"]<-rowSums(df[, 2:14])
```

```
> head(df)
```

	hhid	q04_16	q04_20	q04_21	q04_23a	q04_23b	q04_23c	q04_23d	q04_23e	q04_23f	q04_23g
1	100101	2000	0	0	10000	0	0	10000	10000	0	0
2	100102	5000	0	0	10000	0	0	50000	0	0	0

3	100103	0	0	0	15000	3000	1000	80000	0	0	0
4	100104	8000	0	0	20000	0	0	7500	9000	0	0
5	100105	15000	0	0	70000	2800	0	1000	0	0	0
6	100106	0	0	0	34000	0	0	40000	69000	0	0

q04_25a q04_25b q04_26 housing

1	0	80000	0	112000
2	0	35000	0	100000
3	0	35000	0	134000
4	0	40000	0	84500
5	0	100000	0	188800
6	0	50000	0	193000

```
> colnames(df) <- c("hhid", "water", "sewage", "garbage", "electricity", "gas", "kerosene", "firewood",
+ "charcoal", "battery", "other", "house.rent", "imputed.rent", "maintenance", "housing")
```

```
> head(df)
```

	hhid	water	sewage	garbage	electricity	gas	kerosene	firewood	charcoal	battery	other
1	100101	2000	0	0	10000	0	0	10000	10000	0	0
2	100102	5000	0	0	10000	0	0	50000	0	0	0
3	100103	0	0	0	15000	3000	1000	80000	0	0	0
4	100104	8000	0	0	20000	0	0	7500	9000	0	0
5	100105	15000	0	0	70000	2800	0	1000	0	0	0
6	100106	0	0	0	34000	0	0	40000	69000	0	0

house.rent imputed.rent maintenance housing

1	0	80000	0	112000
2	0	35000	0	100000
3	0	35000	0	134000
4	0	40000	0	84500
5	0	100000	0	188800
6	0	50000	0	193000

```
> exp.housing <- df
```

□ Grouping of items of expenditure

No	Group	Items	Data frame	Source data file
1	Food and non-alcoholic beverages	01 to 15, 18 to 20	exp. food	S01B. foodconsumption
2	Alcohol and tobacco	16, 17	exp. food	S01B. foodconsumption
3	Clothing and footwear	5, 11 (personal effects)	exp. nonfood	S01C. nonfoodexpenses
4	Housing, water, electricity		exp. housing	S04. housing
5	Furnishing etc.	6	exp. nonfood	S01C. nonfoodexpenses
6	Health	1	exp. nonfood	S01C. nonfoodexpenses
7	Transportation	2	exp. nonfood	S01C. nonfoodexpenses
8	Communication	3	exp. nonfood	S01C. nonfoodexpenses
9	Recreation and culture	8, 9	exp. nonfood	S01C. nonfoodexpenses
10	Education	10	exp. nonfood	S01C. nonfoodexpenses
11	Miscellaneous goods	13, 4 (personal care)	exp. nonfood	S01C. nonfoodexpenses
12	Domestic salaries	7	exp. nonfood	S01C. nonfoodexpenses

Note: Item 12 (gambling) in non-food was excluded.

□ Converted hhid of exp. food and exp. nonfood from factor to integer

```
> exp.food$hhid<-as.integer(as.character(exp.food$hhid))
> exp.nonfood$hhid<-as.integer(as.character(exp.nonfood$hhid))
```

□ Generated household-level data frame “hhexp” of monthly consumption by groups

```
# Confirmed hhid of exp. food and exp. nonfood
> table(exp.food$hhid==exp.nonfood$hhid)
TRUE
11971
# One record is missing in exp.housing
> dim(exp.housing)
[1] 11970    16

> hhexp<-exp.food[,c("hhid", "food", "alcohol")]
> hhexp$clothing<-rowSums(exp.nonfood[,c(6, 12)])
> head(hhexp)
      hhid  food alcohol clothing
1 100101 414700      0    3500
2 100102 388702      0    3333
```

```

3 100103 322401 34667 7667
4 100104 220134 0 30000
5 100105 756598 8667 25000
6 100106 772634 0 2500

```

```
> hhexp<-merge(hhexp, exp.housing[, c("hhid", "housing")], by="hhid", all.x=T)
```

```
> head(hhexp)
```

```

      hhid  food alcohol clothing housing
1 100101 414700      0    3500 112000
2 100102 388702      0    33333 100000
3 100103 322401 34667    7667 134000
4 100104 220134      0    30000  84500
5 100105 756598  8667    25000 188800
6 100106 772634      0    2500 193000

```

```
> dim(hhexp)
```

```
[1] 11971      5
```

```
> hhexp[hhexp$hhid==100309,]
```

```

      hhid  food alcohol clothing housing
28 100309 907833      0    6667      NA

```

```
> hhexp[is.na(hhexp)]<-0
```

```
> hhexp$furnishing<-exp.nonfood[, 7]
```

```
> hhexp$health<-exp.nonfood[, 2]
```

```
> hhexp$transportation<-exp.nonfood[, 3]
```

```
> hhexp$communication<-exp.nonfood[, 4]
```

```
> hhexp$recreation<-rowSums(exp.nonfood[, c(9, 10)])
```

```
> hhexp$education<-exp.nonfood[, 11]
```

```
> hhexp$miscellaneous<- rowSums(exp.nonfood[, c(14, 5)])
```

```
> hhexp$domsalary<-exp.nonfood[, 8]
```

```
> hhexp$total<-rowSums(hhexp[, 2:13])
```

```
> hhexp$foodshare<-round((hhexp$food+hhexp$alcohol)/hhexp$total*100, 1)
```

```
> head(hhexp)
```

```

      hhid  food alcohol clothing housing furnishing health transportation communication
1 100101 414700      0    3500 112000    3333 12000    50000    20000
2 100102 388702      0    33333 100000    4167  1500    25000    20000
3 100103 322401 34667    7667 134000    5000 83000      0      0

```

4	100104	220134	0	30000	84500	4000	1500	39000	40000
5	100105	756598	8667	25000	188800	6667	20000	66000	40000
6	100106	772634	0	2500	193000	83333	0	200000	20000

	recreation	education	miscellaneous	domsalary	total	foodshare
1	8333	6667	94500	0	725033	57.2
2	8333	32083	62000	0	675118	57.6
3	0	3750	30467	0	620952	57.5
4	6667	83333	54333	0	563467	39.1
5	25000	20833	313000	0	1470565	52.0
6	0	4167	923167	0	2198801	35.1

#####

□ Estimate average monthly per household and per capita consumption by three region

```
# hhexp: monthly household expenditure by group
```

```
# outfiles[[43]]: household weight and region
```

```
# Average monthly expenditure per household by group (in thousand Riels)
```

```
> t1<-sapply(hhexp[, 2:14], function(x) weighted.mean(x, d43$weight))/1000
```

```
> round(t1)
```

	food	alcohol	clothing	housing	furnishing	health
	545	26	40	213	11	83
transportation	communication	recreation	education	miscellaneous	domsalar	
	56	20	13	29	82	2
total						
	1120					

```
# Average monthly expenditure per capita by group (in thousand Riels)
```

```
> (NP<-sum(d44$persweight))
```

```
[1] 13966718
```

```
> t2<-sapply(hhexp[, 2:14], function(x) sum(x*d43$weight))/1000/NP
```

```
> round(t2)
```

	food	alcohol	clothing	housing	furnishing	health
	115	6	9	45	2	17
transportation	communication	recreation	education	miscellaneous	domsalar	
	12	4	3	6	17	0
total						
	236					

```
# Combined hhexp and d43
```

```
> hhexp<-cbind(hhexp, d43[, 2:10])
```

```
> head(hhexp)
```

	hhid	food	alcohol	clothing	housing	furnishing	health	transportation	communication
1	100101	414700	0	3500	112000	3333	12000	50000	20000
2	100102	388702	0	33333	100000	4167	1500	25000	20000
3	100103	322401	34667	7667	134000	5000	83000	0	0
4	100104	220134	0	30000	84500	4000	1500	39000	40000

```

5 100105 756598      8667      25000 188800      6667 20000      66000      40000
6 100106 772634        0      2500 193000      83333      0      200000      20000

```

```

      recreation education miscellaneous domsalary      total foodshare province urbanrural
1      8333      6667      94500      0 725033      57.2      1      1
2      8333      32083      62000      0 675118      57.6      1      1
3        0      3750      30467      0 620952      57.5      1      1
4      6667      83333      54333      0 563467      39.1      1      1
5      25000      20833      313000      0 1470565      52.0      1      1
6        0      4167      923167      0 2198801      35.1      1      1

```

```

      weight hhsize      weight3      psu stratum surveymonth region
1 266.1367      5 1330.6835 1001      11      1      2
2 266.1367      4 1064.5468 1001      11      1      2
3 266.1367      6 1596.8202 1001      11      1      2
4 266.1367      3 798.4101 1001      11      1      2
5 266.1367      7 1862.9569 1001      11      1      2
6 266.1367      9 2395.2302 1001      11      1      2

```

Average monthly expenditure per household by group and region

```
> (t<-by(hhexp, hhexp$region, function(df)
```

```
+ round(sapply(df[, 2:14], function(x) weighted.mean(x, df$weight)/1000))))
```

hhexp\$region: 1

food	alcohol	clothing	housing	furnishing	health transportation
951	23	67	769	23	73
168					
communication	recreation	education	miscellaneous	domsalary	total
64	52	135	140	6	2472

hhexp\$region: 2

food	alcohol	clothing	housing	furnishing	health transportation
694	37	54	349	17	87
76					
communication	recreation	education	miscellaneous	domsalary	total
37	26	51	122	5	1554

hhexp\$region: 3

food	alcohol	clothing	housing	furnishing	health transportation
483	25	36	136	9	84
41					
communication	recreation	education	miscellaneous	domsalary	total

13 7 14 71 1 921

```
> m<-matrix(unlist(t),nrow=13)
> colnames(m)<-c("Phnom Pen", "Other urban", "Other rural")
> rownames(m)<-colnames(hhexp)[2:14]
> cbind(Cambodia=round(t1), m)
```

	Cambodia	Phnom Pen	Other urban	Other rural
food	545	951	694	483
alcohol	26	23	37	25
clothing	40	67	54	36
housing	213	769	349	136
furnishing	11	23	17	9
health	83	73	87	84
transportation	56	168	76	41
communication	20	64	37	13
recreation	13	52	26	7
education	29	135	51	14
miscellaneous	82	140	122	71
domsalary	2	6	5	1
total	1120	2472	1554	921

```
# Average monthly expenditure per capita by group and region
> (t<-by(hhexp, hhexp$region, function(df)
+ round(sapply(df[, 2:14], function(x) sum(x*df$weight)/1000/
+ sum(df$weight3))))))
> m<-matrix(unlist(t), nrow=13)
> colnames(m)<-c("Phnom Pen", "Other urban", "Other rural")
> rownames(m)<-colnames(hhexp)[2:14]
> cbind(Cambodia=round(t2), m)
```

	Cambodia	Phnom Pen	Other urban	Other rural
food	115	189	145	102
alcohol	6	5	8	5
clothing	9	13	11	8
housing	45	153	73	29
furnishing	2	5	4	2
health	17	15	18	18
transportation	12	33	16	9
communication	4	13	8	3
recreation	3	10	5	1
education	6	27	11	3
miscellaneous	17	28	26	15
domsalary	0	1	1	0
total	236	492	325	194

□ Comparison with the survey report

Average monthly consumption (in thousand Riels)

	Per household		Per capita	
	My results	Report	My results	Report
Cambodia	1,120	1,119	236	254
Phnom Penh	2,472	2,466	492	538
Other urban	1,554	1,553	325	351
Other rural	921	920	194	212

```
> trial.exp<-hhexp.save
```

```
> head(trial.exp)
```

```

      hhid  food alcohol clothing housing furnishing health transportation communication
1 100101 414700      0   3500 112000      3333 12000      50000      20000
2 100102 388702      0   33333 100000      4167 1500      25000      20000
3 100103 322401 34667   7667 134000      5000 83000      0      0
4 100104 220134      0   30000 84500      4000 1500      39000      40000
5 100105 756598 8667   25000 188800      6667 20000      66000      40000
6 100106 772634      0   2500 193000      83333      0      200000      20000

      recreation education miscellaneous domsalary   total foodshare
1      8333      6667      94500      0 725033      57.2
2      8333      32083      62000      0 675118      57.6
3      0      3750      30467      0 620952      57.5
4      6667      83333      54333      0 563467      39.1
5      25000      20833      313000      0 1470565      52.0
6      0      4167      923167      0 2198801      35.1

```

Summary:

The data file “hhexp” with 11,971 rows and 15 columns will be included in the resampled data set, for reference.

□ Consumption results in the survey report at page 104

Table 9.6. Average Monthly Household and Per Capita Consumption, 2009

	Expenditure in thousand Riels		Expenditure in US Dollar	
	Per Household	Per Capita	Per Household	Per Capita
Cambodia	1,119	254	273	62
Phnom Penh	2,466	538	601	131
Other urban	1,553	351	379	86
Other rural	920	212	225	52

Exchange Rate: 1\$ = 4100 Riels

Table 9.7a. Consumption composition, 2009 Average Monthly value in Riels per capita

	Cambodia		Phnom Penh		Other urban		Other rural	
	Value in thousand Riels	% of total	Value in thousand Riels	% of total	Value in thousand Riels	% of total	Value in thousan d Riels	% of total
Food and non-alcoholic beverages	124	49	207	39	158	45	111	52
Alcohol and tobacco	6	2	5	1	8	2	6	3
Clothing and footwear	7	3	10	2	9	2	6	3
Housing, water, electricity	50	19	169	31	81	23	33	15
Furnishing etc	3	1	6	1	5	1	2	1
Health	19	8	16	3	19	5	20	9
Transportation	12	5	38	7	16	5	9	4
Communication	5	2	14	3	9	3	3	1
Recreation and culture	3	1	12	2	5	2	2	1
Education	5	2	26	5	10	3	3	1
Miscellaneous goods	21	8	35	6	31	9	18	9
Total	254	100	538	100	351	100	212	100

Chapter 7. Household Income

7.0 Provided summary file of household income

- Problems faced

The provided data files did not include the summary file of household income at first, and it caused difficulty in estimating household income from micro data. But it was provided later on request.

The STATA file of “IncomeCSES09.dta” includes 11,971 sample households and 103 variables including disposable income and total income.

Although some variables are yet clear, the weighted mean of many variables are confirmed to be compatible with the tables in the survey report.

- Variable names included in “IncomeCSES09”

```
> d45<-outfiles[[45]]
> dim(income)
[1] 11971 103
> colnames(d45)
[1] "hhid" "weighthh"
[3] "weighthhpers" "hhsiz"
[5] "salary" "diarysalarycash"
[7] "diarysalaryinkind" "costcrop"
[9] "costlivestock" "costfish"
[11] "costforestry" "receiptcrop"
[13] "receiptlivestock" "receiptfish"
[15] "receiptforestry" "agriincome"
[17] "costnonagri" "receiptnonagri"
[19] "nonagriincome" "incomeownhouse"
[21] "bankinterest" "interestotherloans"
[23] "dividends" "rentfromland"
[25] "grosspropertyincome" "interestpaidagri"
[27] "interestpaidnonagri" "interestpaidownoccupied"
[29] "interestpaidnet" "propertyincome"
[31] "primaryincome" "pensiondomestic"
[33] "pensionabroad" "pension"
[35] "ngotransfers" "remittancedomestic"
[37] "remittanceabroad" "totalprivatetransfers"
[39] "scholarshipgovernment" "scholarshipngo"
[41] "totalscholarship" "gifts"
[43] "othertransfer" "totaltransfers"
[45] "totalincome" "wageratio"
[47] "agriratio" "otherselfempratio"
[49] "propertyratio" "transfersratio"
[51] "diarytaxes" "diaryinterhhtransfers"
[53] "diarycashtransferchar" "diarytotalnegativetransfers"
```

```

[55] "disposableincome"      "diarycostagri"
[57] "diaryreceiptagri"      "diaryagriincome"
[59] "diarycostnonagri"      "diaryreceiptnonagri"
[61] "diarynonagriincome"    "diarybankinterest"
[63] "diaryinterestotherloans" "diarydividends"
[65] "diaryotherfinancialaccount" "diarygrosspropertyincome"
[67] "diarypropertyincome"   "diaryprimaryincome"
[69] "diarypensiondomestic"  "diarypensionabroad"
[71] "diarypension"          "diaryinsurancedomestic"
[73] "diaryinsuranceabroad"  "diaryngotransfers"
[75] "diaryremittancedomestic" "diaryremittanceabroad"
[77] "diarytotalprivatetransfers" "diaryscholarship"
[79] "diarygifts"            "diaryothertransfers"
[81] "diarytotaltransfers"   "diarytotalincome"
[83] "diarydisposableincome" "psuchar"
[85] "psul"                  "psu"
[87] "areaid"                "dprovince"
[89] "urbanrural"            "dregion"
[91] "dzone"                 "blillan"
[93] "bstoran"               "agriadj"
[95] "nonagriadj"            "propertyadj"
[97] "ownhouseadj"           "adjdisp"
[99] "adjdispcapita"         "adjtotaltransfers"
[101] "adjtotalincome"        "adjprimaryincome"
[103] "adjdiarytotalnegativetransfers"

```

- Weighted mean of each numerical variable in d45

```

# Estimated number of households by region
> den<-tapply(d45$weighthh,d45$dregion,sum)
> den<-c(sum(den),den)
> den
           1           2           3
2938650.3 261450.8 284739.8 2392459.6

# Variable numbers to be calculated
> fileno<-c(5:83,93:103)

# Weighted mean of variables by region
> for(j in fileno){
+ if(j==fileno[1]) cat(" No : Variable", " : Cambodia Phnom Penh Urban
Rural", "\n")
+ num<-tapply(d45[,j]*d45$weighthh,d45$dregion,sum)
+ num<-c(sum(num),num)
+ t<-round(num/den/12)
+ cat(format(j,width=3),": ",format(colnames(d45)[j],width=30),": ",
+ format(t[1],width=8),format(t[2],width=8),format(t[3],width=8),format(t[4],width=8),"\n")
+ }

```

Estimated amount of monthly income per household by region(in Riels)

No	Variable	Cambodia	Phnom Penh	Urban	Rural
5	salary	240710	765289	380964	166691
6	diarysalarycash	192370	704830	341557	118612

7	:	diarysalaryinkind	:	865	5	788	968
8	:	costcrop	:	54474	4142	25678	63402
9	:	costlivestock	:	33592	5895	22221	37972
10	:	costfish	:	9249	1878	10199	9941
11	:	costforestry	:	1812	2	654	2147
12	:	receiptcrop	:	333744	11776	54041	402218
13	:	receiptlivestock	:	45167	12435	32374	50266
14	:	receiptfish	:	30065	7535	15715	34235
15	:	receiptforestry	:	34896	1050	11957	41325
16	:	agriincome	:	344282	20870	55215	414028
17	:	costnonagri	:	768675	3053597	1672484	411409
18	:	receiptnonagri	:	1108430	4693663	2313345	573229
19	:	nonagriincome	:	339755	1640066	640861	161820
20	:	incomeownhouse	:	92388	520368	117452	42634
21	:	bankinterest	:	173	580	834	50
22	:	interestother loans	:	2066	5166	3966	1501
23	:	dividends	:	238	2286	0	42
24	:	rentfromland	:	1535	9355	7247	1
25	:	grosspropertyincome	:	4012	17388	12047	1594
26	:	interestpaidagri	:	464	9	120	554
27	:	interestpaidnonagri	:	228	454	386	185
28	:	interestpaidownoccupied	:	85	116	135	76
29	:	interestpaidnet	:	642	680	697	631
30	:	propertyincome	:	3370	16708	11349	963
31	:	primaryincome	:	1020505	2963300	1205841	786136
32	:	pensiondomestic	:	1683	5282	3020	1131
33	:	pensionabroad	:	224	2461	22	4
34	:	pension	:	1907	7743	3042	1134
35	:	ngotransfers	:	504	483	1412	399
36	:	remittancedomestic	:	6801	12512	18197	4821
37	:	remittanceabroad	:	7243	20751	17524	4544
38	:	totalprivatetransfers	:	14045	33262	35721	9365
39	:	scholarshipgovernment	:	395	972	1189	238
40	:	scholarshipngo	:	389	113	1079	337
41	:	totalscholarship	:	784	1085	2268	575
42	:	gifts	:	2167	11410	1045	1290
43	:	othertransfer	:	14097	24779	10476	13360
44	:	totaltransfers	:	33503	78763	53964	26122
45	:	totalincome	:	1054008	3042064	1259805	812258
46	:	wageratio	:	0	0	0	0
47	:	agriratio	:	0	0	0	0
48	:	otherselfempratio	:	0	0	0	0
49	:	propertyratio	:	0	0	0	0
50	:	transfersratio	:	0	0	0	0
51	:	diarytaxes	:	1386	161	1080	1556
52	:	diaryinterhhtransfers	:	2264	7936	3538	1492
53	:	diarycashtransferchar	:	13713	16627	15448	13189
54	:	diarytotalnegativetransfers	:	17363	24723	20067	16237
55	:	disposableincome	:	1036645	3017340	1239738	796022
56	:	diarycostagri	:	46619	4863	34665	52605
57	:	diaryreceiptagri	:	263593	15865	172996	301448
58	:	diaryagriincome	:	216974	11002	138331	248843
59	:	diarycostnonagri	:	876331	2475640	2320044	529733
60	:	diaryreceiptnonagri	:	1081099	3936547	2362272	616573
61	:	diarynonagriincome	:	204768	1460907	42229	86840
62	:	diarybankinterest	:	1527	4072	0	1430

63	:	diaryinterestotherloans	:	3847	1966	4992	3916
64	:	diarydividends	:	204	406	1059	81
65	:	diaryotherfinancialaccount	:	15446	116366	10120	5051
66	:	diarygrosspropertyincome	:	21023	122809	16172	10478
67	:	diarypropertyincome	:	21023	122809	16172	10478
68	:	diaryprimaryincome	:	636000	2299552	539077	465741
69	:	diarypensiondomestic	:	447	1558	1554	194
70	:	diarypensionabroad	:	0	0	0	0
71	:	diarypension	:	447	1558	1554	194
72	:	diaryinsurancedomestic	:	0	0	0	0
73	:	diaryinsuranceabroad	:	0	0	0	0
74	:	diaryngotransfers	:	378	1012	437	302
75	:	diaryremittancedomestic	:	14444	32345	15190	12399
76	:	diaryremittanceabroad	:	3021	10765	1639	2339
77	:	diarytotalprivatetransfers	:	17465	43110	16828	14738
78	:	diaryscholarship	:	150	0	0	184
79	:	diarygifts	:	5662	3413	5226	5960
80	:	diaryothertransfers	:	29317	14975	50753	28334
81	:	diarytotaltransfers	:	53420	64068	74799	49712
82	:	diarytotalincome	:	689421	2363621	613876	515453
83	:	diarydisposableincome	:	672058	2338898	593809	499216
93	:	bstoran	:	389	232	193	429
94	:	agriadj	:	161877	21689	63911	188856
95	:	nonagriadj	:	250390	877687	502645	151816
96	:	propertyadj	:	4064	17404	12088	1651
97	:	ownhouseadj	:	70139	303507	97836	41340
98	:	adjdisp	:	735542	2015904	1088516	553614
99	:	adjdispcapita	:	158285	414395	233865	121302
100	:	adjtotaltransfers	:	19407	53984	43488	12762
101	:	adjtotalincome	:	746586	2039560	1100932	563116
102	:	adjprimaryincome	:	727180	1985576	1057444	550354
103	:	adjdiarytotalnegativetransfers	:	11044	23656	12416	9502

SUMMARY:

- In the above table, at least, the results of monthly disposable income per household and monthly total income per household are the same as figures in Table 9.1a of the survey report at page 98.

Table 9.1a. Income composition, average per month in thousand Riels

Source of income	Cambodia		Phnom Penh		Other urban		Other rural	
	KHR	Share	KHR	Share	KHR	Share	KHR	Share
	(thousands)	%	(thousands)	%	(thousands)	%	(thousands)	%
Primary income	727	97	1,986	97	1,057	96	550	98
Salary	241	32	765	38	381	35	167	30
Self employment	482	65	1,203	59	664	60	382	68
Income agriculture	162	22	22	1	64	6	189	34
Income non-agriculture	250	34	878	43	503	46	152	27
Income own house *)	70	9	304	15	98	9	41	7
Property income	4	0	17	1	12	1	2	0
Transfers received	19	3	54	3	43	4	13	2
Total income	747	100	2,039	100	1,101	100	563	100
Transfers paid/negative income	11	1	24	1	13	1	10	2
Disposable income	736	99	2,016	99	1,089	99	554	98

*) income own house adjusted to max = 1000000 per month, P99-value for Cambodia - > 1 percent of the households have been adjusted.

% - Shares to total

KHR - in Value of Khmer Riels Currency

- Income composition by source of income will be discussed in the following sections.

Source of income		Section in this chapter	
Primary income			
	Salary	7.1	
	Self employment		
	Income agriculture	7.2	
	Income non-agriculture	7.3	
	Income own house	7.4	
	Property income	7.5	
Transfers received		7.6	
Total income			
Transfers paid / negative income		7.7	
Disposable income			

- Prepared data frame of monthly household income with variables of income components.

INCOME

hhinc: Household-level data frame of income components to be generated.

```
> hhinc<-outfiles[[43]][,c("hhid", "weight", "hhsz")]
```

```
> head(hhinc)
```

```
  hhid  weight hhsz
1 100101 266.1367    5
2 100102 266.1367    4
3 100103 266.1367    6
4 100104 266.1367    3
5 100105 266.1367    7
6 100106 266.1367    9
```

```
> dim(hhinc)
```

```
[1] 11971    3
```


7.1 SALARY

```

> d<-outfiles[[35]][,c("persid","hhid","q15_c20")]
> d[is.na(d)]<-0
> t<-tapply(d$q15_c20,d$hhid,sum)
> df<-data.frame(hhid=names(t),salary=t)
> dim(df)
[1] 11963      2
> hhinc<-merge(hhinc,df,by="hhid",all.x=T)
> hhinc[is.na(hhinc)]<-0
> head(hhinc)
      hhid  weight hhsz salary
1 100101 266.1367    5 443000
2 100102 266.1367    4      0
3 100103 266.1367    6 500000
4 100104 266.1367    3 526000
5 100105 266.1367    7      0
6 100106 266.1367    9      0
> hhinc.save<-hhinc

● Weighted mean of monthly salary (in Riels)
> weighted.mean(hhinc$salary,hhinc$weight)
[1] 240925.3

> weighted.mean(d45$salary,d45$weighthh)/12
[1] 240709.9

● Comparison with d45 at household level
> table(abs(d45$salary/12-hhinc$salary)<1)
FALSE  TRUE
 13 11958

# List of discrepancies
> hhider<-d45[d45$salary/12!=hhinc$salary,"hhid"]
> hhider
[1] 302305 303407 402217 501620 602210 603020 801810 803920 900818

```

```
[10] 1202203 1401613 1403905 1800702
```

```
> cbind(d45[is.element(d45$hhid, hhider), c("hhid", "salary")],
+ hhinc.salary=hhinc[is.element(hhinc$hhid, hhider), "salary"])
```

	hhid	salary	hhinc.salary
1815	302305	0	180000
2037	303407	0	20000
3546	402217	4440000	520000
3869	501620	0	285000
4578	602210	3600000	650000
4748	603020	3600000	340000
5456	801810	7320000	810000
5884	803920	240000	200000
6461	900818	480000	440000
6991	1202203	3480000	580000
8288	1401613	0	72000
8740	1403905	0	140000
10236	1800702	8040000	1020000

```
# Micro data with hhid in hhider
```

```
> d[is.element(d$hhid, hhider)&d$q15_c20>0,]
```

	persid	hhid	q15_c20
7756	30230502	302305	180000
8697	30340702	303407	20000
15111	40221702	402217	150000
15112	40221703	402217	150000
15114	40221705	402217	220000
16477	50162002	501620	285000
19626	60221003	602210	300000
19627	60221004	602210	20000
19630	60221007	602210	300000
19633	60221011	602210	30000
20358	60302001	603020	40000
20361	60302004	603020	150000
20362	60302005	603020	150000
23424	80181002	801810	200000

23425	80181003	801810	200000
23426	80181004	801810	410000
25330	80392002	803920	180000
25331	80392004	803920	20000
27924	90081801	900818	40000
27925	90081802	900818	400000
30201	120220303	1202203	290000
30202	120220304	1202203	290000
35978	140161303	1401613	72000
37860	140390501	1403905	140000
44258	180070203	1800702	320000
44261	180070206	1800702	350000
44262	180070207	1800702	350000

7.2 AGRICULTURE

- Generated the following variables of monthly agricultural income.

No	Variable of income component	File No	Section	Variables to be used	Reference period
	COST				
1	cost.crop	14	5C	q05cc16	12M
2	cost.livestock1	16	5E1	q05e1c10	12M
3	cost.livestock2	17	5E2	q05e2c03	12M
4	cost.fish1	18	5F1	q05f1c05	1M
5	cost.fish2	19	5F2	q05f2c03	12M
6	cost.forestry	22	5G	q05g2c03	12M
7	interest.agri	26	6	Subset of q06_c05==1, q06_c08*q06_c07/(100+q06_c08)	1M
	RECEIPT				
8	rcpt.crop	13	5B	(q05bc06 - q05bc07) x q05bc09	12M
9	rcpt.livestock	16	5E1	q05e1c09 + q05e1c11 to q05e1c15	12M
10	rcpt.fish	20	5F3	q05f3c03	12M
11	rcpt.forestry	21	5G2	q05g1c06	12M
12	agri. income			The above receipts - costs	

1) Cost. crop

```

> d<-outfiles[[14]][,c("hhid","q05cc16")]
> d[is.na(d)]<-0
> t<-tapply(d[,2],d$hhid,sum)
> df<-data.frame(hhid=names(t),cost.crop=t)
> df[,2]<-df[,2]/12
> hhinc<-merge(hhinc,df,by="hhid",all.x=T)
> head(hhinc)
  hhid  weight hhsz salary cost.crop
1 100101 266.1367    5 443000 28266.67
2 100102 266.1367    4    0 70666.67
3 100103 266.1367    6 500000 37250.00
4 100104 266.1367    3 526000      NA

```

```
5 100105 266.1367      7      0 42333.33
6 100106 266.1367      9      0 133958.33
```

2) Cost. livestock1

```
> d<-outfiles[[16]][,c("hhid", "q05e1c10")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), cost.livestock1=df)
> df[, 2]<-df[, 2]/12
> hhinc<-merge(hhinc, df, by="hhid", all.x=T)
```

3) Cost. livestock2

```
> d<-outfiles[[17]][,c("hhid", "q05e2c03")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), cost.livestock2=df)
> df[, 2]<-df[, 2]/12
> hhinc<-merge(hhinc, df, by="hhid", all.x=T)
```

4) Cost. fish1

```
> d<-outfiles[[18]][,c("hhid", "q05f1c05")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), cost.fish1=df)
> hhinc<-merge(hhinc, df, by="hhid", all.x=T)
```

5) Cost. fish2

```
> d<-outfiles[[19]][,c("hhid", "q05f2c03")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), cost.fish2=df)
> df[, 2]<-df[, 2]/12
> hhinc<-merge(hhinc, df, by="hhid", all.x=T)
```

6) Cost. forestry

```
> d<-outfiles[[22]][,c("hhid", "q05g2c03")]
```

```

> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), cost.forestry=df)
> df[, 2]<-df[, 2]/12
> hhinc<-merge(hhinc, df, by="hhid", all.x=T)

```

7) Interest. agri

```

> hhinc.save<-hhinc
> d<-subset(outfiles[[26]], q06_c05==1)
> d[is.na(d)]<-0
> d$int<-d$q06_c08*d$q06_c07/(100+d$q06_c08)
> df<-tapply(d$int, d$hhid, sum)
> df<-data.frame(hhid=names(df), interest.agri=df)
> hhinc<-merge(hhinc, df, by="hhid", all.x=T)
> head(hhinc)

```

	hhid	weight	hhsize	salary	cost.crop	cost.livestock1	cost.livestock2	cost.fish1
1	100101	266.1367	5	443000	28266.67	4166.667	1250.000	200000
2	100102	266.1367	4	0	70666.67	12500.000	1250.000	NA
3	100103	266.1367	6	500000	37250.00	2166.667	2166.667	NA
4	100104	266.1367	3	526000	NA	NA	NA	NA
5	100105	266.1367	7	0	42333.33	3333.333	4166.667	NA
6	100106	266.1367	9	0	133958.33	8333.333	5000.000	NA

```

cost.fish2 cost.forestry interest.agri
1 9166.667 NA NA
2 NA 10000.000 NA
3 NA 1666.667 NA
4 NA NA NA
5 NA NA NA
6 NA NA NA

```

8) Receipt. crop

```

> d<-outfiles[[13]][, c("hhid", "q05bc06", "q05bc07", "q05bc09")]
> d[is.na(d)]<-0
> d$rcpt<-(d[, 2]-d[, 3])*d[, 4]

```

```

> df<-tapply(d$rcpt, d$hhid, sum)
> df<-data.frame(hhid=names(df), rcpt.crop=df)
> df[, 2]<-df[, 2]/12
> hhinc<-merge(hhinc, df, by="hhid", all.x=T)

```

9) Receipt.livestock

```

> hhinc.save<-hhinc
> d<-outfiles[[16]][, c("hhid", "q05e1c09", "q05e1c11", "q05e1c12", "q05e1c13",
+ "q05e1c14", "q05e1c15")]
> d[is.na(d)]<-0
> d$rcpt<-rowSums(d[, 2:7])
> df<-tapply(d$rcpt, d$hhid, sum)
> df<-data.frame(hhid=names(df), rcpt.livestock=df)
> df[, 2]<-df[, 2]/12
> hhinc<-merge(hhinc, df, by="hhid", all.x=T)

```

10) Receipt.fish

```

> d<-outfiles[[20]][, c("hhid", "q05f3c03")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), rcpt.fish=df)
> df[, 2]<-df[, 2]/12
> hhinc<-merge(hhinc, df, by="hhid", all.x=T)

```

11) Receipt.forestry

```

> d<-outfiles[[21]][, c("hhid", "q05g1c06")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), rcpt.forestry=df)
> df[, 2]<-df[, 2]/12
> hhinc<-merge(hhinc, df, by="hhid", all.x=T)
> head(hhinc)

```

	hhid	weight	hhsize	salary	cost.crop	cost.livestock1	cost.livestock2	cost.fish1
1	100101	266.1367	5	443000	28266.67	4166.667	1250.000	200000
2	100102	266.1367	4	0	70666.67	12500.000	1250.000	NA
3	100103	266.1367	6	500000	37250.00	2166.667	2166.667	NA

	hhid	weight	hysize	salary	cost.crop	cost.livestock1	cost.livestock2	cost.fish1
4	100104	266.1367	3	526000	NA	NA	NA	NA
5	100105	266.1367	7	0	42333.33	3333.333	4166.667	NA
6	100106	266.1367	9	0	133958.33	8333.333	5000.000	NA

	cost.fish2	cost.forestry	interest.agri	rcpt.crop	rcpt.livestock	rcpt.fish
1	9166.667	NA	NA	64187.5	0.000	23750
2	NA	10000.000	NA	342500.0	2666.667	NA
3	NA	1666.667	NA	43750.0	0.000	NA
4	NA	NA	NA	NA	NA	NA
5	NA	NA	NA	160000.0	1666.667	NA
6	NA	NA	NA	420000.0	21666.667	NA

	rcpt.forestry
1	NA
2	50833.33
3	79166.67
4	NA
5	NA
6	NA

12) Agri. income

```
> hhinc[is.na(hhinc)]<-0
```

```
> hhinc$agri.income<-rowSums(hhinc[, 12:15])-rowSums(hhinc[, 5:11])
```

```
> head(hhinc)
```

	hhid	weight	hysize	salary	cost.crop	cost.livestock1	cost.livestock2	cost.fish1
1	100101	266.1367	5	443000	28266.67	4166.667	1250.000	2e+05
2	100102	266.1367	4	0	70666.67	12500.000	1250.000	0e+00
3	100103	266.1367	6	500000	37250.00	2166.667	2166.667	0e+00
4	100104	266.1367	3	526000	0.00	0.000	0.000	0e+00
5	100105	266.1367	7	0	42333.33	3333.333	4166.667	0e+00
6	100106	266.1367	9	0	133958.33	8333.333	5000.000	0e+00

	cost.fish2	cost.forestry	interest.agri	rcpt.crop	rcpt.livestock	rcpt.fish
1	9166.667	0.000	0	64187.5	0.000	23750
2	0.000	10000.000	0	342500.0	2666.667	0
3	0.000	1666.667	0	43750.0	0.000	0
4	0.000	0.000	0	0.0	0.000	0
5	0.000	0.000	0	160000.0	1666.667	0


```

6      0.000      0.000      0  420000.0      21666.667      0
      rcpt. forestry agri. income
1      0.00 -154912.50
2      50833.33  301583.33
3      79166.67   79666.67
4      0.00      0.00
5      0.00  111833.33
6      0.00  294375.00
> hhinc.save1<-hhinc

```

- Weighted mean of monthly agricultural income

```

> round(sapply(hhinc[, 5:16], function(x) weighted.mean(x, hhinc$weight)))
      cost. crop cost. livestock1 cost. livestock2      cost. fish1      cost. fish2
      54474      12721      20871      1968      7281
cost. forestry interest. agri      rcpt. crop rcpt. livestock      rcpt. fish
      1812      5745      333744      45167      30065
rcpt. forestry      agri. income
      34896      339000

```

Summary

- Weighted mean of each component variable, except “interest.agri”, in the above table is the same as figures derived from the household-level summary file “IncomeCSES09”.
- The sum of “agri.income” and “interst.agri” is equal to “agriincome” of IncomeCSES09. That is, “agri.income” in d45 is calculated from components excluding “interest.agri”.

7.3 NON-AGRI INCOME

No	Variable of income component	File No	Section	Variables to be used	Reference period
	COST				
1	cost.nonagri	24	5H2	q05h2c03 to q05h2c07	12M
2	interest.nonagri	26	6	Subset of q06_c05==2, q06_c08*q06_c07/(100+q06_c08)	1M
	RECEIPT				
3	rcpt.nonagri	25	5H3	Subset of q05h3c01 != 13, q05h3c03 to q05h3c07	12M
4	nonagri.income			The above receipts - costs	

1) Cost.nonagri

```
> d<-outfiles[[24]]
> d[is.na(d)]<-0
> d$cost<-rowSums(d[, 14:18])
> df<-tapply(d$cost,d$hhid,sum)
> df<-data.frame(hhid=names(df),cost.nonagri=df)
> df[,2]<-df[,2]/12
> hhinc<-merge(hhinc,df,by="hhid",all.x=T)
```

2) Interest.nonagri

```
> d<-subset(outfiles[[26]],q06_c05==2)
> d[is.na(d)]<-0
> d$int<-d$q06_c08*d$q06_c07/(100+d$q06_c08)
> df<-tapply(d$int,d$hhid,sum)
> df<-data.frame(hhid=names(df),interest.nonagri=df)
> hhinc<-merge(hhinc,df,by="hhid",all.x=T)
```

3) Receipt.nonagri

```
> d<-subset(outfiles[[25]],q05h3c01!=13)
> d[is.na(d)]<-0
> d$rcpt<-rowSums(d[, 14:18])
> df<-tapply(d$rcpt,d$hhid,sum)
> df<-data.frame(hhid=names(df),rcpt.nonagri=df)
```

```
> df[, 2]<-df[, 2]/12
> hhinc<-merge(hhinc, df, by="hhid", all.x=T)
```

4) Nonagri. income

```
> hhinc[is.na(hhinc)]<-0
> hhinc$nonagri.income<-hhinc$rcpt.nonagri-hhinc$cost.nonagri-hhinc$interest.nonagri
> head(hhinc)
```

	hhid	weight	hhsz	salary	cost.crop	cost.livestock1	cost.livestock2	cost.fish1
1	100101	266.1367	5	443000	28266.67	4166.667	1250.000	2e+05
2	100102	266.1367	4	0	70666.67	12500.000	1250.000	0e+00
3	100103	266.1367	6	500000	37250.00	2166.667	2166.667	0e+00
4	100104	266.1367	3	526000	0.00	0.000	0.000	0e+00
5	100105	266.1367	7	0	42333.33	3333.333	4166.667	0e+00
6	100106	266.1367	9	0	133958.33	8333.333	5000.000	0e+00

	cost.fish2	cost.forestry	interest.agri	rcpt.crop	rcpt.livestock	rcpt.fish
1	9166.667	0.000	0	64187.5	0.000	23750
2	0.000	10000.000	0	342500.0	2666.667	0
3	0.000	1666.667	0	43750.0	0.000	0
4	0.000	0.000	0	0.0	0.000	0
5	0.000	0.000	0	160000.0	1666.667	0
6	0.000	0.000	0	420000.0	21666.667	0

	rcpt.forestry	agri.income	cost.nonagri	interest.nonagri	rcpt.nonagri	nonagri.income
1	0.00	-154912.50	0	0	0	0
2	50833.33	301583.33	0	0	0	0
3	79166.67	79666.67	0	0	0	0
4	0.00	0.00	0	0	0	0
5	0.00	111833.33	37500	0	1166667	1129167
6	0.00	294375.00	16522917	0	210000000	193477083

```
> hhinc.save2<-hhinc
```

- Weighted mean of non-agri income

```
> round(sapply(hhinc[, 17:20], function(x) weighted.mean(x, hhinc$weight)))
```

cost.nonagri	interest.nonagri	rcpt.nonagri	nonagri.income
768447	2872	1108430	337112

7.4 INCOME OWN HOUSE

- Estimating imputed rent is a very difficult work. The survey report describes about this at page 102, as below.

“The method that is used in CSES originates from the view that income from owner occupied house can be treated as an investment and that one can look for an alternative investment of the capital in the owner occupied house. This alternative investment can be the long-term return from Government bonds. Income from owner-occupied dwellings and houses is calculated by subtract the remaining debt from the market value of the dwelling. This value is multiplied by the long-term interest for Government bonds. A problem with this method is that it can yield unreasonable high estimates of imputed rent in large cities with high land values. In Cambodia this is the case in Phnom Penh. To prevent unreasonable high values of imputed rent to distort the results, imputed rent is limited to a maximum 12 million Riels per year.”

Variables used

Item	File No	Section	Variables to be used	Reference period
Long-term interest for Government bonds			a constant of 3%, which is considered an annual rate	
Market value of the dwelling	28	S08	q08_c05: How much would you have to pay to buy a building like this in the village? (in Riels)	
Outstanding loan	26	S06	Subset of q06_c05==7: Primary purpose = Purchase/improvement of dwelling Q06_c07: How much is the outstanding loan now (this month)? Interest should not be included. (in Riels)	
Interest rate	26	S06	q06_c08: If interest is charged, what is the monthly rate of interest? (%)	
income.ownhouse1	{q08_c05 - q06_c07/(1+q06_c08/100)}*0.03/12			
income.ownhouse2	Min{income.ownhouse1, 12*10 ⁶ }			

Note:

- ✓ It is not clear whether the 3% of the long-term interest for Government bonds is monthly or annual.
- ✓ The median of q06_c08 (monthly interest rate) is 3%.
- ✓ In 7,532 cases, the results of using 3% as annual rate are the same as Yearly.Income. This supports that the 3% is annual rate.

1) Market value of the dwelling

```
> oh<-outfiles[[43]][,c("hhid", "weight", "hhsz")]
> d<-outfiles[[28]][,c("hhid", "q08_c05")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), market.value=df)
> oh<-merge(oh, df, by="hhid", all.x=T)
> head(oh)
```

	hhid	weight	hhsz	market.value
1	100101	266.1367	5	2.3e+07
2	100102	266.1367	4	6.0e+05
3	100103	266.1367	6	5.0e+05
4	100104	266.1367	3	2.1e+06
5	100105	266.1367	7	3.6e+07
6	100106	266.1367	9	8.0e+05

2) Remaining debt

```
> d<-outfiles[[26]][,c("hhid", "q06_c05", "q06_c07", "q06_c08")]
> dim(d)
[1] 4732 4
> d<-subset(d, q06_c05==7)
> dim(d)
[1] 302 4
> head(d)
```

	hhid	q06_c05	q06_c07	q06_c08
1	100101	7	1000000	0
2	100105	7	4000000	2
32	101503	7	400000	3
40	101607	7	6000000	0

```
52 101901      7  700000      0
71 102101      7 1000000      2
```

```
> d$remaining.debt<-d$q06_c07/(1+d$q06_c08/100)
```

```
> head(d)
```

```
      hhid q06_c05 q06_c07 q06_c08 remaining.debt
1  100101      7 1000000      0    1000000.0
2  100105      7  400000      2    3921568.6
32 101503      7  400000      3     388349.5
40 101607      7 6000000      0    6000000.0
52 101901      7  700000      0     700000.0
71 102101      7 1000000      2     980392.2
```

```
> df<-tapply(d$remaining.debt,d$hhid,sum)
```

```
> df<-data.frame(hhid=names(df),remaining.debt=df)
```

```
> oh<-merge(oh,df,by="hhid",all.x=T)
```

```
> head(oh)
```

```
      hhid  weight hhsz market.value remaining.debt
1 100101 266.1367    5    2.3e+07    1000000
2 100102 266.1367    4    6.0e+05         NA
3 100103 266.1367    6    5.0e+05         NA
4 100104 266.1367    3    2.1e+06         NA
5 100105 266.1367    7    3.6e+07    3921569
6 100106 266.1367    9    8.0e+05         NA
```

3) Monthly income.ownhouse

```
> oh[is.na(oh)]<-0
```

```
> oh$income.ownhouse1<-(oh$market.value-oh$remaining.debt)*0.03/12
```

```
> oh$income.ownhouse2<-ifelse(oh$income.ownhouse1>10^6,10^6,oh$income.ownhouse1)
```

```
> head(oh)
```

```
      hhid  weight hhsz market.value remaining.debt income.ownhouse1
1 100101 266.1367    5    2.3e+07    1000000    55000.00
2 100102 266.1367    4    6.0e+05         0     1500.00
3 100103 266.1367    6    5.0e+05         0     1250.00
4 100104 266.1367    3    2.1e+06         0     5250.00
5 100105 266.1367    7    3.6e+07    3921569    80196.08
```

```

6 100106 266.1367      9      8.0e+05      0      2000.00
  income.ownhouse2
1      55000.00
2      1500.00
3      1250.00
4      5250.00
5      80196.08
6      2000.00

```

✓ The value of income.ownhouse1 was replaced with the upper limit in 135 cases.

```
> table(oh$income.ownhouse1>10^6)
```

```
FALSE TRUE
```

```
11836 135
```

● Weighted mean of income own house

```

> round(sapply(oh[,4:7], function(x) weighted.mean(x, oh$weight)))
  market.value  remaining.debt income.ownhouse1 income.ownhouse2
      38409505         69648         95850         71933

```

Remarks:

The delegates from Cambodia to the seventh workshop explained the concept and definition of imputed rent used in SES as follows;

“The respondent was asked to impute for their own house but in case they could not impute the respondent was asked impute the same price of the closed (in the village) house has been rented with the similar characteristic of their own housing. “

7.5 PROPERTY INCOME

No	Item	File No	Section	Variables to be used	Reference period
1	bank.interest	27	S07	Subset of q07_c01==7 q07_c05	12M
2	interest.otherloans	27	S07	Subset of q07_c01==9 q07_c05	12M
3	dividends	27	S07	Subset of q07_c01==8 q07_c05	12M
4	rent.fromland	25	S05H3	Subset of q05h3c01==13 q05h3c03 to q05h3c07: Activities	12M
5	gross.property.income	Sum of the above four items			12M
6	interest.paidnet	26	S06	Subset of q06_c05==3-6, 8-10 $Q06_c08 * Q06_c07 / (100 + Q06_c08)$	1M
				q06_c05: What was the primary purpose for which your household borrowed the money?	
7	property.income	= gross.property.income (minus) interest.paidnet			
	primary.income				

```
> pi<-outfiles[[43]][,c("hhid","weight","hhsz")]
```

1) Bank interest

```
> d<-subset(outfiles[[27]],q07_c01==7)[,c("hhid","q07_c05")]
```

```
> dim(d)
```

```
[1] 9 2
```

```
> d
```

```
hhid q07_c05
```

```
2897 802302 4800000
```

```
3712 1200909 1920000
```

```
3880 1204110 1200000
```

```
4049 1207210 4000000
```

```
4131 1209901 240000
```

```
5587 1900105 4000000
```



```

5591 1900206 8000000
6207 2100109 6350400
6688 2103611 120000
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), bank_interest=df)
> df[, 2]<-df[, 2]/12
> pi<-merge(pi, df, by="hhid", all.x=T)
> pi[is.na(pi)]<-0
> head(pi)
      hhid  weight hhsz bank_interest
1 100101 266.1367    5             0
2 100102 266.1367    4             0
3 100103 266.1367    6             0
4 100104 266.1367    3             0
5 100105 266.1367    7             0
6 100106 266.1367    9             0

```

2) Interest. other loans

```

> d<-subset(outfiles[[27]], q07_c01==9) [, c("hhid", "q07_c05")]
> dim(d)
[1] 127  2
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), interest_other_loans=df)
> df[, 2]<-df[, 2]/12
> pi<-merge(pi, df, by="hhid", all.x=T)
> pi[is.na(pi)]<-0

```

3) Dividends

```

> d<-subset(outfiles[[27]], q07_c01==8) [, c("hhid", "q07_c05")]
> dim(d)
[1] 9 2
> d[is.na(d)]<-0

```

```

> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), dividends=df)
> df[, 2]<-df[, 2]/12
> pi<-merge(pi, df, by="hhid", all.x=T)
> pi[is.na(pi)]<-0
> pi.save<-pi

```

4) Rent from land

```

> d<-subset(outfiles[[25]], q05h3c01==13)
> dim(d)
[1] 23 18
> d[is.na(d)]<-0
> head(d)

```

	hhid	province	urbanrural	weight	hhsz	weight3	psu	stratum	surveymonth
917	306109	3	2	247.5491	3	742.6473	3061	32	2
2854	1202001	12	1	229.8146	3	689.4438	12020	121	1
2902	1202704	12	1	351.8365	3	1055.5094	12027	121	10
3024	1204008	12	1	353.0140	6	2118.0840	12040	121	2
3156	1205701	12	1	290.7731	4	1163.0923	12057	121	4
3162	1205703	12	1	290.7731	2	581.5461	12057	121	4

	region	year	hhid_string	q05h3c01	q05h3c03	q05h3c04	q05h3c05	q05h3c06	q05h3c07
917	3	2009	0306109	13	98000	0e+00	0	0	0
2854	1	2009	1202001	13	2400000	0e+00	0	0	0
2902	1	2009	1202704	13	8000000	0e+00	0	0	0
3024	1	2009	1204008	13	700000	0e+00	0	0	0
3156	1	2009	1205701	13	0	6e+06	0	0	0
3162	1	2009	1205703	13	0	1e+07	0	0	0

```

> d$rent<-rowSums(d[, 14:18])
> df<-tapply(d$rent, d$hhid, sum)
> df<-data.frame(hhid=names(df), rent.fromland=df)
> df[, 2]<-df[, 2]/12
> pi<-merge(pi, df, by="hhid", all.x=T)
> pi[is.na(pi)]<-0
> pi.save<-pi

```

5) Gross property income

```
> pi$grossproperty.income<-rowSums(pi[,4:7])
```

```
> head(pi)
```

	hhid	weight	hhsz	bank.interest	interest.otherloans	dividends	rent.fromland
1	100101	266.1367	5	0	0	0	0
2	100102	266.1367	4	0	0	0	0
3	100103	266.1367	6	0	0	0	0
4	100104	266.1367	3	0	0	0	0
5	100105	266.1367	7	0	0	0	0
6	100106	266.1367	9	0	0	0	0

	grossproperty.income
1	0
2	0
3	0
4	0
5	0
6	0

6) Interest paid net

```
> d<-subset(outfiles[[26]], is.element(q06_c05, c(3:6, 8:10)))
```

```
> dim(d)
```

```
[1] 2678 20
```

```
> d[is.na(d)]<-0
```

```
> d$paid<-d$q06_c08*d$q06_c07/(100+d$q06_c08)
```

```
> df<-tapply(d$paid, d$hhid, sum)
```

```
> df<-data.frame(hhid=names(df), interest.paidnet=df)
```

```
> pi<-merge(pi, df, by="hhid", all.x=T)
```

```
> pi[is.na(pi)]<-0
```

```
> pi.save<-pi
```

7) Property income

```
> pi$property.income<-pi$grossproperty.income-pi$interest.paidnet
```

```
> head(pi)
```

	hhid	weight	hhsz	bank.interest	interest.otherloans	dividends	rent.fromland
--	------	--------	------	---------------	---------------------	-----------	---------------

```

1 100101 266.1367    5          0          0          0          0
2 100102 266.1367    4          0          0          0          0
3 100103 266.1367    6          0          0          0          0
4 100104 266.1367    3          0          0          0          0
5 100105 266.1367    7          0          0          0          0
6 100106 266.1367    9          0          0          0          0

```

```

grossproperty.income interest.paidnet property.income
1          0          0          0
2          0          0          0
3          0          0          0
4          0          0          0
5          0          0          0
6          0          0          0

```

```
> pi.save<-pi
```

● Weighted mean

```
> round(sapply(pi[, 4:10], function(x) weighted.mean(x, hhinc$weight)))
```

```

bank. interest  interest.otherloans  dividends  rent.fromland
      173         2066         238         1535
grossproperty.income  interest.paidnet  property.income
      4012         7890        -3879

```

```
> table(pi$property.income>0)
```

```
FALSE TRUE
```

```
11810  161
```

```
> table(pi$property.income<0)
```

```
FALSE TRUE
```

```
10064  1907
```

● Remarks:

Property income is positive in 161 cases, and negative in 1907 cases.

```
# Appended income.ownhouse and property.income to hhinc
> hhinc.save<-hhinc
> hhinc<-merge(hhinc, oh[, c("hhid", "income.ownhouse2")], by="hhid", all.x=T)
> hhinc.save<-hhinc
> hhinc<-merge(hhinc, pi[, -2], by="hhid", all.x=T)
> hhinc.save<-hhinc

# Generated primary income.
> colnames(hhinc)
[1] "hhid"           "hhsz"           "salary"
[4] "cost.crop"      "cost.livestock1" "cost.livestock2"
[7] "cost.fish1"     "cost.fish2"     "cost.forestry"
[10] "interest.agri"  "rcpt.crop"      "rcpt.livestock"
[13] "rcpt.fish"      "rcpt.forestry"  "agri.income"
[16] "cost.nonagri"   "interest.nonagri" "rcpt.nonagri"
[19] "nonagri.income" "income.ownhouse2" "bank.interest"
[22] "interest.otherloans" "dividents" "rent.fromland"
[25] "grossproperty.income" "interest.paidnet" "property.income"
> hhinc$primary.income<-rowSums(hhinc[, c(3, 15, 19, 20, 27)])
```

7.6 TRANSFERS RECEIVED

No	Item	File No	Section	Variables to be used	Reference period
1	pension. domestic	27	S07	Subset of q07_c01==1 q07_c03	12M
2	pension. abroad	27	S07	Subset of q07_c01==1 q07_c04	12M
3	pension	= pension. domestic + pension. abroad			12M
4	ngo. transfer	27	S07	Subset of q07_c01==5 q07_c05	12M
5	remittance. domestic1	27	S07	Subset of q07_c01==2: Remittances from other relatives or others(not reported in current migration section) q07_c03	12M
	remittance. domestic2	9	S03B	Subset of q03bc05b>0: Total value of the transfers and cash gifts sent to the household q03bc12	12M
6	remittance. abroad1	27	S07	Subset of q07_c01==2 q07_c04	12M
	remittance. abroad2	9	S03B	Subset of q03bc05c>0 q03bc12	12M
7	total. private. transfers	= remittance. domestic + remittance. abroad			12M
8	scholarship. government	27	S07	Subset of q07_c01==3 q07_c05	12M
9	scholarship. ngo	27	S07	Subset of q07_c01==4 q07_c05	12M
10	total. scholarship	= scholarship. government + scholarship. ngo			12M
11	gifts	27	S07	Subset of q07_c01==10, 11 q07_c05	12M
12	other. transfer	27	S07	Subset of q07_c01==12 q07_c05	12M
13	total. transfers	Sum of the above 6 items			12M

```
> tr<-outfiles[[43]][, c("hhid", "weight", "hhsz")]
```

1) Pension domestic

```
> d<-subset(outfiles[[27]], q07_c01==1)[, c("hhid", "q07_c03")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), pension.domestic=df)
> df[, 2]<-df[, 2]/12
> tr<-merge(tr, df, by="hhid", all.x=T)
> tr[is.na(tr)]<-0
```

2) Pension abroad

```
> d<-subset(outfiles[[27]], q07_c01==1)[, c("hhid", "q07_c04")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), pension.abroad=df)
> df[, 2]<-df[, 2]/12
> tr<-merge(tr, df, by="hhid", all.x=T)
> tr[is.na(tr)]<-0
```

3) Total pension

```
> tr$pension<-tr$pension.domestic+tr$pension.abroad
> tr.save<-tr
> head(tr)
```

	hhid	weight	hhsz	pension.domestic	pension.abroad	pension
1	100101	266.1367	5	0	0	0
2	100102	266.1367	4	0	0	0
3	100103	266.1367	6	0	0	0
4	100104	266.1367	3	0	0	0
5	100105	266.1367	7	0	0	0
6	100106	266.1367	9	0	0	0

```
> table(tr$pension>0)
```

```
FALSE TRUE
```

```
11770 201
```

4) NGO transfers

```

> d<-subset(outfiles[[27]], q07_c01==5) [, c("hhid", "q07_c05")]
> dim(d)
[1] 366  2
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), ngo.transfers=df)
> df[, 2]<-df[, 2]/12
> tr<-merge(tr, df, by="hhid", all.x=T)
> tr[is.na(tr)]<-0

```

5) Remittance domestic

```

> d<-subset(outfiles[[27]], q07_c01==2) [, c("hhid", "q07_c03")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), remittance.domestic1=df)
> df[, 2]<-df[, 2]/12
> tr<-merge(tr, df, by="hhid", all.x=T)
> tr[is.na(tr)]<-0

```

```

> d<-subset(outfiles[[9]], q03bc05b>0) [, c("hhid", "q03bc12")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), remittance.domestic2=df)
> df[, 2]<-df[, 2]/12
> tr<-merge(tr, df, by="hhid", all.x=T)
> tr[is.na(tr)]<-0
> head(tr)

```

	hhid	weight	hhsz	pension.domestic	pension.abroad	pension	ngo.transfers
1	100101	266.1367	5	0	0	0	0
2	100102	266.1367	4	0	0	0	0
3	100103	266.1367	6	0	0	0	0
4	100104	266.1367	3	0	0	0	0
5	100105	266.1367	7	0	0	0	0


```

6 100106 266.1367      9          0          0          0          0
  remittance.domestic1 remittance.domestic2
1          0.0          0
2          0.0          0
3          0.0          0
4          0.0          0
5        416666.7          0
6          0.0          0
> table(tr$remittance.domestic1+tr$remittance.domestic2>0)
FALSE  TRUE
8324  3647

```

6) Remittance abroad

```

> d<-subset(outfiles[[27]], q07_c01==2) [, c("hhid", "q07_c04")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), remittance.abroad1=df)
> df[, 2]<-df[, 2]/12
> tr<-merge(tr, df, by="hhid", all.x=T)
> tr[is.na(tr)]<-0

> d<-subset(outfiles[[9]], q03bc05c>0) [, c("hhid", "q03bc12")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), remittance.abroad2=df)
> df[, 2]<-df[, 2]/12
> tr<-merge(tr, df, by="hhid", all.x=T)
> tr[is.na(tr)]<-0
> tr.save<-tr
> table(tr$remittance.abroad1+tr$remittance.abroad2>0)
FALSE  TRUE
11431   540

```

7) Total private transfers

```

> colnames(tr)
[1] "hhid"          "hhsz"          "pension.domestic"

```

```

[4] "pension.abroad"      "pension"              "ngo.transfers"
[7] "remittance.domestic1" "remittance.domestic2" "remittance.abroad1"
[10] "remittance.abroad2"
> tr$total.private.transfers<-rowSums(tr[, 7:10])
> tr.save<-tr

```

8) Scholarship government

```

> d<-subset(outfiles[[27]], q07_c01==3) [, c("hhid", "q07_c05")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), scholarship.gov=df)
> df[, 2]<-df[, 2]/12
> tr<-merge(tr, df, by="hhid", all.x=T)
> tr[is.na(tr)]<-0

```

9) Scholarship NGO

```

> d<-subset(outfiles[[27]], q07_c01==4) [, c("hhid", "q07_c05")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), scholarship.ngo=df)
> df[, 2]<-df[, 2]/12
> tr<-merge(tr, df, by="hhid", all.x=T)
> tr[is.na(tr)]<-0

```

10) Total scholarship

```

> tr$total.scholarship<-tr$scholarship.gov+tr$scholarship.ngo
> tr.save<-tr
> head(tr)

```

	hhid	weight	hhsz	pension.domestic	pension.abroad	pension	ngo.transfers
1	100101	266.1367	5	0	0	0	0
2	100102	266.1367	4	0	0	0	0
3	100103	266.1367	6	0	0	0	0
4	100104	266.1367	3	0	0	0	0
5	100105	266.1367	7	0	0	0	0

6	100106	266.1367	9	0	0	0	0
		remittance.domestic1	remittance.domestic2	remittance.abroad1	remittance.abroad2		
1		0.0	0	0.00	0		
2		0.0	0	0.00	0		
3		0.0	0	0.00	0		
4		0.0	0	0.00	0		
5		416666.7	0	0.00	0		
6		0.0	0	66666.67	0		
		total.private.transfers	scholarship.gov	scholarship.ngo	total.scholarship		
1		0.00	0	0	0		
2		0.00	0	0	0		
3		0.00	0	0	0		
4		0.00	0	0	0		
5		416666.67	0	0	0		
6		66666.67	0	0	0		

```
> table(tr$scholarship.gov>0)
```

```
FALSE TRUE
```

```
11896 75
```

```
> table(tr$scholarship.ngo>0)
```

```
FALSE TRUE
```

```
11866 105
```

11) Gifts

```
> d<-subset(outfiles[[27]], q07_c01==10|q07_c01==11)[, c("hhid", "q07_c05")]
```

```
> d[is.na(d)]<-0
```

```
> df<-tapply(d[, 2], d$hhid, sum)
```

```
> df<-data.frame(hhid=names(df), gifts=df)
```

```
> df[, 2]<-df[, 2]/12
```

```
> tr<-merge(tr, df, by="hhid", all.x=T)
```

```
> tr[is.na(tr)]<-0
```

12) Other transfers

```

> d<-subset(outfiles[[27]], q07_c01==12) [, c("hhid", "q07_c05")]
> d[is.na(d)]<-0
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), other.transfers=df)
> df[, 2]<-df[, 2]/12
> tr<-merge(tr, df, by="hhid", all.x=T)
> tr[is.na(tr)]<-0

```

13) Total transfers

```

> colnames(tr)
[1] "hhid"          "weight"        "hhsz"
[4] "pension.domestic" "pension.abroad" "pension"
[7] "ngo.transfers"   "remittance.domestic1" "remittance.domestic2"
[10] "remittance.abroad1" "remittance.abroad2" "total.private.transfers"
[13] "scholarship.gov" "scholarship.ngo" "total.scholarship"
[16] "gifts"          "other.transfers"
> tr$total.transfers<-rowSums(tr[, c(6, 7, 12, 15:17)])
> tr.save<-tr
> table(tr$total.transfers>0)
FALSE TRUE
5873 6098

```

● Weighted mean of transfers received

```

> round(sapply(tr[, 4:17], function(x) weighted.mean(x, hhinc$weight)))

```

pension.domestic	pension.abroad	pension
1683	224	1907
ngo.transfers	remittance.domestic1	remittance.domestic2
504	6801	7765
remittance.abroad1	remittance.abroad2	total.private.transfers
7243	4427	22313
scholarship.gov	scholarship.ngo	total.scholarship
395	389	784
gifts	other.transfers	
2167	14097	

14) Total income

```
> hhinc<-merge(hhinc, tr[, -2], by="hhid", all.x=T)
> hhinc$total.income<-hhinc$primary.income+hhinc$total.transfers
> hhinc.save<-hhinc
```

7.7 NEGATIVE TRANSFERS (TRANSFERS PAID)

- There is a description about negative transfers in the survey report as the next.

“The CSES data has been collected both as recall data and as data from a diary. An ongoing discussion is what method is to be preferred or if there should be a combination of both. A special report handles this issue. For the purpose to look on the two methods for measuring income, an investigation was carried out. Checking was done to compare data in CSES with National Accounts. This investigation ended in using recall data for income data and diary for negative transfers as taxes, transfers to other households and for charity. For these expenditures there existed no recall data. The reasons for this decision were that it is more relevant to use data for a whole year for income and expenditure for production costs and income for agriculture sector. Also with comparison with National Accounts it looked more stable. This is also in accordance to the recommendations in the report Guidelines for Constructing Consumption Aggregates for Welfare Analysis, which says that it’s hard to collect income data from diaries in countries where income from agriculture is important as the income tends to fluctuate a lot over the seasons.” (at page 103)

- The report also describes of “Dealing with negative incomes”.

“It’s not unusual for households to have deficits or negative incomes. Almost 4 percent of all households have a disposable income less than 0. For households with income from agriculture and non-agriculture, around 8 percent of the household have negative income. In this work negative incomes have been replaced by 4000 Riels, around 1 USD. This method takes away the problem with negative incomes but still give us the opportunity to measure activity in each sector, which wouldn’t be the case if we replaced the negative numbers with 0.” (at page 103)

Negative transfers from Diary data

Item	File	Variables to be used	Reference period
Tax	DiaryExpenditure	Subset of DiaryExp_Q10==11 DiaryExp_Q10	1M
Inter HH transfers	DiaryExpenditure	Subset of DiaryExp_Q10==7 and DiaryExp_Q8==1 or 2 DiaryExp_Q10	1M
Cash transfer charity	DiaryExpenditure	Subset of DiaryExp_Q10==8 and	1M

		DiaryExp_Q8==1 or 2 DiaryExp_Q10	
Total negative transfers	Sum of the above		1M
disposable.income1	= total.income (minus) total.negative.transfers		1M
disposable.income2	Replaced by 4,000 if disposable.income1<0		1M

```
# DE: DiaryExpenditure
```

```
> DE<-outfiles[[1]]
```

```
> dim(DE)
```

```
[1] 2620999      23
```

```
> head(DE)
```

```

      hhid province urbanrural   weight hsize  weight3  psu stratum surveymonth region
1 100101      1           1 266.1367    5 1330.683 1001      11          1      2
2 100101      1           1 266.1367    5 1330.683 1001      11          1      2
3 100101      1           1 266.1367    5 1330.683 1001      11          1      2
4 100101      1           1 266.1367    5 1330.683 1001      11          1      2
5 100101      1           1 266.1367    5 1330.683 1001      11          1      2
6 100101      1           1 266.1367    5 1330.683 1001      11          1      2

      year  pkid hhid_string lineid diaryexp_q2 diaryexp_q5 diaryexp_q6 diaryexp_q7
1 2009 65201   0100101   101      101          4          500          7500
2 2009 65203   0100101   102      101          4          500          1200
3 2009 65206   0100101   103      201          9           2          3000
4 2009 65208   0100101   104      201         10          NA          1500
5 2009 65211   0100101   105      201          5           2          5200
6 2009 65213   0100101   106      201          4          300          3500

      diaryexp_q8 diaryexp_q9 diaryexp_q10 diaryexp_q11 diaryexp_q2_string
1           1           2           1          1090           0101
2           1           2           1          1354           0101
3           1           2           1          6010           0201
4           1           4           1          5440           0201
5           1           2           1          5060           0201
6           1           2           1          1090           0201

```

```
> table(DE$diaryexp_q10)
      1      2      3      4      5      6      7      8      9     10     11
2471099 41166  5494   102 88858   872   826 11052   187   415   539
      12
      389
```

```
# Negative transfers
```

```
> nt<-outfiles[[43]][,c("hhid","weight","hhsz")]
```

```
# Tax
```

```
> d<-subset(DE, diaryexp_q10==11)[,c("hhid","diaryexp_q7")]
```

```
> dim(d)
```

```
[1] 539  2
```

```
> d[is.na(d)]<-0
```

```
> df<-tapply(d[,2],d$hhid,sum)
```

```
> df<-data.frame(hhid=names(df),tax=df)
```

```
> head(df)
```

```
      hhid  tax
100106 100106 5000
100203 100203  100
100604 100604 1000
101409 101409 2500
101910 101910 7000
102003 102003 3000
```

```
> nt<-merge(nt,df,by="hhid",all.x=T)
```

```
> nt[is.na(nt)]<-0
```

```
> head(nt)
```

```
      hhid  weight hhsz  tax
1 100101 266.1367    5    0
2 100102 266.1367    4    0
3 100103 266.1367    6    0
4 100104 266.1367    3    0
5 100105 266.1367    7    0
6 100106 266.1367    9 5000
```

```
> nt.save<-nt
```


Inter HH transfers

```
> d<-subset(DE, diaryexp_q10==7&(diaryexp_q8==1|diaryexp_q8==2))
> d<-d[, c("hhid", "diaryexp_q7")]
> d[is.na(d)]<-0
> dim(d)
[1] 567  2
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), interhh.transfers=df)
> nt<-merge(nt, df, by="hhid", all.x=T)
> nt[is.na(nt)]<-0
> nt.save<-nt
> head(nt)
```

	hhid	weight	hhsz	tax	interhh.transfers
1	100101	266.1367	5	0	0
2	100102	266.1367	4	0	15200
3	100103	266.1367	6	0	0
4	100104	266.1367	3	0	0
5	100105	266.1367	7	0	0
6	100106	266.1367	9	5000	0

Cash transfer charity

```
> d<-subset(DE, diaryexp_q10==8&diaryexp_q8==1)[, c("hhid", "diaryexp_q7")]
> d[is.na(d)]<-0
> dim(d)
[1] 10066  2
> df<-tapply(d[, 2], d$hhid, sum)
> df<-data.frame(hhid=names(df), transfer.charity=df)
> nt<-merge(nt, df, by="hhid", all.x=T)
> nt[is.na(nt)]<-0
> nt.save<-nt
> head(nt)
```

	hhid	weight	hhsz	tax	interhh.transfers	transfer.charity
1	100101	266.1367	5	0	0	0
2	100102	266.1367	4	0	15200	0

3	100103	266.1367	6	0	0	0
4	100104	266.1367	3	0	0	0
5	100105	266.1367	7	0	0	0
6	100106	266.1367	9	5000	0	3500

Negative transfers

```
> nt$negative.transfers<-rowSums(nt[,4:6])
```

```
> nt.save<-nt
```

```
> head(nt)
```

	hhid	weight	hhsz	tax	interhh.transfers	transfer.charity	negative.transfers
1	100101	266.1367	5	0	0	0	0
2	100102	266.1367	4	0	15200	0	15200
3	100103	266.1367	6	0	0	0	0
4	100104	266.1367	3	0	0	0	0
5	100105	266.1367	7	0	0	0	0
6	100106	266.1367	9	5000	0	3500	8500

● Weighted mean of negative transfers

```
> round(sapply(nt[,4:7], function(x) weighted.mean(x, hhinc$weight)))
```

tax	interhh.transfers	transfer.charity	negative.transfers
285	2264	13713	16262

Appended negative transfers to hhinc and generated disposable.income1

```
> hhinc<-merge(hhinc, nt[, -2], by="hhid", all.x=T)
```

```
> hhinc$disposable.income1<-hhinc$total.income-hhinc$negative.transfers
```

```
> hhinc.save<-hhinc
```

disposable.income2

```
> hhinc$disposable.income2<-ifelse(hhinc$disposable.income1<0,  
+ 4000, hhinc$disposable.income1)
```

```
> hhinc.save<-hhinc
```

Chapter 8. Demography

8.1 Demographic characteristics

```
# outfiles[[3]]: S01A.hhmembers
> dim(outfiles[[3]])
[1] 57105    32
> d<-outfiles[[3]]

# Appended person weight
> library(foreign)
> persweight<-read.dta("persweight.dta" )
> dim(persweight)
[1] 57105    3
> head(persweight)
      hhid    persid persweight
1 0100101 010010101   299.1656
2 0100101 010010102   267.6359
3 0100101 010010103   267.6359
4 0100101 010010104   267.6359
5 0100101 010010105   299.1656
6 0100102 010010201   299.1656
> str(persweight)
'data.frame':   57105 obs. of  3 variables:
 $ hhid      : chr  "0100101" "0100101" "0100101" "0100101" ...
 $ persid    : chr  "010010101" "010010102" "010010103" "010010104" ...
 $ persweight: num  299 268 268 268 299 ...
> table(d$persid==as.integer(persweight$persid))
TRUE
57105
> d<-data.frame(d, wt=persweight$persweight)
```

- Coverage of household members

The delegates from Cambodia to the seventh workshop clarified as follows;

- *A person is counted as a household member if he/she lives here or has been absent for*

less than 12 months.

- *A person who has moved out of the household more than one year ago but still visit the household but only occasionally, like only during big holidays a few times a year, is not considered a part of the household. However, a person has a separate residence since more than one year but comes home regularly, on average once a month or more often, is still considered as a part of the household (e.g. garment workers).*

```
# Estimated population by urban/rural (in thousand)
```

```
> t<-round(tapply(d$wt, d$urbanrural, sum)/1000)
```

```
> names(t)<-c("Urban", "Rural")
```

```
> addmargins(t)
```

```
Urban Rural    Sum
```

```
2723 11244 13967
```

```
# Estimated population by sex (in thousand)
```

```
> t<-round(tapply(d$wt, d$q01ac03, sum)/1000)
```

```
> names(t)<-c("Male", "Female")
```

```
> addmargins(t)
```

```
Male Female    Sum
```

```
6811   7155 13966
```

```
# Ethnicity of population aged 15 and over by geographical domains
```

```
> d15<-subset(d, q01ac05>=15)
```

```
> m<-round(tapply(d15$wt, list(d15$q01ac11a, d15$region), sum)/1000)
```

```
> m[is.na(m)]<-0
```

```
> ethnic<-c("Khmer", "Cham", "Other local ethnic group", "Chinese",  
+ "Vietnamese", "Thai", "Lao", "Other")
```

```
> rownames(m)<-ethnic
```

```
> colnames(m)<-c("Phnom Penh", "Other urban", "Other Rural")
```

```
> m1<-addmargins(m, 2)
```

```
> round(prop.table(m1, 2)*100, 1)
```

```
Phnom Penh Other urban Other Rural    Sum
```

Khmer	97.3	98.5	95.4	95.9
Cham	1.5	1.0	2.8	2.5
Other local ethnic group	0.0	0.0	1.4	1.1
Chinese	0.0	0.0	0.0	0.0
Vietnamese	1.1	0.4	0.3	0.4
Thai	0.0	0.1	0.0	0.0
Lao	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.1	0.0

```
> addmargins(m1, 1)
```

	Phnom Penh	Other urban	Other Rural	Sum
Khmer	1027	996	7062	9085
Cham	16	10	209	235
Other local ethnic group	0	0	103	103
Chinese	0	0	2	2
Vietnamese	12	4	24	40
Thai	0	1	1	2
Lao	0	0	0	0
Other	0	0	4	4
Sum	1055	1011	7405	9471

- Khmer occupies 96% of the total population.

```
# Household size
```

```
> hhsize<-tapply(d$persid, d$hhid, length)
```

```
> length(hhsize)
```

```
[1] 11971
```

- It is completely the same as hhsize of d43

```
> table(hhsize==outfiles[[43]]$hhsize)
```

```
TRUE
```

```
11971
```

- Household size of 5.03 persons in Cambodia is relatively large.

```
# Household size by geographical domain
```

```
> t<-by(d43, d43$region, function(df) weighted.mean(df$hhsz, df$weight))
```

```
> tv<-as.vector(t)
```

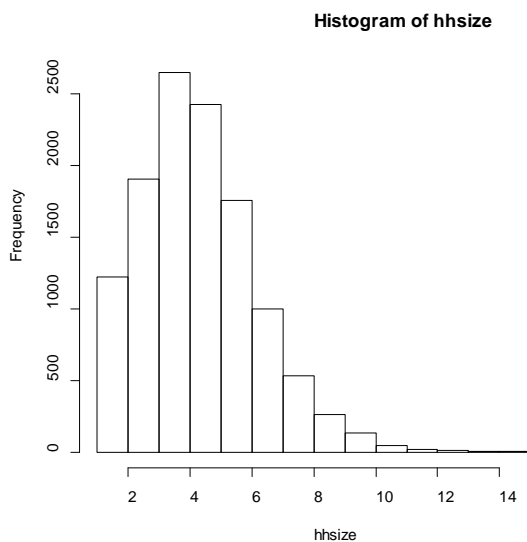
```
> names(tv)<-c("Phnom Penh", "Other urban", "Other Rural")
```

```
> round(tv, 2)
```

Phnom Penh	Other urban	Other Rural
5.03	4.78	4.75

```
# Histogram of hhsz of sample households
```

```
> hist(hhsz)
```



```
> summary(hhsz)
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
1.00	3.00	5.00	4.77	6.00	15.00

- Household head

There are one household head in every household.

```
> dh<-subset(d, q01ac06==1)
```

```
> dim(dh)
```

```
[1] 11971    24
> table(tapply(dh$persid, dh$hhid, length))
      1
11971
```

- Spouse

There are 5 households with two spouses. However they might be coding errors.

- Regarding query on actual situation of multiple wives, the delegates from Cambodia to the seventh workshop replied “Yes that can be more than one spouse in the sample household”.

```
> ds<-subset(d, q01ac06==2)
> t<-tapply(ds$persid, ds$hhid, length)
> table(t)
t
  1    2
9496   5
> t[t==2]
0102509 0102805 0304720 1800815 2102220
      2      2      2      2      2
> hhid.ds<-names(t[t==2])
> hhid.ds      # hhid with double spouses
[1] "0102509" "0102805" "0304720" "1800815" "2102220"
> df<-d[, c(1, 2, 16, 20, 21, 24)]
> colnames(df)<-c("hhid", "persid", "sex", "age", "relation", "marital")
> for(j in hhid.ds) {
+   cat(j, "\n")
+   print(df[df$hhid==j, ])
+ }
```

Roster of households with double spouses

```
0102509
      hhid    persid sex age relation marital
1393 0102509 010250901   1  41         1      1
```

1394	0102509	010250902	2	37	2	1	
1395	0102509	010250903	1	19	3	4	
1396	0102509	010250904	2	17	2	4	# Should be a daughter (3)
1397	0102509	010250905	1	15	3	4	
1398	0102509	010250906	2	11	3	NA	
1399	0102509	010250907	1	6	3	NA	

0102805

	hhid	persid	sex	age	relation	marital	
1686	0102805	010280501	1	44	1	1	
1687	0102805	010280502	2	30	2	1	
1688	0102805	010280503	2	5	3	NA	
1689	0102805	010280504	1	3	3	NA	
1690	0102805	010280505	2	63	2	3	# Should be a mother (6)

0304720

	hhid	persid	sex	age	relation	marital	
10924	0304720	030472001	2	35	1	1	
10925	0304720	030472002	1	41	2	1	
10926	0304720	030472003	1	17	3	4	
10927	0304720	030472004	1	14	3	4	
10928	0304720	030472005	1	10	3	NA	
10929	0304720	030472006	1	7	2	NA	# Should be a son (3)
10930	0304720	030472007	1	4	3	NA	
10931	0304720	030472008	2	0	3	NA	

1800815

	hhid	persid	sex	age	relation	marital	
49246	1800815	180081501	2	37	1	1	
49247	1800815	180081502	1	26	2	1	
49248	1800815	180081503	1	17	3	4	
49249	1800815	180081504	2	15	3	4	
49250	1800815	180081505	2	13	3	4	
49251	1800815	180081506	1	7	2	NA	# Should be a son (3)

2102220

	hhid	persid	sex	age	relation	marital
54386	2102220	210222001	1	35	1	1
54387	2102220	210222002	2	35	2	1
54388	2102220	210222003	2	12	3	NA


```
54389 2102220 210222004 2 4 3 NA
54390 2102220 210222005 2 73 2 3 # Should be a mother (6)
```

- Revision of errors of relationship

File: outfiles[[3]]: S01A.hhmembers

persid	Error code in q01ac06 (Relationship to the head)	Revision
010250904	2	3
010280505	2	6
030472006	2	3
180081506	2	3
210222005	2	6

- Estimated number of households by sex of the household head

Generated a subset of household heads in S01A.hhmembers

```
> df<-subset(d,q01ac06==1)
> dim(df)
[1] 11971 33
> df<-df[,c(1,2,16,5,33)]
> colnames(df)[3:5]<-c("sex","hhwt","perswt")
> head(df)
      hhid persid sex  hhwt perswt
1  100101 10010101 1 266.1367 299.1656
6  100102 10010201 1 266.1367 299.1656
10 100103 10010301 1 266.1367 299.1656
16 100104 10010401 2 266.1367 267.6359
19 100105 10010501 1 266.1367 299.1656
26 100106 10010601 1 266.1367 299.1656
```

```
# Estimated number of household by sex of the household head (using household weight)
```

```
> t1<-tapply(df$hhwt, df$sex, sum)
```

```
> names(t1)<-c("Male", "Female")
```

```
> round(addmargins(t1)/1000, 0)
```

Male	Female	Sum	
2305	634	2939	(in thousand)

```
> round(prop.table(t1)*100, 1)
```

Male	Female	
78.4	21.6	(%)

```
# Estimated number of household head by sex (using person weight)
```

```
> t2<-tapply(df$perswt, df$sex, sum)
```

```
> names(t2)<-c("Male", "Female")
```

```
> round(addmargins(t2)/1000, 0)
```

Male	Female	Sum	
2302	629	2931	(in thousand)

```
> round(prop.table(t2)*100, 1)
```

Male	Female	
78.5	21.5	(%)

Remarks:

There is a small gap between the results using household weight and that using person weight.

- Age heaping

Age heaping is not significant.

```
# Number of sample household members by single year of age and sex
```

```
> t<-table(d$q01ac05, d$q01ac03)
```

```
> colnames(t)<-c("Male", "Female")
```

```
> addmargins(t, 2)
```

	Male	Female	Sum
0	672	599	1271
1	550	534	1084

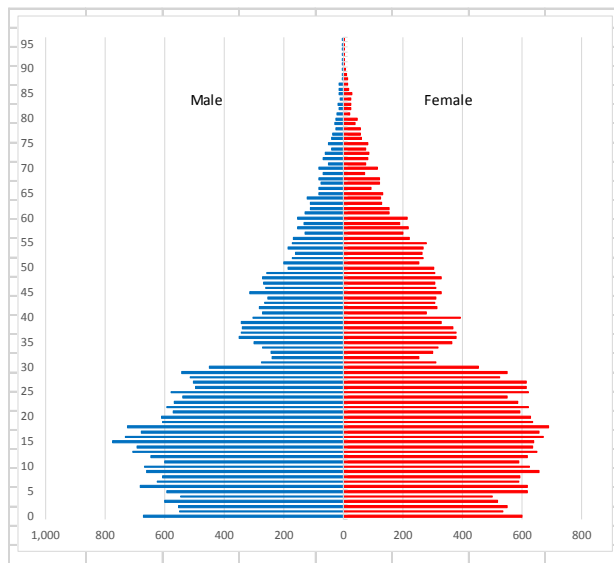
2	553	549	1102
3	602	515	1117
4	547	498	1045
5	595	616	1211
6	683	618	1301
7	627	589	1216
8	607	590	1197
9	662	657	1319
10	668	623	1291
11	599	589	1188
12	647	618	1265
13	709	649	1358
14	695	633	1328
15	774	639	1413
16	731	670	1401
17	679	657	1336
18	724	689	1413
19	608	634	1242
20	612	627	1239
21	571	593	1164
22	593	619	1212
23	569	585	1154
24	539	549	1088
25	580	620	1200
26	498	614	1112
27	503	612	1115
28	514	522	1036
29	544	548	1092
30	451	453	904
31	277	309	586
32	241	254	495
33	243	300	543
34	274	317	591
35	302	362	664
36	351	378	729
37	343	377	720

38	339	368	707
39	345	328	673
40	304	392	696
41	271	279	550
42	282	314	596
43	264	305	569
44	253	308	561
45	314	329	643
46	261	311	572
47	268	306	574
48	271	329	600
49	257	306	563
50	187	303	490
51	201	251	452
52	171	268	439
53	162	262	424
54	188	267	455
55	172	276	448
56	168	219	387
57	131	198	329
58	155	218	373
59	133	188	321
60	156	214	370
61	129	153	282
62	113	154	267
63	110	129	239
64	121	124	245
65	84	130	214
66	83	91	174
67	77	120	197
68	82	119	201
69	70	72	142
70	83	112	195
71	51	74	125
72	68	82	150
73	61	85	146

74	39	74	113
75	50	82	132
76	42	58	100
77	37	57	94
78	27	57	84
79	28	39	67
80	26	46	72
81	24	22	46
82	15	25	40
83	20	25	45
84	12	24	36
85	16	27	43
86	14	16	30
87	15	13	28
88	5	12	17
89	6	9	15
90	2	5	7
91	1	3	4
92	2	3	5
93	2	2	4
94	1	4	5
95	1	3	4
96	1	2	3

```
> write.table(t, file="clipboard", sep="¥t")
```

Fig. Number of sample household members by single year of age and sex
(Population pyramid)



8.2 Household structure

```
# Maximum household size is 15.
```

```
> range(hhsize)
```

```
[1] 1 15
```

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

Layout of records to be generated

hhid	No of persons by relationship						Relationship of each person					Marital status of each person					Sex of each person					Age of each person				
	T	1	2	3	...	15	1	2	3	...	15	1	2	3	...	15	1	2	3	...	15	1	2	3	...	15

Data File: outfiles[[3]]: S01A.hhmembers

Variables:

q01ac01: ID of household member (1 to max 15)

q01ac03: sex

q01ac05: age

q01ac06: relationship to the head

q01ac09: marital status

```
> df<-outfiles[[3]][,c("hhid", "persid", "q01ac01", "q01ac03", "q01ac05", "q01ac06", "q01ac09")]
```

```
> colnames(df)<- c("hhid", "persid", "no", "sex", "age", "relation", "marital")
```

```
> head(df)
```

```

      hhid  persid no sex age relation marital
1 0100101 010010101 1  1  38         1      1
2 0100101 010010102 2  2  34         2      1
3 0100101 010010103 3  2  13         3      4
4 0100101 010010104 4  2   8         3     NA
5 0100101 010010105 5  1   1         3     NA
6 0100102 010010201 1  1  39         1      1
```

```

✓ Created data frame ft: family type
> ft<-data.frame(hhid=names(hhsz), hhsz=hhsz, row.names=NULL)
> head(ft)
      hhid hhsz
1 0100101    5
2 0100102    4
3 0100103    6
4 0100104    3
5 0100105    7
6 0100106    9
> dim(ft)
[1] 11971    2
> for(j in 1:15){
+ d<-subset(df, relation==j)
+ nj<-tapply(d$persid, d$hhid, length)
+ dj<-data.frame(hhid=names(nj), nj)
+ ft<-merge(ft, dj, by="hhid", all.x=T)
+ colnames(ft)[ncol(ft)]<-paste("n", j, sep="")
+ }
> dim(ft)
[1] 11971   17
> head(ft)
      hhid hhsz n1 n2 n3 n4 n5 n6 n7 n8 n9 n10 n11 n12 n13 n14 n15
1 0100101    5  1  1  3 NA NA NA NA NA NA NA NA NA NA NA NA
2 0100102    4  1  1  2 NA NA NA NA NA NA NA NA NA NA NA NA
3 0100103    6  1  1  4 NA NA NA NA NA NA NA NA NA NA NA NA
4 0100104    3  1  1  1 NA NA NA NA NA NA NA NA NA NA NA NA
5 0100105    7  1  1  5 NA NA NA NA NA NA NA NA NA NA NA NA
6 0100106    9  1  1  3 NA NA NA NA  3 NA  1 NA NA NA NA NA
> ft.old<-ft

# Relationship, marital status, sex and age by person number
> for(j in 1:15){
+ d<-subset(df, no==j)[, c("hhid", "relation", "marital", "sex", "age")]
+ colnames(d)<-c("hhid", paste(c("r", "m", "s", "a"), j, sep=""))
+ ft<-merge(ft, d, by="hhid", all.x=T)

```



```

+ }
> dim(ft)
[1] 11971    77
> colnames(ft)
[1] "hhid" "hhsz" "n1"  "n2"  "n3"  "n4"  "n5"  "n6"  "n7"  "n8"
[11] "n9"   "n10"  "n11"  "n12"  "n13"  "n14"  "n15"  "r1"   "m1"   "s1"
[21] "a1"   "r2"   "m2"   "s2"   "a2"   "r3"   "m3"   "s3"   "a3"   "r4"
[31] "m4"   "s4"   "a4"   "r5"   "m5"   "s5"   "a5"   "r6"   "m6"   "s6"
[41] "a6"   "r7"   "m7"   "s7"   "a7"   "r8"   "m8"   "s8"   "a8"   "r9"
[51] "m9"   "s9"   "a9"   "r10"  "m10"  "s10"  "a10"  "r11"  "m11"  "s11"
[61] "a11"  "r12"  "m12"  "s12"  "a12"  "r13"  "m13"  "s13"  "a13"  "r14"
[71] "m14"  "s14"  "a14"  "r15"  "m15"  "s15"  "a15"

> ft.old2<-ft

# Ordered the variables as designed
> ft<-ft[, c(1:17, seq(18, 74, by=4), seq(19, 75, by=4), seq(20, 76, by=4), seq(21, 77, by=4))]
> colnames(ft)
[1] "hhid" "hhsz" "n1"  "n2"  "n3"  "n4"  "n5"  "n6"  "n7"  "n8"
[11] "n9"   "n10"  "n11"  "n12"  "n13"  "n14"  "n15"  "r1"   "r2"   "r3"
[21] "r4"   "r5"   "r6"   "r7"   "r8"   "r9"   "r10"  "r11"  "r12"  "r13"
[31] "r14"  "r15"  "m1"   "m2"   "m3"   "m4"   "m5"   "m6"   "m7"   "m8"
[41] "m9"   "m10"  "m11"  "m12"  "m13"  "m14"  "m15"  "s1"   "s2"   "s3"
[51] "s4"   "s5"   "s6"   "s7"   "s8"   "s9"   "s10"  "s11"  "s12"  "s13"
[61] "s14"  "s15"  "a1"   "a2"   "a3"   "a4"   "a5"   "a6"   "a7"   "a8"
[71] "a9"   "a10"  "a11"  "a12"  "a13"  "a14"  "a15"

> ft.old3<-ft
> ft[is.na(ft)]<-0
> head(ft)
      hhid hhsz n1 n2 n3 n4 n5 n6 n7 n8 n9 n10 n11 n12 n13 n14 n15 r1 r2 r3 r4
1 0100101    5  1  1  3  0  0  0  0  0  0  0  0  0  0  0  0  0  1  2  3  3
2 0100102    4  1  1  2  0  0  0  0  0  0  0  0  0  0  0  0  0  1  2  3  3
3 0100103    6  1  1  4  0  0  0  0  0  0  0  0  0  0  0  0  0  1  2  3  3
4 0100104    3  1  1  1  0  0  0  0  0  0  0  0  0  0  0  0  0  1  2  3  0
5 0100105    7  1  1  5  0  0  0  0  0  0  0  0  0  0  0  0  0  1  2  3  3
6 0100106    9  1  1  3  0  0  0  0  3  0  1  0  0  0  0  0  0  1  2  3  3

      r5 r6 r7 r8 r9 r10 r11 r12 r13 r14 r15 m1 m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12

```

```

1 3 0 0 0 0 0 0 0 0 0 0 0 1 1 4 0 0 0 0 0 0 0 0 0
2 0 0 0 0 0 0 0 0 0 0 0 0 1 1 4 0 0 0 0 0 0 0 0 0
3 3 3 0 0 0 0 0 0 0 0 0 0 1 1 4 4 0 0 0 0 0 0 0 0
4 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0
5 3 3 3 0 0 0 0 0 0 0 0 0 1 1 4 4 4 4 4 0 0 0 0 0
6 3 8 8 8 10 0 0 0 0 0 0 0 1 1 1 4 4 0 0 0 1 0 0 0

m13 m14 m15 s1 s2 s3 s4 s5 s6 s7 s8 s9 s10 s11 s12 s13 s14 s15 a1 a2 a3 a4 a5
1 0 0 0 1 2 2 2 1 0 0 0 0 0 0 0 0 0 0 38 34 13 8 1
2 0 0 0 1 2 2 1 0 0 0 0 0 0 0 0 0 0 0 39 34 13 10 0
3 0 0 0 1 2 1 2 2 2 0 0 0 0 0 0 0 0 0 48 46 23 13 11
4 0 0 0 2 1 2 0 0 0 0 0 0 0 0 0 0 0 0 26 36 3 0 0
5 0 0 0 1 2 1 1 2 1 2 0 0 0 0 0 0 0 0 53 52 23 21 19
6 0 0 0 1 2 2 2 2 2 1 2 1 0 0 0 0 0 0 56 55 29 18 16

a6 a7 a8 a9 a10 a11 a12 a13 a14 a15
1 0 0 0 0 0 0 0 0 0 0
2 0 0 0 0 0 0 0 0 0 0
3 5 0 0 0 0 0 0 0 0 0
4 0 0 0 0 0 0 0 0 0 0
5 18 14 0 0 0 0 0 0 0 0
6 8 6 4 33 0 0 0 0 0 0

> ft.old4<-ft

```

```
# Number of sample households consisting of a head' s couple only
```

```
> nrow(subset(ft, hhsz==2&n2==1))
```

```
[1] 475
```

```
> 475/11971
```

```
[1] 0.03967922
```

```
# Number of sample household consisting of a head' s couple and their children
```

```
# Including stepchild, adopted child and foster child
```

```
> nrow(subset(ft, n2==1&n3>=1&hhsz==(n1+n2+n3+n4+n5)))
```

```
[1] 6491
```

```
> 6491/11971
```

```
[1] 0.542227
```

Remarks:

Number of stepchildren

```
> sum(ft$n4)
```

```
[1] 138
```

Number of adopted children

```
> sum(ft$n5)
```

```
[1] 90
```

Number of sample household consisting of a mother and her children

```
> nrow(subset(ft, r1==1&s1==2&n2==0&n3>=1&hhsz==(n1+n2+n3)))
```

```
[1] 849
```

```
> nrow(subset(ft, r2==1&s2==2&n2==0&n3>=1&hhsz==(n1+n2+n3)))
```

```
[1] 0
```

```
> 849/11971
```

```
[1] 0.07092139
```

Remarks:

Person number of household head is 1 or 2.

Number of household heads with person number=2 is 24.

```
> sum(ft$r1==1)+sum(ft$r2==1)
```

```
[1] 11971
```

```
> sum(ft$r2==1)
```

```
[1] 24
```

Number of sample household consisting of a father and his children

```
> nrow(subset(ft, r1==1&s1==1&n2==0&n3>=1&hhsz==(n1+n2+n3)))
```

```
[1] 94
```

```
> nrow(subset(ft, r2==1&s2==1&n2==0&n3>=1&hhsz==(n1+n2+n3)))
```

```
[1] 0
```

```
> 94/11971
```

```
[1] 0.00785231
```

- Summary:

The share of nuclear family in the sample household is 66.1%.

- Generated variables g1 to g15 for household members. The values of g1 to g15 are as follows:

Value	Description	Definition
1	Grandparents' generation	relation=13 & (age-head's age)>=35
2	Parents' generation	relation=6, 12
3	Head's generation	relation=1, 2, 7, 11
4	Children's generation	relation=3, 4, 5, 9, 10
5	Grandchildren's generation	relation=8
6	Other relative	relation=13 & (age-head's age)<35
7	Non-relative	relation=14, 15

```

> for (j in 1:15) {
+   gen<-rep(0,nrow(ft))
+   relation<-ft[, j+17]
+   head.age<-ft$a1
+   head.age<-ifelse(ft$r2==1, ft$a2, head.age)
+   age.diff<-ft[, j+62]-ft[, 63]
+   gen<-ifelse(relation==13&age.diff>=35, 1, gen)
+   gen<-ifelse(relation==6|relation==12, 2, gen)
+   gen<-ifelse(relation==1|relation==2|relation==7|relation==11, 3, gen)
+   gen<-ifelse(relation>=3&relation<=5, 4, gen)
+   gen<-ifelse(relation==9|relation==10, 4, gen)
+   gen<-ifelse(relation==8, 5, gen)
+   gen<-ifelse(relation==13&age.diff<35, 6, gen)
+   gen<-ifelse(relation==14|relation==15, 7, gen)
+   ft["gen"]<-gen
+   colnames(ft)[ncol(ft)]<-paste("g", j, sep="")
+ }
> head(ft)
      hhid hhsz n1 n2 n3 n4 n5 n6 n7 n8 n9 n10 n11 n12 n13 n14 n15 r1 r2 r3 r4
1 0100101    5  1  1  3  0  0  0  0  0  0  0  0  0  0  0  0  0  1  2  3  3
2 0100102    4  1  1  2  0  0  0  0  0  0  0  0  0  0  0  0  0  1  2  3  3
3 0100103    6  1  1  4  0  0  0  0  0  0  0  0  0  0  0  0  0  1  2  3  3
4 0100104    3  1  1  1  0  0  0  0  0  0  0  0  0  0  0  0  0  1  2  3  0
5 0100105    7  1  1  5  0  0  0  0  0  0  0  0  0  0  0  0  0  1  2  3  3
6 0100106    9  1  1  3  0  0  0  0  3  0  1  0  0  0  0  0  0  1  2  3  3

```

```

r5 r6 r7 r8 r9 r10 r11 r12 r13 r14 r15 m1 m2 m3 m4 m5 m6 m7 m8 m9 m10 m11 m12
1 3 0 0 0 0 0 0 0 0 0 1 1 4 0 0 0 0 0 0 0 0 0
2 0 0 0 0 0 0 0 0 0 0 1 1 4 0 0 0 0 0 0 0 0 0
3 3 3 0 0 0 0 0 0 0 0 1 1 4 4 0 0 0 0 0 0 0 0
4 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0
5 3 3 3 0 0 0 0 0 0 0 1 1 4 4 4 4 4 0 0 0 0 0
6 3 8 8 8 10 0 0 0 0 0 1 1 1 4 4 0 0 0 1 0 0 0

m13 m14 m15 s1 s2 s3 s4 s5 s6 s7 s8 s9 s10 s11 s12 s13 s14 s15 a1 a2 a3 a4 a5
1 0 0 0 1 2 2 2 1 0 0 0 0 0 0 0 0 0 0 38 34 13 8 1
2 0 0 0 1 2 2 1 0 0 0 0 0 0 0 0 0 0 0 39 34 13 10 0
3 0 0 0 1 2 1 2 2 2 0 0 0 0 0 0 0 0 0 48 46 23 13 11
4 0 0 0 2 1 2 0 0 0 0 0 0 0 0 0 0 0 0 26 36 3 0 0
5 0 0 0 1 2 1 1 2 1 2 0 0 0 0 0 0 0 0 53 52 23 21 19
6 0 0 0 1 2 2 2 2 2 1 2 1 0 0 0 0 0 0 56 55 29 18 16

a6 a7 a8 a9 a10 a11 a12 a13 a14 a15 g1 g2 g3 g4 g5 g6 g7 g8 g9 g10 g11 g12
1 0 0 0 0 0 0 0 0 0 3 3 4 4 4 0 0 0 0 0 0 0
2 0 0 0 0 0 0 0 0 0 3 3 4 4 0 0 0 0 0 0 0 0
3 5 0 0 0 0 0 0 0 0 3 3 4 4 4 4 0 0 0 0 0 0
4 0 0 0 0 0 0 0 0 0 3 3 4 0 0 0 0 0 0 0 0 0
5 18 14 0 0 0 0 0 0 0 3 3 4 4 4 4 4 0 0 0 0 0
6 8 6 4 33 0 0 0 0 0 3 3 4 4 4 5 5 5 4 0 0 0

g13 g14 g15
1 0 0 0
2 0 0 0
3 0 0 0
4 0 0 0
5 0 0 0
6 0 0 0
> ft.old5<-ft

```

Grouping sample households based on the number of persons by generation

```

# Defined variable pi, the number of persons in generation i
> for(j in 1:7){

```

```

+ ft["pi"]<-rowSums(ft[, 78:92]==j)
+ colnames(ft)[ncol(ft)]<-paste("p", j, sep="")
+ }
> head(ft[, c(1, 78:99)])
      hhid g1 g2 g3 g4 g5 g6 g7 g8 g9 g10 g11 g12 g13 g14 g15 p1 p2 p3 p4 p5 p6 p7
1 0100101  3  3  4  4  4  0  0  0  0  0  0  0  0  0  0  0  0  2  3  0  0  0
2 0100102  3  3  4  4  0  0  0  0  0  0  0  0  0  0  0  0  0  2  2  0  0  0
3 0100103  3  3  4  4  4  4  0  0  0  0  0  0  0  0  0  0  0  2  4  0  0  0
4 0100104  3  3  4  0  0  0  0  0  0  0  0  0  0  0  0  0  0  2  1  0  0  0
5 0100105  3  3  4  4  4  4  4  0  0  0  0  0  0  0  0  0  0  2  5  0  0  0
6 0100106  3  3  4  4  4  5  5  5  4  0  0  0  0  0  0  0  0  2  4  3  0  0
> ft.old6<-ft

# Number of persons by generation; p1 to p7
> colSums(ft[, 93:99])
      p1    p2    p3    p4    p5    p6    p7
45  1060 22229 30319  3148   222    82

```

Table Type of households by number of household members' generations

Number of generation	Household consisted of the below generation	Code	Number of households	Percentage
	All households		11,971	100.0
1	Total		872	7.3
	Single	11	283	2.4
	Head and spouse only	12	472	4.0
	Head, spouse and others	13	28	0.2
	Other	14	89	0.7
2	Total		8,431	70.5
	Head – Children	21	8,350	69.8
	Parents - Head	22	81	0.7
3	Total		2,569	21.5
	Head – Children - Grandchildren	31	1,521	12.7
	Head – Grandchildren	32	225	1.9
	Parents – Head - Children	33	813	6.8

	Grandparents – Parents - Head	34	3	0.0
	Grandparents - Head	35	7	0.1
4	Total		94	0.9
	Parents – Head – Children - Grandchildren	41	58	0.5
	Parents – Head – Grandchildren	42	6	0.1
	Grandparents – Parents – Head – Children	43	10	0.1
	Grandparents – Head - Children	44	20	0.2
5	Grandparents – (Parents) – Head – (Children) - Grandchildren	50	1	0.0

● **Summary:**

The household consisting of two generations occupies 71%, followed by 22% of three-generation household and 7% of one-generation household.

Grouped households using p1 to p5, regardless of the value of p6 and p7.

```

> h<-rep(0,nrow(ft))
> h<-ifelse(ft$p1==0&ft$p2==0&ft$p3>0&ft$p4==0&ft$p5==0,14,h)
> h<-ifelse(ft$hhsz==1,11,h)
> h<-ifelse(ft$hhsz==2&ft$n2==1,12,h)
> h<-ifelse(ft$p1==0&ft$p2==0&ft$p3>=3&ft$p4==0&ft$p5==0&ft$n2==1,13,h)
> h<-ifelse(ft$p1==0&ft$p2==0&ft$p3>0&ft$p4>0&ft$p5==0,21,h)
> h<-ifelse(ft$p1==0&ft$p2>0&ft$p3>0&ft$p4==0&ft$p5==0,22,h)
> h<-ifelse(ft$p1==0&ft$p2==0&ft$p3>0&ft$p4>0&ft$p5>0,31,h)
> h<-ifelse(ft$p1==0&ft$p2==0&ft$p3>0&ft$p4==0&ft$p5>0,32,h)
> h<-ifelse(ft$p1==0&ft$p2>0&ft$p3>0&ft$p4>0&ft$p5==0,33,h)
> h<-ifelse(ft$p1>0&ft$p2>0&ft$p3>0&ft$p4==0&ft$p5==0,34,h)
> h<-ifelse(ft$p1>0&ft$p2==0&ft$p3>0&ft$p4==0&ft$p5==0,35,h)
> h<-ifelse(ft$p1==0&ft$p2>0&ft$p3>0&ft$p4>0&ft$p5>0,41,h)
> h<-ifelse(ft$p1==0&ft$p2>0&ft$p3>0&ft$p4==0&ft$p5>0,42,h)
> h<-ifelse(ft$p1>0&ft$p2>0&ft$p3>0&ft$p4>0&ft$p5==0,43,h)
> h<-ifelse(ft$p1>0&ft$p2==0&ft$p3>0&ft$p4>0&ft$p5==0,44,h)
> h<-ifelse(ft$p1>0&ft$p3>0&ft$p5>0,50,h)
> t<-addmargins(table(h))

```



```

> t
h
  11   12   13   14   21   22   31   32   33   34   35   41   42   43
283  475   29   89 8350   81 1521  225  813   3   7  58   6  10
  44   50  Sum
  20    1 11971
> round(t/t[length(t)]*100,1)
h
  11   12   13   14   21   22   31   32   33   34   35   41   42   43
2.4  4.0  0.2  0.7 69.8  0.7 12.7  1.9  6.8  0.0  0.1  0.5  0.1  0.1
  44   50  Sum
  0.2  0.0 100.0
> ft["code"]<-h
> dim(ft)
[1] 11971  100
> hhfamilytype<-ft

```

Chapter 9. Migration and transfer

```
# S03B_personmigrationcurrent : Current migrants data
```

```
> d<-outfiles[[9]]
```

```
> dim(d)
```

```
[1] 8049 28
```

```
> head(d)
```

	hhid	persid	province	urbanrural	weight	hhsiz	weight3	psu	stratum
1	100106	10010631	1	1	266.1367	9	2395.230	1001	11
2	100106	10010632	1	1	266.1367	9	2395.230	1001	11
3	100106	10010633	1	1	266.1367	9	2395.230	1001	11
4	100201	10020131	1	1	264.7066	11	2911.773	1002	11
5	100202	10020231	1	1	264.7066	5	1323.533	1002	11
6	100202	10020232	1	1	264.7066	5	1323.533	1002	11

	surveymonth	region	year	persid_string	hhid_string	q03bc01	q03bc03	q03bc04
1	1	2	2009	010010631	0100106	31	1	33
2	1	2	2009	010010632	0100106	32	2	25
3	1	2	2009	010010633	0100106	33	1	22
4	1	2	2009	010020131	0100201	31	2	38
5	1	2	2009	010020231	0100202	31	2	50
6	1	2	2009	010020232	0100202	32	1	48

	q03bc05b	q03bc05c	q03bc06	q03bc07	q03bc08	q03bc09	q03bc10	q03bc11	q03bc12
1	88	NA	1991	3	631	6	631	2	NA
2	88	NA	2000	3	548	9	548	2	NA
3	88	NA	2007	3	631	6	631	2	NA
4	88	NA	1995	3	631	5	631	2	NA
5	88	NA	1999	3	631	88	631	2	NA
6	88	NA	1999	3	541	14	541	2	NA

	q03bc13a	q03bc13b
1	NA	NA
2	NA	NA
3	NA	NA
4	NA	NA
5	NA	NA
6	NA	NA

```
> length(unique(d$hhid))
[1] 3402
```

- Out of 11,971 sample households, 3,402 households have current migrants.

```
# Number of current migrants by sample household
> migrants<-tapply(d$persid,d$hhid,length)
> length(migrants)
[1] 3402
> head(migrants)
100106 100201 100202 100204 100205 100210
      3      1      3      4      1      1
> table(migrants)
migrants
      1      2      3      4      5      6      7      8      9     10     11
1324  884  521  307  177  101   52   21    8    6    1
```

- One current migrant in 1,324 households, 2 migrants in 884 households, 3 migrants in 521 households, and so on.

```
# Amount of transfers received by household during the last 12 months (in Riels)
> transfers<-tapply(d$q03bc12,d$hhid,sum,na.rm=T)
> length(transfers)
[1] 3402
> head(transfers)
100106 100201 100202 100204 100205 100210
      0      0      0 1750000 48000000 500000

> table(names(migrants)==names(transfers))
TRUE
3402
```

- ✓ Confirmed that **hhid**, that is, names of elements of the vectors: migrants and transfers are the same.

```
# Generated data frame dd with vectors of hhid, number of current migrants and amount of transfers.
```

```
> dd<-data.frame(hhid=names(migrants),migrants,transfers)
```

```
> dim(dd)
```

```
[1] 3402    3
```

```
> head(dd)
```

	hhid	migrants	transfers
100106	100106	3	0
100201	100201	1	0
100202	100202	3	0
100204	100204	4	1750000
100205	100205	1	48000000
100210	100210	1	500000

```
# Generate data frame df by merging d43 with dd.
```

```
> df<-merge(d43,dd,by="hhid",all.x=T)
```

```
> dim(df)
```

```
[1] 11971    13
```

```
> head(df)
```

	hhid	province	urbanrural	weight	hysize	weight3	psu	stratum
1	100101	1	1	266.1367	5	1330.6835	1001	11
2	100102	1	1	266.1367	4	1064.5468	1001	11
3	100103	1	1	266.1367	6	1596.8202	1001	11
4	100104	1	1	266.1367	3	798.4101	1001	11
5	100105	1	1	266.1367	7	1862.9569	1001	11
6	100106	1	1	266.1367	9	2395.2302	1001	11

	surveymonth	region	year	migrants	transfers
1	1	2	2009	NA	NA
2	1	2	2009	NA	NA
3	1	2	2009	NA	NA
4	1	2	2009	NA	NA
5	1	2	2009	NA	NA
6	1	2	2009	3	0

```
> df[is.na(df)]<-0
```

```
# Defined hhsize2: the expanded household size including current migrants
# Note: Current migrants are not assumed as household members of another household.
> df$hhsize2<-df$hhsize+df$migrants
> table(df$hhsize)
  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15
283  938 1908 2649 2425 1754 1002  531  260  134   46   19   11    7    4
> table(df$hhsize2)
  1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   17
155  595 1493 2320 2279 1765 1285  896  535  316  168   94   42   17   10    1
```

```
# Average number of household members and migrants by region (person)
> m<-cbind(tapply(df$hhsize, df$region, mean),
+ tapply(df$migrants, df$region, mean),
+ tapply(df$hhsize2, df$region, mean))
> rownames(m)<-c("Phnom Pen", "Other urban", "Other rural")
> colnames(m)<-c("hhsize", "migrants", "hhsize+migrants")
> round(m, 2)
```

	hhsize	migrants	hhsize+migrants
Phnom Pen	5.01	0.31	5.31
Other urban	4.76	0.51	5.27
Other rural	4.74	0.74	5.48

- The expanded household size including current migrants by region are almost the same, but the number of current migrants per household is larger in other rural than in Phnom Pen.

```
# Average amount of transfers by region (in thousand Riels)
> t<-tapply(df$transfers, df$region, mean)/1000
> names(t)<-c("Phnom Pen", "Other urban", "Other rural")
> round(t, 1)
Phnom Pen Other urban Other rural
159.3      249.5      136.4
```

Destination of migration

- Next are the top five destination countries of current migrants.

Top Five Destination Countries

Code	Country	Count
9316	Thailand	282
9309	Malaysia	75
9601	USA	35
9317	Vietnam	17
9307	South Korea	12

- Foreign country codes

Imported country codes

```
> c.Country<-read.fwf("c_Country.txt",widths=c(4,25))
```

```
> dim(c.Country)
```

```
[1] 37 3
```

```
> head(c.Country)
```

```
      V1 V2      V3
1 9301 NA      China
2 9302 NA  Hong Kong
3 9303 NA      India
4 9304 NA  Indonesia
5 9305 NA      Japan
6 9306 NA Korea North
```

```
> c.Country<-c.Country[,c(1,3)]
```

```
> colnames(c.Country)<-c("code","country.name")
```

```
> c.Country
```

```
      code      country.name
1 9301      China
2 9302  Hong Kong
3 9303      India
4 9304  Indonesia
5 9305      Japan
```

6	9306	Korea North
7	9307	Korea South
8	9308	Laos
9	9309	Malaysia
10	9310	Myanmar
11	9311	Nepal
12	9312	Pakistan
13	9313	Philippines
14	9314	Singapore
15	9315	Sri Lanka
16	9316	Thailand
17	9317	Vietnam
18	9399	Other Asia
19	9401	Australia
20	9402	New Zealand
21	9499	Other Oceania
22	9501	Belgium
23	9502	France
24	9503	Germany
25	9504	Italy
26	9505	Netherlands (Holland)
27	9506	Former USSR
28	9507	Sweden
29	9508	United Kingdom
30	9599	Other Europe
31	9601	United States of America
32	9602	Canada
33	9699	Other America
34	9701	South Africa
35	9799	Other Africa
36	9998	Countries not classified
37	9999	Not Stated

```
# Frequency of destination countries
> t<-table(d$country, useNA="ifany")
> t
9301 9304 9305 9306 9307 9309 9314 9316 9317 9401 9402 9502 9507 9601 9602
     6    2    2    7   12   75    1  282   17    8    2   11    1   35    5
9799 <NA>
     2 7581
> names(t)[17]<-"9999" # Unknown (Not stated)

> df<-data.frame(code=as.integer(names(t)), cnt=as.integer(t))
> head(df)
  code cnt
1 9301   6
2 9304   2
3 9305   2
4 9306   7
5 9307  12
6 9309  75
> df<-merge(df, c. Country, by="code", all.x=T)
> dim(df)
[1] 17  3
> df[order(df$cnt, decreasing=T), ]
  code cnt country.name
17 9999 7581      Not Stated
 8  9316 282        Thailand
 6  9309  75        Malaysia
14 9601  35 United States of America
 9  9317  17          Vietnam
 5  9307  12        Korea South
12 9502  11          France
10 9401   8          Australia
 4  9306   7        Korea North
 1  9301   6           China
15 9602   5           Canada
 2  9304   2          Indonesia
```


3	9305	2	Japan
11	9402	2	New Zealand
16	9799	2	Other Africa
7	9314	1	Singapore
13	9507	1	Sweden

Chapter 10. Resampled micro data to be provided

Strategy

1. Resampling

The data files will be resampled as follows;

- 1.1 To order household identifier of “hhid” in d45 by province, urban/rural, psu, survey month and hhinc.
- 1.2 To select 80% of hhid by systematic sampling method.
- 1.3 To select records which hhid belongs to the above selected hhid from the data files.
- 1.4 To adjust household weight and person weight by dividing by 0.8.
2. The Village data files will not be included.
3. The data file of “hhexp” which the author generated in Chapter 6 will be included.
4. Resampled data files will be provided in CSV and R format.

Note: Variables of hhid_string and persid_string

Household ID and person ID are provided both in integer and character in the R data set. However, in CSV data set, leading zeros of figures in “hhid_string” and “persid_string” were removed during conversion from R to CSV. That is, “hhid_string” is not always 7 digits, and “persid_string” is not always 9 digits.

Original data files

```
> d<-outfiles[[43]]
> dim(d)
[1] 11971    11
> colnames(d)
[1] "hhid"      "province"  "urbanrural" "weight"    "hhsiz"
[6] "weight3"   "psu"       "stratum"    "surveymonth" "region"
[11] "year"
```

```

# Appended household income from d45
> d<-merge(d,outfiles[[45]][c(1,101)])
> head(d)
      hhid province urbanrural  weight hhsz  weight3  psu stratum
1 100101         1           1 266.1367    5 1330.6835 1001      11
2 100102         1           1 266.1367    4 1064.5468 1001      11
3 100103         1           1 266.1367    6 1596.8202 1001      11
4 100104         1           1 266.1367    3  798.4101 1001      11
5 100105         1           1 266.1367    7 1862.9569 1001      11
6 100106         1           1 266.1367    9 2395.2302 1001      11
      surveymonth region year adjtotalincome
1              1      2 2009          5980000
2              1      2 2009          3637000
3              1      2 2009          7051000
4              1      2 2009          6375000
5              1      2 2009         20854352
6              1      2 2009          9481500

# Ordered hhid by province, urbanrural, psu and total.income.
> df<-d[order(d$province,d$urbanrural,d$psu,d$surveymonth,d$adjtotalincome),]
> length(df$hhid)
[1] 11971

# Excluded hhid=100309,
because this hhid is missing in d10.
> hhid2<-subset(df,hhid!=100309)$hhid
> length(hhid2)
[1] 11970

# Appended persweight to d44
> d44<-outfiles[[44]]
> table(d44$persid==as.integer(persweight$persid))
TRUE
57105
> head(d44)

```

	hhid	persid	province	urbanrural	weight	hhsz	weight3	psu	stratum
1	100101	10010101		1	1	266.1367	5	1330.683	1001
2	100101	10010102		1	1	266.1367	5	1330.683	1001
3	100101	10010103		1	1	266.1367	5	1330.683	1001
4	100101	10010104		1	1	266.1367	5	1330.683	1001
5	100101	10010105		1	1	266.1367	5	1330.683	1001
6	100102	10010201		1	1	266.1367	4	1064.547	1001

	survey	month	region	year	persweight
1			1	2009	299.1656
2			1	2009	267.6359
3			1	2009	267.6359
4			1	2009	267.6359
5			1	2009	299.1656
6			1	2009	299.1656

```
> outfiles[[44]]<-d44
```

```
# Saved data frame "hhexp" in outfiles[[46]]
```

```
> outfiles[[46]]<-hhexp
```

```
> length(outfiles)
```

```
[1] 46
```

```
# Added "hhexp" to Rnames
```

```
> Rnames<-c(Rnames,"hhexp")
```

Resampling

```
# Selected 80% of hhid2
```

```
> Int<-5
```

```
> (St<-sample(1:5, 1))
```

```
[1] 1
```

```
> hhid.selected<-hhid2[(1:length(hhid2))%%Int!=(St-1)]
```

```
> length(hhid.selected)/length(hhid2)
```

```
[1] 0.8
```

```
> hhid.selected<-hhid.selected[order(hhid.selected)]
```

```
> head(hhid.selected)
```

```

[1] 100102 100103 100104 100105 100106 100107

# Resampled at the rate of 80%
# outfiles[[1]] to outfile[[46]]

> fileno<-(1:46)[c(-11,-39)]

> Rnames.resampled<-paste(Rnames, ". 80", sep="")

> Rnames.resampled
[1] "09dy.expenditure. 80"      "09dy.income. 80"
[3] "s01a.hhmembers. 80"       "s01b.foodconsumption. 80"
[5] "s01c.nonfoodexpenses. 80"  "s01d.vulnerability. 80"
[7] "s02.education. 80"         "s03a.migration.past. 80"
[9] "s03b.migration.current. 80" "s04.housing. 80"
[11] "s04.housingpractice. 80"   "s05a.landown. 80"
[13] "s05b.cropsproduction. 80"  "s05c.costcrops. 80"
[15] "s05d.cropsinventory. 80"   "s05e1.animals. 80"
[17] "s05e2.animalsexpenditures. 80" "s05f1.fisharea. 80"
[19] "s05f2.fishexpenses. 80"    "s05f3.fishincome. 80"
[21] "s05g1.forestincome. 80"    "s05g2.forestexpenses. 80"
[23] "s05h1.bussiness. 80"       "s05h2.bussinessexpenses. 80"
[25] "s05h3.bussinessincome. 80"  "s06.liabilities. 80"
[27] "s07.incomeother. 80"       "s08.construction. 80"
[29] "s09.durables. 80"          "s10.healthmother. 80"
[31] "s11.health2years. 80"      "s12.health5years. 80"
[33] "s13b.healthexpenses. 80"    "s14.disability. 80"
[35] "s15.labor7days. 80"        "s16.labor12months. 80"
[37] "s17b.theft. 80"            "s17c.accidents. 80"
[39] "s17d.violence. 80"         "s17d.violence. 80"
[41] "s18.presenseinhh. 80"      "s99.singlequestions. 80"
[43] "weighthh. 80"              "weightpersons. 80"
[45] "IncomeCSES09. 80"          "hhexp. 80"

> Rnames.resampled[1]<-"dy.expenditure. 80"
> Rnames.resampled[2]<-"dy.income. 80"

```

```

> outfiles.80<-list()
> for(j in 1:46) {
+ d<-outfiles[[j]]
+ outfiles.80[[j]]<-subset(d, is.element(d$hhid, hhid.selected))
+ }
> length(outfiles.80)
[1] 46

```

Adjusted weight

```

> for(j in (1:46)[c(-11,-45)]) {
+ outfiles.80[[j]]$HW<-outfiles.80[[j]]$weight/0.8
+ }

```

Example

```

> head(outfiles.80[[46]][,c("hhid", "weight", "HW")])
      hhid  weight      HW
2 100102 266.1367 332.6709
3 100103 266.1367 332.6709
4 100104 266.1367 332.6709
5 100105 266.1367 332.6709
6 100106 266.1367 332.6709
7 100107 266.1367 332.6709
> sum(outfiles.80[[46]]$HW)
[1] 2938498

```

```

> outfiles.80[[45]]$HW<-outfiles.80[[45]]$weight/0.8

```

Adjusted person weight in d44

```

> outfiles.80[[44]]$PW<-outfiles.80[[44]]$persweight/0.8
> head(outfiles.80[[44]][,c("hhid", "persid", "weight", "HW", "persweight", "PW")])
      hhid  persid  weight      HW persweight      PW
6 100102 10010201 266.1367 332.6709 299.1656 373.9569
7 100102 10010202 266.1367 332.6709 267.6359 334.5448
8 100102 10010203 266.1367 332.6709 267.6359 334.5448
9 100102 10010204 266.1367 332.6709 299.1656 373.9569

```

```

10 100103 10010301 266.1367 332.6709 299.1656 373.9569
11 100103 10010302 266.1367 332.6709 267.6359 334.5448
> sum(outfiles.80[[44]]$PW)
[1] 13990250

```

```

# Number of records and variables in each resampled file
> for(j in (1:46)[c(-11,-39)]) {
+ cat(format(j,width=2),": ",format(Rnames.resampled[j],width=30),": ",
+ format(nrow(outfiles.80[[j]]),width=7),",",
+ format(ncol(outfiles.80[[j]]),width=3),"n")
+ }

```

1 :	dy. expenditure. 80	:	2100042 ,	24
2 :	dy. income. 80	:	704825 ,	24
3 :	s01a. hhmembers. 80	:	45758 ,	33
4 :	s01b. foodconsumption. 80	:	115190 ,	17
5 :	s01c. nonfoodexpenses. 80	:	68976 ,	17
6 :	s01d. vulnerability. 80	:	9583 ,	28
7 :	s02. education. 80	:	42985 ,	38
8 :	s03a. migration. past. 80	:	41098 ,	36
9 :	s03b. migration. current. 80	:	6503 ,	29
10 :	s04. housing. 80	:	9576 ,	67
12 :	s05a. landown. 80	:	13142 ,	46
13 :	s05b. cropsproduction. 80	:	14225 ,	24
14 :	s05c. costcrops. 80	:	13547 ,	30
15 :	s05d. cropsinventory. 80	:	5871 ,	17
16 :	s05e1. animals. 80	:	67480 ,	27
17 :	s05e2. animalsexpenses. 80	:	11581 ,	15
18 :	s05f1. fisharea. 80	:	179 ,	18
19 :	s05f2. fishexpenses. 80	:	6350 ,	15
20 :	s05f3. fishincome. 80	:	9969 ,	15
21 :	s05g1. forestincome. 80	:	15531 ,	18
22 :	s05g2. forestexpenses. 80	:	4754 ,	15
23 :	s05h1. bussiness. 80	:	3882 ,	24
24 :	s05h2. bussinessexpenses. 80	:	12651 ,	19
25 :	s05h3. bussinessincome. 80	:	4312 ,	19

```

26 : s06.liabilities.80      : 3773 , 21
27 : s07.incomeother.80     : 5517 , 17
28 : s08.construction.80    : 9063 , 36
29 : s09.durables.80        : 74982 , 23
30 : s10.healthmother.80     : 3550 , 35
31 : s11.health2years.80     : 1902 , 41
32 : s12.health5years.80    : 4482 , 30
33 : s13b.healthexpenses.80  : 45744 , 27
34 : s14.disability.80       : 45744 , 28
35 : s15.labor7days.80      : 41254 , 50
36 : s16.labor12months.80   : 41254 , 24
37 : s17b.theft.80          : 272 , 23
38 : s17c.accidents.80       : 533 , 21
40 : s17d.violence.80        : 45736 , 27
41 : s18.presenseinhh.80     : 45736 , 32
42 : s99.singlequestions.80  : 9576 , 43
43 : weighthh.80             : 9576 , 12
44 : weightpersons.80        : 45758 , 15
45 : IncomeCSES09.80         : 9576 , 104
46 : hhexp.80                : 9576 , 25

```

```
# Generated resampled data set in R format with Rnames.resampled
```

```

> for(j in (1:46)[c(-11,-39)]) {
+ cmd<-paste(Rnames.resampled[j], "<-outfiles.80[[", j, "]]", sep="")
+ eval(parse(text=cmd))
+ }

```

```
> ls()
```

```

[1] "dy.expenditure.80"      "dy.income.80"
[3] "hhexp.80"               "IncomeCSES09.80"
[5] "s01a.hhmembers.80"     "s01b.foodconsumption.80"
[7] "s01c.nonfoodexpenses.80" "s01d.vulnerability.80"
[9] "s02.education.80"       "s03a.migration.past.80"
[11] "s03b.migration.current.80" "s04.housing.80"
[13] "s05a.landown.80"        "s05b.cropsproduction.80"

```



```

[15] "s05c.costcrops.80"      "s05d.cropsinventory.80"
[17] "s05e1.animals.80"      "s05e2.animalsexpenditures.80"
[19] "s05f1.fisharea.80"     "s05f2.fishexpenses.80"
[21] "s05f3.fishincome.80"   "s05g1.forestincome.80"
[23] "s05g2.forestexpenses.80" "s05h1.business.80"
[25] "s05h2.businessexpenses.80" "s05h3.businessincome.80"
[27] "s06.liabilities.80"     "s07.incomeother.80"
[29] "s08.construction.80"   "s09.durables.80"
[31] "s10.healthmother.80"    "s11.health2years.80"
[33] "s12.health5years.80"   "s13b.healthexpenses.80"
[35] "s14.disability.80"     "s15.labor7days.80"
[37] "s16.labor12months.80"  "s17b.theft.80"
[39] "s17c.accidents.80"     "s17d.violence.80"
[41] "s18.presenceinhh.80"   "s99.singlequestions.80"
[43] "weighthh.80"          "weightpersons.80"
> save.image("CSES2009.resampled80%.RData")

```

Converted to CSV

```

> CSVnames<-gsub("¥¥.", "_", Rnames.resampled)
> CSVnames<-paste(CSVnames, ".csv", sep="")
> for(j in (1:46)[c(-11,-39)]) {
+ 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] "dy_expenditure_80.csv"      "dy_income_80.csv"
[3] "hhexp_80.csv"              "IncomeCSES09_80.csv"
[5] "s01a_hhmembers_80.csv"     "s01b_foodconsumption_80.csv"
[7] "s01c_nonfoodexpenses_80.csv" "s01d_vulnerability_80.csv"
[9] "s02_education_80.csv"      "s03a_migration_past_80.csv"
[11] "s03b_migration_current_80.csv" "s04_housing_80.csv"

```

[13] "s05a_landown_80.csv"	"s05b_cropsproduction_80.csv"
[15] "s05c_costcrops_80.csv"	"s05d_cropsinventory_80.csv"
[17] "s05e1_animals_80.csv"	"s05e2_animalsexpenses_80.csv"
[19] "s05f1_fisharea_80.csv"	"s05f2_fishexpenses_80.csv"
[21] "s05f3_fishincome_80.csv"	"s05g1_forestincome_80.csv"
[23] "s05g2_forestexpenses_80.csv"	"s05h1_bussiness_80.csv"
[25] "s05h2_bussinessexpenses_80.csv"	"s05h3_bussinessincome_80.csv"
[27] "s06_liabilities_80.csv"	"s07_incomeother_80.csv"
[29] "s08_construction_80.csv"	"s09_durables_80.csv"
[31] "s10_healthmother_80.csv"	"s11_health2years_80.csv"
[33] "s12_health5years_80.csv"	"s13b_healthexpenses_80.csv"
[35] "s14_disability_80.csv"	"s15_labor7days_80.csv"
[37] "s16_labor12months_80.csv"	"s17b_theft_80.csv"
[39] "s17c_accidents_80.csv"	"s17d_violence_80.csv"
[41] "s18_presenseinhh_80.csv"	"s99_singlequestions_80.csv"
[43] "weighthh_80.csv"	"weightpersons_80.csv"

Supplement 1

Village Data

Remarks:

This supplement 1 describes the outline of “Village Data”, which was included in the previously provided data set, for reference. However this data is not included in the resampled data set.

S1.1 Data import

Imported SPSS data files into R

```
> infiles<-list.files()
> infiles
[1] "DemograpInfo.sav"      "EcoInfrastructure.sav" "Education.sav"
[4] "Employment.sav"       "FoodPrices.sav"       "Health.sav"
[7] "Medical.sav"          "MedicinePrices.sav"   "NonFoodItems.sav"
[10] "RainfallDisaster.sav" "Recruitment.sav"      "RentalPrices.sav"
[13] "Resources.sav"        "SalesPrices.sav"
> library(foreign)
> v.files<-list()
> for(j in 1:length(infiles)) {
+ df<-read.spss(infiles[j], to.data.frame=T, use.value.label=F)
+ v.files<-c(v.files, list(df))
+ }
> length(v.files)
[1] 14
> Rnames<-sub(".sav","", infiles)
> Rnames
[1] "DemograpInfo"      "EcoInfrastructure" "Education"
[4] "Employment"        "FoodPrices"        "Health"
[7] "Medical"           "MedicinePrices"    "NonFoodItems"
[10] "RainfallDisaster"  "Recruitment"        "RentalPrices"
[13] "Resources"         "SalesPrices"
```

```
# List of data file name, number of records and variables
> for(j in 1:length(infiles)) {
+ if(j==1) cat("data frame", "nrow", "ncol", "\n")
+ cat(format(Rnames[j], width=27), ": ",
+ format(nrow(v.files[[j]]), width=6), ", ",
+ format(ncol(v.files[[j]]), width=3), "\n")
+ }
```

data frame		nrow	ncol
DemograpInfo	:	720	, 17
EcoInfrastructure	:	713	, 82
Education	:	719	, 31
Employment	:	2938	, 6
FoodPrices	:	21050	, 6
Health	:	718	, 17
Medical	:	10004	, 6
MedicinePrices	:	1684	, 6
NonFoodItems	:	4058	, 6
RainfallDisaster	:	716	, 37
Recruitment	:	689	, 9
RentalPrices	:	7170	, 7
Resources	:	5730	, 6
SalesPrices	:	7175	, 5

S1.2 Names and types of variables

```
# List of the names and types of variables
> for(j in 1:14) {
+ cat("#### ", Rnames[j], " #####\n")
+ print(str(v.files[[j]]))
+ cat("\n\n")
+ }
```

DemograpInfo

'data.frame': 720 obs. of 17 variables:

```
$ pkid          : num  1 2 3 4 5 6 7 8 9 10 ...
$ VID           : Factor w/ 720 levels "01001","01002",...: 696 405 671 516 2 103 509
390 42 389 ...
$ S1Q1_HHsInVillage : num  135 104 273 551 197 215 234 257 537 710 ...
$ S1Q1_AsOnDay      : num  6 6 3 6 31 13 10 29 15 18 ...
$ S1Q1_AsOnMonth    : num  1 1 1 12 12 12 1 12 1 12 ...
$ S1Q1_AsOnYear     : num  2009 NA 2009 2008 2008 ...
$ S1Q2_PersonsInVillage: num  651 561 1037 2368 1049 ...
$ S1Q3_Below18Total : num  213 139 385 952 362 ...
$ S1Q3_Below18Boys  : num  113 72 198 501 188 150 180 295 468 472 ...
$ S1Q3_Below18Girls : num  100 67 187 451 174 165 165 222 607 325 ...
$ S1Q4_Over18Total  : num  438 422 652 1416 687 ...
$ S1Q4_Over18M      : num  222 200 330 650 336 ...
$ S1Q4_Over18W      : num  216 222 322 766 351 ...
$ S1Q5_TotLandArea  : num  0.974 0.005 1.64 18 1.57 ...
$ S1Q6_PeopleMove   : num  3 3 4 2 3 4 3 1 2 3 ...
$ S1Q7_HHs5YearAgo  : num  128 103 265 551 197 217 218 220 NA 705 ...
$ S1Q8_People5YearAgo : num  623 605 980 2368 1036 ...
- attr(*, "codepage")= int 1252
```

NULL

EcoInfrastructure

'data.frame': 713 obs. of 82 variables:

```
$ pkid          : num  5 8 9 10 11 12 13 14 15 16 ...
$ VID           : Factor w/ 713 levels "01001","01002",...: 403 690 665 511 2 504 388 42
387 1 ...
$ S2Q1_TotAgriLand  : num  0 73.7 124.2 721 118 ...
$ S2Q2_TotIrriAgriLand: num  0 9 0 721 99 0 0 300 0 0 ...
$ S2Q3_TotCultivation : num  0 73.7 122.2 721 118 ...
$ S2Q4_TotLand      : num  0 9 0 721 99 0 0 250 0 0 ...
$ S2Q5_Crop1        : Factor w/ 35 levels " ", "101", "102",...: 1 3 3 2 25 3 1 1 1 25 ...
$ S2Q5_Crop2        : Factor w/ 68 levels " ", "101", "102",...: 1 20 52 1 45 36 1 1 1 63 ...
$ S2Q5_Crop3        : Factor w/ 61 levels " ", "101", "102",...: 1 14 47 1 59 36 1 1 1 41 ...
```

\$ S2Q5_Crop4 : Factor w/ 56 levels " ", "101", "102", ...: 1 40 22 1 43 24 1 3 1 44 ...
 \$ S2Q6_ISIC1 : Factor w/ 49 levels " ", "0620", ...: 1 7 1 1 6 1 1 7 1 36 ...
 \$ S2Q6_ISIC2 : Factor w/ 46 levels " ", "1010", ...: 1 24 1 1 32 1 1 1 1 30 ...
 \$ S2Q6_ISIC3 : Factor w/ 51 levels " ", "0130", ...: 1 40 1 1 1 1 1 1 1 1 ...
 \$ S2Q6_ISIC4 : Factor w/ 38 levels " ", "0145", ...: 1 1 1 1 1 1 1 1 1 1 ...
 \$ S2Q7_BusStop : num 0 10 3 0 1 30 0 1 0 4 ...
 \$ S2Q8_TaxiStop : num 0 4 3 0 1 0 0 1 0 4 ...
 \$ S2Q9a_MotoRoad : num 1 1 1 1 1 1 1 1 1 1 ...
 \$ S2Q9b_WheelEnter : num NA NA NA NA NA NA NA NA NA NA ...
 \$ S2Q10a_HasRoad : num NA NA NA NA NA NA NA NA NA NA ...
 \$ S2Q10b_ToRoad : num NA NA NA NA NA NA NA NA NA NA ...
 \$ S2Q11_Electricity : num 100 0 0 0 90 0 100 30 100 99 ...
 \$ S2Q12_PipedWater : num 100 0 0 0 10 0 100 10 70 0 ...
 \$ S2Q13_WaterWet : num 1 9 9 3 7 3 1 9 1 6 ...
 \$ S2Q14_WaterDry : num 1 6 4 3 7 3 1 3 1 6 ...
 \$ Q15_R13 : num 1 2 2 2 2 2 1 1 1 2 ...
 \$ Q15_R14 : num NA 4 3 23 0.8 2 NA NA NA 1.5 ...
 \$ Q15_R23 : num 2 2 2 1 2 2 2 2 2 2 ...
 \$ Q15_R24 : num 0.5 4 3 NA 0.8 2 1 1 1.5 1.5 ...
 \$ Q15_R33 : num 2 2 2 2 2 2 2 2 2 2 ...
 \$ Q15_R34 : num 10 6 4 70 0.8 2 4 1 3.5 1.5 ...
 \$ Q15_R43 : num 1 2 2 2 2 2 2 2 2 2 ...
 \$ Q15_R44 : num NA 4 3 23 0.8 2 1 1 1 1.5 ...
 \$ Q15_R53 : num 2 2 2 2 1 2 2 2 2 2 ...
 \$ Q15_R54 : num 0.5 4 3 2 NA 2 1 1 1 1.5 ...
 \$ S2Q16_ToDistrict : num 1 10 2.5 29 0.1 2 1.5 1 1.5 5 ...
 \$ S2Q17_ToProvince : num 1 25 36 70 10 30 3.5 28 3 4 ...
 \$ S2Q18a_GovProjects : num 2 2 2 1 2 1 1 2 2 2 ...
 \$ S2Q18b_NoProject : num NA NA NA 3 NA 1 2 NA NA NA ...
 \$ S2Q19_Project1 : num NA NA NA 1 NA 2 2 NA NA NA ...
 \$ S2Q19_Project2 : num NA NA NA 2 NA 1 1 NA NA NA ...
 \$ S2Q19_Project3 : num NA NA NA 2 NA 2 2 NA NA NA ...
 \$ S2Q19_Project4 : num NA NA NA 1 NA 2 2 NA NA NA ...
 \$ S2Q19_Project5 : num NA NA NA 2 NA 2 2 NA NA NA ...
 \$ S2Q19_Project6 : num NA NA NA 1 NA 2 1 NA NA NA ...
 \$ S2Q19_Project7 : num NA NA NA 2 NA 2 2 NA NA NA ...

```

$ S2Q20a_NG0Projects : num 2 2 2 1 2 2 2 2 2 2 ...
$ S2Q20b_NoProject   : num NA NA NA 3 NA NA NA NA NA NA ...
$ S2Q21_Project1     : num NA NA NA 1 NA NA NA NA NA NA ...
$ S2Q21_Project2     : num NA NA NA 2 NA NA NA NA NA NA ...
$ S2Q21_Project3     : num NA NA NA 2 NA NA NA NA NA NA ...
$ S2Q21_Project4     : num NA NA NA 1 NA NA NA NA NA NA ...
$ S2Q21_Project5     : num NA NA NA 2 NA NA NA NA NA NA ...
$ S2Q21_Project6     : num NA NA NA 1 NA NA NA NA NA NA ...
$ S2Q21_Project7     : num NA NA NA 2 NA NA NA NA NA NA ...
$ Q22_R13            : num 2 2 2 1 2 2 2 2 2 2 ...
$ Q22_R14a           : num NA NA NA 1 NA NA NA NA NA NA ...
$ Q22_R14b           : num NA NA NA NA NA NA NA NA NA NA ...
$ Q22_R14c           : num NA NA NA NA NA NA NA NA NA NA ...
$ Q22_R15a           : num NA NA NA 1 NA NA NA NA NA NA ...
$ Q22_R15b           : num NA NA NA NA NA NA NA NA NA NA ...
$ Q22_R15c           : num NA NA NA NA NA NA NA NA NA NA ...
$ Q22_R23            : num 2 1 2 1 2 1 2 2 2 2 ...
$ Q22_R24a           : num NA 3 NA 1 NA 1 NA NA NA NA ...
$ Q22_R24b           : num NA 2 NA 2 NA 2 NA NA NA NA ...
$ Q22_R24c           : num NA NA NA NA NA 3 NA NA NA NA ...
$ Q22_R25a           : num NA 1 NA 6 NA 1 NA NA NA NA ...
$ Q22_R25b           : num NA NA NA NA NA 6 NA NA NA NA ...
$ Q22_R25c           : num NA NA NA NA NA NA NA NA NA NA ...
$ Q22_R33            : num 2 2 2 2 2 2 2 2 2 2 ...
$ Q22_R34a           : num NA NA NA NA NA NA NA NA NA NA ...
$ Q22_R34b           : num NA NA NA NA NA NA NA NA NA NA ...
$ Q22_R34c           : num NA NA NA NA NA NA NA NA NA NA ...
$ Q22_R35a           : num NA NA NA NA NA NA NA NA NA NA ...
$ Q22_R35b           : num NA NA NA NA NA NA NA NA NA NA ...
$ Q22_R35c           : num NA NA NA NA NA NA NA NA NA NA ...
$ S2Q23_Industrial   : num 1 1 2 2 1 1 1 1 1 1 ...
$ S2Q24_PublicPhone  : num 1 2 1 1 1 1 1 1 1 1 ...
$ S2Q25_PrivatePhone : num 1 1 1 1 1 1 1 1 1 1 ...
$ S2Q26_Internet     : num 1 2 2 2 2 2 1 2 1 2 ...
$ S2Q27a_CityPower   : num 2 2 2 2 1 2 1 1 1 1 ...
$ S2Q27b_Gas         : num 1 2 2 2 NA 2 1 2 1 1 ...

```

```

$ S2Q27c_Gasoline      : num  1 1 1 2 NA 1 1 1 1 1 ...
- attr(*, "codepage")= int 1252

NULL

#### Education #####
'data.frame':  719 obs. of  31 variables:
 $ VID                  : Factor w/ 719 levels "01001","01002",...: 499 405 671 516 2 103 509 390 42
389 ...
$ Q1_PriSchool         : num  1 2 2 1 2 2 2 2 1 2 ...
$ Q2a_1stProblem       : num  3 NA NA 3 NA NA NA NA 3 NA ...
$ Q2b_2ndProblem       : num  7 NA NA 8 NA NA NA NA 9 NA ...
$ Q2c_3rdProblem       : num 10 NA NA 10 NA NA NA NA 10 NA ...
$ Q3_PriSchoolImp      : num  1 NA NA 1 NA NA NA NA 1 NA ...
$ Q4_PriSchNearest     : num  NA 0.5 1.5 NA 0.7 0.2 1 0.5 NA 1.5 ...
$ Q5_GoPriSchool       : num  NA 1 3 NA 3 1 1 1 NA 1 ...
$ Q6_Hours             : num  NA 0 0 NA 0 0 NA 0 NA 0 ...
$ Q6_Minutes           : num  NA 10 30 NA 2 10 20 5 NA 15 ...
$ Q7_2ndSchool         : num  2 2 2 2 2 2 2 2 2 2 ...
$ Q8a_1stProblem       : num  NA NA NA NA NA NA NA NA NA NA NA ...
$ Q8b_2ndProblem       : num  NA NA NA NA NA NA NA NA NA NA NA ...
$ Q8c_3rdProblem       : num  NA NA NA NA NA NA NA NA NA NA NA ...
$ Q9_2ndSchoolImp      : num  NA NA NA NA NA NA NA NA NA NA NA ...
$ Q10_2ndSchoolNear    : num 18 0.5 2.5 2 0.8 4.2 2 0.5 1 1 ...
$ Q11_Attend           : num 18 0.5 2.5 2 0.8 4.2 2.5 0.5 1 1 ...
$ Q12_Go2ndSchool      : num  3 1 3 3 3 3 3 4 3 4 ...
$ Q13_Hours            : num  3 0 0 0 0 0 NA 0 0 0 ...
$ Q13_Minutes          : num  0 10 40 5 3 30 30 5 5 7 ...
$ Q14_UpSchool         : num  2 2 2 2 2 2 2 2 1 2 ...
$ Q15_1stProblem       : num  NA NA NA NA NA NA NA NA NA 3 NA ...
$ Q15_2ndProblem       : num  NA NA NA NA NA NA NA NA NA 9 NA ...
$ Q15_3rdProblem       : num  NA NA NA NA NA NA NA NA NA 10 NA ...
$ Q16_UpSchoolImp      : num  NA NA NA NA NA NA NA NA NA 1 NA ...
$ Q17_UpNearest        : num 80 0.5 2.5 8 0.98 6 2 0.5 NA 1 ...
$ Q18_GoUpSchool       : num  4 1 3 3 3 3 3 4 NA 4 ...
$ Q19_Hours            : num  4 0 0 0 0 0 NA 0 NA 0 ...

```



```
$ Q19_Minutes      : num  NA 10 40 15 3 50 30 4 NA 7 ...
$ Q20_Literacy     : num  2 2 2 2 2 2 2 2 2 2 ...
$ Q21_Program      : num  2 2 2 1 2 2 1 1 1 1 ...
- attr(*, "codepage")= int 1252
```

NULL

Employment

'data.frame': 2938 obs. of 6 variables:

```
$ PKID      : num  1 2 3 4 5 6 7 8 9 10 ...
$ VID       : Factor w/ 691 levels "01001","01002",...: 476 476 476 476 399 643 643 643 643 ...
$ S7_Line: num  1 2 4 10 8 1 2 3 4 5 ...
$ S7_Col3: num  10000 5000 8000 5000 35000 20000 12000 10000 12000 10000 ...
$ S7_Col4: num  10000 5000 8000 5000 35000 0 12000 10000 12000 10000 ...
$ S7_Col5: num  8000 5000 6000 3000 40000 0 0 0 0 9 ...
- attr(*, "codepage")= int 1252
```

NULL

FoodPrices

'data.frame': 21050 obs. of 6 variables:

```
$ PKID      : num  1 2 3 4 5 6 7 8 9 10 ...
$ VID       : Factor w/ 701 levels "01001","01002",...: 490 490 490 490 490 490 490 490 490 ...
$ S6A_Col1: num  3 4 5 6 7 11 12 13 14 19 ...
$ S6A_Col5: num  8000 10000 9000 12000 10000 12000 10000 1000 300 4500 ...
$ S6A_Col6: num  NA NA NA NA NA NA NA NA NA NA ...
$ S6A_Col7: num  NA NA NA NA NA NA NA NA NA NA ...
- attr(*, "codepage")= int 1252
```

NULL

Health

'data.frame': 718 obs. of 17 variables:

```
$ VID       : Factor w/ 718 levels "01001","01002",...: 499 405 670 516 2 103 509 390 42
389 ...
$ Q2a_HServices: num  2 2 1 2 2 1 2 2 2 2 ...
```

```

$ Q3a_1Major : num 1 11 3 8 10 12 7 7 1 7 ...
$ Q3b_2Major : num 3 NA 8 10 11 11 10 11 12 11 ...
$ Q3c_3Major : num 11 NA 11 11 7 8 11 12 8 12 ...
$ Q4a_1Major : num 3 10 2 7 11 8 2 2 2 7 ...
$ Q4b_2Major : num 5 7 7 8 3 7 6 10 10 10 ...
$ Q4c_3Major : num 8 11 8 11 10 2 7 7 7 11 ...
$ Q5a_ImmProg : num 2 1 2 2 2 2 2 2 2 2 ...
$ Q5b_MCH : num 1 1 2 1 1 2 1 1 2 2 ...
$ Q5c_HIV : num 2 2 2 2 1 1 1 2 1 2 ...
$ Q5d_Iodine : num 1 2 2 1 1 2 1 1 2 2 ...
$ Q6_HImprove : num 3 2 1 1 1 2 1 1 2 1 ...
$ Q7a_HIV : num 2 1 1 2 1 1 1 1 1 1 ...
$ Q7b_Total : num NA 3 5 NA 3 2 4 4 4 3 ...
$ Q7b_Males : num NA 2 2 NA 2 1 2 1 1 0 ...
$ Q7b_Females : num NA 1 3 NA 1 1 2 3 3 3 ...
- attr(*, "codepage")= int 1252

```

NULL

Medical

'data.frame': 10004 obs. of 6 variables:

```

$ PKID : num 1 2 3 4 5 6 7 8 9 12 ...
$ VID : Factor w/ 716 levels "01001","01002",...: 496 496 496 496 496 496 496 496 496
496 ...
$ Q1_LineNo: num 1 2 3 4 5 6 7 8 9 10 ...
$ Q1_Col3 : num 2 2 2 2 2 2 2 2 2 2 ...
$ Q1_Col4 : num NA NA NA NA NA NA NA NA NA NA ...
$ Q1_Col5 : num 18 80 18 18 18 80 316 80 80 18 ...
- attr(*, "codepage")= int 1252

```

NULL

MedicinePrices

'data.frame': 1684 obs. of 6 variables:

```

$ PKID : num 1 2 3 4 5 6 7 8 9 10 ...
$ VID : Factor w/ 340 levels "01002","01004",...: 180 180 180 180 180 180 180 180 180

```

180 ...

```
$ S6C_ItemNo: num 1 2 3 4 5 6 7 8 9 10 ...
$ S6C_Col5 : num 200 200 700 300 2000 500 100 200 400 300 ...
$ S6C_Col6 : num 200 200 700 300 2000 500 100 200 400 300 ...
$ S6C_Col7 : num 200 200 700 300 2000 500 100 200 400 300 ...
- attr(*, "codepage")= int 1252
```

NULL

NonFoodItems

'data.frame': 4058 obs. of 6 variables:

```
$ PKID : num 1 2 3 5 6 7 8 9 10 11 ...
$ VID : Factor w/ 647 levels "01001", "01002", ...: 455 455 455 361 361 361 361 361 361
361 ...
```

```
$ S6B_ItemNo: num 5 20 23 1 2 3 5 6 7 8 ...
$ S6B_Col5 : num 3000 3000 1000 1100 600000 287000 3000 750 50000 500000 ...
$ S6B_Col6 : num NA NA NA 710 615000 287000 3000 750 50000 500000 ...
$ S6B_Col7 : num NA NA NA 1000 600000 287000 3000 1000 50000 500000 ...
- attr(*, "codepage")= int 1252
```

NULL

RainfallDisaster

'data.frame': 716 obs. of 37 variables:

```
$ VID : Factor w/ 716 levels "01001", "01002", ...: 497 403 669 514 2 507 388 42 387
1 ...
```

```
$ Q1a_RainfallDry : num 1 1 3 2 2 3 2 2 1 2 ...
$ Q1b_RainfallWet : num 3 1 3 3 2 1 2 2 1 2 ...
$ Q2a_DistrRainDry: num 1 1 3 2 2 3 1 2 1 2 ...
$ Q2b_DistrRainWet: num 3 1 3 1 2 1 1 2 1 2 ...
$ Q3a_RainTimeDry : num 3 2 2 3 1 2 2 3 1 3 ...
$ Q3b_RainTimeWet : num 2 1 2 2 1 1 3 3 1 3 ...
$ Q4a_CropDamDry : num 2 2 2 2 2 2 2 1 NA 2 ...
$ Q4b_CropDamWet : num 2 2 2 1 2 2 2 1 NA 2 ...
$ Q5a_HarvestDry : num 2 2 2 2 1 3 2 3 NA 2 ...
$ Q5b_HarvestWet : num 3 2 2 2 1 2 2 3 NA 2 ...
```

```

$ Q6_Disaster5year: num 2 2 1 1 1 1 2 1 2 1 ...
$ Q7_Drought3      : num NA NA 1 NA NA NA NA NA NA ...
$ Q7_Drought4      : num NA NA NA 1 NA 1 NA NA NA NA ...
$ Q7_Drought5      : num NA NA NA 1 NA 1 NA NA NA NA ...
$ Q7_Drought6      : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Drought7      : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Flood3        : num NA NA NA 1 NA NA NA NA NA 1 ...
$ Q7_Flood4        : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Flood5        : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Flood6        : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Flood7        : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_CropFail3     : num NA NA NA 1 1 1 NA NA NA 1 ...
$ Q7_CropFail4     : num NA NA NA 1 1 NA NA NA NA 1 ...
$ Q7_CropFail5     : num NA NA NA 1 1 NA NA NA NA 1 ...
$ Q7_CropFail6     : num NA NA NA 1 NA NA NA NA NA 1 ...
$ Q7_CropFail7     : num NA NA NA 1 NA NA NA NA NA 1 ...
$ Q7_Fire3         : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Fire4         : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Fire5         : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Fire6         : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Fire7         : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Other3        : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Other4        : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Other5        : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Other6        : num NA NA NA NA NA NA NA NA NA NA ...
$ Q7_Other7        : num NA NA NA NA NA NA NA NA NA NA ...

```

```

- attr(*, "codepage")= int 1252

```

NULL

```

#### Recruitment #####

```

```

'data.frame': 689 obs. of 9 variables:

```

```

$ VID              : Factor w/ 688 levels "01001","01002",...: 483 389 643 500 2 91 493 374 35
373 ...
$ S10Q1_Work       : num 2 2 2 2 2 2 2 2 1 2 ...
$ S10Q2_Who        : num NA NA NA NA NA NA NA NA 2 NA ...

```

```

$ S10Q3_Recruited: num  NA NA NA NA NA NA NA NA 1 NA ...
$ S10Q4_TypeWork : num  NA NA NA NA NA NA NA NA 5 NA ...
$ S10Q5_WhereSent: num  NA NA NA NA NA NA NA NA 2 NA ...
$ S10Q6a_District: Factor w/ 29 levels " ", "0105",...: 1 1 1 1 1 1 1 1 1 ...
$ S10Q6b_Province: Factor w/ 13 levels " ", "01", "02",...: 1 1 1 1 1 1 1 1 1 ...
$ S10Q6c_Country : Factor w/ 1 level " ": 1 1 1 1 1 1 1 1 1 ...
- attr(*, "codepage")= int 1252

```

NULL

RentalPrices

'data.frame': 7170 obs. of 7 variables:

```

$ PKID : num  1 2 3 4 5 6 7 8 9 10 ...
$ VID   : Factor w/ 719 levels "01001", "01002",...: 499 499 499 499 499 499 499 499 499 ...
$ S9a_Line: num  1 2 3 4 5 6 7 8 9 10 ...
$ S9a_Col3: num  1 2 2 2 2 1 2 2 2 2 ...
$ S9a_Col4: num  NA NA NA NA NA NA NA NA NA NA ...
$ S9a_Col5: num  NA NA NA NA NA NA NA NA NA NA ...
$ S9a_Col6: num  9e+05 NA NA NA NA 5e+04 NA NA NA NA ...
- attr(*, "codepage")= int 1252

```

NULL

Resources

'data.frame': 5730 obs. of 6 variables:

```

$ PKID : num  1 2 3 4 5 6 7 8 9 10 ...
$ VID   : Factor w/ 717 levels "01001", "01002",...: 499 499 499 499 499 499 499 499 405 405 ...
$ S8_Line: num  1 2 3 4 5 6 7 8 1 2 ...
$ S8_Col3: num  1 1 1 2 1 1 1 1 3 3 ...
$ S8_Col4: num  2 2 2 4 4 2 4 3 4 4 ...
$ S8_Col5: num  2 2 2 NA NA 2 NA 3 NA NA ...
- attr(*, "codepage")= int 1252

```

NULL

```
#### SalesPrices #####
'data.frame':  7175 obs. of  5 variables:
 $ PKID      : num  1 2 3 4 5 6 7 8 9 10 ...
 $ VID       : Factor w/ 719 levels "01001", "01002",...: 499 499 499 499 499 499 499 499 499 ...
 $ S9b_Line: num  1 2 3 4 5 6 7 8 9 10 ...
 $ S9b_Col3: num  1 2 2 2 2 2 2 1 2 2 ...
 $ S9b_Col4: num  4500000 NA NA NA NA NA NA 1200000 NA NA ...
- attr(*, "codepage")= int 1252
NULL
```

S1.3 Village identifier

- VID is the village identifier, and it corresponds to the variable psu in weighthouseholds.area.

```
> dv<-v.files[[1]]          # DemograpInfo
> dv<-dv[order(dv$VID),]
> wa<-outfiles[[1]]         #weighthouseholds.area
> table(dv$VID==wa$psu)
TRUE
720
```

CONFIDENTIAL

All information collected in this survey is strictly confidential and will be used for statistical purposes only

Royal Government of Cambodia
Ministry of Planning
National Institute of Statistics

FORM 2

**CAMBODIA SOCIO-ECONOMIC SURVEY
VILLAGE QUESTIONNAIRE 2009**

A. To be completed by supervisor before interview		
Province /City		
District /Khan		
Commune/Sangkat		
Sample Village/Mondol		
Zone		
Sector (Urban=1, Rural=2)		

B. To be completed by supervisor									
Names of persons interviewed:									
No.	Name				Position				
1									
2									
3									
4									
Date of interview 1	Day:			Month:			Year:		
Date of interview 2	Day:			Month:			Year:		
Date of interview 3	Day:			Month:			Year:		
Date of interview 4	Day:			Month:			Year:		
Supervisor's name:							Id:		
Supervisor's signature:									
Supervisor's phone no:									

C. To be completed after checking completed questionnaires									
Name:						Id:			
Date checked	Day:			Month:			Year:		
Date of re-interview (if necessary)	Day:			Month:			Year:		
Signature:									

1. DEMOGRAPHIC INFORMATION

1 How many households live in this village?			
as on day	<input style="width: 50px;" type="text"/>	month	<input style="width: 50px;" type="text"/>
		year	<input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>
2 How many people live in this village as of the same date?		Persons:	<input style="width: 100px;" type="text"/>
3 Of these, how many are below 18 years as of the same date?			
Total:	<input style="width: 100px;" type="text"/>	Boys:	<input style="width: 100px;" type="text"/>
		Girls:	<input style="width: 100px;" type="text"/>
4 Of these, how many are 18 years or more as of the same date?			
Total:	<input style="width: 100px;" type="text"/>	Men:	<input style="width: 100px;" type="text"/>
		Women:	<input style="width: 100px;" type="text"/>
5 What is the total land area of this village?		Km ² :	<input style="width: 100px;" type="text"/>
6 During the last 5 years, have more new people moved to your village, or have there been more people that moved out of your village?			<input style="width: 50px;" type="text"/>
1 = More arrivals 2 = More departures 3 = About the same of both 4 = No arrivals or departures			
7 How many households were there 5 years ago?			<input style="width: 100px;" type="text"/>
8 How many people were there 5 years ago?			<input style="width: 100px;" type="text"/>

2. ECONOMY AND INFRASTRUCTURE

1 What is the total area of agricultural land available in this village?	Hectares:	<input style="width: 100px;" type="text"/>
2 Of which the total irrigated agricultural land is?	Hectares:	<input style="width: 100px;" type="text"/>
3 What is the total area prepared for paddy cultivation?	Hectares:	<input style="width: 100px;" type="text"/>
4 Of which the area of irrigated paddy land is?	Hectares:	<input style="width: 100px;" type="text"/>
5 What are the major crops that are grown in this village? (List up to 4 crops in order of importance)		(Leave blank if none)

Crop N°	Name of crop	CODE
(1)	(2)	(3)
1		
2		
3		
4		

- 6 What are the major non-agricultural enterprises that are operating in this village? (List up to 4 most important enterprises in descending order of output or employment. Their can be two enterprises in the same industry)
(Leave blank if none)

Enterprise N°	Description of enterprise	CODE
(1)	(2)	(3)
1		
2		
3		
4		

7 How far from this village is the nearest bus stop? (Write '0' if within the village) Km.:

8 How far from this village is the nearest public or private taxi stop? (Write '0' if within the village) Km.:

9 a. Does the village have access to a motorable road? 1 = Yes (=>> 11) 2 = No

b. Can four wheelers enter the village?

10 a. Does the village have all weather roads?

1 = Yes (=>> 11) 2 = No

b. How many kilometers away from an all-weather road is this village? Km:

11 Approximately what percentage of households in this village have public or private electricity, including generators but not including batteries? %:

If no household has electricity, write "0"

12 Approximately what percentage of households in this village have piped water in dwelling or on premises? %:

If no household has piped water, write "0"

13 What is the major source of drinking water for most people in this village during the wet season?

01 = Piped in dwelling

02 = Public tap

03 = Tubed/piped well or borehole

04 = Protected dug well (including all of the following:
Lining, headwall, platform, cover)

05 = Unprotected dug well

06 = Pond, river or stream (fetch water from pond, river, stream)

07 = Pond, river or stream (pump to the house)

08 = Improved rainwater collection (catchment tank needs to have all the following: completely closed, tap to withdraw water and at least 3000 litres capacity)

09 = Unimproved rainwater collection

10 = Water bought from tanker truck or vendor

11 = Bottled water

12 = Other (Specify)

14 What is the major source of drinking water for most people in this village during the dry season?

01 = Piped in dwelling

02 = Public tap

03 = Tubed/piped well or borehole

04 = Protected dug well (including all of the following:
Lining, headwall, platform, cover)

05 = Unprotected dug well

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09 = Unimproved rainwater collection

10 = Water bought from tanker truck or vendor

11 = Bottled water

12 = Other (Specify)

15 Are there the following amenities/services in this village?

Line Nº	Amenity/service	Is there a ..[AMENITY/ SERVICE]... in the village? 1 = Yes (=> Next line) 2 = No	How far is the nearest ..[AMENITY/ SERVICE]... from this village? KILOMETERS
(1)	(2)	(3)	(4)
1	Food shop or restaurant		
2	Bank or loan credit unit		
3	Agricultural extension worker		
4	Permanent market		
5	Shop selling manure and agro-chemicals		

16 What is the distance to the district head quarter? (Write '0' if within the village) Km.:

17 What is the distance to the provincial head quarter? (Write '0' if within the village) Km.:

18 a. Are there any kind of government development projects presently functioning in this Village?

1 = Yes

2 = No

b. How many projects are now functioning in this village?

19 For each kind of project indicate:

Line Nº	Is there presently any [PROJECT].. functioning in this village? (Government development project)	Code: 1 = Yes 2= No
(1)	(2)	(3)
1	Agricultural Development (e.g., land development, seed distribution, fishery, animal health, irrigation.)	
2	Infrastructure Development (e.g., road development)	
3	Education/adult literacy programme	
4	Health	
5	Water project (bore wells, tanks, dams)	
6	Village Development Committee	
7	Other (specify)	

20 a. Are there any kinds of NGO development projects presently functioning in this Village?

1 = Yes

2 = No

b. Number of projects:

21 For each kind indicate:

Line Nº	Is there presently any [PROJECT].. functioning in this village? (NGO development project)	Code: 1 = Yes 2= No
(1)	(2)	(3)
1	Agricultural Development (e.g., land development, seed distribution, fishery, animal health irrigation.)	
2	Infrastructure Development (e.g., road development)	
3	Education/adult literacy programme	
4	Health	
5	Water project (bore wells, tanks, dams)	
6	Village Development Committee	
7	Other (specify)	

22 (Ask the following questions about the past 12 months)

SERIAL NUMBER	AGENCY	Did households in the village receive technical support regarding agriculture from this agency ? 1=Yes 2=No (=>> Next line)	Was the technical support for crops or livestock or fisheries? 1 = Crops 2 = Livestock 3 = Fisheries			What was the main form of the technical support ? 1=Home visit 2=Radio broadcast 3=Printed bulletin 4=Newspaper article 5=Television program 6=Training 7=Other(specify)		
(1)	(2)	(3)	(4a)	(4b)	(4c)	(5a)	(5b)	(5c)
1	Government agency							
2	Community organisation, NGO							
3	Private company							

23 Is there any large industrial or commercial enterprise (e.g., factory, hotel, restaurant or company employing more than 10 persons) in this village or within 10 kms of this village?

1 = Yes

2 = No

24 Does the village have a public telephone?

1 = Yes

2 = No

25 Are there any households with private phones?

1 = Yes 2 = No

26 Does the village have an Internet café or any shop where people can get access to Internet in the village?

1 = Yes 2 = No

27 Does the village have access to the following energy sources...?

1 = Yes

2 = No

a. Publicly-provided electricity/City power?

☐

b. Gas?

☐

c. Gasoline?

☐

Note: Publicly provided electricity/City power should be electricity supplied by electricity department or any other agency

3. RAINFALL AND NATURAL DISASTERS

(Ask the following questions about the past wet and dry season, keeping in mind the main crops of the village.)

Note: Past wet-season should refer to the wet-season last calendar year.

If interview takes place in January - June: past dry-season should refer to the dry-season last calendar year.

If interview takes place in July - December: past dry-season should refer to the dry-season this calendar year.

<p>1 Would you say the total amount of rainfall was normal, better than normal, or worse than normal?</p> <p style="margin-left: 40px;">1 = Normal 2 = Better than Normal 3 = Worse than Normal</p>	<p>a. ...in the past dry-season?</p> <p>b. ...in the past wet-season?</p>	<input type="text"/> <input type="text"/>																																																	
<p>2 Would you say that the distribution of rainfall across different months was normal, better than normal, or worse than normal?</p> <p style="margin-left: 40px;">1 = Normal 2 = Better than Normal 3 = Worse than Normal</p>	<p>a. ...in the past dry-season?</p> <p>b. ...in the past wet-season?</p>	<input type="text"/> <input type="text"/>																																																	
<p>3 Would you say that the onset of rainfall was on time, delayed or early (compared to normal)?</p> <p style="margin-left: 40px;">1 = On time 2 = Delayed 3 = Early</p>	<p>a. ...in the past dry-season?</p> <p>b. ...in the past wet-season?</p>	<input type="text"/> <input type="text"/>																																																	
<p>4 Would you say that the crops were damaged by floods/too much rain?</p> <p style="margin-left: 40px;">1 = Yes 2 = No</p>	<p>a. ...in the past dry-season?</p> <p>b. ...in the past wet-season?</p>	<input type="text"/> <input type="text"/>																																																	
<p>5 Was the harvest good, normal, or bad:</p> <p style="margin-left: 40px;">1 = Good 2 = Normal 3 = Bad</p>	<p>a. ...in the past dry-season?</p> <p>b. ...in the past wet-season?</p>	<input type="text"/> <input type="text"/>																																																	
<p>6 Was there any disaster in the village during the past 5 years?</p> <p style="margin-left: 40px;">1 = Yes 2 = No (=>> next section)</p>																																																			
<p>7 Mark (x) the years in which the following types of disaster affected the village.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">LINE Nº</th> <th>TYPE</th> <th>2008</th> <th>2007</th> <th>2006</th> <th>2005</th> <th>2004</th> </tr> <tr> <th>(1)</th> <th>(2)</th> <th>(3)</th> <th>(4)</th> <th>(5)</th> <th>(6)</th> <th>(7)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Drought</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Flood</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>Crop failure due to pests</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>Major fire (forest, field)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>Other (specify)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			LINE Nº	TYPE	2008	2007	2006	2005	2004	(1)	(2)	(3)	(4)	(5)	(6)	(7)	1	Drought						2	Flood						3	Crop failure due to pests						4	Major fire (forest, field)						5	Other (specify)					
LINE Nº	TYPE	2008	2007	2006	2005	2004																																													
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1	Drought																																																		
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4. EDUCATION	
1 Is there a primary school in this village? 1 = Yes 2 = No (less than 10)	<input style="width: 100px; height: 20px;" type="text"/>
2 What are the major problems with primary schooling in this village? (List the three most important problems, in order of their importance.) (Read out a few possible answers only if respondent does not respond.) 01 = School too far 02 = Poor school building 03 = Living standard of teachers is too low 04 = School budget constraint 05 = Not enough places/desks 06 = Not enough supplies 07 = Poor quality of teachers 08 = Not enough teachers 09 = Classes not held regularly 10 = Poor living standard in the village 11 = Other (specify)	a. Most important problem: <input style="width: 100px; height: 20px;" type="text"/> b. Second most important problem: <input style="width: 100px; height: 20px;" type="text"/> c. Third most important problem: <input style="width: 100px; height: 20px;" type="text"/>
3 Has the primary school for the children in this village improved, stayed the same or deteriorated over the past 5 years? 1 = Improved 2 = Stayed the same 3 = Deteriorated <div style="border: 1px solid black; display: inline-block; padding: 2px 10px;">=>> 7</div>	<input style="width: 100px; height: 20px;" type="text"/>
<i>Note: Think of the building, toilet facilities/sanitation, quality of teachers, school equipment etc.</i>	
4 How far away is the primary school nearest to this village?	Km.: <input style="width: 100px; height: 20px;" type="text"/>
5 How do most of the children go to the primary school? 1 = On foot 2 = Motor-drawn cart or horse-drawn cart 3 = Bicycle 4 = Motorcycle 5 = Truck 6 = Boat/Canoe 7 = Bus 8 = Others (specify)	<input style="width: 100px; height: 20px;" type="text"/>
6 How long does it typically take for children of this village to reach there? (Time one way)	
HOURS: <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> MINUTES: <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>	
7 Is there a lower secondary school in this village? 1 = Yes 2 = No (less than 10)	<input style="width: 100px; height: 20px;" type="text"/>

<p>8 What are the major problems with lower secondary schooling in this village? (List the three most important problems, in order of their importance.) (Read out a few possible answers only if respondent does not respond.)</p>	
<p>01 = School too far 02 = Poor school building 03 = Living standard of teachers is too low 04 = School budget constraint 05 = Not enough places/desks 06 = Not enough supplies 07 = Poor quality of teachers 08 = Not enough teachers 09 = Classes not held regularly 10 = Poor livingstandard in the village 11 = Other (specify)</p>	<p>a. Most important problem: <input style="width: 40px;" type="text"/></p> <p>b. Second most important problem: <input style="width: 40px;" type="text"/></p> <p>c. Third most important problem: <input style="width: 40px;" type="text"/></p>
<p>9 Has the lower secondary school for the children of this village improved, stayed the same or deteriorated over the past 5 years?</p>	
<p>1 = Improved 2 = Stayed the same 3 = Deteriorated</p>	<p><input style="width: 40px;" type="text"/></p>
<p>=>> 14</p> <p><i>Note: Think of the building, toilet facilities/sanitation, quality of teachers, school equipment etc.</i></p>	
<p>10 How far away is the lower secondary school nearest to this village? Km.: <input style="width: 40px;" type="text"/></p>	
<p>11 How far away is the lower secondary school which most of the children of this village attend? Km.: <input style="width: 40px;" type="text"/></p>	
<p>12 How do most of the children go to the secondary school?</p>	
<p>1 = On foot 2 = Motor-drawn cart or horse-drawn cart 3 = Bicycle 4 = Motorcycle</p>	<p>5 = Truck 6 = Boat/Canoe 7 = Bus 8 = Others (specify)</p>
<p>13 How long does it typically take for children of this village to reach there? (Time one way)</p>	
<p>HOURS: <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/></p>	<p>MINUTES: <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/></p>
<p>14 Is there an upper secondary school in this village?</p>	
<p>1 = Yes 2 = No (=> 13)</p>	

15 What are the major problems with upper secondary schooling in this village?

(List the three most important problems, in order of their importance.)

(Read out a few possible answers only if respondent does not respond.)

- 01 = School too far
- 02 = Poor school building
- 03 = Living standard of teachers is too low
- 04 = School budget constraint
- 05 = Not enough places/desks
- 06 = Not enough supplies
- 07 = Poor quality of teachers
- 08 = Poor job prospects
- 09 = Financial problems for family
- 10 = Poor livingstandard in the village
- 11 = Other (specify)

a. Most important problem:

b. Second most important problem:

c. Third most important problem:

16 Has the upper secondary school for the children of this village improved, stayed the same or deteriorated over the past 5 years?

- 1 = Improved
- 2 = Stayed the same
- 3 = Deteriorated

=>> 20

Note: Think of the building, toilet facilities/sanitation, quality of teachers, school equipment etc.

17 How far away is the upper secondary school nearest to this village?

Km.:

18 How do most of the children go to the upper secondary school?

- 1 = On foot
- 2 = Motor-drawn cart or horse-drawn cart
- 3 = Bicycle
- 4 = Motorcycle
- 5 = Truck
- 6 = Boat/Canoe
- 7 = Bus
- 8 = Others (specify)

19 How long does it typically take for children of this village to reach there? (Time one way)

HOURS:

MINUTES:

20 Is there presently an adult literacy program in this village?

1 = Yes (=>> Next Part)

2 = No

21 Has there been such a program before?

1 = Yes

2 = No

5. HEALTH

1 Please fill-out the table below on availability of medical services:

LINE Nº	TYPE	Is there a ...[TYPE] ... in this village? 1 = Yes 2 = No (=>> col.5)	Indicate number of centres, doctors, nurses etc.	How far away is the nearest ...[TYPE]..
			=>> Next line NUMBER	KILOMETERS
(1)	(2)	(3)	(4)	(5)
01	Private clinic?			
02	Dedicated drug shop?			
03	Other shop selling drugs?			
04	Communal Health Centre?			
05	Referral (or District) Hospital?			
06	Provincial Hospital?			
07	National Hospital?			
08	Private hospital?			
09	Doctor?			
10	Nurse?			
11	Trained midwife?			
12	Traditional Birth Attendant (TBA)?			
13	Kru Khmer?			
14	Other traditional healer?			

2 a. Are there any other health services or personnel in this village that were not cited above?

1 = Yes

2 = No (=>> 2)

b. Please describe it:

3 What are the major health problems in this village?

(List the three most important problems, in order of their importance.)

(Read out a few possible answers only if respondent does not respond.)

01 = Malaria

02 = Complications from childbirth

03 = Child malnutrition

04 = Adult malnutrition

05 = Injuries/accidents

06 = Childhood diseases (measles, chicken pox etc.)

07 = Diarrhoea

08 = Respiratory diseases (e.g., chronic cough, tuberculosis)

09 = Leprosy

10 = Dengue

11 = Fever

12 = Other (specify)

a. Most important problem:

b. Second most important problem:

c. Third most important problem:

<p>4 What are the major problems with the health services (public and private) for the people in this village? (List the three most important problems, in order of their importance.) (Read out a few possible answers only if respondent does not respond.)</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>01 = Lack of beds in hospital, equipment etc. 02 = Not enough medicines, drugs 03 = Poor quality of services 04 = No physician or qualified medical assistant available 05 = No secondary nurse / midwife available 06 = Health facility is not open 24 hours 07 = Health services are too expensive 08 = Long distance to better quality care 09 = Unsanitary health facilities 10 = Staff are unhelpful 11 = Staff are not friendly 12 = Other (specify)</p> </div> <div style="width: 35%;"> <p>a. Most important problem: <input style="width: 40px;" type="text"/></p> <p>b. Second most important problem: <input style="width: 40px;" type="text"/></p> <p>c. Third most important problem: <input style="width: 40px;" type="text"/></p> </div> </div>			
<p>5 Are there any of the following health programmes in the village?</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 30%;"> <p>1 = Yes 2 = No</p> </div> <div style="width: 65%;"> <div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> <div style="width: 45%;"> <p>a. Immunisation Programme? <input style="width: 40px;" type="text"/></p> <p>c. Testing for HIV/AIDS? <input style="width: 40px;" type="text"/></p> </div> <div style="width: 45%;"> <p>b. MCH/FP Programme? (Maternal and child health/Family planning) <input style="width: 40px;" type="text"/></p> <p>d. Programme for iodine deficiency/Goiter? <input style="width: 40px;" type="text"/></p> </div> </div> </div> </div>			
<p>6 Have the health services for the people of this village improved, stayed the same or deteriorated in the past 5 years?</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <p>1 = Improved 2 = Stayed the same 3 = Deteriorated</p> </div> <div style="width: 35%;"> <input style="width: 40px;" type="text"/> </div> </div>			
<p>7 a. Are there any reported cases of HIV/AIDS in the village? (Discretely enquire and fill out this information) <input style="width: 40px;" type="text"/></p> <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 10px;"> <div style="width: 30%;"> <p>1 = Yes 2 = No (=>> Section 6)</p> </div> <div style="width: 65%;"> <p>b. How many cases?</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 20%;">TOTAL: <input style="width: 40px;" type="text"/></div> <div style="width: 20%;">MALES: <input style="width: 40px;" type="text"/></div> <div style="width: 20%;">FEMALES: <input style="width: 40px;" type="text"/></div> </div> </div> </div>			

6. RETAIL PRICES

A FOOD PRICES

New Items 2009

ITEM NUMBER	ITEM DESCRIPTION	DESCRIPTION (MAKE, QUALITY, NAME, ETC.)	UNIT	PRICE IN RIELS		
				First observation	Second observation	Third observation
				RIELS	RIELS	RIELS
(1)	(2)	(3)	(4)	(5)	(6)	(7)
01	Rice	Rice, quality no.2 White, Neang-Menh	1 Kg			
02	Rice	Rice, quality no.1 White, Phaka kanhey, Battambang	1 Kg			
03	Pork rib	Pork rib, Khmer	1 Kg			
04	Pork with fat	Pork, with fat, Khmer	1 Kg			
05	Mud fish	Mud fish, (small)	1 Kg			
06	Mud fish	Mud fish, (large)	1 Kg			
07	Cat fish, Andeng	Cat fish, Andeng fish	1 Kg			
08	Other fresh fish (Pra)	Other fresh fish (Pra)	1 Kg			
09	Sea fish	Sea fish, small, Plathou fish	1 Kg			
10	Tilapia	Tilapia, medium	1 Kg			
11	Pork without fat	Pork, without fat, Pure meat	1 Kg			
12	Fresh Chicken	Fresh Chicken, No1, plucked	1 Kg			
13	Cigarettes	Local, Rubsek, Cambodian	1 pack			
14	Duck egg	Duck's eggs	1 piece			
15	Fresh beef	Fresh Beef, No.1	1 kg			
16	Meals at work	Meals at work, (cooked rice with meat)	1 serving			
17	Prepared meals	Prepared Meals (fried fish) (Chi Keng)	1 fish			
18	Snacks	Snacks, (noodles) cooked	1 bowl			
19	Glutamate/spoon	Monosodium glutamate, seasoning Spoon,Thai	0.5kg/pack			
20	Banana (Namwa)	Banana, ripe (Namwa)	1 hand			
21	Fat, pork (Liquid)	Pork fat (Liquid)	1 Kg			
22	Sugar	Granulated sugar, (refined) white, No.1, Thai	1 Kg			
23	Glutinous rice	Glutinous rice, good quality Khmer	1 Kg			
24	Dried fish	Dried fish, Chhdor fish,big	1 Kg			
25	Smoked fish	Smoked fish, Riel fish, small	50 gr			
26	Coconut	Coconut, (Matured) Medium, Khmer	1 Piece			
27	Vegetable oil	Vegetable oil/soybean oil	2 kg container			
28	Cucumber pickles	Cucumber pickles	1 kg			

A FOOD PRICES (CONT.)

ITEM NUMBER	ITEM DESCRIPTION	DESCRIPTION (MAKE, QUALITY, NAME, ETC.)	UNIT	PRICE IN RIELS		
				First observation	Second observation	Third observation
				RIELS	RIELS	RIELS
(1)	(2)	(3)	(4)	(5)	(6)	(7)
29	Cheese Fish	Cheese fish, Riel fish, small	1 kg			
30	Sugar	Brown Sugar	1 kg			
31	Canned fish	Canned fish, (sardines) Three ladies, 250g	1 kg			
32	Powdered milk	Powdered (baby)	1 kg-can			
33	Cucumber	Cucumbers, medium size	1 kg			
34	Fresh duck	Fresh duck, Plucked	1kg			
35	Sweetened milk	Condensed (sweetened) Alaska, 379g	1 can			
36	Trakun	Trakun (Watercress, marshcabbage) Good	1 kg			
37	White gourd	White gourd	1 kg			
38	Soft drink	Canned soft drinks (Coke)	330 ml can			
39	Garlic	Garlic	1 kg			
40	Cabbage leaves	Cabbage leaves	1 kg			
41	Peanuts	Peanuts, medium, no shell	1 kg			
42	Instant coffee	Instant coffee, Thai	200 g bottle			
43	Alcohol	Mekong wishsky, bottle, 750ml, (SKD), domestic Wine	1 bottle			
44	Ginger	Ginger, medium	1 kg			
45	Fish sauce	Fish sauce No.1, Kampot	750 ml/bottle			
46	Lettuce, spinach	Lettuce, spinach	1kg			
47	Others	Others (mustard leaves coriander leaves, etc), Khmer	bunch			
48	Water melon	Water melon Medium,	1Piece			
49	Banana blossoms	Others (banana blossoms)	1kg			
50	Ice tube	Ice tube	1kg			
51	Mangoe	Mangoes, ripe, Local, Keochen	1dozen			
52	Onion leaves	Onion leaves sowkKUqay	1kg			
53	Black pepper	Ground black pepper	1kg			

B NON-FOOD ITEMS

New Items 2009

ITEM NUMBER	ITEM DESCRIPTION	DESCRIPTION (MAKE, QUALITY, NAME, ETC.)	UNIT	PRICE IN RIELS		
				First observation	Second observation	Third observation
				RIELS	RIELS	RIELS
(1)	(2)	(3)	(4)	(5)	(6)	(7)
01	Electricity	Electricity	Kwh			
02	Motor bicycle	Motorcycle, Honda, Thai, C100	unit			
03	Motor cycle	Motorcycle, Wave brand 100 cc (made in China)	1 piece			
04	Car	Second hand cars, Toyota Corolla 1.8G (1994 model)	1 piece			
05	Kerosene	Liquid fuels (Kerosene)	1 liter			
06	Water Charges	Water Charges	m3			
07	Gas	Gas, (for Cooking),15kg	1 Fug			
08	Gold ring	Gold ring, (4 grams quality 99% of gold)	1 chi			
09	Bicycles	Bicycles, MIKI (made in China)	1 piece			
10	Charcoal	Charcoal	Kg			
11	G.I Sheet	G.I Sheet, Size 8li	Kg			
12	Photocopy service	Photocopy Services, (10copies)	10 copies			
13	Charge passport	Charge for Passport, (Normal),	1 piece			
14	TV	Television JVC 14", colored, Japan	unit			
15	Sand	Sand, rough	1 m3			
16	Cement	Cement, Elephant, P600, Thai	50 kg/sack			
17	Gravel	Gravel, size 1x2, Cambodia	1 m3			
18	Money transfer	Money transfer, (amount 2,000,000 Riel), domestic	1 service			
19	Mobile phone	Mobile phone equipment, Nokia (6020 Series), Import	1 piece			
20	Diesel	Diesel	1 liter			
21	Wristwatch	Wristwatch (Men's), Polostar, round, Use Balfory, Japan	1 unit			
22	Lumber Teal	Lumber Teal, wood, contruction wood, 2m (l), 5cm (w), 2cm (h)	1 m3			
23	Motorcycle repair	Inner tube repair, Motorcycle, (repair of one (1) patch/hole only)	1 patch			
24	Shirt	Mens shirt, longsleeved, size (M-L), Khmer	piece			
25	Radio	Radio, Ultra, 2 band (AM, FM), China, 2 batteries of size AA	unit			
26	Blouse	Blouses/ tops, womens, all color, longsleeved, Khmer	piece			
27	Video	Video DVD player,Sony, Malaysia	1 piece			

C MEDICINE PRICES

ITEM NUMBER	ITEM DESCRIPTION	DESCRIPTION (MAKE, QUALITY, NAME, ETC.)	UNIT	PRICE IN RIELS		
				First observation	Second observation	Third observation
				RIELS	RIELS	RIELS
(1)	(2)	(3)	(4)	(5)	(6)	(7)
01	Tetracycline	250 mg, Malaysia	capsule			
02	Ampicillin	250 mg, France	capsule			
03	Penicillin	1,000,000 UI, Thai	vial			
04	Aspirin	500 mg, France	pill			
05	Vitamin C	Vitamin C, 500 mg, France	pill			
06	Rifampicin	500 mg., Australia	pill			
07	Co-trimoxazol	300 mg, Korean	pill			
08	Paracetamol	500 mg, France	pill			
09	ORS	500 mg, Korean	packet			
10	Multi-Vitamin	Thai	pill			

7. EMPLOYMENT AND WAGES				
LINE NUMBER	TYPE OF WORK	Daily Wage Rates (in Riels)		
		MALES	FEMALES	CHILDREN
		RIELS / DAY	RIELS / DAY	RIELS / DAY
(1)	(2)	(3)	(4)	(5)
01	Ploughing (animal traction)*			
02	Transplanting of paddy			
03	Caring for crops			
04	Harvesting			
05	Unskilled construction work			
06	Weaving			
07	Rattan furniture			
08	Grill worker			
09	Tailoring			
10	Sewing			

8. ACCESS TO COMMON PROPERTY RESOURCES DURING THE LAST 5 YEARS				
LINE NUMBER	Are there any of the following common natural resources available to the people of this village? 1 = Yes 2 = Yes, but not legally 3 = No	Code	Has availability:	Is there depletion through overuse of this resource at present?
			1= increased, 2= stayed the same or 3=diminished 4=Never had (=>> Next line) in the last 5 years?	1 = Yes, a lot 2 = Yes, some 3 = No
(1)	(2)	(3)	(4)	(5)
1	Land for cultivation			
2	Firewood/charcoal to be collected			
3	Timber to be taken for house construction			
4	Fish to be caught from lake or river			
5	Bamboo to be taken			
6	Open land for animal grazing			
7	Fruits to be picked			
8	Wild animals for hunting			

9. SALES PRICES OF AGRICULTURAL LAND IN THE VILLAGE

9a. Rental prices

LINE NUMBER	LAND TYPE	Is there any (...) land available for rent in this village? 1 = Yes 2 = No (=>> Next line)	What is the current rental price of ..[LAND TYPE]..per hectare in this village?		
			Per month	Per season	Per year
			RIELS/HECTARE	RIELS/HECTARE	RIELS/HECTARE
(1)	(2)	(3)	(4)	(5)	(6)
01	Wet-season land				
02	Dry-season land				
03	Wet and dry season land				
04	Chamkar land				
05	Kitchengarden (backyard)				
06	Land with permanent crops				
07	Land for raising livestock				
08	Private forestry land				
09	Idle agricultural land				
10	Other agricultural land (Specify)				

9b. Sales prices

LINE NUMBER	LAND TYPE	Is there any [...] land available for sale in this village?	What is the current sales price of ..[LAND TYPE].. per hectare in this village?
		1 = Yes 2 = No (=>> Next line)	RIELS
(1)	(2)	(3)	(4)
01	Wet-season land		
02	Dry-season land		
03	Wet and dry season land		
04	Chamkar land		
05	Kitchengarden (backyard)		
06	Land with permanent crops		
07	Land for raising livestock		
08	Private forestry land		
09	Idle agricultural land		
10	Other agricultural land (Specify)		

10. RECRUITMENT OF CHILDREN FOR WORK OUTSIDE THE VILLAGE.	
1 Are you aware of instances in your village where children of age 5 to 17 years are being recruited for work outside the village? 1 = Yes 2 = No (End of questionnaire)	<input style="width: 100px; height: 20px;" type="text"/>
2 Who did the recruiting? 1 = Licensed recruiter or establishment 4 = Unknown 2 = Relatives (making arrangements) 5 = Other (Specify) 3 = Friends (making arrangements)	<input style="width: 100px; height: 20px;" type="text"/>
3 Do you know what type of work they are usually recruited for? 1 = Yes 2 = No (=>> 5)	<input style="width: 100px; height: 20px;" type="text"/>
4 For what type of work are they usually recruited? 1 = Factory 5 = Domestic work 2 = Construction 6 = Entertainment 3 = Mining 7 = Other (Specify) 4 = Crop/Livestock farming	<input style="width: 100px; height: 20px;" type="text"/>
5 Do you know where they are usually sent? 1 = Yes 2 = No (End of questionnaire)	
6 To which district and province or other country are they usually sent?	
a. District name: _____	Code: <input style="width: 100px; height: 20px;" type="text"/>
b. Province name: _____	Code: <input style="width: 100px; height: 20px;" type="text"/>
c. Other Country: _____	Code: <input style="width: 100px; height: 20px;" type="text"/>
<i>Note: District name and Province name, use for Cambodia only</i>	

Supplement 2

Diary Data**Remarks:**

This supplement 2 describes the outline of “Diary Data”, which was included in the previously provided data set, for reference. However this data is not included in the resampled data set.

S2.1 Diary data of expenditure

Two kind of data files were provided. One is aggregated data, and the other is micro data.

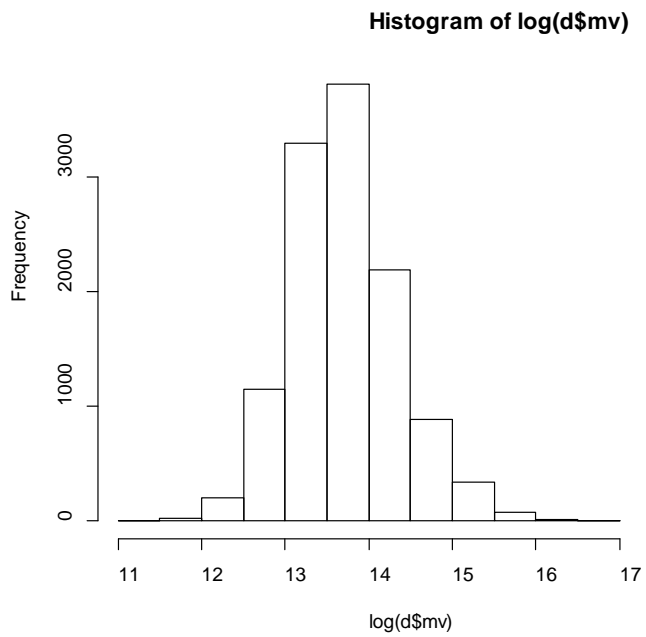
- According to NADA, the data file “Yearly.hhexpenditure” is an aggregated data from Diary sheet, as the next.

Data file	Yearly_hhexpenditure
Content	Data contained in this file are summaries by household computed from the 2009 CSES Diary Questionnaire: Expenditure (Derived variables)
Variables	
Name	Label
hhid	Household ID
value	Yearly household expenditure

□ Comparison with the result of recall data**● Histogram**

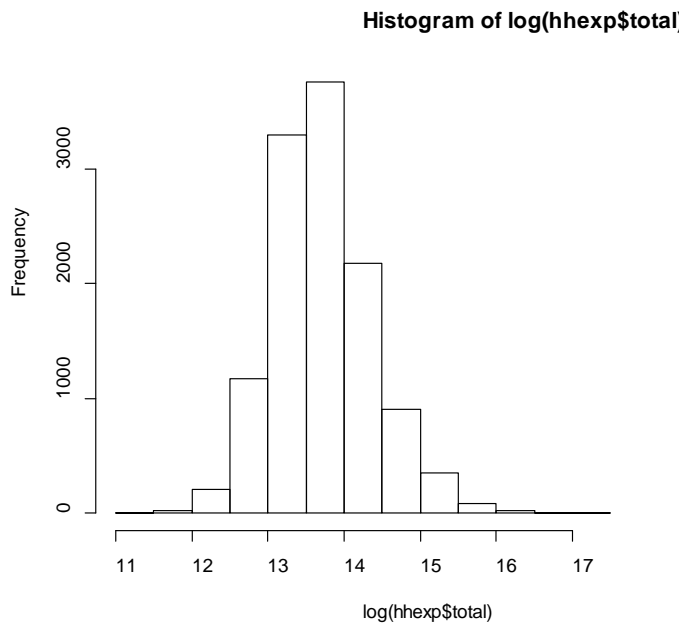
```
> d.con<-outfiles[[41]] # Diary data of expenditure
> d.con$mv<-d.con$value/12 # Converted to monthly
> hist(log(d.con$mv))
```

Fig. Distribution of expenditure data in Yearly.hhexpenditure



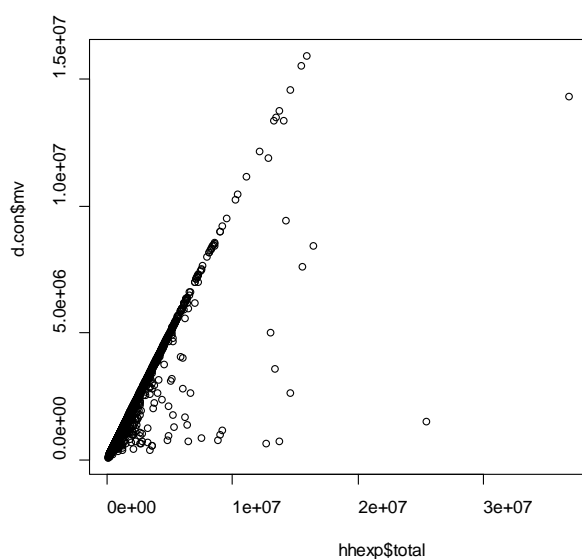
```
> hist(log(hhexp$total))    # Recall data
```

Fig. Distribution of recall data of expenditure



● Scatter plot

```
> plot(hhexp$total,d.con$mv)
```



- Gap

```
> gap<-d.con$mv/hhexp$total-1
```

```
> table(abs(gap)<0.02)
```

```
FALSE  TRUE
```

```
243 11728
```

- Summary:

As for monthly household expenditure, the gaps between diary data and recall data are less than 2% in 98% of sample households.

- Average monthly consumption per household

```
> d.con<-outfiles[[41]] # Diary data of expenditure
```

```
> d.con$mv<-d.con$value/12 # Converted to monthly
```

```
# outfiles[[38]]: weighthouseholds
```

```
> df<-merge(d.con,outfiles[[38]])
```

```
> weighted.mean(df$mv,df$hwh09a)/1000
```

```
[1] 1119.239
```

Item	Result from YearlyExpenditure	Result of recall data in the report
Monthly total consumption per household	1,119 (in thousand Riels)	1,119 (Table 9.6)

❑ Micro data of household expenditure in diary sheet

```
# Data file: DiaryExpenditure.sav
> library(foreign)
> DE<-read.spss("DiaryExpenditure.sav",to.data.frame=T,use.value.label=F)
> dim(DE)
[1] 2620999      11
> head(DE)
  pkid   HHID Lineid DiaryExp_Q2 DiaryExp_Q5 DiaryExp_Q6 DiaryExp_Q7
1    1 1201810   101         0101           3         0.5       2000
2    2 1201810   102         0101           5         0.2       1000
3    3 1201810   103         0101           3         0.7       7000
4    4 1201810   104         0101           3         0.3       2500
5    5 1201810   105         0101           3         0.3       3000
6    6 1201810   106         0101           5         2.0       6000
  DiaryExp_Q8 DiaryExp_Q9 DiaryExp_Q10 DiaryExp_Q11
1           1           2           1         6010
2           1           2           1         6010
3           1           2           1         1180
4           1           2           1         1354
5           1           2           1         1354
6           1           3           1         5060
> length(unique(DE$HHID))
[1] 11970
```

✓ **One hhid=0100309 is missing.**

```
> length(HHID)
[1] 11971
> table(is.element(DE$HHID,HHID))
TRUE
2620999
> setdiff(HHID,DE$HHID)
[1] "0100309"
> summary(DE)
      pkid      HHID      Lineid      DiaryExp_Q2
Min.   :      1 0307420:    619  Min.   : 101.0  1304   : 10845
```

1st Qu.: 659317 1200105: 610 1st Qu.: 413.0 1809 : 8331
 Median :1317754 1800407: 577 Median : 807.0 1909 : 8301
 Mean :1318229 0806215: 570 Mean : 828.5 0101 : 7827
 3rd Qu.:1977368 1900512: 554 3rd Qu.:1205.0 1709 : 7826
 Max. :2637002 1203101: 526 Max. :5014.0 1204 : 7775
 (Other):2617543 (Other):2570094

DiaryExp_Q5 DiaryExp_Q6 DiaryExp_Q7 DiaryExp_Q8
 Min. : 1.000 Min. : 0.0 Min. : 0 Min. :1.0
 1st Qu.: 3.000 1st Qu.: 0.4 1st Qu.: 600 1st Qu.:1.0
 Median : 3.000 Median : 1.0 Median : 1300 Median :1.0
 Mean : 4.391 Mean : 25.0 Mean : 7358 Mean :2.1
 3rd Qu.: 5.000 3rd Qu.: 2.0 3rd Qu.: 3000 3rd Qu.:5.0
 Max. :11.000 Max. :792000.0 Max. :604497800 Max. :5.0
 NA's :126231

DiaryExp_Q9 DiaryExp_Q10 DiaryExp_Q11
 Min. :1.000 Min. : 1.000 Min. :1010
 1st Qu.:1.000 1st Qu.: 1.000 1st Qu.:1186
 Median :2.000 Median : 1.000 Median :1356
 Mean :1.849 Mean : 1.194 Mean :2255
 3rd Qu.:2.000 3rd Qu.: 1.000 3rd Qu.:3300
 Max. :5.000 Max. :12.000 Max. :9998

- **Diary sheet was recorded every day for the whole month.**
- **Codebook of expenditure in diary sheet is as the next;**

Variable	Description	Remarks
pkid	Unique id in the data file	1 to 2637002
HHID	Household id	HHID=0100309 is missing.
Lineid	the page number plus the line number	101 to 5014
DiaryExp_Q2	DATE (DD/MM)	
DiaryExp_Q5	CODE OF UNIT	
DiaryExp_Q6	QUANTITY	
DiaryExp_Q7	VALUE IN RIELS	
DiaryExp_Q8	FORM OF ACQUISITION	1=Paid in cash 2=Paid in kind

		3=Purchased on credit 4=Gift received 5=Stock of own-produced
DiaryExp_Q9	ORIGIN	1 = Household production 2 = Produced in Cambodia 3 = Imported from abroad 4 = Don't know the origin 5 = No product
DiaryExp_Q10	PURPOSE	01 = Own household consumption 02 = For agricultural production 03 = For manufacturing production 04 = For mining production 05 = For services production 06 = For other household production 07 = Gifts & remittances to other households 08 = Offerings, donations, charities, etc. 09 = Interests 10 = Payback of loans 11 = Taxes 12 = Other (specify)
DiaryExp_Q11	ITEM CODE	4 digits

Remarks:

- 1) PURPOSE=02 to 06 should be excluded because they are not for household consumption.
- 2) PURPOSE=09 to 11 should be excluded because they are out of range of household consumption.

- Generated a subset of consumption data with purpose=01, 07 and 08.

```
> DC<-subset(DE,DiaryExp_Q10==1| DiaryExp_Q10==7| DiaryExp_Q10==8)
```

```
> dim(DC)
```

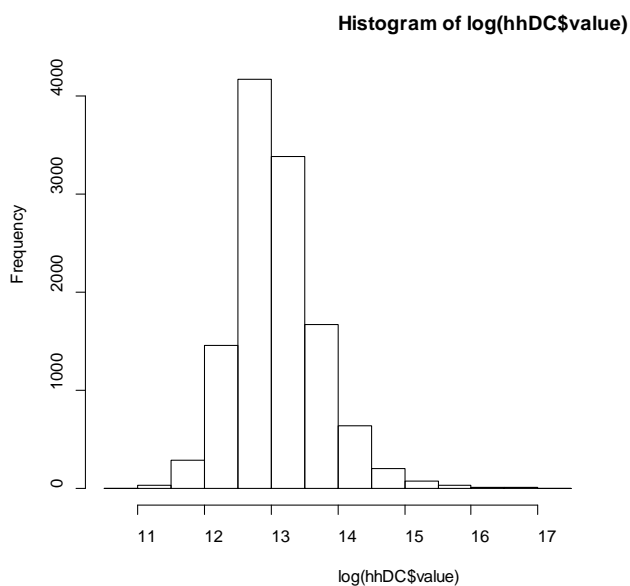
```
[1] 2482977      11
```

- Generated household-level consumption data.

```
> hhDC<-tapply(DC$DiaryExp_Q7,DC$HHID,sum)
> dim(hhDC)
[1] 11970
> head(hhDC)
0100101 0100102 0100103 0100104 0100105 0100106
 589900  707300  289500  355600 1313000 1015100
> hhDC<-data.frame(hhid=names(hhDC),value=hhDC,row.names=NULL)
> dim(hhDC)
[1] 11970      2
> head(hhDC)
      hhid  value
1 0100101 589900
2 0100102 707300
3 0100103 289500
4 0100104 355600
5 0100105 1313000
6 0100106 1015100
```

- **Histogram of the household expenditure generated from micro data of Diary sheet.**

```
> hist(log(hhDC$value))
```



```
> summary(hhDC$value)
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
55800	317500	444300	633600	683800	37120000

- Compared the histogram of household consumption aggregated from diary micro data and that of recall data. The level of the former is far below and the shapes of histogram differ.
- The document “New Rules for Expenditure Composition CSES – Yearly EXP” (ItemCodesCSES09.doc) written by Ms. Agneta Sandqvist, Statistics Sweden, suggests that when calculating Yearly Expenditure, almost all variables were calculated by using Recall data from the CSES household questionnaire.

It might be the reason why the results of recall data and diary data are quite similar.

Supplement 2 Diary Data

S2.2 Diary data of income

Two kind of data files were provided. One is aggregated data, and the other is micro data.

- According to NADA, the data file “Yearly.hhincome” is an aggregated data from Diary sheet, as the next.

Data file	Yearly_hhincome
Content	Data contained in this file are summaries by household computed from the 2009 CSES Diary Questionnaire: Income (Derived variables)
Variables	
Name	Label
hhid	Household ID
hhsiz	
44 values	Yearly household income by component (See below)

```
> d.inc<-outfiles[[42]] # Yearly.hhincome
> dim(d.inc)
[1] 11971    46
> colnames(d.inc)
[1] "hhid"          "hhsiz"
[3] "salary"        "costcrop"
[5] "costlivestock" "costfish"
[7] "costforestry"  "receiptcrop"
[9] "receiptlivestock" "receiptfish"
[11] "receiptforestry" "agriincome"
[13] "costnonagri"    "receiptnonagri"
[15] "nonagriincome"  "incomeownhouse"
[17] "bankinterest"   "interestotherloans"
[19] "dividends"      "rentfromland"
[21] "grosspropertyincome" "interestpaidagri"
[23] "interestpaidnonagri" "interestpaidownoccupied"
```


[25] "interestpaidnet"	"propertyincome"
[27] "primaryincome"	"pensiondomestic"
[29] "pensionabroad"	"pension"
[31] "ngotransfers"	"remittancedomestic"
[33] "remittanceabroad"	"totalprivatetransfers"
[35] "scholarshipgovernment"	"scholarshipngo"
[37] "totalscholarship"	"gifts"
[39] "othertransfer"	"totaltransfers"
[41] "totalincome"	"diarytaxes"
[43] "diaryinterhhtransfers"	"diarycashtransferchar"
[45] "diarytotalnegativetransfers"	"disposableincome"

- ✓ Variables in Yearly.income are the same as the table in the document "Income Composition CSES 2009", which describes the method of calculation.

```
> df<-merge(d.inc,outfiles[[38]],by="hhid") # Appended weight
> weighted.mean(df$disposableincome,df$hw09a)/12/1000
[1] 1036.645
```

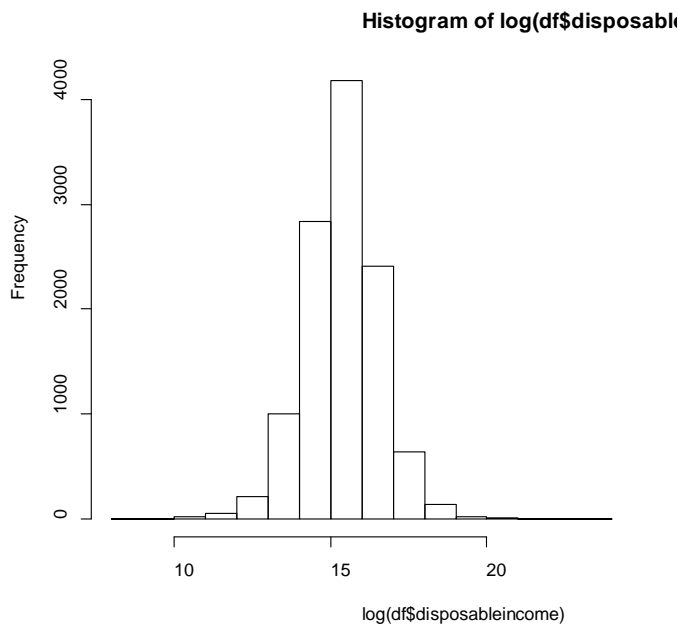
```
# Monthly income per household by items
> t<-sapply(df[,3:46],function(x) weighted.mean(x,df$hw09a)/12/1000)
> data.frame(Item=names(t),Value=round(t),row.names=NULL)
```

	Item	Value
1	salary	241
2	costcrop	54
3	costlivestock	34
4	costfish	9
5	costforestry	2
6	receiptcrop	334
7	receiptlivestock	45
8	receiptfish	30
9	receiptforestry	35
10	agri income	344

11	costnonagri	769
12	receiptnonagri	1108
13	nonagri income	340
14	incomeownhouse	92
15	bankinterest	0
16	interestotherloans	2
17	dividends	0
18	rentfromland	2
19	grosspropertyincome	4
20	interestpaidagri	0
21	interestpaidnonagri	0
22	interestpaidnonoccupied	0
23	interestpaidnet	1
24	propertyincome	3
25	primaryincome	1021
26	pensiondomestic	2
27	pensionabroad	0
28	pension	2
29	ngotransfers	1
30	remittancedomestic	7
31	remittanceabroad	7
32	totalprivatetransfers	14
33	scholarshipgovernment	0
34	scholarshipngo	0
35	totalscholarship	1
36	gifts	2
37	othertransfer	14
38	totaltransfers	34
39	totalincome	1054
40	diarytaxes	1
41	diaryinterhhtransfers	2
42	diarycashtransferchar	14
43	diarytotalnegativetransfers	17
44	disposableincome	1037

- Distribution of disposable income

```
> hist(log(df$disposableincome))
```



- 440 sample households have zero or negative disposable income.

```
> table(df$disposableincome<=0)
```

```
FALSE TRUE
```

```
11531 440
```

□ Micro data of household income in diary sheet

```
> library(foreign)
> DI<-read.spss("DiaryIncome.sav", to.data.frame=T, use.value.label=F)
> dim(DI)
[1] 878912    10
> head(DI)
  pkid   HHID Lineid DiaryInc_Q2 DiaryInc_Q5 DiaryInc_Q6 DiaryInc_Q7 DiaryInc_Q8
1    1 1201810   101      0101         10        NA      60000          1
2    2 1201810   102      0201         10        NA      60000          1
3    3 1201810   103      0301         10        NA      80000          1
4    4 1201810   104      0401         10        NA      50000          1
5    5 1201810   105      0501         10        NA      75000          1
6    6 1201810   106      0601         10        NA      30000          1
  DiaryInc_Q9 DiaryInc_Q10
1           6          0508
2           6          0508
3           6          0508
4           6          0508
5           6          0508
6           6          0508
> length(unique(DI$HHID))
[1] 11970
> setdiff(HHID, unique(DI$HHID))
[1] "0100309"

> summary(DI)
      pkid      HHID      Lineid      DiaryInc_Q2
Min.   :    1 0101310:   383 Min.   :  0.0 3006   : 3136
1st Qu.:221018 1703003:   309 1st Qu.: 307.0 3004   : 3055
Median :441717 0102817:   294 Median : 515.0 3108   : 3014
Mean   :441868 2102915:   276 Mean   : 602.1 2802   : 2966
3rd Qu.:662835 2103109:   268 3rd Qu.: 813.0 3110   : 2883
Max.   :883728 0305210:   247 Max.   :9904.0 3009   : 2882
      (Other):877135      (Other):860976
```

DiaryInc_Q5	DiaryInc_Q6	DiaryInc_Q7	DiaryInc_Q8
Min. : 0.000	Min. : 0.0	Min. : 0	Min. : 1.000
1st Qu.: 3.000	1st Qu.: 1.0	1st Qu.: 800	1st Qu.: 2.000
Median : 4.000	Median : 1.5	Median : 1500	Median : 2.000
Mean : 5.687	Mean : 14.3	Mean : 22967	Mean : 1.808
3rd Qu.: 8.000	3rd Qu.: 2.5	3rd Qu.: 4500	3rd Qu.: 2.000
Max. : 11.000	Max. : 180000.0	Max. : 307500000	Max. : 3.000
	NA's : 146599		
DiaryInc_Q9	DiaryInc_Q10		
Min. : 1.000	0202 : 361341		
1st Qu.: 2.000	0208 : 249398		
Median : 2.000	0508 : 73727		
Mean : 2.912	0302 : 65023		
3rd Qu.: 2.000	0101 : 33504		
Max. : 19.000	0701 : 25078		
	(Other): 70841		

Codebook of income in diary sheet

Variable	Description	Remarks
pkid	Unique id in the data file	1 to 883728
HHID	Household id	HHID=0100309 is missing.
Lineid		0 to 9904
DiaryInc_Q2	DATE (DD/MM)	
DiaryInc_Q5	CODE OF QUANTITY	
DiaryInc_Q6	QUANTITY	
DiaryInc_Q7	VALUE IN RIELS	
DiaryInc_Q8	TYPE OF INCOME	1 = In cash 2 = In kind 3 = Bartered
DiaryInc_Q9	KIND OF INCOME	01 = Wage or salary (in cash or kind) 02 = Agricultural or forestry production or sales 03 = Fishing or hunting production or sales 04 = From mining production 05 = Sales of manufactured products

		06 = Receipts from services rendered 07 = Received as gift 08 = Remittances received 09 = Pensions or other social assistances 10 = Study support in cash or kind (Scholarships, stipends or other) 11 = Dividends, interests, commissions, rents etc. 12 = Receipts from sale of possessions/own property 13 = Withdrawals from savings/loans obtained 14 = Payback of loans 15 = Windfall gains/inheritance 16 = Tax refunds 17 = Maturity payment on insurance policies 18 = Lump-sum compensation for injury, legal damages received 19 = Other (specify)
DiaryInc_Q10	ITEM CODE	4 digits

Number of records by kind of income

```
> table(DI$DiaryInc_Q9, useNA="ifany")
```

1	2	3	4	5	6	7	8	9	10	11
33996	629028	72426	13	4538	98392	25715	1541	120	22	532
12	13	14	15	16	19					
108	52	122	2	32	12273					

□ Method of calculating Yearly income

The manual “Income Composition CSES 2009” (IncomeGroupCSES09.doc) written by Ms. Agneta Sandqvist, Statistics Sweden, suggest that almost all variables are collected through recall method, but only taxes, inter household transfers, cash transfers and charities are calculated from Diary data on Expenditure.

CONFIDENTIAL

All information collected in this survey is strictly confidential and will be used for statistical purposes only

Royal Government of Cambodia
Ministry of Planning
National Institute of Statistics

PSU					HH SERIAL No	

HOUSEHOLD SOCIO-ECONOMIC SURVEY 2009

DAIRY SHEETS OF HOUSEHOLD EXPENDITURES & CONSUMPTION OF OWN-PRODUCED FOOD AND HOUSEHOLD INCOME & RECEIPTS - Form 4

A. To be completed by Supervisors before interview										B. To be completed by Interviewer																			
Province /City												Name of household Head																	
District /Khan												Address (House No., Street...) of other identification																	
Commune/Sangkat																													
Sample Village/Mondol																													
Zone												First visit date		Day:			Month:			Year:									
Sector (Urban=1, Rural=2)												Last visit date		Day:			Month:			Year:									
Serial Number of Sample Village												DIARY SHEET MUST BE RECORDED EVERY DAY FOR THE WHOLE MONTH																	
Sample Reference Number of Household												Interviewer's Name:										Id:							
												Interviewer's signature:																	
												Team Number:								No. Of the month (from 01 to 15):									

C. To be completed by Supervisors after checking completed questionnaire thoroughly										D: To be completed after Re-interview (when required)																								
Supervisor's Name:															Id:			Name of Re-interviewer:										Id:						
Date checked by Supervisor (Week 1)										Day:			Month:			Year:			Date of Re-interview					Day:			Month:			Year:				
Date checked by Supervisor (Week 2)										Day:			Month:			Year:			Interviewer's signature:															
Date checked by Supervisor (Week 3)										Day:			Month:			Year:																		
Date checked by Supervisor (Week 4)										Day:			Month:			Year:																		
Supervisor's Signature:																				Remarks of Re-interviewer:														

PAGE N° 01		Expenditures and consumption of own-produced								
LINE NUMBER	FOR THE HOUSEHOLD			FOR NIS	FOR THE HOUSEHOLD			FOR ENUMERATORS		FOR NIS
	DATE (DD/MM)	ITEM DESCRIPTION	UNIT OF QUANTITY	CODE OF UNIT	QUANTITY	VALUE IN RIELS	FORM OF ACQUISITION 1=Paid in cash 2=Paid in kind 3=Purchased on credit 4=Gift received 5=Stock of own-produced	ORIGIN 1 = Household production 2 = Produced in Cambodia 3 = Imported from abroad 4 = Don't know the origin 5 = No product	PURPOSE	ITEM CODE
									01 = Own household consumption 02 = For agricultural production 03 = For manufacturing production 04 = For mining production 05 = For services production 06 = For other household production 07 = Gifts & remittances to other households 08 = Offerings, donations, charities, etc. 09 = Interests 10 = Payback of loans 11 = Taxes 12 = Other (specify)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
01										
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
90	Manual for Cambodia CSES 2009 (Version 2.0) TOTAL:									

PAGE N° 01		Household Income and Receipts							
LINE NUMBER	FOR THE HOUSEHOLD			FOR NIS	FOR THE HOUSEHOLD		FOR ENUMERATORS	FOR NIS	
	DATE (DD/MM)	ITEM DESCRIPTION	UNIT OF QUAN-TITY	CODE OF QUAN- TITY	QUAN-TITY	VALUE IN RIELS	TYPE OF INCOME 1 = In cash 2 = In kind 3 = Bartered	KIND OF INCOME	
								ITEM CODE	
									01 = Wage or salary (in cash or kind) 02 = Agricultural or forestry production or sales 03 = Fishing or hunting production or sales 04 = From mining production 05 = Sales of manufactured products 06 = Receipts from services rendered 07 = Received as gift 08 = Remittances received 09 = Pensions or other social assistances 10 = Study support in cash or kind (Scholarships, stipends or other) 11 = Dividends, interests, commissions, rents etc. 12 = Receipts from sale of possessions/own property 13 = Withdrawals from savings/loans obtained 14 = Payback of loans 15 = Windfall gains/inheritance 16 = Tax refunds 17 = Maturity payment on insurance policies 18 = Lump-sum compensation for injury, legal damages received 19 = Other (specify)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
01									
02									
03									
04									
04									
06									
07									
08									
09									
10									
11									
12									
13									
14									
15									
90	Manual for Cambodia CSES 2009 (Version 2.0) TOTAL:								

CONFIDENTIAL
All information collected in this survey
is strictly confidential and will be used
for statistical purposes only

Royal Government of Cambodia
Ministry of Planning
National Institute of Statistics

Household ID						
hhid						

CAMBODIA SOCIO-ECONOMIC SURVEY 2009
HOUSEHOLD QUESTIONNAIRE

A. To be completed by interviewer before interview									
Province /City						Province			
District /Khan									
Commune/Sangkat									
Sample Village/Mondol									
Zone									
Sector (Urban=1, Rural=2)						UrbanRural			
Sample reference number of household						PSU?			

B. To be completed by interviewer									
Name of household head							Phone:		
Address (house No., street....) of other identification)									
Date of first visit to Household				Day:		Month:		Year:	
Date of last visit				Day:		Month:		Year:	
Team Number						Interviewer's Id:			
Interviewer's name:							Interviewer's signature:		
Interviewer's phone no:									
Month and Year of Survey				Month		Year:			

To be completed after filling-out the list of household members				Male:		Female:		Total members:		
---	--	--	--	-------	--	---------	--	----------------	--	--

C. To be completed by supervisor after checking completed questionnaire thoroughly									
Supervisor's name:							Id:		
Date checked by supervisor				Day		Month		Year	
Date checked week 1									
Date checked week 2									
Date checked week 3									
Date checked week 4									
Supervisor's signature:							Supervisor's phone no:		

Reception				Preparation				Data Entry			
Id:		Date:		Id:		Date:		Id:		Date:	

01. INITIAL VISIT

Respondent: head of household, spouse of the head of household, or another adult household member

INITIAL VISIT

A. LIST OF HOUSEHOLD MEMBERS

The questions should be asked of the head of household, spouse of the head of household or other adult household member if both head and spouse are absent.

Please provide the following information on all members usually residing in this household.

ID NUMBER Q01AC01	Please give me the names of all household members, starting with head of the household. A person is counted as a household member if he/she lives here or has been absent for less than 12 months.	Sex 1 = Male 2 = Female	What is..[NAME]..'s date of birth? Write ' - ' if don't know, for day or month or year			What is.. [NAME] ...'s age in completed years? Write '0' if less than one year of age, and " - " if don't know	Relationship to the head 01 = Head 02 = Spouse 03 = Son/Daughter 04 = Stepchild 05 = Adopted child/ Foster child 06 = Parent 07 = Sibling 08 = Grand child 09 = Nephew/Niece 10 = Son/Daughter-in-law 11 = Brother/Sister-in-law 12 = Parent-in-law 13 = Other relatives 14 = Servant 15 = Other non-relative including boarder	Does the father of ..[NAME].. live in the household? If YES, write the ID CODE, if NO write " - "
			DAY	MONTH	YEAR	YEARS		
(1)	(2)	(3)	(4a)	(4b)	(4c)	(5)	(6)	(7)
01		Q01AC03	Q01AC04A	Q01AC04B	Q01AC04C	Q01AC05	Q01AC06	Q01AC07
02								
03								
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								

Respondent: head of household, spouse of the head of household or another adult household member

INITIAL VISIT

01. A. LIST OF HOUSEHOLD MEMBERS (CONTINUED)

Q01AC01 ID NUMBER	Does the mother of ..[NAME].. live in the household? If YES, write the ID CODE, if NO write " - "	Only for members aged 13 and above:		Is ..[NAME].. khmer or other ethnic group? 1 = Khmer (>> 12) 2 = Cham 3 = Other local ethnic group 4 = Chinese 5 = Vietnamese 6 = Thai 7 = Lao 8 = Other (Specify)	Does ..[NAME].. speak Khmer? 1=Yes 2=No	Can ..[NAME].. speak other languages than Khmer? 0=No 1= French 2= English 3= Chinese 4= Vietnamese 5= Thai 6= Lao 7= Chaam 8= Other local language 9= Other (Specify)			Has ..[NAME].. been present all days last week? 1=Yes >> NEXT PERSON 2=No	How many weeks has ..[NAME].. been absent from home during the past 12 months? WRITE '0' IF LESS THAN ONE WEEK >> NEXT PERSON
		What is ..[NAME].. 's marital status? 1 = Married/Living together 2 = Divorced/Separated (>> 11) 3 = Widowed (>> 11) 4 = Never married/Never lived with a partner (>> 11)	Does the spouse of ..[NAME].. live in this household? If YES, write the ID CODE, if NO write " - "			1	2	3		
(1)	(8)	(9)	(10)	(11a)	(11b)	(12a)	(12b)	(12c)	(13)	(14)
Q01AC01	Q01AC08	Q01AC09	Q01AC10	Q01AC11A	Q01AC11B	Q01AC12A	Q01AC12B	Q01AC12C	Q01AC13	Q01AC14
01										
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										

01. B. FOOD, BEVERAGES AND TOBACCO CONSUMPTION DURING THE LAST 7 DAYS

Respondent: The household member who knows most about food, beverage, tobacco consumption in the last 7 days

INITIAL VISIT

Q1 Did your household run any business, e.g. agriculture production (farming), producing goods, service etc. during the last 7 days?

1 = Yes

2 = No

Q01BQ1

Note that any household's expenditure on business purposes will not be included in this section, because it will be asked in the economic activities

Q01BC01 ITEM #	For each item group try to estimate quantity of items consumed and then how much of the consumed quantity had been purchased in cash and how much was from own production or received as payment in kind for work, or as gift, or free collection.	Value of consumption in Riels Write '0' if nothing		
		Purchased in cash	Own production, wages in kind, gifts, free collections (imputed value)	Total consumption (Col 3 + Col 4)
		RIELS	RIELS	RIELS
	FOOD/BEVERAGE/TOBACCO ITEMS			
	(2)	(3)	(4)	(5)
01	Cereals (rice, bread, corn, wheat flour, rice flour, corn meal, rice cakes, noodles, biscuits, etc.)	Q01BC03	Q01BC04	Q01BC05
02	Fish (fresh fish, salted and dried fish, canned fish, shrimp, prawn, crab, etc.)			
03	Meat & poultry (beef, buffalo, mutton, lamb, pork, chicken, duck, innards, incl liver, spleen, dried beef)			
04	Eggs (chicken egg, duck egg, quail egg, fermented/salted egg, etc.)			
05	Dairy products (fresh milk, condensed or powdered milk, ice cream, cheese, other dairy products, etc.)			
06	Oil and fats (rice bran oil, vegetable oil, pork fat, butter, margarine, coconut/frying oil, etc.)			
07	Fresh vegetables (trakun, onion, shallot, cabbage, spinach, carrot, beans, chilli, tomato, etc.)			
08	Tuber (cassava, sweet potato, potato, traov, sugar beet, etc.)			
09	Pulses and legumes (green gram, dhall, cowpea, bean sprout, other seeds, etc.)			
10	Prepared and preserved vegetables (cucumber pickles, other pickles, tomato paste, etc.)			
11	Fruit (banana, orange, mango, pineapple, lemon, papaya, durian, water melon, grape, apple, canned and dried fruits, etc.)			
12	Dried nuts and edible seeds (coconut, cashew nut, lotus nut, peanut, gourd seed, other nuts)			
13	Sugar, salt and spices (sugar, jaggery, salt, chocolate, candy, coriander, red pepper spice, garlic, ginger, soy sauce, fish sauce, monosodium glutamate, etc.)			
14	Tea, coffee, cocoa			
15	Non-alcoholic beverages (canned or bottled soft drinks, mineral water, fruit juice, fruit syrup, etc.)			
16	Alcoholic beverages (beer, wine, whisky, scotch, other distilled spirits)			
17	Tobacco products (cigarettes, mild tobacco, strong tobacco, etc.)			
18	Other food products (fried insects, peanut preparation, flavoured ice, ice, other food products)			
19	Food taken away from home (meals at work, school, restaurants, snacks, coffee, softdrinks purchased outside home)			
20	Prepared meals bought outside and eaten at home			

01. C. RECALL NON-FOOD EXPENDITURES

Respondent: The household member who knows most about the non-food expenditure in the household

INITIAL VISIT

Only expenditure for household consumption

Q01CC01	What was your household's expenditure on the following items during the indicated time periods?	Time period	Value (in Riels) Write '0' if nothing		
	NON-FOOD ITEMS		In-cash expenditure	In-kind expenditure or gifts given away	Total expenditure (Col 4 + Col 5)
(1)	(2)	(3)	(4)	(5)	(6)
01	Medical care (doctors' fees, other medical services, drugs, hospital charges, other medical supplies, etc.)	Last 1 month	Q01CC04	Q01CC05	Q01CC06
02	Transportation (personal transport equipment, operation of transport equipment, maintenance and repair of equipment, gasoline and diesel for own transportation, fees for public transport, moving fee, driving lessons, etc.)	Last 1 month			
03	Communication (postage stamps, fax, telephone and internet phone charges, cell phones, phone cards, internet charges etc.)	Last 1 month			
04	Personal care (soap, toothpaste, razor, sanitary napkins, haircut, manicure, etc.)	Last 1 month			
05	Clothing and footwear (tailored clothes, ready-made clothes, rain clothes, underwear, baby clothes, diapers, hats, shoes, boots, etc.)	Last 6 months			
06	Furniture, furnishings and household equipment and operation (curtain, household appliances, cooking utensils, light bulbs, soap and detergents etc.)	Last 12 months			
07	Domestic salaries (servant's salary, hired labour for cleaning, laundry, cooking etc.)	Last 12 months			
08	Recreation within Cambodia (entertainment services, recreational goods and supplies, tourist travel, hotel accommodation)	Last 12 months			
09	Recreation abroad (entertainment services, recreational goods and supplies, tourist travel, hotel accommodation)	Last 12 months			
10	Education (school fees, textbooks, private tutoring charges, etc.)	Last 12 months			
11	Personal effects (costume/gold jewellery, handbags, wallets, wristwatch, clocks, umbrella)	Last 12 months			
12	Gambling (lottery, sports and animal betting: casino gambling, card games, football, boxing, cockfighting etc.)	Last 12 months			
13	Miscellaneous items (special occasions as funeral rituals, weddings, parties, , cash gifts, charity, etc.)	Last 12 months			
14	Total 1- 13:				

01. D. VULNERABILITY

Respondent: Head of household, spouse of the head of household or another adult household member

INITIAL VISIT

<p>Q1 Did your family use iodized salt, yesterday? Ask the respondent for a teaspoon full of cooking salt and test for iodine.</p>	<p>1 = Iodine present 2 = No iodine 3 = No salt in the household 4 = Salt not tested</p>	<p><input type="text"/> Q01DQ1</p>																								
<p>Q2 In the last 12 months, has this household had enough food all days or were there days and weeks with very little or no food so that the household had to starve ("was hungry")?</p>	<p>1 = Enough food all the last 12 months (>> NEXT SECTION) 2 = Not enough food</p>	<p><input type="text"/> Q01DQ2</p>																								
<p>Q3 How many of the last 52 weeks did the household have so little food that it was starving ("was hungry")?</p>	<p>Number of WEEKS:</p>	<p><input type="text"/> Q01DQ3</p>																								
<p>Write '0' if less than 1 week</p>																										
<p>Q4 Which months of the last 12 months did the household starve ("was hungry")? (1 = January, 2 = February, 3 = March...)</p>	<p>Q01DQ4_X x=</p>	<p>Month</p> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td> </tr> <tr> <td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td> </tr> </table> <p>Code "1" if starving and "0" otherwise</p>	1	2	3	4	5	6	7	8	9	10	11	12	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1	2	3	4	5	6	7	8	9	10	11	12															
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>															

END OF INITIAL VISIT

02. EDUCATION AND LITERACY

WEEK 1

Respondent: Head of household, spouse of head of household, or another adult household member

Please provide information on all members aged 3 years and older who usually reside in this household.

ID NUMBER Q02C01	Can ..[NAME]... read a simple message in any language?	Can ..[NAME]... write a simple message in any language?	Has ..[NAME]... ever attended school?	How many years has ...[NAME]... attended school?	What is the highest level ..[NAME].. has successfully completed?	Is ..[NAME].. currently in the school system?	What's ..[NAME]'s.. current grade?	Is the school public or private?
	1 = Yes 2 = No	1 = Yes 2 = No	1 = Yes 2 = No (>11)	Enter completed number of years	98 = Don't know 88 = No class completed 00 = Pre-school/Kindergarten 01 = Class one completed 02 = Class two completed..., 11 = Class eleven completed 12 = Class twelve completed 13 = Lower Secondary school certificate 14 = Upper secondary school certificate 15 = Technical/vocational pre-secondary diploma/certificate 16 = Technical/vocational post-secondary diploma/certificate 17 = College/university undergraduate 18 = Bachelor degree (B.A., BSc, etc.) 19 = Masters degree (M.A., MSc, etc) 20 = Doctorate degree (PhD) 21 = Other (Specify)	1 = Yes 2 = No (>11) If the child is on holidays, he/she is considered in the school system	00 = Pre-school/ Kindergarten 01 = Class one 02 = Class two..., 11 = Class eleven 12 = Class twelve 13 = Technical/vocational pre-secondary diploma/ certificate 14 = Technical/vocational post-secondary diploma/certificate 15 = College/university undergraduate studies 16 = Postgraduate studies	1 = Public 2 = Private
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
01	Q02C02	Q02C03	Q02C04	Q02C05	Q02C06	Q02C07	Q02C08	Q02C09
02								
03								
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								

02. EDUCATION AND LITERACY (CONTINUED)

WEEK 1

Respondent: Head of household, spouse of head of household, or another adult household member

Please provide information on all members aged 3 years and older who usually reside in this household.

Q02C01 ID NUMBER	Is ..[NAME].. currently taking private lessons after school? (languages, math, science, music, sports)? 1=Yes 2=No <div style="border: 1px solid black; padding: 2px; display: inline-block;">>>12</div>	If Col. 4 = 2 or Col.7 = 2 and below 18 years of age Why is ..[NAME].. not attending (has never attended) school? 01 = Don't want to 02 = Did not do well in school 03 = No suitable school available/ school is too far 04 = No teacher/Supplies 05 = High cost of schooling 06 = Must contribute to household income 07 = Must help with household chores 08 = Too poor 09 = Due to disability 10 = Due to long term illness (over 3 months) 11 = Too young 12 = Other (specify)	Has ..[NAME].. ever attended non-formal class? 1 = Yes 2 = No (> 15)	Is ..[NAME].. currently attending non-formal classes? 1 = Yes 2 = No (> 15)	What kind of non-formal class is ..[NAME].. currently attending? 1 = Literacy programmes (6 months) 2 = Vocational training (Tailoring, motor repairing, Khmer classical music training, hairdressing, pottery...etc. 3 = Post literacy programmes (Agricultural training includes such as planting vegetable, mushrooms, raising fish, animal.. 4 = Foreign Languages 5 = Computer literacy 6 = Others (Specify)	Did ..[NAME].. attend school past schoolyear (including non-formal class)? 1 = Yes (> 16a) 2 = No >> NEXT PERSON)
(1)	(10)	(11)	(12)	(13)	(14)	(15)
01	Q02C10	Q02C11	Q02C12	Q02C13	Q02C14	Q02C15
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						

02. EDUCATION AND LITERACY (CONTINUED)

WEEK 1

Respondent: Head of household, spouse of head of household, or another adult household member

Please provide information on all members aged 3 years and older who usually reside in this household.

ID NUMBER Q02C01	If code 1 in col. 15, please fill up columns 16a-16h, otherwise, leave it blank and continue with next person. What were the educational expenses for ..[NAME]..during the past school year including the expense on non-formal education and private lesson? Write 0 if no expenses							
	A. School fees	B. Tuition	C. Text books	D. Other school supplies	E. Allowances for children studying away from home	F. Transport cost	G. Gifts to teachers, schoolbuilding fund etc.	H. TOTAL (Col 16a - 16g)
	RIELS (16a)	RIELS (16b)	RIELS (16c)	RIELS (16d)	RIELS (16e)	RIELS (16f)	RIELS (16g)	RIELS (16h)
01	Q02C16a	Q02C16b	Q02C16c	Q02C16d	Q02C16e	Q02C16f	Q02C16g	Q02C16h
02								
03								
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								

03. INFORMATION ON MIGRATION

Respondents: Household members 5 and older

WEEK 1

A. PAST MIGRATION

Please provide information on migration for all members of the household. (Don't ask children less than 5 years)

ID NUMBER Q03AC01	Has ..[NAME].. always, since birth, lived in this village? 1 = Yes (>> Col 7) 2 = No	How many years has..[NAME].. lived in this village? If less than 1 enter '0'	Which province did [NAME] move from?			Why did ..[NAME].. move to this village (the main reason)? 01 = Transfer of work place 02 = In search of employment 03 = Education 04 = Marriage 05 = Family moved 06 = Lost land/lost home 07 = National calamities 08 = Insecurity 09 = Repatriation or return after displacement 10 = Orphaned 11 = Visiting only 12 = Other (Specify)	In which province were ..[NAME].. born?		
			If moved from abroad, please write the name of the country If moved within the same province write "Same".				If born abroad, please write the name of the country		
			PROVINCE / COUNTRY NAME	PROVINCE CODE	COUNTRY CODE		PROVINCE / COUNTRY NAME	PROVINCE CODE	COUNTRY CODE
(1)	(2)	(3)	(4a)	(4b)	(4c)	(5)	(6a)	(6b)	(6c)
01	Q03AC02	Q03AC03		Q03AC04B	Q03AC04C	Q03AC05		Q03AC06B	Q03AC06C
02									
03									
04									
05									
06									
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08									
09									
10									
11									
12									
13									
14									
15									

03. INFORMATION ON MIGRATION (CONTINUED)

Respondents: Household members 5 and older

WEEK 1

A. PAST MIGRATION (CONTINUED)

Q03AC01 ID NUMBER	In the past 5 years, has ..[NAME].. migrated to another country for at least 1 month (at the same time) for work? 1 = Yes 2 = No (>> NEXT PERSON)	How many times in the past 5 years has ..[NAME].. migrated to another country? Refer to Col. 7 If 'Don't know' enter '98'	In which year and month was ..[NAME].. 's most recent migration to another country?		How many months did ..[NAME].. stay in the country in this last migration episode? If still abroad enter '99'	Where did ..[NAME].. migrate in this last migration episode? 01 = Bangkok 02 = Other town/city in Thailand 03 = Rural area in Thailand 04 = Seoul 05 = Other places in South Korea 06 = Kuala Lumpur 07 = Other places in Malaysia 08 = Taiwan 09 = Vietnam 10 = Other (specify) 11 = Don't Know	What was ..[NAME].. 's main occupation while in ..[COUNTRY]..? For 'COUNTRY' see Col 11 If no work leave blank Note: beggar and sex worker are occupations		Why did ..[NAME].. return? 1 = Job ended 2 = Family reasons 3 = To get married 4 = Better employment at home 5 = Homesick 6 = Visa expired 7 = Was expelled 8 = Mistreatment or other dissatisfaction 9 = Other (specify)
			NO OF TIMES	YEAR MONTHS			NO OF MONTHS	OCCUPATION DISCRIPTION	
(1)	(7)	(8)	(9a)	(9b)	(10)	(11)	(12a)	(12b)	(13)
01	Q03AC07	Q03AC08	Q03AC09A	Q03AC09b	Q03AC10	Q03AC11		Q03AC12	Q03AC13
02									
03									
04									
05									
06									
07									
08									
09									
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11									
12									
13									
14									
15									

03. INFORMATION ON MIGRATION (CONTINUED)

WEEK 1

B. CURRENT MIGRANTS

Respondent: Head of household, spouse of head of household or another adult if both head and spouse are absent

Q1. In addition to the persons living in your household are there any other persons (spouse or son/daughter), 15 years and older,
who previously has been a member of your household but no longer are living in this household?

1 = Yes 2 = No (>>SECTION 4)

Q03BQ1

☐

Q03BC01 ID NUMBER	Please give me the names of spouse, if he or she is no longer living in the household and all the children (son/daughter) 15 years and over who are no longer living in this household (include all children of head and/or spouse)	Sex 1 = Male 2 = Female	What is.. [NAME] ...'s age in completed years?	Where is ..[NAME].. currently living? If in Cambodia, write the province. If abroad, write the country If moved within the same province write "Same".			What year did ..[NAME].. move to [CURRENT LOCATION]..?
	NAME			YEARS	PROVINCE / COUNTRY NAME	PROVINCE CODE	
(1)	(2)	(3)	(4)	(5a)	(5b)	(5c)	(6)
31		Q03BC03	Q03BC04		Q03BC05B	Q03BC05C	Q03BC06
32							
33							
33							
35							
36							
37							
38							
39							
40							

03. INFORMATION ON MIGRATION (CONTINUED)

WEEK 1

B. CURRENT MIGRANTS (CONTINUED)

Respondent: Head of household, spouse of head of household or another adult if both head and spouse are absent

ID NUMBER	Why did ..[NAME].. move to ..[CURRENT LOCATION].. 1 = To take a job 2 = To look for a job 3 = To go to live with a spouse 4 = To study 5 = To go to live with a relative 6 = Other (specify)	What was ..[NAME]..'s main occupation at the time of (before) moving to .. [CURRENT LOCATION].? Enter '0' in Col 8a if unemployed If no work leave blank Note: beggar and sex worker are occupations		What is the highest level ..[NAME].. has successfully completed? 98 = Don't know 88 = No class completed 00 = Pre-school/Kindergarten 01 = Class one completed 02 = Class two completed..., 11 = Class eleven completed 12 = Class twelve completed 13 = Lower Secondary school certificate 14 = Upper secondary school certificate 15 = Technical/vocational pre-secondary diploma/certificate 16 = Technical/vocational post-secondary diploma/certificate 17 = College/university undergraduate 18 = Bachelor degree (B.A., BSc, etc.) 19 = Masters degree (M.A., MSc, etc) 20 = Doctorate degree (PhD) 21 = Other (Specify)
		OCCUPATION DISCRIPTION	NIS OCC. CODE	
(1)	(7)	(8a)	(8b)	(9)
31	Q03BC07		Q03BC08	Q03BC09
32				
33				
33				
35				
36				
37				
38				
39				
40				

03. INFORMATION ON MIGRATION (CONTINUED)

WEEK 1

B. CURRENT MIGRANTS (CONTINUED)

Respondent: Head of household, spouse of head of household or another adult if both head and spouse are absent

ID NUMBER	What is ..[NAME]..s main occupation now?		Have any members of this household received transfers or gifts in cash from ..[NAME].. the last 12 months?	What is the total value of the transfers and cash gifts that ..[NAME].. has sent to the household the last 12 months?	Through what means/channels do you / does your household receive the money? 1 = Western Union 2 = Bank transfer 3 = From the person or by other person 4 = Other (specify) Enter the two main means	
	OCCUPATION DISCRIPTION	NIS OCC. CODE				
(1)	(10a)	(10b)	(11)	(12)	(13a)	(13b)
31		Q03BC10	Q03BC11	Q03BC12	Q03BC13A	Q03BC13B
32						
33						
33						
35						
36						
37						
38						
39						
40						

04. HOUSING

Respondent: Head of household, spouse of the head of household, or another adult household member

WEEK 1

The following questions should be asked of the head of household, spouse of the head of household, or of another adult household member, if both head and spouse are absent.

Q1	How many households reside in the same housing unit as your household?	NUMBER OF HOUSEHOLDS:	Q04_01	<input type="text"/>														
Q2	What is the floor area of the housing/dwelling unit occupied by your household?	NUMBER OF SQUARE METERS:	Q04_02	<input type="text"/>														
Q3	How many rooms in the dwelling unit are used by the household (other than kitchen, toilet and bathrooms)?	NUMBER OF ROOMS:	Q04_03	<input type="text"/>														
Q4	What is the primary construction material of the wall of the housing/dwelling unit occupied by your household?		Q04_04	<input type="text"/>														
	<p><u>WALL CODES</u></p> <table border="0"> <tr> <td>1 = Bamboo, Thatch/leaves, Grass</td> <td>4 = Concrete, brick, stone</td> <td>7 = Makeshift, mixed materials</td> </tr> <tr> <td>2 = Wood or logs</td> <td>5 = Galvanized iron or aluminium or other metal sheets</td> <td>8 = Clay/dung with straw</td> </tr> <tr> <td>3 = Plywood</td> <td>6 = Fibrous cement/Asbestos</td> <td>9 = Other, specify</td> </tr> </table>				1 = Bamboo, Thatch/leaves, Grass	4 = Concrete, brick, stone	7 = Makeshift, mixed materials	2 = Wood or logs	5 = Galvanized iron or aluminium or other metal sheets	8 = Clay/dung with straw	3 = Plywood	6 = Fibrous cement/Asbestos	9 = Other, specify					
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Q5	What are the primary construction material of the roof of the housing / dwelling unit occupied by your household?		Q04_05	<input type="text"/>														
	<p><u>ROOF CODES</u></p> <table border="0"> <tr> <td>1 = Thatch/leaves/grass</td> <td>5 = Salvaged materials</td> <td>8 = Concrete</td> </tr> <tr> <td>2 = Tiles</td> <td>6 = Mixed but predominantly made of galvanized iron/aluminium, tiles or fibrous cement</td> <td>9 = Plastic sheet</td> </tr> <tr> <td>3 = Fibrous cement</td> <td>7 = Mixed but predominantly made of thatch/leave /grass or salvaged materials</td> <td>10 = Other (Specify)</td> </tr> <tr> <td>4 = Galvanized iron or aluminium</td> <td></td> <td></td> </tr> </table>				1 = Thatch/leaves/grass	5 = Salvaged materials	8 = Concrete	2 = Tiles	6 = Mixed but predominantly made of galvanized iron/aluminium, tiles or fibrous cement	9 = Plastic sheet	3 = Fibrous cement	7 = Mixed but predominantly made of thatch/leave /grass or salvaged materials	10 = Other (Specify)	4 = Galvanized iron or aluminium				
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Q6	What are the primary construction material of the floor of the housing / dwelling unit occupied by your household?		Q04_06	<input type="text"/>														
	<p><u>FLOOR CODES</u></p> <table border="0"> <tr> <td>1 = Earth, clay</td> <td>4 = Cement/Brick/Stone</td> <td>7 = Vinyl</td> </tr> <tr> <td>2 = Wooden planks</td> <td>5 = Parquet, polished wood</td> <td>8 = Ceramic tiles</td> </tr> <tr> <td>3 = Bamboo strips</td> <td>6 = Polished stone, marble</td> <td>9 = Other (Specify)</td> </tr> </table>				1 = Earth, clay	4 = Cement/Brick/Stone	7 = Vinyl	2 = Wooden planks	5 = Parquet, polished wood	8 = Ceramic tiles	3 = Bamboo strips	6 = Polished stone, marble	9 = Other (Specify)					
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Q7	What is your household's main source of lighting?		Q04_07	<input type="text"/>														
	<p><u>LIGHTING SOURCE CODES</u></p> <table border="0"> <tr> <td>1 = Publicly-provided electricity/City power</td> <td>3 = Battery</td> <td>5 = Candle</td> <td>7 = Other (specify)</td> </tr> <tr> <td>2 = Generator</td> <td>4 = Kerosene lamp</td> <td>6 = None</td> <td></td> </tr> </table>				1 = Publicly-provided electricity/City power	3 = Battery	5 = Candle	7 = Other (specify)	2 = Generator	4 = Kerosene lamp	6 = None							
1 = Publicly-provided electricity/City power	3 = Battery	5 = Candle	7 = Other (specify)															
2 = Generator	4 = Kerosene lamp	6 = None																
Q8	What is your household's main source of drinking water in wet season?		Q04_08	<input type="text"/>														
	<p><u>DRINKING WATER SOURCE CODES IN WET SEASON</u></p> <table border="0"> <tr> <td>01 = Piped in dwelling or on premises (>> Q12)</td> <td>08 = Improved rainwater collection (catchment tank needs to have all the following: completely closed, tap to withdraw water and at least 3000 litres capacity (>> Q12))</td> </tr> <tr> <td>02 = Public tap</td> <td>09 = Unimproved rainwater collection (>> Q12)</td> </tr> <tr> <td>03 = Tubed/piped well or borehole</td> <td>10 = Water bought from tanker truck or vendor (Vendor brought water home, write "0" in distance and >> Q12)</td> </tr> <tr> <td>04 = Protected dug well (including all of the following: lining, headwall, platform, cover)</td> <td>11 = Water bought from tanker truck or vendor (Any household member goes to collect, write distance in Q9 then ask Q10 and Q11.)</td> </tr> <tr> <td>05 = Unprotected dug well</td> <td>12 = Bottled water</td> </tr> <tr> <td>06 = Pond, river or stream (fetch water from pond, river, stream)</td> <td>13 = Other (Specify)</td> </tr> <tr> <td>07 = Pond, river or stream (pump to the house) (>> Q12)</td> <td></td> </tr> </table>				01 = Piped in dwelling or on premises (>> Q12)	08 = Improved rainwater collection (catchment tank needs to have all the following: completely closed, tap to withdraw water and at least 3000 litres capacity (>> Q12))	02 = Public tap	09 = Unimproved rainwater collection (>> Q12)	03 = Tubed/piped well or borehole	10 = Water bought from tanker truck or vendor (Vendor brought water home, write "0" in distance and >> Q12)	04 = Protected dug well (including all of the following: lining, headwall, platform, cover)	11 = Water bought from tanker truck or vendor (Any household member goes to collect, write distance in Q9 then ask Q10 and Q11.)	05 = Unprotected dug well	12 = Bottled water	06 = Pond, river or stream (fetch water from pond, river, stream)	13 = Other (Specify)	07 = Pond, river or stream (pump to the house) (>> Q12)	
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06 = Pond, river or stream (fetch water from pond, river, stream)	13 = Other (Specify)																	
07 = Pond, river or stream (pump to the house) (>> Q12)																		
Q9	What is the distance from home to the drinking water source in wet season (source reported in Q8)?	METERS:	Q04_09	<input type="text"/>														
Q10	Which members of your household are fetching drinking water in the wet season?	Q04_10Mx	IDcode	(1) <input type="text"/> (2) <input type="text"/> (3) <input type="text"/>														
Q11	How many minutes per day do they spend in total on fetching drinking water in wet season?	MINUTES PER DAY:	Q04_11	<input type="text"/>														

04. HOUSING (CONTINUED)

WEEK 1

Q12	What is your household's main source of drinking water in dry season? DRINKING WATER SOURCE CODES IN DRY SEASON	CODE: <input type="text"/> <input type="text"/> Q04_12
	<p>01 = Piped in dwelling or on premises (>> Q16)</p> <p>02 = Public tap</p> <p>03 = Tubed/piped well or borehole</p> <p>04 = Protected dug well (including all of the following: Lining, headwall, platform, cover)</p> <p>05 = Unprotected dug well</p> <p>06 = Pond, river or stream (fetch water from pond, river, stream)</p> <p>07 = Pond, river or stream (pump to the house) (>> Q16)</p> <p>08 = Improved rainwater collection (catchment tank needs to have all the following: completely closed, tap to withdraw water and at least 3000 litres capacity (>> Q16))</p> <p>09 = Unimproved rainwater collection (>> Q16)</p> <p>10 = Water bought from tanker truck or vendor (Vendor brought water home, write "0" in distance and >> Q16)</p> <p>11 = Water bought from tanker truck or vendor (Any household member goes to collect, write distance in Q13 then ask Q14 and Q15.)</p> <p>12 = Bottled water</p> <p>13 = Other (Specify)</p>	
Q13	What is the distance from home to the drinking water source in dry season (source reported in Q12)?	METERS: <input type="text"/> <input type="text"/> Q04_13
Q14	Which members of your household are fetching drinking water in the dry season? Q04_14Mx IDcode (1) <input type="text"/> (2) <input type="text"/> (3) <input type="text"/>	
Q15	How many minutes per day do they spend in total on fetching drinking water in dry season?	MINUTES PER DAY: <input type="text"/> Q04_15
Q16	How much water charges did your household pay last month? (Put "0" for not buying water source)	RIELS: <input type="text"/> Q04_16
Q17	Did your household boil or otherwise treat the drinking water last month? 1 = Yes, always 2 = Sometimes 3 = No, never (>>Q19)	Q04_17 <input type="text"/>
Q18	How did you treat your drinking water last month? 1 = Yes a. Boil water? <input type="text"/> c. Chemical? <input type="text"/> e. Other method (Specify)? <input type="text"/> 2 = No b. Filter water? <input type="text"/> d. White alum? <input type="text"/>	
Q19a	What toilet facility does your household have within the premises? (in the area close to the dwelling) 1 = Pour flush (or flush) connected to sewerage (>> Q20) 2 = Pour flush (or flush) to septic tank or pit (>> Q20) 3 = Pour flush (or flush) to elsewhere (i.e. not a sewer or pit/tank) (>> Q20) 4 = Pit latrine with slab (>> Q20) 5 = Pit latrine without slab or open pit (>> Q20) 6 = Latrine overhanging field or water (drop in the field, pond, lake, river, sea) (>> Q20) 7 = None (>> Q19b) 8 = Other, specify (>> Q20)	CODE: <input type="text"/> <input type="text"/> Q04_19A
Q19b	What toilet facility does your household usually use? 1 = Public toilet/pit latrine or shared with others (any type) 2 = Open land 3 = Other (Specify)	CODE: <input type="text"/> Q04_19B
Q20	How much did your household spend for sewage or waste water disposal last month? (Write 0 if nothing)	RIELS: <input type="text"/> Q04_20
Q21	How much did your household spend for garbage collection last month? (Write 0 if nothing)	RIELS: <input type="text"/> Q04_21

04. HOUSING (CONTINUED)

WEEK 1

Q22 (a) What type of fuel does your household mainly use for cooking? **Q04_22A**

FUEL CODES CODE:

1 = Firewood	6 = Household generator (>> Q23)
2 = Charcoal	7 = None/don't cook (>> Q23)
3 = Liquefied petroleum gas LPG (>> Q23)	8 = Other (Specify) (>> Q23)
4 = Kerosene (>> Q23)	
5 = Publicly-provided electricity/City Power (>> Q23)	

(b) Does the vendor bring the firewood/charcoal home? **Q04_22B**

1 = Yes (>> Q23)

2 = No

(c) Which household members are collecting or fetching firewood or charcoal? **Q04_22C1** **Q04_22C2** **Q04_22C3**

IDcode OF HH MEMBER (1) (2) (3)

(d) How many hours per week in total do they spend on collecting or fetching firewood/charcoal? **Q04_22D** HOURS PER WEEK:

If less than one hour write '0'

Q23 How much did the household spend on the following items last month (including lights and cooking)?

INCLUDE THE VALUE OF OWN PRODUCTION OR RECEIVED AS PAYMENT IN KIND FOR WORK OR AS GIFT OR FREE COLLECTION

(ENTER " 0 " IF DID NOT SPEND ANYTHING)

RIELS

a. Electricity	Q04_23A
b. Gas (LPG)	Q04_23B
c. Kerosene	Q04_23C
d. Firewood	Q04_23D
e. Charcoal	Q04_23E
f. Battery	Q04_23F
g. Other (Specify)	Q04_23G

Q24 What's the legal status of the dwelling? **Q04_24**

LEGAL STATUS CODE CODE:

1 = Owned by the household (>> Q25b)

2 = Not owned but no rent is paid (>> Q25b)

3 = Rented

4 = Other (Specify) (>> Q25b)

Q25a If rented:
How much did you pay for rent of this house last month? (=>> Q26)

RIELS: Q04_25A

Q25b How much would you have to pay per month to rent a similar dwelling? (Estimated value)

RIELS: Q04_25B

Q26 Whether owned or rented:
How much did you spend on maintenance and minor repairs of the dwelling last month?

RIELS: Q04_26

END OF WEEK 1

05. HOUSEHOLD ECONOMIC ACTIVITIES

WEEK 2

Respondent: head of household, spouse of the head of household or another adult household member

The following questions should be asked of the head of household, spouse of the head of household, or of another adult household member, if both head and spouse are absent.

A. LAND OWNERSHIP

I would now like to ask you about all land owned or operated by your household. That means all land that is used or could be used for vegetable gardening, agricultural or farming activities - crop cultivation, livestock raising and private forestry. (Do not include residential land not used to any of these activities)

Q1a Has the household sold any open land in the last 12 months?

1 = YES 2 = NO (>> Q2)

Q05AQ1A

Q1b What was the primary reason/purpose for which you sold the land?

- 1 = To address family health issues
 2 = Invest in business
 3 = To weed or buy farm equipment or for other agricultural activities
 4 = To pay debt
 5 = To buy motor bike or cell phone or for other household consumption needs
 6 = Rituals (marriage ceremony, funeral etc.)
 7 = Other (specify)

Q05AQ1B

Q2 Does anyone in your household own or operate any land that is used / could be used for vegetable gardening, agricultural or farming activities (crop cultivation, livestock raising or private forestry)?

1 = YES 2 = NO (>> NEXT SECTION E)

Q05AQ2

Q3 How many plots does your household own or operate?

NUMBER OF PLOTS:

Q05AQ3

09HH_S99_SingleQuestions.sav

Please list each plot that your household owns, or rent in from others, or used for free (including owned land that is rented out)

Note: Use additional questionnaires if there are more than 7 plots

PLOT NUMBER	What is the area of the plot in square meters (m ²)?	Do you own this land, rent it or have it in some other way? 1 = Own (>> 4a) 2 = Own, but rent out (>> 5a) 3 = Rented in (>> 6a) 4 = Free use of land (>> 4a) 5 = Other (specify)	If owned or free use of land Col 3 = 1 or 4			If owned but rented out Col 3 = 2		
			How much would it cost to rent a plot like this in this village? In cash or in kind (>> Col 7)	Unit 1 = Riel 2 = Kg 3 = Other (specify)	For what time period? 1 = Month 2 = Season 3 = Year 4 = Other (specify)	How much rent do you receive for this plot? In cash or in kind (>> Col 7)	Unit 1 = Riel 2 = Kg 3 = Other (specify)	For what time period? 1 = Month 2 = Season 3 = Year 4 = Other (specify)
(1)	(2)	(3)	Amount (if in cash) Quantity (if in kind) (4a)	(4b)	(4c)	Amount (if in cash) Quantity (if in kind) (5a)	(5b)	(5c)
01	Q05AC02 m ²	Q05AC03	Q05AC04A	Q05AC04A	Q05AC04A	Q05AC05A	Q05AC05B	Q05AC05C
02	m ²							
03	m ²							
04	m ²							
05	m ²							
06	m ²							
07	m ²							

A. LAND OWNERSHIP (CONTINUED)

WEEK 2

Please fill out the detailed information for each of the plots your household owns or rent in from others or used for free (including owned land that is rented out)

PLOT NUMBER	If rented in Col 3 = 3		What type of land is it? 01 = Wet-season land 02 = Dry-season land 03 = Wet and dry season land 04 = Chamkar land 05 = Kitchengarden (backyard) 06 = Land with permanent crops 07 = Land for raising livestock 08 = Private forestry land 09 = Idle land 10 = Other land (specify)	In what year did you first have/ start using this plot ?	How did you acquire it? 1 = Given by the government or local authority (>> 11) 2 = By inheritance or gift from relatives (>> 11) 3 = Bought it from a relative (>> 11) 4 = Bought it from a non-relative (>> 11) 5 = Cleared land/occupied for free (>> 11) 6 = Donated by friend (>> 11) 7 = Rented in (>> 11) 8 = Other (specify) (>>11)	If bought Col 9 = 3 or 4 How much did you pay to buy this plot?	
	How much rent do you pay for this plot? In cash or in kind	For what time period? 1 = Month 2 = Season 3 = Year 4 = Other (specify)					
	Unit 1 = Riel 2 = Kg 3 = Other (specify)	YEAR					Riels
(1)	(6a)	(6b)	(6c)	(7)	(8)	(9)	(10)
01	Q05AC06A	Q05AC06B	Q05AC06C	Q05AC07	Q05AC08	Q05AC09	Q05AC10
02							
03							
04							
05							
06							
07							

Please fill out the detailed information for each of the plots your household owns or rent in from others or used for free (including owned land that is rented out)

PLOT NUMBER	All plots	Do you have a paper to certify your ownership or rental agreement?	If YES in Col 12	Can you show me the document that you have for this plot?	Whose name is on the ownership document or rental contract?
	How much would it cost to buy a plot like this in this village today?	1 = Yes 2 = Never had (>> 15) 3 = Lost it (>> 15) 4 = Don't know (>> 15)	What kind of paper do you have? Enter answer given by respondent 1 = Application receipt 2 = Land investigation paper 3 = Certificate (title) from the government 4 = Paper from local authority 5 = Rental contract 6 = Other (specify) 7 = Don't know / not sure	Enter 8 if do not see certificate 1 = Application receipt 2 = Land investigation paper 3 = Certificate (title) from the government 4 = Paper from local authority 5 = Rental contract 6 = Other (specify) 7 = Don't know / not sure 8 = No paper shown	
	Riels				
(1)	(11)	(12)	(13a)	(13b)	(14)
01	Q05AC11	Q05AC12	Q05AC13A	Q05AC13B	Q05AC14
02					
03					
04					
05					
06					
07					

05. A. LAND OWNERSHIP (CONTINUED)

WEEK 2

Please fill out the detailed information for each of the plots your household owns or rent in from others (including owned land that is rented out)

PLOT NUMBER	Who is the plot manager? Write ID Code if a person in your household 77 = Other, female not in the household 88 = Other, male not in the household 99 = Unknown	Which crop did you grow on this plot in the last seasons? 1 = Rice 2 = Other crops (water melon, pumpkin, vegetables, maize, bean, potato, etc.) 3 = Fruit and nut trees (mango, coconut, cashew etc.) 4 = Rubber 5 = Don't know which crop 6 = None Enter all crops (up to the 3 most important) if you grow more than one crop			Can you add water to this plot with irrigation and / or water pumped from the well? 1 = Yes, dry season 2 = Yes, wet season 3 = Yes, both seasons 4 = No, cannot irrigate or pump water at all for this plot	Have you made any investments on this plot since you acquired it? (record up to 3 most important investments)		
						Enter the 3 most important		
(1)	(15)	(16a)	(16b)	(16c)	(17)	(18a)	(18b)	(18c)
01	Q05AC15	Q05AC16A	Q05AC16B	Q05AC16C	Q05AC17	Q05AC18A	Q05AC18B	Q05AC18C
02								
03								
04								
05								
06								
07								

PLOT NUMBER	In what year did you make these investments? If more than one investment, ask about the most important	Can you use this plot as collateral for loan? 1 = Yes 2 = No (>> 22)	When did you start to have the rights to use it as a collateral?	Have you ever had any conflict about this plot? 1 = Yes, now 2 = Yes, previously 3 = No
	YEAR		YEAR	
(1)	(19)	(20)	(21)	(22)
01	Q05AC19	Q05AC20	Q05AC21	Q05AC22
02				
03				
04				
05				
06				
07				

05. B. PRODUCTION OF CROPS (INCLUDING FRUITS AND VEGETABLES ETC.)

WEEK 2

Please provide the following information on crops, including fruits and vegetables, grown by your hh during the past 2 seasons. Please provide plot-wise details.

Note: Past wet-season should refer to the wet-season last calendar year.

If interview takes place in January - June: past dry-season should refer to the dry-season last calendar year.

If interview takes place in July - December: past dry-season should refer to the dry-season this calendar year.

Q05BQ1

Q1 Did your household produce any crops including fruits and vegetables during the past wet-season or the past dry-season?

1 = Yes

2 = No (> Part E)

☐

Q05BC01 SERIAL NUMBER	COPY THE PLOT NUMBER FROM PART A	What crop(s) have your household grown (on what plots)?	NIS code	How big area was cultivated?	How big area was harvested?	How much was produced / harvested?	How much has been the post-harvest loss until the day of interview?	How much (quantity) was given as crop rent?	What was the sale price of the crop produced per kg?		
				m ²	m ²	KG	Write '0' if nothing	Losses mean rotted, lost, eaten by birds, rodents, etc.	Write '0' if nothing	KG	RIELS / Kg
(1)	(2)	(3a)	(3b)	(4)	(5)	(6)	(7)	(8)	(9)		
PAST WET SEASON, What year?.....											
01	Q05BC02		Q05BC03B	Q05BC04	m ²	Q05BC05	m ²	Q05BC06	Q05BC07	Q05BC08	Q05BC09
02					m ²		m ²				
03					m ²		m ²				
04					m ²		m ²				
05					m ²		m ²				
06					m ²		m ²				
07					m ²		m ²				
08					m ²		m ²				
09					m ²		m ²				
10					m ²		m ²				
11											

PAST DRY SEASON, What year?.....											
12					m ²		m ²				
13					m ²		m ²				
14					m ²		m ²				
15					m ²		m ²				
16					m ²		m ²				
17					m ²		m ²				
18					m ²		m ²				
19					m ²		m ²				
20					m ²		m ²				
21					m ²		m ²				
22											

05. C. COST OF CULTIVATION OF CROPS (INCLUDING FRUITS AND VEGETABLES ETC.)

WEEK 2

Please provide the following information on cost of cultivation of crops, including fruits and vegetables, grown by your household during the past two seasons.

Please provide plot-wise details.

SERIAL NUMBER	COPY THE PLOT NUMBER FROM PART B	Planting materials (seeds, seedlings, young plants): purchased/supplied from home production	Chemical fertilizers, pesticide, weedicide and fungicide	Animal and plant manure: purchased/supplied from home produce	Electricity for the farming (not including household use!)	Oil, gas or gasoline and diesel for the farming (not including household use!)	Storage items (eg., burlap bags, plastic sheeting etc.)	Payment to hired draft power (tractors/ animals) including human labour, if any, for ploughing/ harrowing
Q05CC01		Write '0' if nothing	Write '0' if nothing	Write '0' if nothing	Write '0' if nothing	Write '0' if nothing	Write '0' if nothing	Write '0' if nothing
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
PAST WET SEASON								
01	Q05CC02	Q05CC03	Q05CC04	Q05CC05	Q05CC06	Q05CC07	Q05CC08	Q05CC09
02								
03								
04								
05								
06								
07								
08								
09								
10								
11								
PAST DRY SEASON								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								

05. C. COST OF CULTIVATION OF CROPS (INCLUDING FRUITS AND VEGETABLES ETC.) (CONTINUED)

WEEK 2

Please provide the following information on cost of cultivation of crops, including fruits and vegetables, grown by your household during the past two seasons.

Please provide plot-wise details.

SERIAL NUMBER	Other hired labour charges (cash plus kind)	Irrigation charges	Services/ technical support from government and other agencies	Transportation of input materials, equipment and products	Repair and maintenance of farm house, farm equipment, animal shed etc.	Rental paid to owner for farm land, farm house, equipment etc. rented in from others	Total Col. 3-15
	Write '0' if nothing	Write '0' if nothing	Write '0' if nothing	Write '0' if nothing	Write '0' if nothing	Both in cash and in kind Write '0' if nothing	Write '0' if nothing
	RIELS	RIELS	RIELS	RIELS	RIELS	RIELS	RIELS
(1)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
PAST WET SEASON							
01	Q05CC10	Q05CC11	Q05CC12	Q05CC13	Q05CC14	Q05CC15	Q05CC16
02							
03							
04							
05							
06							
07							
08							
09							
10							
11	TOTAL 01-10:						

PAST DRY SEASON							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22	TOTAL 12-21:						

05. D. INVENTORY OF CROPS (INCLUDING FRUITS AND VEGETABLES ETC.)

WEEK 2

Please provide the following information on crops, including fruits and vegetables, grown by your household and in your storage December 31 last year.

Q05DQ1

Did your household have any crops in storage December 31 last year?

1 = Yes 2 = No (>> Part E)

Q05DC01 SERIAL NUMBER	Crop(s) that your household had in storage December 31 last year		How much of ...[CROP]... did your household have in storage at December 31 last year?	What was the sales price for ...[CROP]... per kg at December 31 last year ?
	Crop Item	NIS code	KG	RIELS/KG
(1)	(2a)	(2b)	(3)	(4)
01		Q05DC02B	Q05DC03	Q05DC04
02				
03				
04				
05				
06				
07				
08				
09				
10				

Note: In this module all finished crops (including fruits and vegetables etc.) shall be reported

05. E. INPUTS AND OUTPUTS OF LIVESTOCK AND POULTRY RAISING ACTIVITIES

WEEK 2

Q1 Has your household or anyone in your household had any livestock in the past 12 months, that is from ..[MONTH].. last year?

1= Yes 2=No (>> Part F)

☐

Q05EQ1

Q05E1C01 SERIAL NUMBER	Type of animal or bird	Has anyone in your household raised any ..[LIVESTOCK].. in the past 12 months? 1=Yes 2=no (>> Next animal / bird)	Number of ..[LIVE STOCK].. currently owned ?	Of the total ..[LIVE STOCK].. currently owned how many are female animals / bird?	What would be the total sales value of ..[LIVESTOCK].. currently owned?	Number of ..[LIVE-STOCK].. owned December 31 last year?	Total sales value of ..[LIVESTOCK].. owned December 31 last year at the pre-vailing prices?	Value of ..[LIVESTOCK].. sold during the past 12 months?	Total paid for ..[LIVESTOCK].. bought during the past 12 months?
			If none, write '0'	If none, write '0'	Write '0' if nothing	If none write '0'	Write '0' if nothing	Write '0' if nothing	Write '0' if nothing
			NUMBER	NUMBER	RIELS	NUMBER	RIELS	RIELS	RIELS
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
01	Cattle	Q05E1C03	Q05E1C04	Q05E1C05	Q05E1C06	Q05E1C07	Q05E1C08	Q05E1C09	Q05E1C10
02	Buffaloes								
03	Horses, Ponies								
04	Pigs								
05	Sheep								
06	Goats								
07	Chickens								
08	Ducks								
09	Quail								
10	Other (specify)								
11	TOTAL 01 - 10:								

SERIAL NUMBER	Type of animal or bird	Imputed value of meat products from livestock/poultry in riels		Value of other products than meat (milk, butter, eggs, hide and skin, manure etc.) sold, consumed in household, used as gifts etc. during the past 12 months		
		Consumed in the household during the past 12 months	Used for barter, gifts, charity, etc. during the past 12 months	Sold	Consumed in household	Gifts, charity, barter etc.
		Write '0' if nothing	Write '0' if nothing	Write '0' if nothing	Write '0' if nothing	Write '0' if nothing
		RIELS	RIELS	RIELS	RIELS	RIELS
(1)	(2)	(11)	(12)	(13)	(14)	(15)
01	Cattle	Q05E1C11	Q05E1C12	Q05E1C13	Q05E1C14	Q05E1C15
02	Buffaloes					
03	Horses, Ponies					
04	Pigs					
05	Sheep					
06	Goats					
07	Chickens					
08	Ducks					
09	Quail					
10	Other (specify)					
11	TOTAL 01 - 10:					

09HH_S05e1_Animals.sav

05. E. INPUTS AND OUTPUTS OF LIVESTOCK AND AND PULTRY RAISING ACTIVITIES (CONTINUED)

WEEK 2

ITEM NUMBER Q05E2C01	ITEMS	How much did your household spend on the following items during the past 12 months? Write '0' if nothing
		AMOUNT IN RIELS
(1)	(2)	(3)
1	Feed and feed supplements (e.g. rice straw) for livestock/poultry - purchased	Q05E2C03
2	Feed and feed supplements (e.g. rice straw) for livestock/poultry - supplied from home farm/public land	
3	Hired labour to care for the livestock/poultry (cash plus kind)	
4	Veterinary services and medicine	
5	Service /technical support from government/other agencies	
6	Transporting livestock/poultry, livestock/poultry products, manure, feed and feed suppliments to/from market	
7	TOTAL 1 - 6:	

09HH_S05e1_Animals.sav

05. F. INPUTS AND OUTPUTS FROM FISH CULTIVATION AND FISHING/TRAPPING OF AQUATIC PRODUCTS

WEEK 2

Q1	Did your household or anyone in your household raise fish (or any other aquatic product like frogs or crocodiles) during the past 12 months?	1 = Yes 2 = No (> Q3)	<input type="checkbox"/>	Q05FQ1
Q2	Does your household or anyone in your household own or operate a pond for fish or shrimp culture?	1 = Yes 2 = No (> Q3)	<input type="checkbox"/>	Q05FQ2

Q05F1C01 POND #	Do you own this pond, rent it or have it some other way? 1 = Own 2 = Own, but rent out 3 = Rented in from others 4 = Free use of pond 5 = Other (specify)	AREA	MARKET VALUE	MONTHLY RENT
		How many square meters is the pond?	How much would you have to pay to buy a pond like this in this village?	How much would you have to pay monthly to rent a pond like this in this village?
		SQUARE METERS	RIELS	RIELS
(1)	(2)	(3)	(4)	(5)
1	Q05F1C02	Q05F1C03	Q05F1C04	Q05F1C05
2				
3				

09HH_S05f1_FishArea.sav

Q3	Did your household or anyone in your household catch fish, shrimp, crabs, oysters, etc. during the past 12 months?	1 = Yes 2 = No	<input type="checkbox"/>	Q05FQ3
----	--	-------------------	--------------------------	---------------

09HH_S99_SingleQuestions.sav

If Yes on Q1 or Q2 or Q3, please ask the following questions. If No on all 3 questions (Q1-Q3) >> G

Q05F2C01 ITEM #	EXPENSES	Amount spent
	How much did your household spend on the following items during the past 12 months?	Write '0' if nothing
	ITEM	RIELS
(1)	(2)	(3)
01	Breeding stock for raising fish/shrimp etc.	Q05F2C03
02	Feed for raising fish/shrimp etc.	
03	Hired labour (cash plus Kind)	
04	Ice	
05	Repair and maintenance of nets and traps etc.	
06	Repair and maintenance of boat	
07	Boat fuel	
08	Boat rent (cash)	
09	Cash rent for tank, if leased in	
10	Transportation of fish/shrimp/crab etc. to market	
11	Services (technical assistance) received	
12	Other (specify)	
13	Total 01 - 12:	

09HH_S05f2_FishExpenses.sav

05. F. INPUT AND OUTPUTS FROM FISH CULTIVATION AND FISHING/TRAPPING OF AQUATIC PRODUCTS (CONTINUED)

WEEK 2

Q05F3C01 ITEM #	INCOME	Amount received
	How much did your household receive under the following item during the past 12 months?	Write '0' if nothing
	ITEM	RIELS
(1)	(2)	(3)
01	Proceeds from sale of fish, shrimp, crab etc. raised or captured (*)	Q05F3C03
02	Value of fish, shrimp, crab etc. consumed in household	
03	Value of fish, shrimp, crab etc. given away as gift, charity, barter, etc.	
04	Value of fish, shrimp used for drying (dried fish/shrimp, smoked fish etc.)	
05	Value of fish, shrimp used for preparation of fish/shrimp sauce	
06	Value of fish, shrimp used for animal feed	
07	Value of fish, shrimp used for other (specify)	
08	Total 1 - 7:	

(*) Do not include fish, shrimp, crab etc (paid in-kind) for renting boat or tank..

09HH_S05f3_FishIncome.sav

05. G. INPUTS AND OUTPUTS FROM FORESTRY AND HUNTING

Q1 Did anyone in your household collect firewood, charcoal, timber or other forest products during the past 12 months? 1 = Yes 2 = No ☐ **Q05GQ1**

Q2 Did anyone in your household collect palm juice, root crops, herbs, honey or hunt wild animals or birds during the past 12 months? 1 = Yes 2 = No ☐ **Q05GQ2**

If YES on Q1 or Q2 ask the following questions, if NO on both of them >>Part H

09HH_S99_SingleQuestions.sav

Q05G1C01 PRODUCT #	INCOME	What were the value of products that your household collected in this way during the past 12 months?			
		Write '0' if nothing			
		Receipts from sale of products gathered or hunted?	Imputed value of such products consumed in the household?	Imputed value of such products given away for gifts, charity, barter, etc.?	Total amount (Col. 3 - 5)
	ITEM	RIELS	RIELS	RIELS	RIELS
(1)	(2)	(3)	(4)	(5)	(6)
01	Sawing logs	Q05G1C03	Q05G1C04	Q05G1C05	Q05G1C06
02	Firewood				
03	Wood for charcoal				
04	Rattan, bamboo, palm leaves, other fibrous material				
05	Palm juice				
06	Root crops, fruits and vegetables				
07	Herbs				
08	Honey				
09	Wild animals and birds				
10	Other products (specify)				
11	Total 01 - 10:				

09HH_S05g1_ForestIncome.sav

05. G. INPUTS AND OUTPUTS FROM FORESTRY AND HUNTING (CONTINUED)

WEEK 2

Q05G2C01 Item #	EXPENSES	Amount spent
	How much did your household spend on the following items during the past 12 months?	Write '0' if nothing
	ITEMS	RIELS
(1)	(2)	(3)
01	Transport costs including transport to market	Q05G2C03
02	Fuel	
03	Draft animal feed	
04	Hired labour charges	
05	Tools, equipment, including maintenance	
06	Commissions, tips, rents, etc.	
07	Other (specify)	
08	Total 1 - 7:	

09HH_S05g2_ForestExpenses.sav

05. H. LIST OF HOUSEHOLD NON-AGRICULTURAL ECONOMIC ACTIVITIES DURING THE PAST 12 MONTHS

Q1 Did anyone in your household run an enterprise or business during the past 12 months? 1 = Yes 2 = No (>> NEXT SECTION)

Q05HQ1

Q05H1C01 Activity #	DESCRIPTION OF THE ACTIVITY	MAIN PRODUCT	NIS INDUSTRY CODE	ID CODE OF								
				Main person running the enterprise/business	Other household members participating in the activity							
					Q05H1C06X X =							
					1	2	3	4	5	6	7	8
(1)	(2)	(3)	(4)	(5)	(6a)	(6b)	(6c)	(6d)	(6e)	(6f)	(6g)	(6h)
01			Q05H1C04	Q05H1C04								
02												
03												
04												
05												

Note: Use additional questionnaires if there are more than 5 activities running by the household

09HH_S05h1_Business.sav

05. H. LIST OF HOUSEHOLD NON-AGRICULTURAL ECONOMIC ACTIVITIES DURING THE PAST 12 MONTHS (CONTINUED)

WEEK 2

COST # Q05H2C01	COST ITEM	How much did you spend on the different items listed for activity 1, during the past 12 months, that is since ..[MONTH].. last year? (Use the same question for activity 2-5)				
		Write '0' if nothing				
		Activity 1 RIELS (3)	Activity 2 RIELS (4)	Activity 3 RIELS (5)	Activity 4 RIELS (6)	Activity 5 RIELS (7)
(1)	(2)					
01	Raw material used for processing	Q05H2C03	Q05H2C04	Q05H2C05	Q05H2C06	Q05H2C07
02	Materials used for construction					
03	Fuels used for production or generation of electricity, service etc.					
04	Lubricants					
05	Purchase of goods for resale					
06	Food, drink and tobacco products served to customers					
07	Electricity purchased					
08	Water and sanitation charges					
09	Containers, packing materials					
10	Freight and transport expenses					
11	Insurance, bank charges, telephone, postage and other communication					
12	Office supplies, stationary and other items					
13	Rents paid for land, buildings, storage, warehousing, equipment & machines					
14	Repair/maintenance of buildings, equipment & machinery/material/services					
15	Registration and other govt. fees, taxes and donations					
16	Wages/salaries of hired labour (cash plus kind)					
17	Services rendered by others (commissions, etc.)					
18	All other expenses not included in the list from 1 to 17					
19	Total 01 -18:					

09HH_S05h2_BussinessExpenses.sav

05. H. LIST OF HOUSEHOLD NON-AGRICULTURAL ECONOMIC ACTIVITIES DURING THE PAST 12 MONTHS (CONTINUED)

WEEK 2

Q05H2C01 Revenue #	REVENUE ITEM	How much did your household receive under the different items listed for activity 1, during the past 12 months, that is since ..[MONTH].. last year? (Use the same question for activity 2-5)				
		Write '0' if nothing				
		Activity 1 RIELS	Activity 2 RIELS	Activity 3 RIELS	Activity 4 RIELS	Activity 5 RIELS
(1)	(2)	(3)	(4)	(5)	(6)	(7)
01	Receipts from sale of products and by-products	Q05H3C03	Q05H3C04	Q05H3C05	Q05H3C06	Q05H3C07
02	Charges for repair services					
03	Other professional and service charges and commissions, etc.					
04	Charges for construction work done					
05	Proceeds from sale of goods sold					
06	Charges for board and lodging					
07	Receipts from sales/services at hotels/restaurants					
08	Charges for transport services provided (taxi, moto etc)					
09	Imputed value of products/goods for resale, etc. consumed in the household					
10	Imputed value of products/by-products used as intermediate goods					
11	Imputed value of products/by-products used as gifts, charity, etc.					
12	Supply of electricity, gas and water					
13	Rental income from land & buildings & storage & warehousing					
14	Rental income from equipment and machinery					
15	Charges for financial / insurance / real estate services					
16	Charges for medical services					
17	Charges for educational services					
18	Charges for recreational and cultural services					
19	Charges for other community, social and personal services					
20	All other income receipts and charges from the activity not included in (01-19)					
21	Total 01 - 20:					

09HH_S05h3_BussinessIncome.sav

06. HOUSEHOLD LIABILITIES

Respondent: Head of household, spouse of the head of household, or another adult household member

WEEK 2

Q1 Does your household have outstanding debts to other households or institutions?

1 = Yes

2 = No (>> NEXT SECTION)

☐

Q06_Q1

Q06_C01 LOAN NUMBER	How old is the debt? (In completed months)	In how many months will the debt be fully paid back?	From whom did your household obtain the loan?	What was the primary purpose for which your household borrowed the money?	What was the total amount borrowed?	How much is the outstanding loan now (this month)?	If interest is charged, what is the monthly rate of interest?
	Put '0' if less than one month	Put '0' if less than one month	01 = Relatives in Cambodia 02 = Relatives who live abroad 03 = Friends/neighbours 04 = Moneylender 05 = Trader 06 = Landlord 07 = Employer 08 = Bank 09 = NGO 10 = Other (specify)	01 = Agricultural activities 02 = Non-agricultural activities 03 = Household consumption needs 04 = Illness, injury, accident 05 = Other emergencies (fire, flood, theft) 06 = Rituals (marriage ceremony, funeral etc) 07 = Purchase/improvement of dwelling 08 = Purchase of consumer durables 09 = Servicing and existing debts 10 = Other (specify)		Interest should not be included	Refer to the outstanding loan in Col 7 If no interest, write '0' If don't know, leave it blank
	MONTHS	MONTHS			RIELS	RIELS	PERCENTAGE
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
01	Q06_C02	Q06_C03	Q06_C04	Q06_C05	Q06_C06	Q06_C07	Q06_C08
02							
03							
04							
05							
06							

09HH_S06_Liabilities.sav

07. HOUSEHOLD INCOME FROM OTHER SOURCES

Respondent: Head of household, spouse of the head of household, or another adult household member

WEEK 2

Q07_C01 SOURCE #	REVENUE ITEMS	How much did your household receive from ..[SOURCE].. during the last 12 months?		
		From Cambodia	From abroad	Total (Col 3 + Col 4)
		Write '0' if nothing IN RIELS	Write '0' if nothing IN RIELS	Write '0' if nothing IN RIELS
(1)	(2)	(3)	(4)	(5)
01	Pensions	Q07_C03	Q07_C04	Q07_C05
02	Remittances from other relatives or others (not reported in current migration section)			
03	Governmental scholarships, stipends for any student member of the household			
04	Other scholarships, stipends for any student member of the household (NGO, private institutions etc.)			
05	Transfers (assistance/support) from NGO or other institutions (not credit)			
06	Income from lottery and gamblings			
07	Bank interests			
08	Dividends			
09	Interests on loans to others			
10	Imputed value of goods received through barter (not recorded elsewhere)			
11	Imputed value of gifts received (not recorded elsewhere)			
12	Other (not included in 1 to 11)			
13	Total received: 01 - 12:			

Note: Income from economic activity will be reported in module 05 (agricultural and non-agricultural activity) and in module 13B (salary if paid employee)

END OF WEEK 2

09HH_S07_IncomeOther.sav

8. CONSTRUCTION ACTIVITIES IN THE PAST 12 MONTHS

Respondent: Head of household, spouse of the head of household, or another adult household member

WEEK 3

Q1 Does the household own its own dwelling or any other building(s) used for residential, agricultural, commercial or industrial purposes?

1 = Yes

2 = No (>> NEXT SECTION)

Q08_Q1

Q08_C01 BUILDING NUMBER	What is the building used for? 1 = Residential 2 = Agricultural 3 = Commercial (purchase/sale of goods and services) 4 = Industrial (manufacturing) Enter the three most important			What is the total area for living or other use of the building? SQUARE METERS	What year was the building constructed? Enter the year when the construction was finished YEAR	How much would you have to pay to buy a building like this in the village? RIELS	How much would you have to pay per month to rent a building like this in the village? The village where the building is located RIELS	Is any part of this building rented out? 1 = Yes 2 = No (>> 9)	How much does your household receive in monthly rent for this building? RIELS	Was this building constructed, extended or repaired in the last 12 months, that is, since ..[MONTH].. last year? 1 = Yes 2 = No (>> NEXT BUILDING)
	(1)	(2a)	(2b)	(2c)	(3)	(4)	(5)	(6)	(7)	(8)
1	Q08_C02A	Q08_C02B	Q08_C02C	Q08_C03	Q08_C04	Q08_C05	Q08_C06	Q08_C07	Q08_C08	Q08_C09
2										
3										
4										

BUILDING NUMBER	What kind of work was it? 1 = Constructed 2 = Extension (>> 14) 3 = Repair (>> 14) Enter the most important	In what year and month did the construction start?		In what year and month did people start to use this building? (if not yet used leave it blank for month and year)		Who built this building? 1 = Household members only 2 = Household members and other relatives 3 = Household members and hired help 4 = Contracted builder 5 = Other (specify)	How much did your household pay those who helped constructing, extending or repairing this building (hired or contracted)? Write '0' if nothing and leave it blank if don't know For building still under work ask for the cost up till now RIELS
	(1)	(10)	(11a)	(11b)	(12a)	(12b)	(13)
1	Q08_C10	Q08_C11A	Q08_C11B	Q08_C12A	Q08_C12B	Q08_C13	Q08_C14
2							
3							
4							

8. CONSTRUCTION ACTIVITIES IN THE PAST 12 MONTHS (Continued)

WEEK 3

BUILDING NUMBER	How much did your household spend for materials?	If not possible to separate labour and materials: How much were the total costs?	If anyone in the household has put in own labour for constructing, extending or repairing this building try to estimate the value of it as if you had engaged someone to do it? Write '0' if nothing	If anyone else not belonging to the household has put in own labour try to estimate the value of it as if you had engaged someone to do it? Write '0' if nothing	For buildings not yet completed: What is the estimated remaining cost of the building's construction, extension or repair to be completed?
	Write '0' if nothing and leave it blank if don't know For building still under work ask for the cost up till now				
	RIELS	RIELS	RIELS	RIELS	RIELS
(1)	(15)	(16)	(17)	(18)	(19)
1	Q08_C15	Q08_C16	Q08_C17	Q08_C18	Q08_C19
2					
3					
4					

09. DURABLE GOODS

WEEK 3

Respondent: Head of household, spouse of the head of household, or another adult household member

ITEM NUMBER	How many of the following items does your household own? (Write '0' if none and => Next item)			Did you buy it, receive it as a gift, as pay for work or in other way? If more than one item ask for each item and put a code in each column. If more than 4 ask for the 4 most recent				How many of this (these) ..[ITEM].. were acquired or received....:		For items bought or received within the last 12 months:	For items bought or received before the last 12 months:
	ITEM	Prod-uct code Q09_C03	TOTAL NUMBER	1 = Purchased 2 = Payment for services 3 = Received as a gift 4 = Other (specify)				a. Within the last 12 months?	b. Before the last 12 months?	What was the purchase value (or the imputed value) of all these ..[ITEM]s..?	According to current prices, what do you think you could get if you sold ..[ITEM]s..?
(1)	(2)	(3)	(4)	(5a)	(5b)	(5c)	(5d)	(6a)	(6b)	RIELS (7)	RIELS (8)
Home Electronics											
01	Radio	801	Q09_C04	Q09_C05A	Q09_C05B	Q09_C05C	Q09_C05D	Q09_C06A	Q09_C06B	Q09_C07	Q09_C08
02	Television	802									
03	Telephone	817									
04	Cell phone	818									
05	Video/VCD/DVD player/recorder	807									
06	Stereo	808									
07	Camera (picture/video)	809									
08	Satellite dish	824									
Personal transport											
09	Bicycle	803									
10	Motorcycle	804									
11	Car	829									
12	Jeep/Van	830									
Household equipment											
13	Sewing machine	806									
14	Refrigerator	810									
15	Electric Kitchen/Gas Stove	813									
16	Washing machine	819									
17	Dishwasher	820									
18	Freezer	821									
19	Vacuum cleaner	822									
20	Electric iron	823									
21	Electric fan	811									
22	Air conditioner	812									
23	Suitcases/box for store/ travelling	890									

09. DURABLE GOODS

WEEK 3

ITEM NUMBER	How many of the following items does your household own? (Write '0' if none and >> Next item)			Did you buy it, receive it as a gift, as pay for work or in other way? If more than one item ask for each item and put a code in each column. If more than 4 ask for the 4 most recent 1 = Purchased 2 = Payment for services 3 = Received as a gift 4 = Other (specify)				How many of this (these) ..[ITEM].. were acquired or received....: a. Within the last 12 months? b. Before the last 12 months?		For items bought or received within the last 12 months: What was the purchase value (or the imputed value) of all these ..[ITEM]s..?	For items bought or received before the last 12 months: According to current prices, what do you think you could get if you sold ..[ITEM]s..?
	ITEM	PRO- DUCT CODE	TOTAL NUMBER	(5a)	(5b)	(5c)	(5d)	(6a)	(6b)	RIELS	RIELS
(1)	(2)	(3)	(4)	(5a)	(5b)	(5c)	(5d)	(6a)	(6b)	(7)	(8)
24	Generator	816	Q09_C04	Q09_C05A	Q09_C05B	Q09_C05C	Q09_C05D	Q09_C06A	Q09_C06B	Q09_C07	Q09_C08
25	Batteries	891									
Furniture											
26	Sofa set	814									
27	Dining set (dinning table + chairs)	815									
28	Bed sets (Bed, Mattress...)	892									
29	Wardrobe, cabinets	893									
Computers and printers											
30	Computer (desktop or laptop)	825									
31	Printer	826									
Recreation											
32	Musical instruments	827									
33	Sport equipment	828									
Water transport											
34	Rowing boat	831									
35	Motor Boat	832									
Agriculture and other production											
36	Cart (pulled by animal)	805									
37	Tractor	833									
38	Bulldozer/roller	834									
39	Plough	835									
40	Threshing machine	837									
41	Harrow/rake/hoe/spade/axe...	838									
42	Hand Tractor (Kou Yon)	839									
43	Rice mill	840									
44	Water pump	836									
Other items											
45	Other (specify)	841									
46	Other (specify)	894									

10. MATERNAL HEALTH

Respondent: All women with living children under 5 years old

WEEK 3

LAST PREGNANCY & DELIVERY

Q10_Q1

Q1 Are there any women living in the household with living children under 5 years old?

1= Yes 2=No (>> SECTION 11)

(the child can be living in another household)

Please provide the following information on the last pregnancy

Q10_C01 SERIAL NUMBER	COPY ID CODE OF THE MOTHER FROM ROSTER	ID No. of child if living in the household Leave blank if the child is not living in the household	During this pregnancy did you have difficulty with your vision during daylight? 1 = Yes (>> 6) 2 = No 8 = Don't know	During this pregnancy did you suffer from night blindness? 1 = Yes 2 = No 8 = Don't know	During this pregnancy were you given or did you buy any iron tablets? Show tablets 1 = Yes 2 = No 8 = Don't know
(1)	(2)	(3)	(4)	(5)	(6)
01	Q10_C02	Q10_C03	Q10_C04	Q10_C05	Q10_C06
02					
03					
04					

Q10_C01 SERIAL NUMBER	During this pregnancy did you take any drug for intestinal parasites? 1 = Yes 2 = No 8 = Don't know	Did you see anyone for antenatal care for this pregnancy? 1 = Yes 2 = No (>>10) 8 = Don't know (>>10)	I don't want to know the result but were you tested for the AIDS virus as part of your antenatal care? 1 = Yes 2 = No 8 = Don't know	During this pregnancy were you given an injection in the arm to prevent the baby from getting tetanus, that is, convulsions after birth? 1 = Yes 2 = No (>>12) 8 = Don't know (>>12)
(1)	(7)	(8)	(9)	(10)
01	Q10_C07	Q10_C08	Q10_C09	Q10_C10
02				
03				
04				

10. MATERNAL HEALTH (CONT.)

Respondent: All women with living children under 5 years old

WEEK 3

LAST PREGNANCY & DELIVERY (CONT.)

Please provide the following information on your last pregnancy

Q10_C01 SERIAL NUMBER	During this pregnancy how many times did you get this tetanus injection? If more than 7, write 7 If don't know enter '8' If > 2 (>> Col 14)	At any time before this pregnancy did you receive any tetanus injection? 1 = Yes 2 = No (>> 14) 8 = Don't know (>> 14)	Before this pregnancy how many times did you receive a tetanus injection?	Where did you give birth? Enter Code If don't know enter '98'	Who assisted you in the delivery of the child? 1 = Doctor/Medical assistant 2 = Nurse 3 = Midwife 4 = Traditional birth attendant 5 = Relative/friend 6 = Other (Specify) 7 = None Leave it blank if don't know (Enter up to 4 most important persons)				In the first six weeks after delivery did you receive a Vitamin A dose like this? Show capsule 1 = Yes 2 = No 8 = Don't know	In the first two months after delivery did you receive iron tablets? Show capsule 1 = Yes 2 = No 8 = Don't know
(1)	(11)	(12)	(13)	(14)	(15a)	(15b)	(15c)	(15d)	(16)	(17)
01	Q10_C11	Q10_C12	Q10_C13	Q10_C14	Q10_C15A	Q10_C15B	Q10_C15C	Q10_C15D	Q10_C16	Q10_C17
02										
03										
04										

Codes for col.14

Home:
 01 = Your home
 02 = Midwife/TBA home
 03 = Other home (specify)

Public sector:
 04 = National Hospital (PP)
 05 = Province Hospital (RH)
 06 = District Hospital (RH)
 07 = Health Center
 08 = Health Post
 09 = Military Hospital
 10 = Other Public (Specify)

Private Medical Sector
 11 = Private Hospital
 12 = Private Clinic
 13 = Other Private (Specify)

Other:
 14 = Other (Specify)

11. CHILD HEALTH

Respondents: Mothers or caretakers of children under 2 years old

WEEK 3

YOUNGEST CHILD & AND ALL CHILDREN UNDER 2

Q1 Check in the household list if there are any children 00-23 months old living in the household?

1= Yes 2=No (>> SECTION 12)

Q11_Q1

Please provide the following information on the youngest child of each mother and all children 00-23 month old

SERIAL NUMBER Q11_C01	COPY ID CODE OF THE MOTHER FROM ROSTER	COPY ID CODE OF THE CHILD FROM ROSTER	Is this your youngest child? 1 = Yes 2 = No (>> 9)	Did you ever breastfeed your child? 1 = Yes 2 = No (>> 9)	How long after birth did you first put the child to the breast? If less than one hour record '00' hours If less than 24 hours record hours Otherwise record days		Are you still breastfeeding? 1 = Yes 2 = No
					HOURS	DAYS	
(1)	(2)	(3)	(4)	(5)	(6a)	(6b)	(7)
01	Q11_C02	Q11_C03	Q11_C04	Q11_C05	Q11_C06A	Q11_C06B	Q11_C07
02							
03							
04							
05							
06							
07							

SERIAL NUMBER Q11_C01	Now I would like to ask you about liquids your child drank yesterday during day or night. Did your child drink		Have this child ever received a vaccination? 1 = Yes 2 = No (>> NEXT CHILD) 8 = Don't know (>> NEXT CHILD)	Where did the child receive most of the vaccinations? 1 = Outreach activities 2 = Health center 3 = National, provincial, district hospital 4 = Private clinic 5 = Other (specify)
	A (8a)	B (8b)		
(1)	(8a)	(8b)	(9)	(10)
01	Q11_C08A	Q11_C08B	Q11_C09	Q11_C10
02				
03				
04				
05				
06				
07				

11. CHILD HEALTH (CONTINUED)

Respondents: Mothers or caretakers of children under 2 years old

WEEK 3

YOUNGEST CHILD & ALL CHILDREN UNDER 2 (CONTINUED)

Please provide the following information on the youngest child of each mother and all children 00-23 month old

Q11_C01 SERIAL NUMBER	Do you have a yellow card where [NAME]'s vaccinations are written down? If 'Yes': Can I see the yellow card? 1 = Yes 2 = No (-> NEXT CHILD)	10						
		BCG			Hep0			
		a) Has [NAME] ever received BCG vaccination?			a) Did name receive a Hep0 vaccination at birth?			
		b and c) What month and year did [NAME] receive the vaccination?			b, c, and d) What day, month and year did [NAME] receive the latest vaccination?			
		If not recorded leave blank			If not recorded leave blank			
		MONTH	YEAR		DAY	MONTH	YEAR	
(1)	(11)	(12a)	(12b)	(12c)	(13a)	(13b)	(13c)	(13d)
01	Q11_C11	Q11_C12A	Q11_C12B	Q11_C12C	Q11_C13A	Q11_C13B	Q11_C13C	Q11_C13D
02								
03								
04								
05								
06								
07								

Q11_C01 SERIAL NUMBER	If child has yellow card, record the dates of the following vaccinations from the yellow card. The interviewer must see the card.					
	DPT-HepB			MEASLES		
	a) How many doses of DPT-HepB vaccine has [NAME] received?			a) Has [NAME] ever received measles vaccination?		
	b and c) What month and year did [NAME] receive the latest vaccination?			b and c) What month and year did [NAME] receive the vaccination?		
		If not recorded leave blank			If not recorded leave blank	
		MONTH	YEAR		MONTH	YEAR
(1)	(14a)	(14b)	(14c)	(15a)	(15b)	(15c)
01	Q11_C14A	Q11_C14B	Q11_C14C	Q11_C15A	Q11_C15B	Q11_C15C
02						
03						
04						
05						
06						
07						

12. HEALTH CHECK OF CHILDREN UNDER 5

Respondents: Mothers or caretakers of children under 5 years old

WEEK 3

Q1 Check in the household list if there are any children 00-59 months old living in the household? 1= Yes 2=No (>> SECTION 13)

Q12_Q1

Please provide information on children 00-59 month old who are household members

SERIAL NUMBER Q12_C01	COPY ID CODE OF CHILD FROM ROSTER	Does s/he have a birth certificate? If No, PROBE Has this child's birth ever been registered with the civil authority 1 = Certificate 2 = Registered 3 = Neither 8 = Don't know	Has this child ever received a Vitamin A dose like this? Show capsule 1 = Yes 2 = No (>>6) 8 = Don't know (>>6)	How many months ago did this child take the last dose? If less than 1 month enter '00' If don't know enter '98'	Has this child taken any drug for intestinal parasitis in the last six months? 1 = Yes 2 = No 8 = Don't know	Did this child sleep under a mosquito net last night? 1 = Yes 2 = No 8 = Don't know	Has this child had diarrhea in the last 2 weeks? 1 = Yes 2 = No (>>10a) 8 = Don't know (>>10a)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Q12_C02	Q12_C03	Q12_C04	Q12_C05	Q12_C06	Q12_C07	Q12_C08
2							
3							
4							
5							
6							
7							
8							

12. HEALTH CHECK OF CHILDREN UNDER 5 (CONTINUED)

Respondents: Mothers or caretakers of children under 5 years old

WEEK 3

Please provide information on children 00-59 month old who are household members

Q12_C01 SERIAL NUMBER	Was the child given any of the following at any time since he/she started having diarrhea?		Date of measurement		Height measured	If the child was measured: Was this height measured standing up or lying down? 1=Standing up 2=Lying down (Less than 24 months old)	Weight measured
	A fluid made from special packet called oratyle?	A home fluid of porridge water or cooked rice with salt/sugar?	DAY	MONTH	If not measured, leave it blank		If not measured, leave it blank
	1 = Yes 2 = No 8 = Don't know	1 = Yes 2 = No 8 = Don't know					
(1)	(9a)	(9b)	(10a)	(10b)	(11)	(12)	(13)
1	Q12_C09A	Q12_C09B	Q12_C10A	Q12_C10B	Q12_C11 <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>	Q12_C12	Q12_C13 <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/>
2					<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>
3					<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>
4					<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>
5					<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>
6					<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>
7					<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>
8					<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>		<input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/>

13. HEALTH CARE SEEKING & EXPENDITURE

WEEK 3

Respondent: Head of household or the spouse of the head of household

The following questions should be asked of the head of household, spouse of the head of household, or another adult household member, if both head and spouse are absent.

A. SUBSIDIZED HOUSEHOLD HEALTHCARE

Q1	In the last 12 months, has any member of the household received free or subsidized health care that other people would normally have to pay for? (including private health insurance)	1 = Yes	2 = No (>> Q4)	8 = Don't know	<input type="text"/>	Q13AQ1
Q2	How did they obtain this free / subsidized treatment?	1 = Household Priority Access Card, Equity Card, or other document that allows free or subsidized health care 2 = Name(s) are on a List of Poor Households held by the local authorities 3 = Health facility staff asked them questions from a list / filled out a form before treatment 4 = Health facility staff provided free treatment (without asking questions or filling out a form) 5 = Have private health insurance 6 = Belong to community health insurance scheme 7 = Other (specify) 8 = Don't know			a. <input type="text"/>	Q13AQ2A
	Record up to 3 ways in which they obtained free / subsidized treatment				b. <input type="text"/>	Q13AQ2B
					c. <input type="text"/>	Q13AQ2C
Q3	When they received free / subsidized treatment, were they treated the same as other people who were paying for their healthcare?	1 = Yes, always treated the same	4 = No, most times not treated the same		<input type="text"/>	Q13AQ3
		2 = Yes, most times treated the same	5 = No, never treated the same			
		3 = Sometimes yes, sometimes no	8 = Don't know			
Q4	If Q1 = 2, Otherwise (>> Col.2 next page) Do you or any member of the household have a Priority Access Card, Equity Card, or any other document that allows free or subsidized health care?	1 = Yes	2 = No	8 = Don't know	<input type="text"/>	Q13AQ4

09HH_S99_SingleQuestions.sav

13. HEALTH CARE SEEKING & EXPENDITURE (CONTINUED)

WEEK 3

Respondent: Head of household or the spouse of the head of household

Please provide information on all members who usually reside in this household.

B ILLNESS AND HEALTHCARE EXPENDITURE DURING THE LAST 30 DAYS

Q13BC01 ID NUMBER	Please tell me if any member of your household is sick, has an illness or injury now or at any time in the last 30 days. 1 = Yes 2 = No (>> 7)	If an illness Did ...[Name]... have this illness for more than one year already? It should be the same illness that comes and goes (chronic) 1 = Yes 2 = No	Was ...[NAME]... so ill that s/he could not do his/her usual activities? 1 = Yes 2 = No (>> 7) 3 = No usual activities (>> 7) (e.g. small children, old person, etc.)	How many days was ...[NAME]... so ill that s/he stopped doing usual activities?	Was consultation or treatment sought for this illness/injury? Refer to the last 30 days 1 = Yes 2 = No	Has there been any other reason to go to a health facility or seek health care? If no, PROBE Has this person received care in relation to a pregnancy, immunization or supplementation? 1 = Antenatal care 2 = Delivery 3 = Postnatal care 4 = Vitamin A or deworming 5 = Other If none enter '0'
				Enter number of days Refer to the last 30 days Number of days		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
01	Q13BC02	Q13BC03	Q13BC04	Q13BC05	Q13BC06	Q13BC07
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						

09HH_S13b_HealthExpenses.sav

13. HEALTH CARE SEEKING & EXPENDITURE (CONTINUED)

WEEK 3

Respondent: Head of household or the spouse of the head of household

Please provide information on all members who usually reside in this household.

B ILLNESS AND HEALTHCARE EXPENDITURE (CONTINUED)

ID NUMBER	In the last thirty days, how many times did [NAME] seek health care for illness, injury, or any other reason? If 0, PROBE. Has this person bought medicine or consulted with kru khmer, a traditional birth attendant, or a monk Enter number of times sought health care If '0' >> NEXT PERSON	In the past 30 days, which was the first provider that was consulted for [NAME]'s health? Enter Code (See below) If don't know enter '98'	Ask if answer in Col. 8 is more than 1 In the past 30 days, which was the last / most recent provider that was consulted for [NAME]'s health? Enter Code (See below) If don't know enter '98'	How much in total was spent on transport to go to and return from any health provider in the past 30 days? Write '0' if nothing	How much in total was spent on treatment at any health provider in the past 30 days? Write '0' if nothing
				RIELS (10)	RIELS (11)
(1)	(8)	(9a)	(9b)		
01	Q13BC08	Q13BC09A	Q13BC09B	Q13BC10	Q13BC11
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					

Codes for col. 9a and 9b

Public sector:	Private medical sector:	Not medical sector:
01 = National hospital (PP)	08 = Private hospital	14 = Shop selling drugs/market
02 = Provincial hospital (RH)	09 = Private clinic	15 = Kru khmer/ Magician
03 = District hospital (RH)	10 = Private pharmacy	16 = Monk/religious leader
04 = Health center	11 = Home/Office of trained health worker/nurse	17 = Traditional birth attendant
05 = Health post	12 = Visit of trained health worker/nurse	18 = Other (Specify)
06 = Provincial rehabilitation centre (PRC) or Community based rehabilitation (CBR)	13 = Other private medical (Specify)	
07 = Other public (Specify)		

09HH_S13b_HealthExpenses.sav

14. DISABILITY

Respondent: Head of household or the spouse of the head of household

WEEK 3

Please provide information on all members who usually reside in this household.

ID NUMBER Q14_C01	Does ..[NAME].. have any of the following? Enter the 3 most important 01 = Difficulty seeing 02 = Difficulty hearing 03 = Difficulty speaking 04 = Difficulty moving 05 = Difficulties in feeling or sensing 06 = Psychological or behavioural difficulties 07 = Learning difficulties 08 = Fits 09 = Other (specify) 98 = Don't know Enter '0' if none, (-> NEXT PERSON)			Is the difficulty ... 1 = Mild 2 = Moderate 3 = Severe Enter one code for each of the difficulties reported in Col 2a-2c			What was the cause? 01 = Mine/UXO 02 = Traffic Accident 03 = Work Accident 04 = Disease(s) 05 = Congenital 06 = Fever 07 = Difficulty Delivery 08 = Chemical Accident 09 = Rape 10 = Violent Attack 11 = Domestic Violent 12 = Suicide Attempt 13 = Mental Trauma due to war and other traumatic events 14 = War Injuries 15 = Malnutrition 16 = Burns 17 = Torture 18 = Old Age 19 = Other (specify) 98 = Don't know Enter one code (the most important) for each of the difficulties reported in Col 2a-2c			
	(1)	(2a)	(2b)	(2c)	(3a)	(3b)	(3c)	(4a)	(4b)	(4c)
01	Q14_C02A	Q14_C02B	Q14_C02C	Q14_C03A	Q14_C03B	Q14_C03C	Q14_C04A	Q14_C04B	Q14_C04C	
02										
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
15										

14. DISABILITY (CONTINUED)

Respondent: Head of household or the spouse of the head of household

WEEK 3

Please provide information on all members who usually reside in this household.

ID NUMBER	Does the difficulty/difficulties prevent „[NAME].. from participation or access to any of the following?		
	1 = Education (ask if aged 3 or over) 2 = Housing 3 = Land ownership (ask if aged over 18) 4 = Employment and income generation 5 = Health services 6 = Transport Enter the three most important		
(1)	(5a)	(5b)	(5c)
01	Q14_C05A	Q14_C05B	Q14_C05C
02			
03			
04			
05			
06			
07			
08			
09			
10			
11			
12			
13			
14			
15			

END OF WEEK 3

15. CURRENT ECONOMIC ACTIVITY

Respondents: All household members aged 5 years and older

WEEK 4

ACTIVITY STATUS DURING THE PAST 7 DAYS

Please provide information on all members aged 5 years and older who usually reside in this household. Try to interview the household members individually

ID NUMBER Q15_C01	ID NUMBER OF RESPON- DENT	Did ..[NAME].. do any work at all, even one hour, during the past 7 days, i.e. - worked or helped on a farm, grinding grain, making palm sugar, caring for animals, weaving etc. - worked in a business or workplace (private or public sector, own account or in a business belonging to someone else in your household 1 = Yes (>> 5) 2 = No	Although ..[NAME].. did not work even for one hour during the past 7 days, did ..[NAME].. have a job/activity from which he/she was temporarily absent? (e.g.: absent due to holiday or illness) 1 = Yes 2 = No (>>26)	What was ..[NAME].. 's main occupation/economic activity (primary occupation) during the past 7 days?	
				Occupation description	NIS OCC: CODE
(1)	(2)	(3)	(4)	(5a)	(5b)
01	Q15_C02	Q15_C03	Q15_C04		Q15_C05B
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					

15. CURRENT ECONOMIC ACTIVITY (CONT.)

Respondents: All household members aged 5 years and older

WEEK 4

ACTIVITY STATUS DURING THE PAST 7 DAYS (CONT.)

ID NUMBER	In what kind of industry/business (economic activity) did ..[NAME].. work in his/her main occupation/activity (e.g. agriculture, manufacturing, construction, hotel/restaurant, trade)?	NIS ISIC CODE	Under what type of employer did ..[NAME].. work in his/her main occupation/economic activity?	What was ..[NAME]..s employment status in his/her main occupation/economic activity?
	Industry description			
(1)	(6a)	(6b)	(7)	(8)
01		Q15_C06B	Q15_C07	Q15_C08
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				

15. CURRENT ECONOMIC ACTIVITY (CONT.)

Respondents: All household members aged 5 years and older

WEEK 4

ACTIVITY STATUS DURING THE PAST 7 DAYS (CONT.)

ID NUMBER	If Col. 3 = 1 (Work during the the past 7 days) Otherwise (> 11) How many hours did ..[NAME]..work in his/her main occupation/economic activity during the past 7 days?	How many days did ..[NAME].. work in his/her main occupation/economic activity during the past month?	Besides ..[NAME]..'s main job/activity, how many additional jobs/economic activities did he/she have during the past 7 days? Enter '0' if no more jobs (> 20)	What was ..[NAME]..'s secondary occupation/economic activity during the past 7 days? Note: beggar and sex worker are occupations	NIS OCC: CODE (12b)
	HOURS (9)	DAYS (10)	NO OF JOBS (11)	Occupation description (12a)	
(1)	(9)	(10)	(11)	(12a)	(12b)
01	Q15_C09	Q15_C10	Q15_C11		Q15_C12B
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					

15. CURRENT ECONOMIC ACTIVITY (CONT.)

Respondents: All household members aged 5 years and older

WEEK 4

ACTIVITY STATUS DURING THE PAST 7 DAYS (CONT.)

ID NUMBER	In what kind of industry/business (economic activity) did ..[NAME].. work in his/her secondary occupation/activity (e.g. agriculture, manufacturing, construction, hotel/restaurant, trade)?	NIS ISIC CODE	Under what type of employer did ..[NAME].. work in his/her secondary occupation/economic activity?	What was ..[NAME].. 's employment status in his/her secondary occupation/economic activity?
	Industry description			
(1)	(13a)	(13b)	(14)	(15)
01		Q15_C13B	Q15_C14	Q15_C15
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				

15. CURRENT ECONOMIC ACTIVITY (CONT.)

Respondents: All household members aged 5 years and older

WEEK 4

ACTIVITY STATUS DURING THE PAST 7 DAYS (CONT.)

ID NUMBER	How many hours did ..[NAME].. work in his/her secondary occupation/economic activity during the past 7 days?	How many days did ..[NAME].. work in his/her secondary occupation/economic activity during the past month?	<p>If Col 11 more than 1 (3 or more jobs/economic activities)</p> <p>If Col 11 = 1 (>> Col 19)</p> <p>Besides the hours worked during the past 7 days in ..[NAME]..s main and secondary occupation/economic activity, how many hours did [NAME] work in other jobs/activities during the past 7 days?</p>	How many hours in total did ..[NAME].. work (main + secondary + additional occupations/economic activities) during the past 7 days?	<p>Ask only if Employee (Code 1 in Col 8 - main occupation/economic activity or Col 15 - secondary occupation)</p> <p>How much did ..[NAME].. earn in salary/wages during the last month from all jobs? (In cash or in kind)</p> <p>Write "0" if nothing</p>
	HOURS	DAYS	HOURS	HOURS	RIELS
(1)	(16)	(17)	(18)	(19)	(20)
01	Q15_C16	Q15_C17	Q15_C18	Q15_C19	Q15_C20
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					

15. CURRENT ECONOMIC ACTIVITY (CONT.)

Respondents: All household members aged 5 years and older

WEEK 4

ACTIVITY STATUS DURING THE PAST 7 DAYS (CONT.)

ID NUMBER	Given the total number of hours worked during the past 7 days, would ..[NAME].. like to work less, more or unchanged hours, given that the income would change in a corresponding way? 1 = Less hours 2 = More hours 3 = Unchanged hours (>> NEXT PERSON)	How many hours would ..[NAME].. like to work ...more / ... less?	If Col 21 = 2 (more hours) If Col 21 = 1 (>> NEXT PERSON) Was ..[NAME].. able to (available to) work more hours (stated in Col 19) during the past 7 days or start working more hours within 2 weeks from now (the interview)? 1 = Yes 2 = No	Why did.. [NAME].. work less hours the past 7 days than the hours he/she liked to work? 1 = Temporary illness 2 = Not enough work available 3 = Other reasons	If Col 21 = 2 (more hours) and Col 23 = 1 (available to work more hours) If Col 23 = 2 (>> NEXT PERSON) How long has ..[NAME].. been working less hours than he/she wanted (hours stated in Col 19) and also been available to work more hours? Leave it blank if don't know months and years	
		Col 21 = 2 (more hours) Col 21 = 1 (less hours)			MONTHS	YEARS
(1)	(21)	(22)	(23)	(24)	(25a)	(25b)
01	Q15_C21	Q15_C22	Q15_C23	Q15_C24	Q15_C25A	Q15_C25B
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						

15. CURRENT ECONOMIC ACTIVITY (CONT.)

Respondents: All household members aged 5 years and older

WEEK 4

ACTIVITY STATUS DURING THE PAST 7 DAYS (CONT.)

ID NUMBER	If No work during the past 7 days (Col 3 = 2 and Col 4 = 2) If work (Col 3 = 1 or Col 4 = 1 (>> NEXT PERSON)) Has ..[NAME].. been actively seeking work during the past 4 weeks? 1 = Yes 2 = No (>> 31)	In what ways did ..[NAME].. try to find a work?			Was ..[NAME].. available for work during the past 7 days or available to start working within 2 weeks from now (interview)? 1 = Yes 2 = No	How many hours does ..[NAME].. want to work per week? Write '0' if none	How long has ..[NAME].. been out of work and actively been looking for work?			If Col 26 = 2 (Not actively seeking work) If Col 26 = 1 >> NEXT PERSON Why did [NAME] not actively seek work during the past 4 weeks? 1 = Believes no work is available 2 = Awaiting result of application 3 = Waiting to start new job 4 = Permanent disabled 5 = Illness/desease/injured 6 = Too young, too old, retired 7 = Student 8 = Housekeeping, caring for children, elderly or disabled 9 = Other reasons (specify)
		Enter up to 3 codes					HOURS	MONTHS	YEARS	
(1)	(26)	(27a)	(27b)	(27c)	(28)	(29)	(30a)	(30b)	(31)	
01	Q15_C26	Q15_C25A	Q15_C25B	Q15_C25C	Q15_C28	Q15_C29	Q15_C30A	Q15_C30B	Q15_C31	
02										
03										
04										
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15										

16. USUAL ECONOMIC ACTIVITY

Respondents: All household members aged 5 years and older

WEEK 4

ACTIVITIES IN THE LAST 12 MONTHS

Please provide information on all members aged 5 years and older who usually reside in this household. Try to interview each member personally

ID NUMBER Q16_C01	What were .. [NAME].. main activity during the past 12 months? (More than 6 months or 183 days) 1 = Employed (>>3) 2 = Unemployed but employed any time before (>> 3) 3 = Unemployed and never employed any time before 4 = Home maker 5 = Student 6 = Dependent (infants and children not attending school, work cannot do any work because of permanent disability or illness or old age) 7 = Retired (from service and for most of the time was doing no other work such as cultivation, business, trade etc.) 8 = Rent-receiver or other income receipient 9 = Other (specify) (If 1 and 2 then ask Cols 3 to 7 If 3 - 9 >> Col. 8)	How many months were .. [NAME].. employed during the last 12 months? Round off to nearest month	What was the main occupations/economic activity ..[NAME].. had during the past 12 months? Note: beggar and sex worker are occupations	NIS OCC. CODE
				NUMBER OF MONTHS
(1)	(2)	(3)	(4a)	(4b)
01	Q16_C02	Q16_C03		Q16_C04B
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				

16. USUAL ECONOMIC ACTIVITY (CONTINUED)

Respondents: All household members aged 5 years and older

WEEK 4

ACTIVITIES IN THE LAST 12 MONTHS (CONT.)

ID NUMBER	What was the employment status in ..[NAME].. in his/her main occupation/economic activity? 1 = Employee 2 = Employer 3 = Own account worker 4 = Unpaid family worker (contributing family worker) 5 = Other (specify)	In what kind of economic activity like agriculture, manufacturing, trade etc. did ..[NAME].. work in his/her primary occupation/economic activity during the past 12 months?	NIS ISIC C CODE	Under what type of employer did ..[NAME].. work in his/her main occupation/economic activity? 1 = Government 2 = State owned enterprise 3 = Cambodian enterprise 4 = Foreign enterprise (private) 5 = Non profit institution 6 = Household sector 7 = Embassies, International institutions and foreign aid and development agencies 8 = Other, specify
			Industry description	
(1)	(5)	(6a)	(6b)	(7)
01	Q16_C05		Q16_C06B	Q16_C07
02				
03				
04				
05				
06				
07				
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12				
13				
14				
15				

16. USUAL ECONOMIC ACTIVITY (CONTINUED)

Respondents: All household members aged 5 years and older

WEEK 4

ACTIVITIES IN THE LAST 12 MONTHS (CONT.)

ID NUMBER	All In terms of contribution to income or subsistence , what was the second most important activity ..[NAME].. had during the past 12 months? 01 = None Farming (growing crops) 02 = Unpaid employment (Own account worker or employed in family enterprise) 03 = Paid employment (wage labourer) Livestock farming 04= Unpaid employment (Own account worker or employed in family enterprise) 05 = Paid employment Other activities 06= Fishing 07= Other household-based production or services 08 = Construction 09 = Wholesale or retail trade 10 = Transport 11 = Other paid employment (services lik teaching, cooking, child care, medical etc.)	For employed persons, unemployed but employed any time during the last 12 months and students only (main activity) (Col 2 = 1 or 2 or 5) If Col 2 = 3, 4, 6-9 (>> NEXT PERSON) In what place/Where did ..[NAME].. work or study? 1 = Working at home 2 = Working or schooling in the same district 3 = Working or schooling in another district 4 = Working or schooling across the border of the country
(1)	(8)	(9)
01	Q16_C08	Q16_C09
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		
13		
14		
15		

17. VICTIMIZATION

Respondent: head of household, spouse of the head of household, or of another adult household member

WEEK 4

A HOUSEHOLD SECURITY

Q1	Do you feel safe from crime and violence in this neighborhood?	1 = Yes	2 = No	<input type="text"/>	Q17AQ1
Q2	Do you feel you can rely on local police to protect your family and your property?	1 = Yes	2 = No	<input type="text"/>	Q17AQ2

B VICTIM OF THEFT

09HH_S99_SingleQuestions.sav

Q1 Has this household or any of its members been exposed to theft, burglary or robbery in the last 12 months, that is, since ..[MONTH].. last year?

1 = Yes 2 = No (>> C)

 Q17BQ1

EVENT NUMBER Q17BC01	Who was the victim of the event? COPY ID CODE OF PERSON FROM ROSTER If no specific person enter "88"	In what month did it happen?	Was it...	Was the event reported to some authorities?	Which authority did ..[VICTIM].. report the event to?	Did the event go to court procedure?	How much was lost by this event?
		MONTH	1 = .. Theft? 2 = .. Burglary? 3 = .. Robbery?	1 = Yes 2 = No (>> 7)	1 = Village leader 2 = Police 3 = Other (specify)	1 = Yes 2 = No	RIELS
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Q17BC02	Q17BC03	Q17BC04	Q17BC05	Q17BC06	Q17BC07	Q17BC08
2							
3							
4							

09HH_S17b_Theft.sav

C VICTIM OF ACCIDENTS

Q1 Has anyone in the household had an accident that caused injury in the last 12 months?

1 = Yes 2 = No (>> D)

 Q17CQ1

EVENT # Q17CC01	Who was the victim of the event? COPY ID CODE OF PERSON FROM ROSTER	Where did the accident happen? 1 = At home 2 = At work 3 = In traffic 4 = In sports 5 = At school 6 = Other (specify)	In which month did it happen?	Was the injury so serious that medical care was needed? 1 = Yes 2 = No	How long did it take for the injury to heal? 1 = Less than one week 2 = 1- 2 weeks 3 = 3- 4 weeks 4 = One month or more 5 = Not yet healed
			MONTH		
(1)	(2)	(3)	(4)	(5)	(6)
1	Q17CC02	Q17CC03	Q17CC04	Q17CC05	Q17CC06
2					
3					
4					

09HH_S17c_Accidents.sav

17. VICTIMIZATION (CONTINUED)

D. VICTIM OF VIOLENCE

Ask each household member individually, for children ask their parents

WEEK 4

ID NUMBER	Have you been exposed to any act of violence that caused injury in the last 12 months? 1 = Yes 2 = No (-> NEXT PERSON)	To which kind of violence?			How often have you been exposed in the last 12 months? 1 = Once 2 = Twice 3 = Three times 4 = 4-9 times 5 = 10 or more times	Was any event reported to some authorities? 1 = Yes 2 = No (-> 8)	Which authority did you report the event(s) to? 1 = Village leader 2 = Police 3 = Other (specify)	Did any event go to court procedure? 1 = Yes 2 = No	Was this act of violence committed by some unknown or by someone known to you? Refer to the most serious event 1 = Unknown person(s) - male 2 = Unknown person(s) - female 3 = Known person(s) - male 4 = Known person(s) - female 5 = Other (specify)	Was the injury so serious that medical care was needed? 1 = Yes 2 = No	How long did it take for the injury to heal? 1 = Less than one week 2 = 1- 2 weeks 3 = 3- 4 weeks 4 = One month or more
		01 = Push you, shake you, or throw something at you. 02 = Twist your arm. 03 = Punch you with a fist or with something that could hurt you. 04 = Kick you or drag you. 05 = Try to strangle you or burn you. 06 = Attack you with a knife, gun or other type of weapon 07 = Rape, forced to have sexual intercourse when you did not want to 08 = Slap/Strike/Beat you with hand 09 = Slap/Strike/Beat you with object 10 = Rob you 11 = Other (specify)	(3a)	(3b)							
(1)	(2)	(3a)	(3b)	(3c)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
01	Q17DC02	Q17DC03A	Q17DC03B	Q17DC03C	Q17DC04	Q17DC05	Q17DC06	Q17DC07	Q17DC08	Q17DC09	Q17DC10
02											
03											
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15											

END OF WEEK 4

18. SUMMARY OF PRESENCE IN THE HOUSEHOLD

DURING MONTH

ID NUMBER Q18_C01	DAYS 1 - 7				DAYS 8 - 14			
	Was .[NAME].. present all the first 7 days?	How many of the first 7 days has .[NAME].. been present in the household?	Were .[NAME].. s consumption expenditures recorded in the diary?	How much were .[NAME].. consumption expenditures while he/she was absent from home during the first 7 days?	Was .[NAME].. present all the second 7 days?	How many of the second 7 days has .[NAME].. been present in the household?	Were .[NAME].. s consumption expenditures recorded in the diary?	How much were .[NAME].. consumption expenditures while he/she was absent from home during the second 7 days?
	1 = Yes (>> Next person) 2 = No		1 = Yes (>> Next person) 2 = No		1 = Yes (>> Next person) 2 = No		1 = Yes (>> Next person) 2 = No	
		No of days		RIELS		No of days		RIELS
(1)	(2a)	(2b)	(2c)	(2d)	(3a)	(3b)	(3c)	(3d)
01	Q18_C02A	Q18_C02B	Q18_C02C	Q18_C02D	Q18_C03A	Q18_C03B	Q18_C03C	Q18_C03D
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18. SUMMARY OF PRESENCE IN THE HOUSEHOLD (CONTINUED)

DURING MONTH

ID NUMBER	DAYS 15 - 21				DAYS 22 >>			
	Was .[NAME].. present all the third 7 days?	How many of the third 7 days has .[NAME].. been present in the household?	Were .[NAME].. s consumption expenditures recorded in the diary?	How much were .[NAME].. consumption expenditures while he/she was absent from home during the third 7 days?	Was .[NAME].. present the rest of the month?	How many of the rest of the month has .[NAME].. been present in the household?	Were .[NAME].. s consumption expenditures recorded in the diary?	How much were .[NAME].. consumption expenditures while he/she was absent from home during the rest of the month?
	1 = Yes (>> Next person) 2 = No		1 = Yes (>> Next person) 2 = No		1 = Yes (>> Next person) 2 = No		1 = Yes (>> Next person) 2 = No	
		No of days		RIELS		No of days		RIELS
(1)	(4a)	(4b)	(4c)	(4d)	(5a)	(5b)	(5c)	(5d)
01	Q18_C04A	Q18_C04B	Q18_C04C	Q18_C04D	Q18_C05A	Q18_C05B	Q18_C05C	Q18_C05D
02								
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Appendix 2

Codebook of CSES 2009

- Regarding variable codes of file number 03 to 41 (S01A.hhmembers to S18.presenseinhh, please refer to Appendix 1 Household questionnaire with variable names.
- Codebook was prepared for the next data files.

No	Data file	Description
1	dy_expenditure	Diary micro data
2	dy_income	Diary micro data
42	S99_singlequestions	
43	weighthh	
44	weightpersons	
45	IncomeCSES09	Household summary of income
46	hhexp	Household summary of expenditure compiled by the author

Identification part

Variable	Description	Remarks
hhid	Household identifier	100101-2400320
persid	Person identifier	10010101-240032005
province	Province code	01– Banteay Meanchey 02– Battambang 03– Kampong Cham 04– Kampong Chhnang 05– Kampong Speu 06– Kampong Thom 07– Kampot 08– Kandal 09– Koh Kong 10– Kratie 11– Mondul Kiri 12– Phnom Penh 13– Preah Vihear 14– Prey Veng 15– Pursat 16– Ratanak Kiri 17– Siem Reap 18– Preah Sihanouk 19– Stung Treng 20– Svay Rieng 21– Takeo 22– Otdar Meanchey 23– Kep 24– Pailin
urbanrural	Urban / rural	1=Urban, 2=Rural
weight	Household weight (original)	45.06-591.08
hhsiz	Household size	1-15
weight3		
psu	PSU	1001-24003
stratum		11-242
surveymonth	Survey month	1-12

region	Region code	1=Phnom Penh, 2=Other urban, 3=Other rural
year	Survey year	= 2009
persid_string	persid in 9-digit string (original)	leading zeros removed in resampled data
hhid_string	hhid in 7-digit string (original)	leading zeros removed in resampled data

Data file: dy_expenditure

Variable	Description	Remarks
pkid	Unique id in the data file	1 to 2637002
hhid	Household id	hhid=0100309 is missing.
Lineid	the page number plus the line number	101 to 5014
DiaryExp_Q2	DATE (DD/MM)	
DiaryExp_Q5	CODE OF UNIT	
DiaryExp_Q6	QUANTITY	
DiaryExp_Q7	VALUE IN RIELS	
DiaryExp_Q8	FORM OF ACQUISITION	1=Paid in cash 2=Paid in kind 3=Purchased on credit 4=Gift received 5=Stock of own-produced
DiaryExp_Q9	ORIGIN	1 = Household production 2 = Produced in Cambodia 3 = Imported from abroad 4 = Don't know the origin 5 = No product
DiaryExp_Q10	PURPOSE	01 = Own household consumption 02 = For agricultural production 03 = For manufacturing production 04 = For mining production 05 = For services production 06 = For other household production 07 = Gifts & remittances to other households 08 = Offerings, donations, charities, etc. 09 = Interests 10 = Payback of loans 11 = Taxes 12 = Other (specify)
DiaryExp_Q11	ITEM CODE	4 digits

Data file:dy_income

Variable	Description	Remarks
pkid	Unique id in the data file	1 to 883728
hhid	Household id	hhid=0100309 is missing.
Lineid	the page number plus the line number	0-9904
DiaryInc_Q2	DATE (DD/MM)	
DiaryInc_Q5	CODE OF QUANTITY	
DiaryInc_Q6	QUANTITY	
DiaryInc_Q7	VALUE IN RIELS	
DiaryInc_Q8	TYPE OF INCOME	1=In cash 2=In kind 3=Bartered
DiaryInc_Q9	KIND OF INCOME	01 = Wage or salary (in cash or kind) 02 = Agricultural or forestry production or sales 03 = Fishing or hunting production or sales 04 = From mining production 05 = Sales of manufactured products 06 = Receipts from services rendered 07 = Received as gift 08 = Remittances received 09 = Pensions or other social assistances 10 = Study support in cash or kind (Scholarships, stipends or other) 11 = Dividends, interests, commissions, rents etc. 12 = Receipts from sale of possessions/own property 13 = Withdrawals from savings/loans obtained 14 = Payback of loans 15 = Windfall gains/inheritance 16 = Tax refunds 17 = Maturity payment on insurance policies 18 = Lump-sum compensation for injury, legal damages received 19 = Other (specify)
DiaryInc_Q10	ITEM CODE	

Data file: IncomeCSES2009

Variable	Description	Remarks
hhid	Household identifier	
adjdisp	Disposable income per household	Yearly income in Riels
adjdispcapita	Disposable income per capita	Yearly income in Riels
adjtotalincome	Total income per household	Yearly income in Riels

(*) The weighted mean of the above variables are compatible with the figures in the survey report.

Data file: hhexp

(Note: This file was generated by the author.)

Variable	Description	Remarks
hhid	Household identifier	
food		Items 01 to 15, 18 to 20
alcohol		16(Alcoholic beverages), 17(Tobacco products)
clothing		5(Clothing & footwear), 11(personal effects)
housing		
furnishing		6
health		1(Medical care)
transportation		2
communication		3
recreation		8(Recreation within Cambodia), 9(Recreation abroad)
education		10
miscellaneous		13(Miscellaneous items), 4(Personal care)
domsalary		7(Domestic salaries)
total	Monthly consumption per household (*) in Riels	= sum of the aboves
foodshare		= (food+alcohol) / total

(*) The weighted mean of “total” is compatible with the figures in the survey report.

Data file: S99_singlequestions

Variable	Description	Remarks
hhid	Household ID	
q01bq1	Did your household run any business, e.g. agriculture production (farming), producing goods, service etc.?	1 = Yes 2 = No
q03bq1	In addition to the persons living in your household are there any other persons (spouses or son/daughter), 15 years and older, who previously has been a member of your household but no longer are living in this household?	1 = Yes 2 = No
q05aq1a	Has the household sold any open land in the last 12 months?	1 = Yes 2 = No
q05aq1b	What was the primary reason/purpose for which you sold the land?	1 = To address family health issues 2 = Invest in business 3 = To weed or buy farm equipment or for other agricultural activities 4 = To pay debt 5 = To buy motor bike or cell phone or for other household consumption needs 6 = Rituals (marriage ceremony, funeral etc.) 7 = Other (specify)
q05aq2	Does anyone in your household own or operate any land that is used / could be used for vegetable gardening, agricultural or farming activities (crop cultivation, livestock raising or private forestry)?	1 = Yes 2 = No
q05aq3	How many plots does your household own or operate?	
q05bq1	Did your household produce any crops including fruits and vegetables during the past wet-season or the past dry-season?	1 = Yes 2 = No
q05dq1	Did your household have any crops in storage December 31 last year?	1 = Yes 2 = No
q05eq1	Has your household or anyone in your household had any livestock in the past 12 months?	1 = Yes 2 = No

q05fq1	Did your household or anyone in your household raise fish (or any other aquatic product like frogs or crocodiles) during the past 12 months?	1 = Yes 2 = No
q05fq2	Does your household or anyone in your household own or operate a pond for fish or shrimp culture?	1 = Yes 2 = No
q05fq3	Did your household or anyone in your household catch fish, shrimp, crabs, oysters, etc. during the past 12 months?	1 = Yes 2 = No
q05gq1	Did anyone in your household collect firewood, charcoal, timber or other forest products during the past 12 months?	1 = Yes 2 = No
q05gq2	Did anyone in your household collect palm juice, root crops, herbs, honey or hunt wild animals or birds during the past 12 months?	1 = Yes 2 = No
q05hq1	Did anyone in your household run an enterprise or business during the past 12 months?	1 = Yes 2 = No
q06_q1	Q1 Does your household have outstanding debts to other households or institutions?	1 = Yes 2 = No
q08_q1	Does the household own its own dwelling or any other building(s) used for residential, agricultural, commercial or industrial purposes?	1 = Yes 2 = No
q10_q1	Are there any women living in the household with living children under 5 years old?	1 = Yes 2 = No
q11_q1	Check in the household list if there are any children 00-23 months old living in the household?	1 = Yes 2 = No
q12_q1	Check in the household list if there are any children 00-59 months old living in the household?	1 = Yes 2 = No
q13aq1	In the last 12 months, has any member of the household received free or subsidized health care that other people would normally have to pay for?(including private health insurance)	1 = Yes 2 = No 8 = Don't know
q13aq2a	How (1st) did they obtain this free / subsidized treatment?	1 = Household Priority Access Card, Equity Card, or other document that allows free or subsidized health care 2 = Name(s) are on a List of Poor Households held by the local authorities

		<p>3 = Health facility staff asked them questions from a list / filled out a form before treatment</p> <p>4 = Health facility staff provided free treatment (without asking questions or filling out a form)</p> <p>5 = Have private health insurance</p> <p>6 = Belong to community health insurance scheme</p> <p>7 = Other (specify)</p> <p>8 = Don't know</p>
q13aq2b	How (2nd) did they obtain this free / subsidized treatment?	Same as q13aq2a
q13aq2c	How (3rd) did they obtain this free / subsidized treatment?	Same as q13aq2a
q13aq3	When they received free / subsidized treatment, were they treated the same as other people who were paying for their healthcare?	<p>1 = Yes, always treated the same</p> <p>2 = Yes, most times treated the same</p> <p>3 = Sometimes yes, sometimes no</p> <p>4 = No, most times not treated the same</p> <p>5 = No, never treated the same</p> <p>8 = Don't know</p>
q13aq4	Do you or any member of the household have a Priority Access Card, Equity Card, or any other document that allows free or subsidized health care?	<p>1 = Yes</p> <p>2 = No</p> <p>8 = Don't know</p>
q17aq1	Do you feel safe from crime and violence in this neighborhood?	<p>1 = Yes</p> <p>2 = No</p>
q17aq2	Do you feel you can rely on local police to protect your family and your property?	<p>1 = Yes</p> <p>2 = No</p>
q17bq1	Has this household or any of its members been exposed to theft, burglary or robbery in the last 12 months	<p>1 = Yes</p> <p>2 = No</p>
q17cq1	Has anyone in the household had an accident that caused injury in the last 12 months?	<p>1 = Yes</p> <p>2 = No</p>

Data file: weighthh

Variable	Description	Remarks
hhid	Household identifier	
weight	Household weight (original)	
hhsiz	Household size	
weight3		=weight*hhsiz
HW	Adjusted household weight	= weight / 0.8

Data file: weightpersons

Variable	Description	Remarks
hhid	Household identifier	
persid	Individual identifier	
weight	Household weight (original)	
hhsiz	Household size	
weight3		=weight*hhsiz
persweight	Person weight (original)	
HW	Adjusted household weight	= weight / 0.8
PW	Adjusted person weight	= persweight / 0.8

Income Composition CSES 2009

When Diary in the beginning of the Variable name data is collected in Diary, otherwise it is collected through Recall method.

Negative transfers are calculated from Diary data on Expenditure.

Variable	SQL-table	Rule	Note: Question number in Questionnaire and Diary
Salary	vPersonEcoCurrent	SalaryWages *12 Sum HHID	House-hold Q15C20
CostCrop	vHHCostCultivation- Crops	Total3_15	Q05CC16
CostLivestock	vHHLivestock1 vHHLivestock2	TotalPaidBought12Months + AmountInRiels	Q05E1C10 Q05E2C03
CostFish	vHHFish- Cultivation1 vHHFish- Cultivation2	MonthlyRentPond*12 + AmountSpent	Q05F1C05 Q05F2C03
CostForestry	vHHForestry- Hunting2	ExpActivity12M	Q05G2C03
ReceiptCrop	vHHProductionCrops	(ProducedOrHarvested - PostHarvestLoss) * SalesPriceCropsProduced	Q05BC06 Q05BC07 Q05BC09
ReceiptLivestock	vHHLivestock1	ValueSoldPast12Months + (ConsumedInHHPast12Months + UseForBarterGiftCharity + ValueLivestockProductsSold + ValueLivestockProductsConsumed + ValueLivestockUsedAsGifts)	Q05E1C09 Q05E1C11 -C15
ReceiptFish	vHHFish- Cultivation3	AmountReceived	Q05F3C03
ReceiptForestry	vHHForestry- Hunting1	TotalAmountRiels	Q05G1C06
AgriIncome		(ReceiptCrop + ReceiptLivestock + ReceiptFish + ReceiptForestry) minus (CostCrop + CostLivestock + CostFish + CostForestry + InterestPaidAgri)	(see below)
CostNonAgri	vHHNonAgri- culture2	(Activity1 + Activity2 + Activity3 + Activity4 + Activity5) + InterestPaidNonAgri	Q05H2C03-C07 (see below)

ReceiptNonAgri	vHHNonAgri-culture3	(Activity1 + Activity2 + Activity3 + Activity4 + Activity5) If RevenueNumber is not 13	Q05H2C03-C07 Q05H3C01 13 is separate
NonAgrilIncome		ReceiptNonAgri minus CostNonAgri	
IncomeOwn House	vHHConstruction vHHLiabilities	3% of (HowMuchToBuyBuilding - (RemainingLoan/1+ MonthlyRateInterest)) If PrimaryPurposeBorrMoney = 7	Q08_C05 Q06_C07 Q06_C08 Q06_C05
BankInterest	vHHIncomeOther-Source	AmountRielsTotal If SourceNumber = 7	Q07_C05 Q07_C01
InterestOther-Loans	vHHIncomeOther-Source	AmountRielsTotal If SourceNumber = 9	Q07_C05 Q07_C01
Dividends	vHHIncomeOther-Source	AmountRielsTotal If SourceNumber = 8	Q07_C05 Q07_C01
RentFromLand	vHHNonAgriculture3	(Activity1 + Activity2 + Activity3 + Activity4 + Activity5) If RevenueNumber = 13	Q05H2C03-C07 Q05H3C01
GrossProperty-Income		BankInterest + InterestOtherLoans + Dividends + RentFromLand	
InterestPaid-Agri	vHHLiabilities	MonthlyRateInterest * RemainingLoan/(100+ MonthlyRateInterest) If PrimaryPurposeBorrMoney = 1	Q06_C08 Q06_C07 Q06_C08 Q06_C05 2004: 3.5% * Amount Money Borrowed
InterestPaid-NonAgri	vHHLiabilities	MonthlyRateInterest * RemainingLoan/(100+ MonthlyRateInterest) If PrimaryPurposeBorrMoney = 2	Q06_C08 Q06_C07 Q06_C08 Q06_C05
InterestPaid-OwnOccupied	vHHLiabilities	MonthlyRateInterest * RemainingLoan/(100+MonthlyRateInterest) If PrimaryPurposeBorrMoney = 7	Q06_C08 Q06_C07 Q06_C08 Q06_C05
InterestPaid Net	vHHLiabilities	MonthlyRateInterest * RemainingLoan/(100+ MonthlyRateInterest) If PrimaryPurposeBorrMoney = 3-6, 8-10	Q06_C08 Q06_C07 Q06_C08 Q06_C05

PropertyIncome		GrossPropertyIncome - InterestPaidNet	
PrimaryIncome		Salary + AgriIncome + NonAgriIncome + IncomeOwnHouse + PropertyIncome	
PensionDomestic	vHHIncomeOther-Source	WithinCambodia If SourceNumber = 1	Q07_C03 Q07_C01
PensionAbroad	vHHIncomeOther-Source	FromAbroad If SourceNumber = 1	Q07_C04 Q07_C01
Pension		PensionDomestic + PensionAbroad	
NGOtransfers	vHHIncomeOther-Source	AmountRielsTotal If SourceNumber = 5	Q07_C05 Q07_C01
RemittanceDomestic	vHHIncomeOther-Source	WithinCambodia If SourceNumber = 2 + Q03BC12 if Q03BC05B > 0	Q07_C03 Q07_C01 Q03BC12 Q03BC05B
RemittanceAbroad	vHHIncomeOther-Source	FromAbroad If SourceNumber = 2 + Q03BC12 if Q03BC05C > 0	Q07_C04 Q07_C01 Q03BC12 Q03BC05C
TotalPrivateTransfers		RemittanceDomestic + RemittanceAbroad	
ScholarshipGovernment	vHHIncomeOther-Source	AmountRielsTotal If SourceNumber = 3	Q07_C05 Q07_C01
ScholarshipNGO	vHHIncomeOther-Source	AmountRielsTotal If SourceNumber = 4	Q07_C05 Q07_C01
TotalScholarship		ScholarshipGovernment + ScholarshipNGO	
Gifts	vHHIncomeOther-Source	AmountRielsTotal If SourceNumber = 10, 11	Q07_C05 Q07_C01
OtherTransfer	vHHIncomeOther-Source	AmountRielsTotal If SourceNumber = 12	Q07_C05 Q07_C01
TotalTransfers		TotalPrivateTransfers + TotalScholarship + Gifts + OtherTransfer + NGOtransfers + Pension	
TotalIncome		PrimaryIncome + TotalTransfers	

<i>DiaryTaxes</i>	vDiary- Expenditure	Value * 12 If Purpose = 9	Diary- Exp_Q7, Diary- Exp_Q10 Cannot be calc. from Recall
<i>DiaryInterHHtransfers</i>	vDiary- Expenditure	Value * 12 If Purpose = 7 and Acquisition = 1,2	Diary- Exp_Q7, Diary- Exp_Q10 Cannot be calc. from Recall
<i>DiaryCashTransferChar</i>	vDiary- Expenditure	Value * 12 If Purpose = 8 and Acquisition = 1	Diary- Exp_Q7, Diary- Exp_Q10 Cannot be calc. from Recall
<i>DiaryTotalNegative Transfers</i>		<i>DiaryTaxes + DiaryInterHHtransfers + DiaryCashTransferChar</i>	
<i>DisposableIncome</i>		<i>TotalIncome</i> minus <i>DiaryTotalNegativeTransfers</i>	

Adjustment and correction in Household Income

This text is quoted from the draft mission report from a short term mission on Household Income carried out 11-22 October.

The adjustment and corrections described below have only been done in the tabulation file, not in the file sent to you.

Dealing with negative income

There are no rules for depreciations in Cambodia, i.e. how to make expenditures for investments divided into several years. It's not unusual for households to have deficits or negative incomes. Some 4 percent of the households have negative incomes. This problem has been dealt with in a rough way by replacing the negative numbers with 4000 riels. This method was recommended by Swedish income expert who has been on several short-terms missions to Cambodia in the past few years.

The replacement of negative incomes has a great influence of the results. Before any adjustments the Gini-coefficient for Cambodia is 0,812. After adjusting for negative values the Gini-coefficient drops to 0,638. Mean values, deciles and quintiles are also affected by this adjustment.

Outliers, top incomes

The results are very sensitive not only to negative incomes but the incomes in the very top of the distribution. During the mission we corrected three households with extreme high incomes. We found that there were miscalculations done that resulted in extreme high incomes. The correction of these three households had a great impact on the results.

New Rules for Expenditure Composition CSES 2009 - Yearly Exp

These variables are calculated by using Recall data from the CSES household questionnaire.

Variable	SQL-table/Module in questionnaire	Rule	Note
Food and non-alcoholic beverages 01		Sum Bread and Cereals + Meat and poultry + Fish and seafood + Eggs and diary products + Oil and fats + Fruits, nuts and edible seeds + Fresh vegetables + Tubers, pulses and prepared/preserved vegetables + Sugar, salt, other seasonings and other food products + Non-alcoholic beverages + Food out of home/Take-home food	
<i>Bread and Cereals 0111</i>	vHHFoodConsumption	FoodTotalConsumption * 52 If FoodItemCode = 01	Last 7 days
<i>Meat and poultry 0112</i>	vHHFoodConsumption	FoodTotalConsumption * 52 If FoodItemCode = 03	Last 7 days
<i>Fish and seafood 0113</i>	vHHFoodConsumption	FoodTotalConsumption * 52 If FoodItemCode = 02	Last 7 days
<i>Eggs and diary products 0114</i>	vHHFoodConsumption	FoodTotalConsumption * 52 If FoodItemCode = 04, 05	Last 7 days
<i>Oil and fats 0115</i>	vHHFoodConsumption	FoodTotalConsumption * 52 If FoodItemCode = 06	Last 7 days
<i>Fruits, nuts and edible seeds 0116</i>	vHHFoodConsumption	FoodTotalConsumption * 52 If FoodItemCode = 11,12	Last 7 days
<i>Fresh vegetables 0117a</i>	vHHFoodConsumption	FoodTotalConsumption * 52 If FoodItemCode = 07	Last 7 days
<i>Tubers, pulses and prepared/preserved vegetables 0117b</i>	vHHFoodConsumption	FoodTotalConsumption * 52 If FoodItemCode = 08, 09, 10	Last 7 days

<i>Sugar, salt, other seasonings and other food products</i> 0118	vHHFoodConsumption	FoodTotalConsumption * 52 If FoodItemCode = 13, 18	Last 7 days
<i>Non-alcoholic beverages</i> 0120	vHHFoodConsumption	FoodTotalConsumption * 52 If FoodItemCode = 14,15	Last 7 days
<i>Food out of home/ Take-home food</i> 0130	vHHFoodConsumption	FoodTotalConsumption * 52 If FoodItemCode = 19, 20	Last 7 days
Alcoholic Beverages and Tobacco 02		Sum Alcoholic beverages + Tobacco	
<i>Alcoholic beverages</i> 0210	vHHFoodConsumption	FoodTotalConsumption * 52 If FoodItemCode = 16	Last 7 days
<i>Tobacco</i> 0220	vHHFoodConsumption	FoodTotalConsumption * 52 If FoodItemCode = 17	Last 7 days
Clothing and footwear 0300	vHHRecallNonFood	TotalExpenditure * 2 If RowNo = 05	Last 6 month
Housing, water, electricity, gas and other fuels (utilities) 04		Sum Actual rent + Rental value of owner-occupied housing + Maintenance and repair + Water supply and miscellaneous services related to the dwelling + Electricity, gas and other fuels	
Actual rent 0410	vHHHousing	PayForRentThisHouse * 12	Per month
Rental value of owner-occupied housing 0420	vHHHousing	PayPerMonthToRentDwelling * 12	Per month
Maintenance and repair 0430	vHHHousing	RepairDwelling * 12	Last month
Water supply and miscellaneous services related to the dwelling 0440	vHHHousing	(ChargeOfWaterLastMonth + SpendForSewage + SpendForGarbage) * 12	Last month
Electricity, gas and other fuels 0450	vHHHousing	(SpendElectricity + SpendGasLPG + SpendKerosene + SpendFirewood + SpendCharcoal + SpendBattery + SpendOther) * 12	Last month

Furnishings equipment and maintenance 05		Sum Furnishings, household equipment and operations + Domestic salaries	
Furnishings, household equipment and operations 0500	vHHRcallNonFood	TotalExpenditure If RowNo = 06	Last 12 month
Domestic salaries 0560	vHHRcallNonFood	TotalExpenditure If RowNo = 07	Last 12 month
Health 0600	vHHRcallNonFood	TotalExpenditure * 12 If RowNo = 01	Last month
Transportation 0700	vHHRcallNonFood	TotalExpenditure * 12 If RowNo = 02	Last month
Communication 0800	vHHRcallNonFood	TotalExpenditure * 12 If RowNo = 03	Last month
Recreation and culture 0900	vHHRcallNonFood	TotalExpenditure If RowNo = 08, 09	Last 12 month
Education 1000	vHHRcallNonFood	TotalExpenditure If RowNo = 10	Last 12 month
Miscellaneous goods and services 12		Sum Personal care + Personal effects + Insurance, financial services + Other miscellaneous services	
Personal care 1210	vHHRcallNonFood	TotalExpenditure * 12 If RowNo = 04	Last month
Personal effects 1230	vHHRcallNonFood	TotalExpenditure If RowNo = 11	Last 12 month
Other miscellaneous services (items) 1270	vHHRcallNonFood	TotalExpenditure If RowNo = 13	Last 12 month
Total expenditure		Sum Food and non-alcoholic beverages + Alcoholic Beverages and Tobacco + Clothing and footwear + Housing, water, electricity, gas and other fuels + Furnishings equipment and maintenance + Health + Transportation + Communication + Recreation and culture + Education + Miscellaneous goods and services	Not calculated in the file

***In SuperCross:
Build in Summation of Values /
Households /
Household expenditures***

<i>Combined expenditure in Riels</i>		Sum 01 (Food and non-alcoholic beverages) + 02 (Alcoholic Beverages and Tobacco) + 03 (Clothing and footwear) + 04 (Housing, water, electricity, gas and other fuels) + 05 (Furnishings equipment and maintenance) + 06 (Health) + 07 (Transportation) + 08 (Communication) + 09 (Recreation and culture) + 10 (Education) + 12 (Miscellaneous goods and services)	
<i>Food expenditures in Riels</i>		01 (Food and non-alcoholic beverages)+ 0210 (Alcoholic Beverages)	
<i>Non food expenditures in Riels</i>		0220 (Tobacco) + 03 (Clothing and footwear) + 04 (Housing, water, electricity, gas and other fuels) + 05 (Furnishings equipment and maintenance) + 06 (Health) + 07 (Transportation) + 08 (Communication) + 09 (Recreation and culture) + 10 (Education) + 12 (Miscellaneous goods and services)	