

Users' Manual for Handling Resampled Micro Data of
Vietnamese Household Living Standard Survey
(VHLSS)

VHLSS 2010

(Version 1.0)

2017

The Institute of Statistical Mathematics (ISM)
and

Statistical Information Institute for Consulting and Analysis (SINFONICA)

History of revision of the manual

- ☐ .Version 1.0: Finalized in January 2017 based on the discussion during the Workshop in December 2016.
- ☐ Provisional version in November 2016 for the Workshop in December 2016.

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1. About this Manual

1. This manual was prepared for users to use the next 80% resampled micro data sets of Vietnamese Household Living Standard Survey (VHLSS) 2010.

CSV format				
[1]	"hhxpe10_80.csv"	"muc1a_80.csv"	"muc1b_80.csv"	"muc2_80.csv"
[5]	"muc3a_80.csv"	"muc3b_80.csv"	"muc4a_80.csv"	"muc4b0_80.csv"
[9]	"muc4b11_80.csv"	"muc4b12_80.csv"	"muc4b13_80.csv"	"muc4b14_80.csv"
[13]	"muc4b15_80.csv"	"muc4b16_80.csv"	"muc4b17_80.csv"	"muc4b21_80.csv"
[17]	"muc4b22_80.csv"	"muc4b31_80.csv"	"muc4b32_80.csv"	"muc4b41_80.csv"
[21]	"muc4b42_80.csv"	"muc4b51_80.csv"	"muc4b52_80.csv"	"muc4c1_80.csv"
[25]	"muc4c2_80.csv"	"muc4d_80.csv"	"muc5a1_80.csv"	"muc5a2_80.csv"
[29]	"muc5b1_80.csv"	"muc5b2_80.csv"	"muc5b3_80.csv"	"muc6_80.csv"
[33]	"muc6b_80.csv"	"muc7_80.csv"	"muc8_80.csv"	"muc8vayno_80.csv"
[37]	"ttchung_80.csv"			
R format				
[1]	"hhxpe10_80"	"muc1a. 80"	"muc1b. 80"	"muc2. 80"
[6]	"muc3b. 80"	"muc4a. 80"	"muc4b0. 80"	"muc4b11. 80"
[11]	"muc4b13. 80"	"muc4b14. 80"	"muc4b15. 80"	"muc4b16. 80"
[16]	"muc4b21. 80"	"muc4b22. 80"	"muc4b31. 80"	"muc4b32. 80"
[21]	"muc4b42. 80"	"muc4b51. 80"	"muc4b52. 80"	"muc4c1. 80"
[26]	"muc4d. 80"	"muc5a1. 80"	"muc5a2. 80"	"muc5b1. 80"
[31]	"muc5b3. 80"	"muc6. 80"	"muc6b. 80"	"muc7. 80"
[36]	"muc8vayno. 80"	"ttchung. 80"		

Note: ~~hhxpe10_80~~ will not be provided.

2. The overall of VHLSS was described in the manual on "VHLSS – Overall and Survey Process", separately.

3. The original micro data sets composed of all the samples were provided by NSO, Viet Nam based on the Charter for Experimental Laboratory for Research Purpose Statistical Use of Micro Data, and resampled at the rate of 80% by Sinfonica.

4. This manual was first compiled in January 2017 by;

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Acknowledgements

Special thanks to Ms. Van Nghiem, GSO, Vietnam, who assisted my work of compiling the manuals by properly answering to my queries via email.

2. Outline of VHLSS 2010

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

Objectives of the survey	To evaluate living standards for policy-making and socio-economic development planning, in order to systematically monitor and supervise the living standards of different population groups in Viet Nam; to monitor and evaluate the implementation of the Comprehensive Poverty Reduction and Growth Strategy; and to contribute to the evaluation of achievement of the Millennium Development Goals (MDGs) and Vietnam's socio-economic development goals.
Topics covered by the survey	The income and expenditure survey covered the following topics; ● Some basic demographic characteristics related to living standards ● Education ● Health and health care ● Employment and income ● Expenditure ● Housing, electricity, water, sanitation facilities and durable goods ● Poverty reduction ● Participation in poverty reduction programs
Frequency of the survey	Every two years from 2002 to 2010
Survey period	● The survey collected information during four periods, each period in one quarter from the second quarter to the fourth quarter in 2010 and one period in the first quarter of 2011. ● The reference period of household income and expenditure was the last 12 months.
Coverage of the survey	● Geographically, the survey covered the whole country. Scope of the survey included all selected enumeration areas and communes in 64 provinces and cities under central management. ● The target population comprised the civilian, non-institutional population.
Sample design	● Three-stage stratified design Master sample based on 1999 Population Census Strata: province and urban/rural PSU: 3,132 communes/wards were selected. SSU: 3,133 enumeration areas. 3 EA were selected within PSU. Only one of EA was used for each year of VHLSS survey, with the exception of one

	PSU. FSU: household ● Sample size In total 69,360 households. 22,365 households were asked about income; 37,596 households were asked about income and other issues; 9,399 households were asked about income, expenditure and other issues. ● The income and expenditure survey was designed to assess living standards at national and regional level.
Data collection method	● Face-to-face interviews.
Data entry and data check	No description
Publication	“Result of The Vietnam Household Living Standards Survey 2010”

3. Data and metadata provided

[VHLSS 2010]

Note: The data set for 9,399 households asked about income, expenditure and other issues was provided by NSO.

◆ Household data files

File names in STATA format;			
[1] "hhexpe10.dta"	"muc1a.dta"	"muc1b.dta"	"muc2.dta"
[5] "muc3a.dta"	"muc3b.dta"	"muc4a.dta"	"muc4b0.dta"
[9] "muc4b11.dta"	"muc4b12.dta"	"muc4b13.dta"	"muc4b14.dta"
[13] "muc4b15.dta"	"muc4b16.dta"	"muc4b17.dta"	"muc4b21.dta"
[17] "muc4b22.dta"	"muc4b31.dta"	"muc4b32.dta"	"muc4b41.dta"
[21] "muc4b42.dta"	"muc4b51.dta"	"muc4b52.dta"	"muc4c1.dta"
[25] "muc4c2.dta"	"muc4d.dta"	"muc5a1.dta"	"muc5a2.dta"
[29] "muc5b1.dta"	"muc5b2.dta"	"muc5b3.dta"	"muc6.dta"
[33] "muc6b.dta"	"muc7.dta"	"muc8.dta"	"muc8vayno.dta"
[37] "ttchung.dta"	"weight10.dta"		

◆ Questionnaire

Household Questionnaire for Income & Expenditure Survey in English	
[1] "Can_doi (tn-ct)-ENG.xls"	"Muc01_1Bnew_En.xls"
[3] "Muc02_1Bnew_Erev.xls"	"Muc03_1Bnew_Erev.xls"
[5] "Muc04_1Bnew_Erev.xls"	"Muc05_1Bnew_Erev.xls"
[7] "Muc06_1Bnew_En.xls"	"Muc07_1Bnew_Erev.xls"
[9] "Muc08_1Bnew_ENG.xls"	

Remarks: The file "Muc0x" corresponds to section 0x.

"Can_doi(tn-ct)-ENG.xls" includes some computing indicators from results of household interviews.

◆ Codebook was not included in the metadata provided by NSO, but later prepared by Ms. Van.

Codebook_2010.xls	Describes variable name, topics, scope, length, code and description in each sheet of dataset
-------------------	---

◆ Code of ethnicity, province, occupation and industry

The following lists of classification are available in the questionnaire.

- List of ethnicity code
- List of province code
- List of industry code
- List of occupation code

◆ Survey results

Survey report of VHLSS 2010	Result of The Vietnam Household Living Standards Survey 2010
Content of the report	Part A: Living standards through results of VHLSS 2010 I. Overview of the VHLSS 2010 II. Survey results 1. Some basic demographic characteristics related to living standards 2. Education 3. Health and health care 4. Employment and income 5. Expenditure 6. Housing, electricity, water, sanitation facilities and durable goods 7. Poverty reduction 8. Participation in poverty reduction programs 9. Commune general characteristics 10. General remarks Part B: Data results on the VHLSS 2010 Section 1. Some basic demographic characteristics related to living standards Section 2. Education Section 3. Labour - Employment Section 4. Health and health care Section 5. Income Section 6. Consumption expenditure Section 7. Durable goods Section 8. Housing, electricity, water, sanitation facilities and use of Internet

	Section 9. Participation in poverty reduction programs Section 10. Business production activities Section 11. Commune general characteristics
Note	The survey report is available at IHSN website.

□ IHSN

<http://catalog.ihsn.org/index.php/catalog/3277/> (Accessed on 09 April 2016)



[HOME](#) > [IHSN SURVEY CATALOG](#) > [VNM_2010_VHLSS_V01_M](#)

Vietnam - Household Living Standards Survey 2010, 7th round



Reference ID VNM_2010_VHLSS_v01_M

Year 2010

Country Vietnam

Producer(s) General Statistics Office (GSO) - Ministry of Planning and Investment

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[DOCUMENTATION](#)
[STUDY DESCRIPTION](#)
[RELATED PUBLICATIONS](#)

Documentation

Download the questionnaires, technical documents and reports that describe the survey process and the key results for this study.

Reports

 Result of The Vietnam Household Living Standards Survey 2010
  2.62 MB

Survey report	Result of The Vietnam Household Living Standards Survey 2010 (712 pages)
	Very detailed result tables in the report.

4. Data import

4.1 Import STATA data files into R

```
> list.files()
[1] "hhexpe10.dta" "muc1a.dta" "muc1b.dta" "muc2.dta"
[5] "muc3a.dta" "muc3b.dta" "muc4a.dta" "muc4b0.dta"
[9] "muc4b11.dta" "muc4b12.dta" "muc4b13.dta" "muc4b14.dta"
[13] "muc4b15.dta" "muc4b16.dta" "muc4b17.dta" "muc4b21.dta"
[17] "muc4b22.dta" "muc4b31.dta" "muc4b32.dta" "muc4b41.dta"
[21] "muc4b42.dta" "muc4b51.dta" "muc4b52.dta" "muc4c1.dta"
[25] "muc4c2.dta" "muc4d.dta" "muc5a1.dta" "muc5a2.dta"
[29] "muc5b1.dta" "muc5b2.dta" "muc5b3.dta" "muc6.dta"
[33] "muc6b.dta" "muc7.dta" "muc8.dta" "muc8vayno.dta"
[37] "ttchung.dta" "weight10.dta"
> file.names<-list.files()

> library(foreign)
# Imported STATA files into R
> lss2010<-list()
> for(j in 1:38){
+ lss2010<-c(lss2010, list(read.dta(file.names[j], convert.factors=F)))
+ }
# 38 R data frames were stored in the list "lss2010".

# Made list of data file name, number of records and variables
> for(j in 1:38){
+ cat(file.names[j], ": ", dim(lss2010[[j]]), "¥n")
+ }
hhexpe10.dta : 9399 53
muc1a.dta : 36999 18
muc1b.dta : 1221 17
muc2.dta : 36999 34
muc3a.dta : 19647 16
muc3b.dta : 36999 15
muc4a.dta : 36999 53
muc4b0.dta : 11619 9
```

muc4b11.dta : 13588 12
muc4b12.dta : 13157 11
muc4b13.dta : 3012 12
muc4b14.dta : 7207 12
muc4b15.dta : 6638 10
muc4b16.dta : 47482 13
muc4b17.dta : 15124 11
muc4b21.dta : 12967 10
muc4b22.dta : 8111 29
muc4b31.dta : 200 9
muc4b32.dta : 199 27
muc4b41.dta : 3504 13
muc4b42.dta : 2119 30
muc4b51.dta : 2671 10
muc4b52.dta : 2013 30
muc4c1.dta : 4007 23
muc4c2.dta : 4007 32
muc4d.dta : 9399 29
muc5a1.dta : 136854 10
muc5a2.dta : 236630 14
muc5b1.dta : 111034 10
muc5b2.dta : 119120 8
muc5b3.dta : 9399 14
muc6.dta : 9399 42
muc6b.dta : 91597 11
muc7.dta : 9399 30
muc8.dta : 9399 53
muc8vayno.dta : 1367 12
ttchung.dta : 9399 118
weight10.dta : 3133 5

4.1.2 Generated list of variable names in each data frame

```
> var.names<-list()
> for(j in 1:38) {
+ var.names<-c(var.names, list(attributes(lss2010[[j]])$var.labels))
+ }
> length(var.names)
[1] 38
```

```
> for(j in 1:38) {
+ varname<-colnames(lss2010[[j]])
+ cat("\n", "### ", j, ": ", Rnames[j], " #####\n")
+ varlbl<-var.names[[j]]
+ for(k in 1:length(varname)) {
+ cat(k, ":", varname[k], " : ", varlbl[k], "\n")
+ }}
```

List of variable names and variable labels in each data frame
(omitted because the list is the part of the next list in 4.1.3.)

4.1.3 Labels of categorical variable

- ✓ Displayed the variable names, variable labels, and labels of response categories.

```
> for(n in 1:38) {
+ df<-lss2010[[n]]
+ cat("¥n", "### ", n, ": ", Rnames[n], " #####¥n")
+ cb<-vector(length=ncol(df), mode="list")
+ # cb: data frame of codebook
+ for(j in 1:length(cb)) {
+ cb[[j]]$varname<-names(df)[j]
+ cb[[j]]$varlabel<-attributes(df)$var.labels[j]
+ cb[[j]]$vallabel<-(attributes(df)$label.table[attributes(df)$val.labels][[j]])
+ } # end of for j
+ # print codebook
+ for(j in 1:length(cb)) {
+ cat(format(j, width=2), format(cb[[j]]$varname, width=10), ": ",
+     format(cb[[j]]$varlabel, width=30), "¥n")
+ if(length(cb[[j]]$vallabel)==3) { # including value labels
+   t<-cb[[j]]$vallabel
+   for(k in 1:length(t)) {
+     cat(rep(" ", 10), format(t[k], width=3), format(names(t)[k], width=30), "¥n")
+   } # end of for k
+ } # end of if
+ } # end of for j
+ } # end of for n
```

```
### 1 : hhexpe10 #####
1 tinh      :
2 huyen     :
3 xa        :
4 diaban    :
5 hoso      :
6 compfoodnom : 'Comparable' nominal household food consumption
7 compricenom : 'Comparable' nominal household rice consumption
8 compnonricenom : 'Comparable' non-rice household food consumption
9 bestfoodnom : Best nominal household food consumption
10 bestricenom : Best nominal household rice consumption
11 bestnonricenom : Best non-rice household food consumption
12 urban10   : Indicator that household is urban; 0 means rural
               0 Rural
               1 Urban
13 reg8      : 8-region coding
               1 Red River Delta
               2 East Northern Mtns
               3 West Northern Mtns
               4 North Central Coast
               5 South Central Coast
```

6 Central Highlands
 7 Southeast
 8 Mekong Delta
 14 reg6 : 6-region coding
 1 Red River Delta
 2 Midlands and Northern Mountains
 3 Northern and Coastal Central
 4 Central Highlands
 5 Southeast
 6 Mekong Delta
 15 monthint : Month of interview – for use with defitem
 16 hhsize : Household size
 17 wt9 : Household sampling weight
 18 hhszwt : Population weight -- wt9*hhsize
 19 defltemrice : GSO's CPI / temporal deflator for rice, scaled so that January 2010 = 1
 20 defltemnonricefood : GSO's CPI / temporal deflator for non-rice food, scaled so that January 2010 = 1
 21 defltemnonfood : GSO's CPI / temporal deflator for non-food items, scaled so that January 2010 = 1
 22 deflGSOspatialfood : GSO's spatial defl for food--rescaled for population-- rather than economic--weigh
 23 deflGSOspatialnonfood : GSO's spatial defl for nonfood--rescaled for population-- rather than economic--we
 24 deflSCOLI : SCOLI, scaled so that allVN=1; defined by urban10 and reg6 variables
 25 compfoodrl : 'Comparable' food household real consumption (deflators: Jan; GSO regional)
 26 compfoodpcrl : 'Comparable' food per capita real consumption (deflators: Jan; GSO regional)
 27 bestfoodrl : Best food household real consumption (deflators: Jan; SCOLI)
 28 bestfoodpcrl : Best food per capita real consumption (deflators: Jan; SCOLI)
 29 compnonfoodnom : 'Comparable' nominal housenhold nonfood consumption
 30 compnonfoodrl : 'Comparable' food household real consumption (deflators: Jan; GSO regional)
 31 compnonfoodpcrl : 'Comparable' all per capita real consumption except food (deflators: Jan; GSO re
 32 comphhnom : 'Comparable' household nominal consumption
 33 comphhrl : 'Comparable' household real consumption (deflators: Jan; GSO regional)
 34 comppcnom : 'Comparable' per capita nominal consumption
 35 comppcrl : 'Comparable' per capita real consumption (deflators: Jan; GSO regional)
 36 bestnonfoodnom : Best nominal household nonfood consumption
 37 bestnonfoodrl : Best food household real consumption (deflators: Jan; SCOLI)
 38 bestnonfoodpcrl : Best all per capita real consumption except food (deflators: Jan; SCOLI)
 39 besthhnom : Best household nominal consumption
 40 besthhrl : Best household real consumption (deflators: Jan; SCOLI)
 41 bestpcnom : Best per capita nominal consumption
 42 bestpcrl : Best per capita real consumption (deflators: Jan; SCOLI)
 43 bestrlpopquint : Population quintiles by Best real (low to high)
 44 bestrlpopquinturb : Urban population quintiles by Best real (low to high)

45 bestrlpopquintrur : Rural population quintiles by Best real (low to high)
 46 bestfoodpcnom : Best nominal per capita food consumption
 47 compfoodpcnom : 'Comparable' nominal per capita food consumption
 48 compricepcnom : 'Comparable' nominal per capita rice consumption
 49 bestricepcnom : Best nominal per capita rice consumption
 50 compnonricepcnom : 'Comparable' nominal non-rice per capita food consumption
 51 bestnonricepcnom : Best nominal non-rice per capita food consumption
 52 compnonfoodpcnom : 'Comparable' nominal per capita nonfood consumption
 53 bestnonfoodpcnom : Best nominal per capita nonfood consumption

2 : muc1a

1 tinh : Province

2 huyen : District

3 xa : Commune

4 diaban : Enumerator area

5 hoso : Household code

6 matv : ID code

7 m1ac2 : Sex

1 Male

2 Female

8 m1ac3 : Relationship

1 Household head

2 Wife/husband

3 Child

4 Father/mother

5 Paternal/maternal grandfather/grandmother

6 Paternal/maternal grandchild

7 Other relationships

9 m1ac4a : Month of birth

10 m1ac4b : Year of birth

11 m1ac5 : Age

12 m1ac6 : Marial status

1 Single

2 Married

3 Widowed

4 Divorced

5 Separated

13 m1ac7 : Months have stayed household

14 m1ac8 : Why has not lived household

1 Student studies in the country

2 Cadre studies in the country

3 Medical treatment in the country/overseas

4 Newborn, new comer

5 Household head working away

6 Others

15 m1ac9 : Place of registering for residency

1 At this dwelling within com./ward

2 Other place within this province

3 Another province

4 Others

5 Never having registered household status
 16 m1ac10 : Province registering for residency
 4 ***Undefined Label
 6 ***Undefined Label
 8 ***Undefined Label
 17 ***Undefined Label
 22 ***Undefined Label
 40 ***Undefined Label
 42 ***Undefined Label
 54 ***Undefined Label
 56 ***Undefined Label
 58 ***Undefined Label
 60 ***Undefined Label
 62 ***Undefined Label
 64 ***Undefined Label
 70 ***Undefined Label
 72 ***Undefined Label
 77 ***Undefined Label
 89 ***Undefined Label
 99 Missing
 17 m1ac11n : Years staying in the province
 18 m1ac11t : Months staying in the province

 ### 3 : muc1b #####
 1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m1bma : ID code
 7 m1bc3 : Sex
 1 Male
 2 Female
 8 m1bc4 : Being servant, home worker, lodger or house sharer?
 1 Sevant
 2 Home worker
 9 m1bc5 : Age
 10 m1bc6 : Marital status
 1 Never married
 2 Married
 3 Widowed
 4 Divorced
 5 Separated
 11 m1bc7a : The highest diploma of universalised and higher education
 0 No degree
 1 Primary school
 2 Lower secondary school
 3 Upper secondary school
 8 College
 9 University

10 Master
 11 PhD
 12 Others
 12 m1bc7b : The highest diploma of vocational education
 0 No degree
 4 Short-term technical worker
 5 Long-term technical worker
 6 Professional secondary school
 7 Vocational college
 13 m1bc8 : Months staying in the dwelling in the last 12 months
 14 m1bc9 : Place of registering for residency
 1 At this dwelling within com./ward
 2 Other place within this province
 3 Another province
 4 Others
 15 m1bc10 : Province registering for residency
 4 ***Undefined Label
 6 ***Undefined Label
 8 ***Undefined Label
 17 ***Undefined Label
 22 ***Undefined Label
 40 ***Undefined Label
 42 ***Undefined Label
 54 ***Undefined Label
 56 ***Undefined Label
 58 ***Undefined Label
 60 ***Undefined Label
 62 ***Undefined Label
 64 ***Undefined Label
 70 ***Undefined Label
 72 ***Undefined Label
 77 ***Undefined Label
 89 ***Undefined Label
 99 Missing
 16 m1bc11n : Years staying in the province
 17 m1bc11t : Months staying in the province

 ### 4 : muc2 #####
 1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 matv : Member code
 7 m2c1 : Which grade
 8 m2c2a : The highest qualification – General education and college-level upwards
 0 No qualification
 1 Primary
 2 Lower secondary
 3 Higher secondary

- 4 Elementary vocational school
 - 5 Middle-level vocational school
 - 6 Professional school
 - 7 Vocational college
 - 8 College
 - 9 University
 - 10 MA/MSc
 - 11 PhD
 - 12 Others
- 9 m2c2b : The highest qualification – Vocational training
- 0 No qualification
 - 1 Primary
 - 2 Lower secondary
 - 3 Higher secondary
 - 4 Elementary vocational school
 - 5 Middle-level vocational school
 - 6 Professional school
 - 7 Vocational college
 - 8 College
 - 9 University
 - 10 MA/MSc
 - 11 PhD
 - 12 Others
- 10 m2c3 : Which type of school
- 1 Public
 - 2 Semi-public
 - 3 Community-established
 - 4 Private
 - 5 Others
- 11 m2c4 : Does [name] go to school now?
- 1 Yes
 - 2 On summer vacation
 - 3 No
- 12 m2c5 : Has [name] attended school over the past 12 months?
- 1 Yes
 - 2 No
- 13 m2c6 : Level of education
- 0 Nursery, kindergarten
 - 1 Primary
 - 2 Lower secondary
 - 3 Higher secondary
 - 4 Elementary vocational school
 - 5 Middle-level vocational school
 - 6 Professional school
 - 7 Vocational college
 - 8 College
 - 9 University
 - 10 MA/MSc
 - 11 PhD
 - 12 Others

- 14 m2c7 : Which grade is [name] attending?
- 15 m2c8 : Which school does [name] attend?
- 1 Public
 - 2 Community-established
 - 3 Private
 - 4 Others
- 16 m2c9 : Reduction of or exemption from tuition fees or contributions to education?
- 1 Yes
 - 2 No
- 17 m2c10a : Reasons for reduction/exemption from tuition fees?
- 1 Poor households
 - 2 Ethnic minorities
 - 3 Households of fallen combatants
 - 4 War invalids, sick soldiers, or with revolutionary merits
 - 5 Deep, remote, especially difficult areas
 - 6 Families in difficult circumstances
 - 7 Primary school students
 - 8 School doesn't collect tuition fees
 - 9 Others
- 18 m2c10b : Reasons for reduction/exemption from contribution?
- 1 Poor households
 - 2 Ethnic minorities
 - 3 Households of fallen combatants
 - 4 War invalids, sick soldiers, or with revolutionary merits
 - 5 Deep, remote, especially difficult areas
 - 6 Families in difficult circumstances
 - 7 Primary school students
 - 8 School doesn't collect tuition fees
 - 9 Others
- 19 m2c11a : Tuition fees?
- 0 0
- 20 m2c11b : Charge for not following a relevant reference system?
- 0 0
- 21 m2c11c : Contributions to school, class(construction fund,...)?
- 0 0
- 22 m2c11d : Parent fund, class fund?
- 0 0
- 23 m2c11e : Uniforms and costumes as stipulated?
- 0 0
- 24 m2c11f : Textbooks, reference books?
- 0 0
- 25 m2c11g : Other study instruments?
- 0 0
- 26 m2c11h : Coaching sessions for compulsory subjects in school?
- 0 0
- 27 m2c11i : Other education expenditures?
- 0 0
- 28 m2c11k : Total
- 0 0

- 29 m2c12 : Funds received from organisations that provide aid in education over the past 12
0 0
- 30 m2c13 : Values of scholarships and rewards received over the last 12 months?
0 0
- 31 m2c14 : Expenditures for other education and training over the past 12 months?
0 0
- 32 m2c15a : Toys bought in shops
1 Yes
2 No
- 33 m2c15b : Self-made toys
1 Yes
2 No
- 34 m2c16 : How many books/cartoon stories does your HH have for children?
- ### 5 : muc3a #####
- 1 tinh : Province
- 2 huyen : District
- 3 xa : Commune
- 4 diaban : Enumerator area
- 5 hoso : Household code
- 6 matv : Member code
- 7 m3c2 : Names of users of medical services over the last 12 months?
- 8 m3c3a : Sequence number
- 9 m3c3b : Medical establishment code
1 Village/hamlet clinics
2 Commune/ward clinics
3 Regional general clinics.
4 Urban/rural district hospitals
5 Provincial/city hospitals
6 Central hospitals
7 Other state-run hospitals
8 Private hospitals
9 Other hospitals
10 Private practice
11 Traditional herbal physicians
12 Individual medical services
13 Other medical establishments
- 10 m3c4 : Reasons for [name] to visit medical establishments?
1 Vaccination
2 Pregnancy checks, insertion of intrauterine devices, abortion,
birth delivery
3 Health checks and consultancy
4 Medical treatment
- 11 m3c5a : Number of visits for health checks/non-resident treatment of [name] over the pas
0 0
- 12 m3c5b : Costs for health checks/non-resident treatment of [name] over the past 12 months
0 0

13 m3c6a : Number of visits for resident treatment of [name] over the past 12 months?
0 0

14 m3c6b : Costs of visits for resident treatment of [name] over the past 12 months?
0 0

15 m3c7 : Did the household afford the medical check/treatment?
1 Yes, it did
2 It had some but not enough
3 No

16 m3c8 : If it did have some but not enough or didn't afford, did you have to sell
produc
0 0

6 : muc3b

1 tinh : Province
2 huyen : District
3 xa : Commune
4 diaban : Enumerator area
5 hoso : Household code
6 matv : ID code
7 m3c9 : Health insurance card in the last 12 months
1 Yes
2 No

8 m3c10a : The first type
1 Booklet/card for children aged 6 or less
2 Health insurance card for the poor
3 Health insurance card for the near-poor
4 Free healthcare booklet/card/certificate
5 Health insurance card for policy beneficiaries
6 Other compulsory state-run health insurance card
7 Other compulsory non-state health insurance card
8 Voluntary health insurance card for students
9 Other voluntary health insurance card
10 Others

9 m3c10b : The second type
1 Booklet/card for children aged 6 or less
2 Health insurance card for the poor
3 Health insurance card for the near-poor
4 Free healthcare booklet/card/certificate
5 Health insurance card for policy beneficiaries
6 Other compulsory state-run health insurance card
7 Other compulsory non-state health insurance card
8 Voluntary health insurance card for students
9 Other voluntary health insurance card
10 Others

10 m3c11 : spent on health insurance
0 0

11 m3c12a : Out-service
1 Yes
2 No

12 m3c12b : In-service

1 Yes
 2 No
 13 m3c13 : spent on purchasing medicines
 0 0
 14 m3c14 : spent on purchasing medical facilities
 0 0
 15 m3c15 : value of grants
 0 0

7 : muc4a #####
 1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 matv : ID code
 7 m4ac1a : waged/salaried employment
 1 Yes
 2 No
 8 m4ac1b : Involved in agri, fishery and farm
 1 Yes
 2 No
 9 m4ac1c : involved bussiness, services
 1 Yes
 2 No
 10 m4ac2 : Working or not?
 1 Yes
 2 No
 11 m4ac3a : Number of days
 12 m4ac3m : Work description of the most time-consuming job
 13 m4ac3 : Occupation code of the most time-consuming job
 14 m4ac4c : Names of employing agencies
 15 m4ac4m : Description of employing agencies' main tasks/products
 16 m4ac4 : Industry code
 35 Production and distribution of electricity, gas, hot water, steam
 and air conditioners
 110 Agriculture and related services: crop production
 140 Agriculture and related services: husbandry
 160 Agriculture and related services: agricultural services
 17 m4ac5 : taken the most time-consuming job over the last 30 days
 1 Yes
 2 No
 18 m4ac6 : For how many days has...done it for the last 30 days
 19 m4ac7 : On average how many hours does...usually work for a days
 20 m4ac8a : 8a.Economic types
 1 Farming, forestry, aquaculture households / individuals
 2 Independent production and business households
 3 Collective
 4 Private
 5 State-run

- 6 Foreign-invested
- 21 m4ac8b : 8b. Official?
1 Yes
2 No
- 22 m4ac9 : Has [name] received salaries, wages for this job?
1 Yes
2 No
- 23 m4ac10 : How much in cash and kind has [name] received from this job over the past
30 day
- 24 m4ac11 : How much in salaries/wages, including that in kind, has [name] received
from this
- 25 m4ac12a : Festive occasions, 1/5, 2/9, 22/12, Lunar Tet...
- 26 m4ac12b : Others (bonuses, uniforms, lunch, allowances for business trips,
sickness, labor
- 27 m4ac13a : Signing a payroll book?
1 Yes
2 No
- 28 m4ac13b : Paid leave / festive occasions?
1 Yes
2 No
- 29 m4ac13c : Social insurance?
1 Yes
2 No
- 30 m4ac14 : Any other jobs in the last 12 months?
1 Yes
2 No
- 31 m4ac15a : For how many days has [name] performed the second most time-consuming job
over th
- 32 m4ac15m : Work description of the second most time-consuming job
- 33 m4ac15 : Occupation code of the most time-consuming job
- 34 m4ac16c : Names of employing agencies
- 35 m4ac16m : Description of main tasks/products of employing agencies/organizations
- 36 m4ac16 : Industry code
- 35 Production and distribution of electricity, gas, hot water, steam
and air conditioners
- 110 Agriculture and related services: crop production
- 140 Agriculture and related services: husbandry
- 160 Agriculture and related services: agricultural services
- 37 m4ac17 : taken the second most time-consuming job over the last 30 days
1 Yes
2 No
- 38 m4ac18 : For how many days has...been doing this job last 30 days
- 39 m4ac19 : For how many hours has...been doing this job for a day on average
- 40 m4ac20 : Employer/owner?
1 Farming, forestry, aquaculture households / individuals
2 Independent production and business households
3 Collective
4 Private
5 State-run
6 Foreign-invested

- 41 m4ac21 : Working for wage/salary?
 1 Yes
 2 No
- 42 m4ac22 : Total Wage/salary received in the past 1 months- second job
- 43 m4ac23 : Total Wage/salary received in the past 12 months- second job
- 44 m4ac24a : Income from bonus/ award received during public holidays
- 45 m4ac24b : Other incomes: bonuses, uniforms, lunch, allowances for business trips, sickness
- 46 m4ac25 : Any other job for wage/salary?
 1 Yes
 2 No
- 47 m4ac26 : Income from any other job?
- 48 m4ac27 : Has received unemployment benefits, one-off severance pays, pensions, ...
 over t
 1 Yes
 2 No
- 49 m4ac28a : Has received from unemployment allowance in the past 12 months
- 50 m4ac28b : Has received from one-off severance pay in the past 12 months
- 51 m4ac28c : Has received from standard pension at a stipulated age in the past 12 months
- 52 m4ac28d : Has received from premature pension in the past 12 months
- 53 m4ac28e : Has received from allowance for loss of working capacity in the past 12 months

8 : muc4b0

- 1 tinh : Province
- 2 huyen : District
- 3 xa : Commune
- 4 diaban : Enumerator area
- 5 hoso : Household code
- 6 m4b0ma : Code of land plot
 1 Annual crop land
 2 Perennial crop land
 3 Forestry land
 4 Water surface
 5 Grassland
 6 Gardens, ponds adjacent to residential land
 7 Shifting-cultivation farmland
 8 Others specify
- 7 m4b0c3 : How much area of land does your family use or manage?
- 8 m4b0c4 : Payment in cash and in-kind for land rent or contracting in the last 12 months?
- 9 m4b0c5 : Amount in cash and in-kind obtained from land rental in the last 12 months

9 : muc4b11

- 1 tinh : Province
- 2 huyen : District
- 3 xa : Commune
- 4 diaban : Enumerator area
- 5 hoso : Household code

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6 m4b11ma      : Rice code
                  1 Winter-spring ordinary rice
                  2 Summer-autumn ordinary rice
                  3 Ten-month or autumn-winter rice
                  4 Ordinary rice planted in terraced field
                  5 Year-round ordinary rice
                  6 Year-round glutinous rice
                  7 Year-round specialty rice
7 m4b11c3      : Area in sqm for planting rice
8 m4b11c4      : Output in KGs?
9 m4b11c5      : Amount in KGs lost due to pests/rotting...?
10 m4b11c6     : Sold/bartered in KGs?
11 m4b11c7     : Amount sold/bartered?
12 m4b11c8     : Value received from sold/batrtered

### 10 : muc4b12 #####
1 tinh        : Province
2 huyen       : District
3 xa          : Commune
4 diaban      : Enumerator area
5 hoso        : Household code
6 m4b12ma     : Staple food crops, non-staple food crops, and other annual crops
                  8 Maize (corn)
                  9 Sweet potato
                 10 Cassava/manioc
                 11 Other staple food crops
                 12 Potato
                 13 Morning glory vegetable
                 14 Kohlrabi
                 15 Cabbage, cauliflower
                 16 Cruciferous vegetables
                 17 Edible beans
                 18 Tomato
                 19 Seasoning herb
                 20 Other edible vegetables, fruits and roots
                 21 Other annual crops (flowers, etc.)
7 m4b12c3     : Area in sqm for planting rice
8 m4b12c4     : Output in KGs?
9 m4b12c5     : Sold/bartered in KGs?
10 m4b12c6    : Amount sold/bartered?
11 m4b12c7    : Value received from sold/batrtered

### 11 : muc4b13 #####
1 tinh        : Province
2 huyen       : District
3 xa          : Commune
4 diaban      : Enumerator area
5 hoso        : Household code
6 m4b13ma     : Annual and perennial industrial crops
                  22 Soya bean/soybean

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23 Peanut/groundnut
 24 Sesame
 25 Sugarcane
 26 Tobacco, rustic tobacco
 27 Cotton
 28 Jute, ramie (China grass)
 29 Sedge
 30 Other industrial annuals
 31 Tea
 32 Coffee
 33 Rubber
 34 Pepper
 35 Coconut
 36 Mulberry
 37 Cashew
 38 Other industrial perennials
 7 m4b13c3a : Area in sqm for planting rice
 8 m4b13c3b : Code
 1 M2
 2 Tree
 9 m4b13c4 : Output in KGs?
 10 m4b13c5 : Sold/bartered in KGs?
 11 m4b13c6 : Amount sold/bartered?
 12 m4b13c7 : Value received from sold/batrtered

 ### 12 : muc4b14 #####
 1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4b14ma : Fruit trees
 39 Citrus
 40 Pineapple
 41 Banana
 42 Mango, horse mango
 43 Indian jujube
 44 Grape
 45 Plum
 46 Papaya
 47 Longan, lychee, rambutan
 48 Sapodilla
 49 Sugar-apple, soursop
 50 Jackfruit, durian
 51 Mangosteen
 52 Other fruit trees
 53 Other perennials
 54 Seedlings
 55 Decorative trees
 7 m4b14c3a : Area in sqm for planting rice

8 m4b14c3b : Code
 1 M2
 2 Tree

9 m4b14c4 : Output in KGs?
 10 m4b14c5 : Sold/bartered in KGs?
 11 m4b14c6 : Amount sold/bartered?
 12 m4b14c7 : Value received from sold/batrtered

13 : muc4b15

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4b15ma : Code of crop by-products
 1 Straw, thatch
 2 Sweet potato leaves and stems
 3 Cassava and maize stems
 4 Stems of beans of all kinds
 5 Sugarcane leaves and tops
 6 Jute, ramie stems
 7 Mulberry plant stems
 8 Firewood
 9 Other crop by products

7 m4b15c2 : Value from sales/barter
 8 m4b15c3 : Value kept for household's animal food
 9 m4b15c4 : Value kept for other purposes?
 10 m4b15c5 : Total value

14 : muc4b16

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4b16ma : Crop planting expense code
 1 Seeds
 2 Saplings
 3 Chemical fertilizers
 4 Organic fertilizers(seft-provided)
 5 Organic fertilizers (bought)
 6 pesticides
 7 Herbicides
 8 Small, non-durable tools
 10 Small repairs, maintenance
 11 Fixed asset depreciation
 12 Land rental and procurement
 13 Hire of assets, machines, vehicles and mechanical work; hire of
 transport
 14 Hire of ploughing cattle

15 Paying outsourced labour
 16 Inner-field irrigation
 17 Payment of interest on loans taken out for production
 18 Other costs
 91 Electricity
 92 Coal
 93 Coal briquette
 94 Petrol
 95 Kerosene
 96 Mazut oil
 97 Diesel oil
 98 LPG
 99 Natural gas
 910 Firewood
 911 Other energy and fuels
 7 m4b16c2a : Expenditure on rice crop
 8 m4b16c2b : Expenditure on starchy and other food crops
 9 m4b16c2c : Expenditure on industrial crops
 10 m4b16c2d : Expenditure on fruit crops and others, excluding forestry trees
 11 m4b16c2e : Total Crop Planting Expenditure
 12 m4b16c2e1 : State subsidy
 13 m4b16c2e2 : Other assistance

15 : muc4b17

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4b17ma : Code of chemical fertilizers
 1 Nitrogenous
 2 Phosphat
 3 Potassium
 4 NPK
 5 Other chemical fertilizers
 7 m4b17c2 : Rice
 8 m4b17c3 : Other staple and food trees
 9 m4b17c4 : Industrial trees
 10 m4b17c5 : Fruit trees and others
 11 m4b17c6 : Total

16 : muc4b21

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4b21ma : Livestock breeding code
 1 Live pig pork
 2 Live buffalo and cow meat

3 Horses
 4 Sheep, goats
 5 Chickens
 6 Ducks, thai ducks, geese
 7 Other poultry
 8 Pigs for breed
 9 Buffaloes, oxen, cows for breed
 10 Other cattle for breed
 11 Other livestock
 12 Poultry eggs
 13 Fresh milk
 14 Silkworm cocoon
 15 Bee's honey
 16 Other livestock(non-slaughtered)
 17 Other income from breeding
 18 Livestock breeding by products
 19 Hunting, trapping and domesticating forest animals and birds
 7 m4b21c3 : Quantity obtained over the last 12 months?
 8 m4b21c4a : Quantity sold/bartered
 9 m4b21c4b : Value sold/bartered
 10 m4b21c5 : Value of the output obtained over the last 12 months

17 : muc4b22

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4b22ma : Code of livestock breeding
 1 Pigs
 2 Water buffalos, cows
 3 Horses
 4 Sheep, goats
 5 Chickens
 6 Ducks, Thai ducks, geese
 7 Other poultry
 8 Bees
 9 Silkworms
 10 Others
 11 Hungtin trapping and domesticating forest animals and birds
 7 m4b22c7 : Expenditure on Livestock breeds
 8 m4b22c8 : Expenditure on feed
 9 m4b22c9 : Expenditure on Medicine for cattle, poultry
 10 m4b22c10a : Expenditure on Electricity
 11 m4b22c10b : Expenditure on Coal
 12 m4b22c10c : Expenditure on Coal/Briquette
 13 m4b22c10d : Expenditure on Petrol
 14 m4b22c10e : Expenditure on Kerosene
 15 m4b22c10f : Expenditure on Mazut oil
 16 m4b22c10g : Expenditure on Diesel oil

17 m4b22c10h : Expenditure on LPG
 18 m4b22c10i : Expenditure on Natural gas
 19 m4b22c10j : Expenditure on Firewood
 20 m4b22c10k : Expenditure on Others
 21 m4b22c11 : Water
 22 m4b22c12 : Expenditure on fixed assets Depreciation
 23 m4b22c13 : Expenditure on Land rental and auction
 24 m4b22c14 : Expenditure on Rental of assets, machinery, equipment, means of
 production
 25 m4b22c15 : Payment for hired laborers
 26 m4b22c16 : Payment for loan interest for breeding
 27 m4b22c17 : Business taxes
 28 m4b22c18 : Other expenses
 29 m4b22c19 : Total livestock breeding expenditure

18 : muc4b31

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4b31ma : Agricultural Service code
 1 Soil preparation
 2 Irrigation
 3 Pest and disease control
 4 Rice plucking, semi-processing
 5 Other services
 7 m4b31c3 : Number of operating months
 8 m4b31c4 : Average monthly income
 9 m4b31c5 : Total Agricultural Service Income

19 : muc4b32

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4b32ma : Agricultural Services expense code
 1 Soil preparation
 2 Irrigation
 3 Pest and disease control
 4 Rice plucking, semi-processing
 5 Other services
 7 m4b32c7 : Expenditure on materials
 8 m4b32c8 : Expenditure on small, non-durable items
 9 m4b32c9a : Expenditure on Electricity
 10 m4b32c9b : Expenditure on Coal
 11 m4b32c9c : Expenditure on Coal briquette
 12 m4b32c9d : Expenditure on Petrol
 13 m4b32c9e : Expenditure on Kerosene

14 m4b32c9f : Expenditure on Mazut oil
 15 m4b32c9g : Expenditure on Diesel oil
 16 m4b32c9h : Expenditure on LPG
 17 m4b32c9i : Expenditure on Natural gas
 18 m4b32c9j : Expenditure on Fuelwood
 19 m4b32c9k : Expenditure on Others
 20 m4b32c10 : Expenditure on minor repairs, maintenance
 21 m4b32c11 : Fixed assets depreciation
 22 m4b32c12 : Expenditure on rental of house, workshops,...
 23 m4b32c13 : Payment for hires outside laborers
 24 m4b32c14 : Payment for loan interest for business
 25 m4b32c15 : Business taxes
 26 m4b32c16 : Other expenditure
 27 m4b32c17 : Total Agricultural Services Expenditure

20 : muc4b41

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4b41ma : Forestry product code
 1 Mu oil trees
 2 Cinnamon
 3 Anise
 4 Pine
 5 Vamish trees
 6 Trees for wood
 7 Bamboo
 8 Fan palm trees
 9 Water coconut
 10 Other forestry trees
 11 Wood
 12 Forest plantation, protection, maintenance, improvement
 13 Trees for breeding and other products collected from forests
 14 Other forestry services
 7 m4b41c3a : Value of turnover and harvested output/Forestry land for production
 allocated to
 8 m4b41c3b : Value of turnover and harvested output/Forestry land for production not
 allocate
 9 m4b41c3c : Value of turnover and harvested output/Protective forestry land
 allocated to hou
 10 m4b41c3d : Value of turnover and harvested output/Protective forestry land not
 allocated to
 11 m4b41c3e : Value of turnover and harvested output/Other forestry land
 12 m4b41c3f : Value of turnover and harvested output/Total
 13 m4b41c4 : Value of sales/bartered

21 : muc4b42

1 tinh : Province

2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4b42ma : Forestry activity code
 1 Forestry activities
 2 Forestry services
 7 m4b42c1 : Expenditure on seeds, breeds
 8 m4b42c2 : Expenditure on various type of fertilizers
 9 m4b42c3 : Expenditure on small, non-durable tools
 10 m4b42c4a : Expenditure on Electricity
 11 m4b42c4b : Expenditure on Coal
 12 m4b42c4c : Expenditure on Coal briquette
 13 m4b42c4d : Expenditure on Petrol
 14 m4b42c4e : Expenditure on Kerosene
 15 m4b42c4f : Expenditure on Mazut (oil)
 16 m4b42c4g : Expenditure on Diesel (oil)
 17 m4b42c4h : Expenditure on LPG
 18 m4b42c4i : Expenditure on Natural gas
 19 m4b42c4j : Expenditure on Fire-wood
 20 m4b42c4k : Expenditure on others
 21 m4b42c5 : Expenditure on small repairs, maintenance
 22 m4b42c6 : Fixed assets depreciation
 23 m4b42c7 : Expenditure on land rental and auction
 24 m4b42c8 : Expenditure on rent of assets, machinery,...
 25 m4b42c9 : Expenditure on hiring animals for droughing and pulling
 26 m4b42c10 : Hiring laborers from outside
 27 m4b42c11 : Loan interest
 28 m4b42c12 : Business taxes
 29 m4b42c13 : Other expenditure
 30 m4b42c14 : Total expenditure for forestry ...

22 : muc4b51

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4b51ma : Aquaculture code
 1 Aquacultural raising
 2 Aquacultural catching
 3 Aquacultural sevices
 11 Fish
 12 Shrimp
 13 Shrimp and fish for breed
 14 Other aquacultural products
 21 Fish
 22 Shrimp
 23 Other aquacultural products
 7 m4b51c3 : Total catch over the past 12 months?

8 m4b51c4a : Quantity sold/bartered
 9 m4b51c4b : Value sold/bartered
 10 m4b51c5 : Total values of products gained over the past 12 months?

23 : muc4b52

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4b52ma : Aquacultural breed code
 1 Raising
 2 Catching
 3 Services
 7 m4b52c6 : Expenditure on aquacultural breeds
 8 m4b52c7 : Expenditure on feeds
 9 m4b52c8 : Expenditure on small, non-durable tools
 10 m4b52c9a : Expenditure on Electricity
 11 m4b52c9b : Expenditure on Coal
 12 m4b52c9c : Expenditure on Coal briquette
 13 m4b52c9d : Expenditure on Petrol
 14 m4b52c9e : Expenditure on Kerosene
 15 m4b52c9f : Expenditure on Mazut (oil)
 16 m4b52c9g : Expenditure on Diesel (oil)
 17 m4b52c9h : Expenditure on LPG
 18 m4b52c9i : Expenditure on Natural gas
 19 m4b52c9j : Expenditure on Fuel-wood
 20 m4b52c9k : Expenditure on Others
 21 m4b52c10 : Expenditure on Salt, ice water
 22 m4b52c11 : Expenditure on small repairs, maintenance
 23 m4b52c12 : Expenditure on Fixed assets depreciation
 24 m4b52c13 : Expenditure on land rental and auction
 25 m4b52c14 : Expenditure on rental of assets, machinery, equipment
 26 m4b52c15 : Payment for hired laborers
 27 m4b52c16 : Payment for loan interest
 28 m4b52c17 : Business taxes
 29 m4b52c18 : Other expenses
 30 m4b52c19 : Total aquacultural expenditure

24 : muc4c1

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4c1ma : Order of activities
 7 m4c1c2 : Industry code
 35 ***Undefined Label
 68 ***Undefined Label
 84 ***Undefined Label

85 ***Undefined Label
99 ***Undefined Label

8 m4c1c3 : Number of months this activity under operation for the past 12 months
9 m4c1c4 : HH's member owned all of the business or not
1 Yes
2 No

10 m4c1c5 : Number of households that own the business
11 m4c1c6 : The percentage of income from this business received by your household
12 m4c1c7 : Having business license or not
1 Yes, enterprise
2 Yes, private trading
3 No

13 m4c1c8 : The product of this activity is for selling/bartering/supplying services
or not
1 Yes
2 No

14 m4c1c9 : For months business under operation for past 12 months, what was the
average mon
15 m4c1c10 : The revenue for the past 12 months
16 m4c1c11 : HH exchanged goods and services produce by this business for other goods
and ser
1 Yes
2 No

17 m4c1c12 : The value of exchanged goods and services for past 12 months?
18 m4c1c13 : HH consumed any goods and services produced by this business for past
12 months?
1 Yes
2 No

19 m4c1c14 : The value of goods and services consumed by your HH past 12 months?
20 m4c1c15 : HH consumed or sold and by-products produced by this business for the
past 12 mo
1 Yes
2 No

21 m4c1c16 : The value of by-products consumed or sold by your HH for past 12 months?
22 m4c1c17 : Total income
23 m4c1c18 : Total income allocated for HH

25 : muc4c2

1 tinh : Province
2 huyen : District
3 xa : Commune
4 diaban : Enumerator area
5 hoso : Household code
6 m4c2ma : Order of activities
7 m4c2c19 : Main and minor materials
8 m4c2c20 : Small, cheap, undurable tools
9 m4c2c21a : Electricity
10 m4c2c21b : Coal
11 m4c2c21c : Coal briquette
12 m4c2c21d : Petrol

13 m4c2c21e : Kerosene
 14 m4c2c21f : Mazut (oil)
 15 m4c2c21g : Diesel (oil)
 16 m4c2c21h : LPG
 17 m4c2c21i : Natural gas
 18 m4c2c21j : Firewood
 19 m4c2c21k : Others
 20 m4c2c22 : Water
 21 m4c2stt : STT
 22 m4c2c23 : Minor repair, maintenance
 23 m4c2c24 : Depreciation of fixed assets
 24 m4c2c25 : Rent of land, workshops, shops, machines and other means of production
 25 m4c2c26 : Transport (rents and charges)
 26 m4c2c27 : Costs of labour
 27 m4c2c28 : Loan interests
 28 m4c2c29 : Taxes, fees and charges regarded as taxes
 29 m4c2c30 : Costs of treatment of sewage and solid waste
 30 m4c2c31 : Other costs
 31 m4c2c32 : Total costs
 32 m4c2c33 : Total costs divided by household(s)

26 : muc4d #####
 1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m4dc2_01 : Oversea remittance received in both cash and kinds
 7 m4dc2_02 : Cash and kind (value) for domestic use sent as a gift... residing and
 working ov
 8 m4dc2_03 : Gift of housing
 9 m4dc2_04 : Gift of automobile(s) for domestic use
 10 m4dc2_05 : Other gifts of assets for domestic use
 11 m4dc2_06 : Domestic remittance recieved in both cash and kind
 12 m4dc2_07 : Cash and kind (value) for domestic use sent as a gift or... who work as
 seasonal
 13 m4dc2_08 : Gift of housing
 14 m4dc2_09 : Gift of automobile(s) for domestic use
 15 m4dc2_10 : Other gifts of assets for domestic use
 16 m4dc2_11 : Wedding cash
 17 m4dc2_12 : Funeral cash tributes
 18 m4dc2_13 : Social benefits for war invalids, families of fallen combatants...
 19 m4dc2_14 : Social benefits for beneficiary households of social policies
 20 m4dc2_15 : Assistance to overcome natural disasters and fire
 21 m4dc2_16 : Income from various types of insurance
 22 m4dc2_17 : Withdrawal from saving, stocks, obtaining debts
 23 m4dc2_18 : Income from leasing workshops, machines, assets, equiment
 24 m4dc2_19 : Revenues as donations from organizations, humanitarian aid, associations
 and uni
 25 m4dc2_20 : Others

26 m4dc2_21 : 2. Tr` gi` nh`n ㄣ祥 trong 12 th`ng qua
 27 m4dc2_22 : 2. Tr` gi` nh`n ㄣ祥 trong 12 th`ng qua
 28 m4dc2_23 : 2. Tr` gi` nh`n ㄣ祥 trong 12 th`ng qua
 29 m4dc2_24 : 2. Tr` gi` nh`n ㄣ祥 trong 12 th`ng qua

27 : muc5a1

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m5a1ma : Consumed items
 101 Fragrant, specialty rice
 102 Sticky rice
 110 Pork
 111 Beef
 112 Buffalo's meat
 113 Chicken
 114 Duck and other poultry meat
 115 Other meat
 116 Processed meat
 118 Fresh fish, shrimp
 120 Other seafoods
 121 Eggs of Chicken or duck
 124 Beans of all kinds
 134 Fruit
 139 Sugar, molassess
 140 Cakees, candy, jam
 144 Alcohol
 145 Beer
 148 Coffee
 150 Dried tea
 151 Cigarettes, tobacco
 153 Outdoors eating
 154 Other things

7 m5a1c2a : Quantity bought/bartered
 8 m5a1c2b : Value bought/bartered
 9 m5a1c3a : Quantity self-supplied/received
 10 m5a1c3b : Value self-supplied/received

28 : muc5a2

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m5a2ma : Things has HH consumed for last 12 months
 101 Plain rice
 102 Sticky rice
 103 Maize

- 104 Cassava
- 105 Various types of potatoes
- 106 Wheat grains, bread, wheat
- 107 Noodle, pho noodle, instant rice soup
- 108 Rice noodle
- 109 Vermicelli
- 110 Pork
- 111 Beef
- 112 Buffalo's meat
- 113 Chicken
- 114 Duck and other poultry meat
- 115 Other meat
- 116 Processed meat
- 117 Lard, cooking oil
- 118 Fresh fish, shrimp
- 119 Dried and processed fish shrimp
- 120 Other aquatic products and seafoods
- 121 Chicken or duck eggs
- 122 Tofu
- 123 Peanuts, sesame seeds
- 124 beans
- 125 Various kinds of fresh pea
- 126 Water morning glory
- 127 Kohirabi
- 128 cabbage
- 129 tomatoes
- 130 Other vegetables
- 131 Oranges
- 132 Bananas
- 133 Mangoes
- 134 Other fruits
- 135 Fish sauce and dipping sauce
- 136 Salt
- 137 Spices, powdered soup
- 138 Glutamate
- 139 Sugar, molasses
- 140 Cakes, candied fruits, sweets
- 141 Condensed milk, powdered milk
- 142 Ice creams, yoghurt
- 143 fresh milk
- 144 Alcohol
- 145 Beer
- 146 bottle, canned, boxed beverages
- 147 Instant coffee
- 148 Powdered coffee
- 149 Instant tea powder
- 150 Other dried coffee
- 151 Cigarettes, tobacco
- 152 Betel leaf, areca nut, lime
- 153 Outdoors meals

154 Others

- 7 m5a2c2a : Quantily months bought/bartered
- 8 m5a2c2b : Value months bought/bartered
- 9 m5a2c3a : Quantily purchase or exchange
- 10 m5a2c3b : Value purchase or exchange
- 11 m5a2c4a : Quantily self-subsidy
- 12 m5a2c4b : Value self-subsidy
- 13 m5a2c5a : Quantily gift, donation, present
- 14 m5a2c5b : Value gift, donation, present

29 : muc5b1

- 1 tinh : Province
- 2 huyen : District
- 3 xa : Commune
- 4 diaban : Enumerator area
- 5 hoso : Household code
- 6 m5b1ma : which of the Items has your HH consumed over the last 30 days?

- 201 Pocket money for children
- 202 Coal
- 203 Coal briquette
- 204 Petroleum
- 205 Kerosene
- 206 Mazut oil
- 207 Diesel oil
- 208 LPG
- 209 Natural gas
- 210 Firewood, husk, sawdust
- 211 Farm by-products
- 212 Other type of fuel
- 213 Deposit fees for vehicles
- 214 Matches, candles, fire stones, lighters
- 215 Soap/detergent, softening solution
- 216 Dish washing, floor-cleaning liquid
- 217 Shampoo, conditioning
- 218 Bath soap, shower gel
- 219 Skin-nourishing cream, powder and lipsticks
- 220 Toothpaste, tooth brushes
- 221 Toilet paper, razorblades
- 222 Book, newspaper, magazines
- 223 Books, newspapers for children
- 224 Fresh flowers
- 225 Lottery tickets
- 226 Items for workshop
- 227 Haircut, hairdressing
- 228 Other daily expenditures

- 7 m5b1c2 : Value bought per month
- 8 m5b1c3 : Purchase or exchange value
- 9 m5b1c4 : value self-subsidy
- 10 m5b1c5 : value gift, donation, present

30 : muc5b2

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m5b2ma : which is the Items HH has consumed for last 12 months?
 7 m5b2c2 : Value bought per year
 8 m5b2c3 : Value Self generated/given value per year

31 : muc5b3

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m5b3c2_1 : Fees and charges on administrative and legal services for daily-life requirement
 7 m5b3c2_2 : Contributions to various funds over the past 12 months
 8 m5b3c2_3 : Cash contributions in lieu of public labor and other obligations over the past 12 months
 9 m5b3c2_4 : All kinds of taxes over the past 12 months
 10 m5b3c2_5 : Wedding of a household member over the past 12 months
 11 m5b3c2_6 : Funeral and death anniversaries over the past 12 months
 12 m5b3c2_7 : Organization of parties and entertaining activities over the past 12 months
 13 m5b3c2_8 : Gifts, donation, support,..over the past 12 months
 14 m5b3c2_9 : Other expenses over the past 12 months

32 : muc6

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m6ma_01 : Automobile
 7 m6ma_02 : Motorbike
 8 m6ma_03 : Bicycle
 9 m6ma_04 : Ship,boat,junk,outer part with a motor
 10 m6ma_05 : Ship,boat,junk,outer part without a motor
 11 m6ma_06 : Other means of travel
 12 m6ma_07 : Pumping machine
 13 m6ma_08 : Electricity generator
 14 m6ma_09 : Printer
 15 m6ma_10 : Fax machine
 16 m6ma_11 : Landline telephone
 17 m6ma_12 : Mobile telephone
 18 m6ma_13 : Sewing machine
 19 m6ma_14 : Video player,DVD player,digital player,satellite antenna
 20 m6ma_15 : Color TV

21 m6ma_16 : Black and white TV
 22 m6ma_17 : Music rack
 23 m6ma_18 : Radio/radio-cassette player
 24 m6ma_19 : Disk player
 25 m6ma_20 : Computer
 26 m6ma_21 : Camera, video recorder
 27 m6ma_22 : Refrigerator
 28 m6ma_23 : Air conditioner
 29 m6ma_24 : Washing machine, drying machine
 30 m6ma_25 : Electric fan
 31 m6ma_26 : water heater
 32 m6ma_27 : GAs cooker, magnetic cooker
 33 m6ma_28 : Electric cooker, electric rice cooker, pressure cooker
 34 m6ma_29 : Trolleys
 35 m6ma_30 : Cupboard, cabinet, wardrobe
 36 m6ma_31 : Bed
 37 m6ma_32 : Desk, chair, long bench, dressing table
 38 m6ma_33 : Vacuum cleaner, dehumidifier, water filter
 39 m6ma_34 : Microwave oven, banking oven
 40 m6ma_35 : Juice extractor, citrus juicer
 41 m6ma_36 : Piano, keyboard
 42 m6ma_37 : Others

33 : muc6b

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m6c2 : Durables household has purchased or received or self-produced over the
 past 10 ye
 7 m6c3 : Quantity
 8 m6c4t : Purchased month
 9 m6c4n : Purchased year
 10 m6c5 : The value at purchase reception, self-production
 11 m6c6 : Current price

34 : muc7

1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m7c1 : No of houses/flats HH living in
 7 m7c2 : Total living area?
 8 m7c3 : The main material as poles(or pillars, or carrying walls of the house
 1 Reinforcement concrete
 2 Bricks/stones
 3 Iron/steel/good wood
 4 Poor-quality wood/bamboo

- 5 Others
- 9 m7c4 : The main material as roofing of the house
 - 1 Reinforcement concrete
 - 2 Tiles (cement, terracotta)
 - 3 Roof slabs (cement, metal)
 - 4 Leave/straw/rolled roofing
 - 5 Others
- 10 m7c5 : The main material as walls or surrounding of the house
 - 1 Reinforcement concrete
 - 2 Bricks/stones
 - 3 Wood/metal
 - 4 Calcareous soil/straw
 - 5 Bamboo partitions/hardboards
 - 6 Others
- 11 m7c6 : Does your household pay rents?
 - 1 Yes
 - 2 No
- 12 m7c7 : How much HH spent on rents over past 12 months?
- 13 m7c8 : What is the duration of existing contract?
- 14 m7c9 : Cost of the house HH living in at current price?
- 15 m7c10 : Does HH have any other land plots or houses/flats?
 - 1 Yes
 - 2 No
- 16 m7c11 : Does HH receive rents from those residential land lost or house
 - 1 Yes
 - 2 No
- 17 m7c12 : How much has HH received from leasing residential land and house
- 18 m7c13 : Expenditure on house repair and maintenance over past 12 months
- 19 m7c14 : The main drinking water supply of HH
 - 1 tap water reaching the house
 - 2 Public tap water
 - 3 drilled wells
 - 4 protected dug well
 - 5 unprotected dug well
 - 6 Protected stream water
 - 7 Unprotected stream water
 - 8 Bought water
 - 9 Rain water
 - 10 Others
- 20 m7c15a : Do HH treat drinking water by boiling
 - 1 Yes
 - 2 No
- 21 m7c15b : Do HH treat drinking water by a filter or chemicals
 - 1 Yes
 - 2 No
- 22 m7c16 : Money HH spent on water for drinking and other over past 12 months
- 23 m7c17 : Type of toilet
 - 1 septic/semi-septic tank
 - 2 suilabh
 - 3 double septic tank

- 4 fishing bridge
- 5 Others
- 6 None
- 24 m7c18 : Main source of lighting?
 - 1 National-grid electricity
 - 2 battery lamp, resin torch
 - 3 gas, oil, kerosene lamps
 - 4 others
- 25 m7c19 : For last month, How much money has HH spent on electricity?
- 26 m7c19k : For last month, how many KWs has HH consumed?
- 27 m7c20 : Money paid for electricity in the past 12 months
- 28 m7c21 : How has HH disposed garbage?
 - 1 Somebody else collects it
 - 2 Dumping into ponds, lakes, rivers, streams
 - 3 Dumping in a nearby site
 - 4 Landfill burial
 - 5 Burning
 - 6 Others
- 29 m7c22 : Money paid for daily-life waste in the past 12 months
 - 1 collected
 - 2 dumped in river/lake
 - 3 dumped in a site nearby
 - 4 Landfill burial
 - 5 buried
 - 6 Others
- 30 m7c23 :
- ### 35 : muc8 #####
- 1 tinh : Province
- 2 huyen : District
- 3 xa : Commune
- 4 diaban : Enumerator area
- 5 hoso : Household code
- 6 m8c1a : HH classified as a poor of the commune/ward in the following y2006?
 - 1 Yes
 - 2 No
- 7 m8c1b : HH classified as a poor of the commune/ward in the following y2007?
 - 1 Yes
 - 2 No
- 8 m8c1c : HH classified as a poor of the commune/ward in the following y2008?
 - 1 Yes
 - 2 No
- 9 m8c1d : HH classified as a poor of the commune/ward in the following y2009?
 - 1 Yes
 - 2 No
- 10 m8c1e : HH classified as a poor of the commune/ward in the following y2010?
 - 1 Yes
 - 2 No
- 11 m8c21_01 : Support in purchasing health insurance cards 2009
 - 1 Yes

- 2 No
3 Doesnt know
- 12 m8c21_02 : Reduction of and exemption from costs of medical checks/treatment for the poor 20
1 Yes
2 No
3 Doesnt know
- 13 m8c21_03 : reduction of and exemption from tuition fees for the poor 2009
1 Yes
2 No
3 Doesnt know
- 14 m8c21_04 : Policy-based scholarships 2009
1 Yes
2 No
3 Doesnt know
- 15 m8c21_05 : Vocational training for the poor and low-income earners 2009
- 16 m8c21_06 : Support in housing and residential land for poor households 2009
1 Yes
2 No
3 Doesnt know
- 17 m8c21_07 : Support in cleaning/improving daily-life water supplies for poor households 2009
1 Yes
2 No
3 Doesnt know
- 18 m8c21_08 : Providing productive land for poor ethnic minorities households 2009
1 Yes
2 No
3 Doesnt know
- 19 m8c21_09 : Extension services in agriculture, forestry and fisheries 2009
1 Yes
2 No
3 Doesnt know
- 20 m8c21_10 : Support in migrating abroad for employment 2009
1 Yes
2 No
3 Doesnt know
- 21 m8c21_11 : Food aid 2009
1 Yes
2 No
3 Doesnt know
- 22 m8c21_12 : Subsidized petroleum/kerosene for fishing boat(s)/vessel(s) 2009
1 Yes
2 No
3 Doesnt know
- 23 m8c21_13 : Preferential credit for the poor 2009
1 Yes
2 No
3 Doesnt know
- 24 m8c21_14 : Support in machinery, production inputs 2009

- 1 Yes
2 No
3 Doesnt know
- 25 m8c21_15 : others 2009
1 Yes
2 No
3 Doesnt know
- 26 m8c22_01 : Support in purchasing health insurance cards 2010
1 Yes
2 No
3 Doesnt know
- 27 m8c22_02 : Reduction of and exemption from costs of medical checks/treatment for the poor 20
1 Yes
2 No
3 Doesnt know
- 28 m8c22_03 : reduction of and exemption from tuition fees for the poor 2010
1 Yes
2 No
3 Doesnt know
- 29 m8c22_04 : Policy-based scholarships 2010
1 Yes
2 No
3 Doesnt know
- 30 m8c22_05 : Vocational training for the poor and low-income earners 2010
- 31 m8c22_06 : Support in housing and residential land for poor households 2010
1 Yes
2 No
3 Doesnt know
- 32 m8c22_07 : Support in cleaning/improving daily-life water supplies for poor households 2010
1 Yes
2 No
3 Doesnt know
- 33 m8c22_08 : Providing productive land for poor ethnic minorities households 2010
1 Yes
2 No
3 Doesnt know
- 34 m8c22_09 : Extension services in agriculture, forestry and fisheries 2010
1 Yes
2 No
3 Doesnt know
- 35 m8c22_10 : Support in migrating abroad for employment 2010
1 Yes
2 No
3 Doesnt know
- 36 m8c22_11 : Food aid 2010
1 Yes
2 No
3 Doesnt know

- 37 m8c22_12 : Subsidized petroleum/kerosene for fishing boat(s)/vessel(s) 2010
 1 Yes
 2 No
 3 Doesnt know
- 38 m8c22_13 : Preferential credit for the poor 2010
 1 Yes
 2 No
 3 Doesnt know
- 39 m8c22_14 : Support in machinery, production inputs 2010
 1 Yes
 2 No
 3 Doesnt know
- 40 m8c22_15 : others 2010
 1 Yes
 2 No
 3 Doesnt know
- 41 m8c2a : Number of months of vocational training provided
- 42 m8c2b : The total area that HH has ben provided
- 43 m8c3 : Borrowed from or remained to preferential credit schemes for the poor in 2010
 1 yes
 2 no
- 44 m8c9 : Compared with 2006, has HH member's life been improved?
 1 Yes, very much
 2 Yes
 3 unchanged
 4 Worse
 5 does/t know
- 45 m8c10a : The first reason why life is worse
 1 Increased production costs in agriculture, forestry and fisheries products
 2 Low selling prices of agricultural, forestry and fisheries products
 3 Cattle and poultry suffer from epidemics or death
 4 Droughts, floods, pests, and harvest loss affect agricultural, forestry and fisheries production
 5 Household member(s) is sick or dies
 6 High prices of food, foodstuff, and other consumer goods
 7 Low incomes
 8 Job loss or underemployment
 9 Conflicts or other problems among family members/friends/neighbors
 10 Decreased arable land/water surface for aquaculture production
 11 Unfortunate events
 12 others
- 46 m8c10b : The second reason why life is worse
 1 Increased production costs in agriculture, forestry and fisheries products
 2 Low selling prices of agricultural, forestry and fisheries products
 3 Cattle and poultry suffer from epidemics or death
 4 Droughts, floods, pests, and harvest loss affect agricultural,

forestry and fisheries production

- 5 Household member(s) is sick or dies
- 6 High prices of food, foodstuff, and other consumer goods
- 7 Low incomes
- 8 Job loss or underemployment
- 9 Conflicts or other problems among family members/friends/neighbors

- 10 Decreased arable land/water surface for aquaculture production
- 11 Unfortunate events
- 12 others

47 m8c10c : The third reason why life is worse

- 1 Increased production costs in agriculture, forestry and fisheries products
- 2 Low selling prices of agricultural, forestry and fisheries

products

- 3 Cattle and poultry suffer from epidemics or death
- 4 Droughts, floods, pests, and harvest loss affect agricultural, forestry and fisheries production

forestry and fisheries production

- 5 Household member(s) is sick or dies
- 6 High prices of food, foodstuff, and other consumer goods
- 7 Low incomes
- 8 Job loss or underemployment
- 9 Conflicts or other problems among family members/friends/neighbors

members/friends/neighbors

- 10 Decreased arable land/water surface for aquaculture production
- 11 Unfortunate events
- 12 others

48 m8c11a : consumption of food over the last 30 days

- 1 insufficient
- 2 sufficient
- 3 more than sufficient
- 4 No comment

49 m8c11b : consumption of foodstuff over the last 30 days

- 1 insufficient
- 2 sufficient
- 3 more than sufficient
- 4 No comment

50 m8c12a : consumption of electricity over the last 30 days

- 1 insufficient
- 2 sufficient
- 3 more than sufficient
- 4 No comment

51 m8c12b : consumption of water over the last 30 days

- 1 insufficient
- 2 sufficient
- 3 more than sufficient
- 4 No comment

52 m8c12c : consumption of housing over the last 30 days

- 1 insufficient
- 2 sufficient
- 3 more than sufficient

4 No comment
 53 m8c13 : consumption of clothing and footwear over the last 30 days
 1 insufficient
 2 sufficient
 3 more than sufficient
 4 No comment

36 : muc8vayno #####
 1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 m8ma : Order
 7 m8c4 : Which preferential credit scheme has your household borrowed
 from/remained indeb
 1 Social Policy Bank
 2 Employment Support Fund
 3 Poverty Reduction Fund
 4 Socio-political organisations
 5 Others
 8 m8c5 : Value of this loan?
 9 m8c6a : The interest rate of this loan?
 10 m8c6b : Time unit
 1 month
 2 quarter
 3 6 months
 4 year
 11 m8c7 : Does your household have to pay any costs to get this loan?
 12 m8c8 : The (outstanding) balance of this loan? (including principal and
 interest)?

37 : ttchung #####
 1 tinh : Province
 2 huyen : District
 3 xa : Commune
 4 diaban : Enumerator area
 5 hoso : Household code
 6 quyen : Income/Income & Expenditure
 1 Income & Expenditure
 2 Income
 7 tsphieu :
 8 ttnt : Urban/Rural
 1 Urban
 2 Rural
 9 dantoc : Household head's ethnicity
 10 phdich : Interpretation
 1 Yes
 2 No
 11 dtv : Surveyor's ID code

12 dt	:	Team leader' ID code
13 ngaydt	:	Date of survey
14 thangdt	:	Month of survey
15 tsnguai	:	Hosehold size
16 m1b1	:	Is there any a servant, home worker, lodger or house sharer?
		1 Yes
		2 No
17 tsmuc1b	:	Total number of home worker
18 m2act	:	Total Quest11k And Quest 14
19 m2atn	:	2TN. C 駭 g c ㄅ u 12 v ㄛ 13 (q. xanh)
20 m2btn	:	Total Quest 12 and Quest 13
21 m4atn1	:	Total of Q11-section 4A
22 m4atn2	:	Total of Q12a and 12b-section 4A
23 m4atn3	:	Total of Q23-section 4A
24 m4atn4	:	Total of Q24a and 24b section 4A
25 m4atn5	:	Total of Q26 section 4A
26 m4atn6	:	Total of Q28 section 4A
27 m4atn	:	Total income from wages
28 m4b21a	:	Raised livestock in past 12 month?
		1 Yes
		2 No
29 m4b21b	:	Was the damage caused by natural disaster, pest diseases,...?
		1 Yes
		2 No
30 m4b21t	:	Total of question 5 from line 1 to 18
31 kydt	:	Ky dieu tra
32 m4b0c1	:	Used or managed land for agri&forestry or water surface aquaculture
		1 Yes
		2 No
33 m4b0tn	:	Total of Q5-section 4B0
34 m4b1a	:	Harvested any products from planting activities in past 12 month?
		1 Yes
		2 No
35 m4b1b	:	Was the damage caused by natural disaster, pest diseases,...?
		1 Yes
		2 No
36 m4b11t	:	Total of Q8 section 4B1.1
37 m4b12t	:	Total of Q7 section 4B1.2
38 m4b13t	:	Total of Q7 section 4B1.3
39 m4b14t	:	Total of Q7 section 4B1.4
40 tongthu_01	:	Total of household revenue
41 tongthu_02	:	Income from subsidies, scholarship
42 tongthu_03	:	Income from health subsidies
43 tongthu_04	:	Income from wage
44 tongthu_05	:	Revenue from renting out agricultural and forestry land and water surface
45 tongthu_06	:	Revenue from crop
46 tongthu_07	:	Revenue from husbandry
47 tongthu_08	:	Revenue from hunting, trapping and domestication
48 tongthu_09	:	Revenue from agricultural services
49 tongthu_10	:	Revenue from forestry

- 50 tongthu_11 : Revenue from aquaculture
 51 tongthu_12 : Other income
 52 tongthu_13 : Other revenues included in incomes
 53 tongthu_14 : Revenues from renting out house(s) and residential land
 54 m4b22t : Question 5 line 19
 55 m4b21c : Total of quest 19 from line 1 to 10
 56 m4b22c : Quest 19 line 11
 57 m4b31a : Agricul. services in past 12 months?
 1 Yes
 2 No
 58 m4b31b : Was the damage caused by natural disaster, pest diseases,...?
 1 Yes
 2 No
 59 m4b3t : Total revenue from Agri Services
 60 m4b3c : Total expense on Agri Services
 61 m4b41a : Revenue from forestry activities?
 1 Yes
 2 No
 62 m4b41b : Was the damage caused by natural disaster, pest diseases,...?
 1 Yes
 2 No
 63 m4b4t : Total revenue from Forestry
 64 m4b4c : Total expense on Forestry
 65 chisxkd_1 : Expenditure on business
 66 chisxkd_2 : Expenditure on crops
 67 chisxkd_3 : Expenditure on livestock
 68 chisxkd_4 : Expenditure on hunting, trapping..
 69 chisxkd_5 : Expenditure on agricultural services
 70 chisxkd_6 : Expenditure on forestry
 71 chisxkd_7 : Expenditure on aquaculture
 72 chisxkd_8 : Expenditure on non-farm business
 73 thunhap : **Total Income**
 74 thubq : **income per capita per month**
 75 chikhac_1 : Expenditure on education
 76 chikhac_2 : Expenditure on health
 77 chikhac_3 : Expenditure on foods and drinks during holidays
 78 chikhac_4 : Daily expenditure on foods and drinks
 79 chikhac_5 : Daily expenditure on non-food
 80 chikhac_6 : Yearly Non-food expenditure
 81 chikhac_7 : Other expenditure considered as consumption
 82 chikhac_8 : Expenditures on durables over the past 12 month
 83 chikhac_9 : Recurrent expenditures on housing, electricity, water, and daily life waste
 84 m4b5c1a : Aquatic activities in past 12 months?
 85 m4b5c1b : Was the damage caused by natural disaster, pest diseases,...?
 1 Yes
 2 No
 86 m4b5t : Total revenue from Aquaculture
 87 m4b5c : Total expense on Aquaculture
 88 m4c1 : Non-farm activities?

```

1
2 Kh ̣ng
89 m4ctt      : Total revenue from non-farm
90 m4ct       : Total revenue belongs to household
91 m4cct      : Total expense on non-farm
92 m4cc       : Total expense on non-farm allocated for HH
93 m4dtn      : Income from other sources
94 m5a1ct     : Total of Q4 and Q5 section 5A1
95 m5a1c4     : Total of Q2B section 5A1
96 m5a1c5     : Total of Q3B section 5A1
97 m5a2ct     : Total of Q2B from code 101 to 154 section 5A2
98 m5a2c6     : Total of 3B from code 101 to code 154 section 5A2
99 m5a2c7     : Total of 4B from code 101 to code 154 section 5A2
100 m5a2c8    : Total of 5B from code 101 to code 154 section 5A2
101 m5b1ct    : Total of Q2 section 5B1
102 m5b1c6    : Total of Q3 section 5B1
103 m5b1c7    : Total of Q4 section 5B1
104 m5b1c8    : Total of Q5 section 5B1
105 m5b2ct    : Total of Q4 and Q5 section 5B2
106 m5b2c4    : Total of Q2 section 5B2
107 m5b2c5    : Total of Q3 section 5B2
108 m5b3ct    : Total of Q2 section 5B3
109 m6c7      : Total of Q5 section 6
110 m3c1      : Has anyone in your HH visited medical establishment...
                1 Yes
                2 No
111 m3ct1     : Total of Q5 section 3
112 m3ct2     : Total of Q6 section 3
113 m3ct3     : Total of Q11 section 3
114 m3ct      : healthcare expenditures
115 m3tn      : Total of Q15 section 3
116 m4b15t    : Total of Q5 section 4B1.5
117 m4b1t     : Total revenues from crops
118 m4b1c     : Total cost of crops

### 38 : weight10 #####
1 tinh       : Tinh/Province
2 huyen      : Huyen/District
3 xa         : Xa/Commune
4 diaban     : Dia ban/Cluster
5 wt9        : Quyen so 9.000 ho/Weight of 9,000 HHs

```

4.2 Summary of data files

The data files of VHLSS 2010 are summarized as the next.

No.	STATA filenames	Section	Main contents	No. of variables	No. of records	Unit of records
1	hhexpe10.dta	Summary of living standards used only for office internal use	(Note: The definitions of many variables are unclear.)	53	9,399	Household
2	muc1a.dta	Section 1A: List of household members	Demographics	18	36,999	Individual
3	muc1b.dta	Section 1b: List of domestic helps and migrant labourers	Servants and migrant labourers from the household (Note: The next sections do not apply to the people in this list.)	17	1,221	Individual
4	muc2.dta	Section 2: Education	School attendance, educational degree, expenditure	34	36,999	Individual
5	muc3a.dta	Section 3: Healthcare	Medical services	16	19,647	Individual
6	muc3b.dta	Section 3: Healthcare	Health insurance card	15	36,999	Individual
7	muc4a.dta	Section 4: Income	Part 4A: Employment, salaries and wages	53	36,999	Individual
8	muc4b0.dta	Section 4: Income	Part 4B0: Farm land, forestry land and aquaculture water surface	9	11,619	Household, Land piece
9	muc4b11.dta	Section 4: Income	Part 4B1.1: Rice	12	13,588	Household, Type of rice
10	muc4b12.dta	Section 4: Income	Part 4B1.2: Staple food crops, non-staple food crops, and other annual crops	11	13,157	Household, Kind of crops

11	muc4b13.dta	Section 4: Income	Part 4B1.3: Annual and perennial industrial crops	12	3,012	Household, Kind of crops
12	muc4b14.dta	Section 4: Income	Part 4B1.4: Fruit trees	12	7,207	Household, Kind of fruit
13	muc4b15.dta	Section 4: Income	Part 4B1.5: Revenues from harvested by-products	10	6,638	Household, Kind of by-product
14	muc4b16.dta	Section 4: Income	Part 4B1.6: Costs of cultivation	13	47,482	Household, Kind of expense
15	muc4b17.dta	Section 4: Income	Part 4B1.7: Quantity of fertilizers used by the household for plants	11	15,124	Household, Type of fertilizer
16	muc4b21.dta	Section 4: Income	Part 4B2.1: Revenues from husbandry, hunting, trapping and domestication of birds and animals	10	12,967	Household, Kind of product
17	muc4b22.dta	Section 4: Income	Part 4B2.2: Costs of husbandry, hunting, trapping and domestication of birds and animals	29	8,111	Household, Kind of livestock breeding
18	muc4b31.dta	Section 4: Income	Part 4B3.1: Revenues from agricultural service activities	9	200	Household, Kind of activities
19	muc4b32.dta	Section 4: Income	Part 4B3.2: Costs of agricultural service activities	27	199	Household, Kind of activities
20	muc4b41.dta	Section 4: Income	Part 4B4.1: Forestry revenues	13	3,504	Household, Kind of products/activities
21	muc4b42.dta	Section 4: Income	Part 4B4.2: Costs of forestry activities and services	30	2,119	Household, Kind of activities/services
22	muc4b51.dta	Section 4: Income	Part 4B5.1: Revenues from aquaculture	10	2,671	Household, Kind of product

23	muc4b52.dta	Section 4: Income	Part 4B5.2: Costs of aquaculture-related activities	30	2,013	Household, Kind of activities
24	muc4c1.dta	Section 4: Income	Part 4C1: Revenues from production and business, non-agricultural, forestry and aquaculture services; processing of agricultural, forestry and aquatic products	23	4,007	Household, Kind of sectoral activities
25	muc4c2.dta	Section 4: Income	Part 4C2: Costs of production and business, non-agricultural, forestry and aquaculture services; processing of agricultural, forestry and aquatic products	32	4,007	Household, Kind of sectoral activities
26	muc4d.dta	Section 4: Income	Part 4D: Other revenues included in incomes	29	9,399	Household Kind of sources
27	muc5a1.dta	Section 5: Expenditure	Part 5A1: Expenditure on foods and drinks on festive occasions	10	136,854	Household, Expenditure item
28	muc5a2.dta	Section 5: Expenditure	Part 5A2: Recurrent expenditures on food and drinks (over the past 30 days)	14	236,630	Household, Expenditure item
29	muc5b1.dta	Section 5: Expenditure	Part 5B1: Expenditures on daily non-food items and other expenditures	10	111,034	Household, Expenditure item
30	muc5b2.dta	Section 5: Expenditure	Part 5B2: Annual consumption on daily non-food items and other expenditures	8	119,120	Household, Expenditure item
31	muc5b3.dta	Section 5: Expenditure	Part 5B3: Other costs as expenditures	14	9,399	Household, Expenditure item
32	muc6.dta	Section 6: Durables	Possession of durables	42	9,399	Household Durable codes
33	muc6b.dta	Section 6: Durables	Purchase of durables	11	91,597	Household, Durable codes

34	muc7.dta	Section 7: Housing		30	9,399	Household
35	muc8.dta	Section 8: Participation in aid schemes		53	9,399	Household
36	muc8vayno.dta	Section 8: Participation in aid schemes		12	1,367	Household
37	ttchung.dta	Summary	Summary of income and expenditure	118	9,399	Household
38	weight10.dta	Weight	Weight for income-expenditure sample	5	3,133	Enumeration area

4.3 Weight data

The file “weight10.dta” is weight data by diaban (enumeration area). The number of record is 3,133, the same as the number of unique diaban codes in data files. The variables are tinh (province), huyen (district), xa (commune), diaban (enumeration area) and wt9.

Remarks: In VHLSS 2006, weight data were given by xa (commune).

```
> d<-lss2010[[38]] # weight10
```

```
> dim(d)
```

```
[1] 3133    5
```

```
> head(d)
```

	tinh	huyen	xa	diaban	wt9
1	1	1	4	12	3977
2	1	1	7	22	4805
3	1	1	16	15	4140
4	1	1	22	19	4471
5	1	1	28	20	3820
6	1	1	34	25	3997

```
> t<-sapply(d, range)
```

```
> rownames(t)<-c("Min", "Max")
```

```
> t
```

	tinh	huyen	xa	diaban	wt9
Min	1	1	4	1	369
Max	96	973	32248	91	7936

✓ Defined the variable of commune identifier “xaid” in weight10;

```
> wt<-d # weight10
```

```
> wt[,"xaid"]<-as.character(as.integer(wt$xa)+(10^5)*as.integer(wt$huyen)+
+ (10^8)*as.integer(wt$tinh))
```

```
> head(wt)
```

	tinh	huyen	xa	diaban	wt9	xaid
1	1	1	4	12	3977	100100004

```

2    1    1  7    22 4805 100100007
3    1    1 16    15 4140 100100016
4    1    1 22    19 4471 100100022
5    1    1 28    20 3820 100100028
6    1    1 34    25 3997 100100034
> length(unique(wt$xaid))
[1] 3132

```

```

# There are one duplicated xaid.
> wt$xaid[duplicated(wt$xaid)==T]
[1] "5455722053"
> wt[wt$xaid== "5455722053",]
      tinh huyen  xa diaban wt9      xaid
1749   54   557 22053      5 1605 5455722053
1750   54   557 22053     26 1790 5455722053

```

**Summary: xaid=5455722053 has two enumeration areas with different weights.
So, the EA identifier "eaid" should be defined.**

```

> wt$eaid<-paste(wt$xaid, formatC(wt$diaban, width=2, flag="0"), sep="")
> head(wt)
      tinh huyen xa diaban wt9      xaid      eaid
1     1     1  4    12 3977 100100004 10010000412
2     1     1  7    22 4805 100100007 10010000722
3     1     1 16    15 4140 100100016 10010001615
4     1     1 22    19 4471 100100022 10010002219
5     1     1 28    20 3820 100100028 10010002820
6     1     1 34    25 3997 100100034 10010003425
> length(unique(wt$eaid))
[1] 3133

```

```

✓ Number of eaid within xaid
> eas<-tapply(wt$eaid, wt$xaid, length)
> table(eas)
eas
 1    2

```

3131 1

4.4 Defining identifiers in data files and appending weight to data files

Three kind of identifier was generated as in the next table;

- ◆ eaid for weight data file.
- ◆ eaid and ID for household-level data files.
- ◆ eaid, ID and PID for individual-level data files including the variable “matv” of member code.

Variable	Description	Length	Type	Identifier		
				EA	Household	Person
tin	province	2	Numeric	eaid	ID	PID
huyen	district	3	Numeric			
xa	commune	5	Numeric			
diaban	enumeration area	2	Numeric			
hoso	household code	2	Numeric			
matv	member code	2	Numeric			

$$\text{eaid} = \text{diaban} + (10^2) * \text{xa} + (10^7) * \text{huyen} + (10^{10}) * \text{tin}$$

$$\begin{aligned} \text{ID} &= \text{hoso} + (10^2) * \text{diaban} + (10^4) * \text{xa} + (10^9) * \text{huyen} + (10^{12}) * \text{tin} \\ &= \text{hoso} + (10^2) * \text{eaid} \end{aligned}$$

$$\begin{aligned} \text{PID} &= \text{matv} + (10^2) * \text{hoso} + (10^4) * \text{diaban} + (10^6) * \text{xa} + (10^{11}) * \text{huyen} + (10^{14}) * \text{tin} \\ &= \text{matv} + (10^2) * \text{ID} \end{aligned}$$

Note: The above identifier were generated as character, because eaid is 12 digits.

```
> head(wt)
  tin huyen xa diaban wt9      xaid      eaid
1   1     1  4     12 3977 100100004 10010000412
2   1     1  7     22 4805 100100007 10010000722
3   1     1 16     15 4140 100100016 10010001615
4   1     1 22     19 4471 100100022 10010002219
5   1     1 28     20 3820 100100028 10010002820
```

```

6      1      1 34      25 3997 100100034 10010003425
> wt.old<-wt
> wt<-wt[, c(7, 5)]
> colnames(wt)<-c("ea id", "wt")
> head(wt)
      ea id    wt
1 10010000412 3977
2 10010000722 4805
3 10010001615 4140
4 10010002219 4471
5 10010002820 3820
6 10010003425 3997
> dim(wt)
[1] 3133    2

```

Remarks:

Although the length of commune code (xa) in VHLSS is 5 digits, it was 2 digits in VHLSS 2004 and 2006.

According to the delegates from Vietnam, GSO has changed the administrative code since 2007. The Household survey sample size is picked up from the Population Census in 2009. Because the Population Census 2009 followed new administrative code, therefore, the code in Household survey 2010 was changed. However, there was no change in sample design. In master sample, each commune has three EAs and only one will be allocated for each year VHLSS.

- ✓ Generated the variables of identifier eaid and ID in all data files, and appended weight to all data files.

```
> lss2010.old<-lss2010
> for(j in 1:37) {
+ d<-lss2010[[j]]
+ d$eaid<-paste(format(d$tinhh,width=2, flag="0"),
+ formatC(d$huyen,width=3, flag="0"),
+ formatC(d$xa,width=5, flag="0", format="d"),
+ formatC(d$diaban,width=2, flag="0"), sep="")
+ d$ID<-paste("ID", d$eaid, format(d$hoso,width=2, flag="0"), sep="")
+ d<-merge(d, wt, by="eaid", all.x=T)
+ n<-ncol(d)
+ d<-d[, c(2:n, 1)]
+ lss2010[[j]]<-d
+ }

> dim(lss2010[[1]])
[1] 9399 56
> length(unique(lss2010[[1]]$eaid))
[1] 3133
```

- ✓ Generated the individual identifier PID in individual-level data files including the variable of “matv”.

```
# Numbers of individual-level data files including the variable of “matv”
> ind.files<-c(2,4:7)

> for(j in ind.files) {
+ d<-lss2010[[j]]
+ d$PID<-paste("P", d$ID, formatC(d$matv,width=2, flag="0"), sep="")
+ lss2010[[j]]<-d
+ }
```

```
# Example of results
```

```
> head(lss2010[[2]][, c(1:7, 19:22)])
```

	tin	huyen	xa	diaban	hoso	matv	m1ac2	ID	wt	ea	id
1	1	1	4	12	13	5	1	ID01001000041213	3977	010010000412	
2	1	1	4	12	13	4	1	ID01001000041213	3977	010010000412	
3	1	1	4	12	13	2	1	ID01001000041213	3977	010010000412	
4	1	1	4	12	13	6	2	ID01001000041213	3977	010010000412	
5	1	1	4	12	13	1	2	ID01001000041213	3977	010010000412	
6	1	1	4	12	13	3	1	ID01001000041213	3977	010010000412	

PID

```
1 PID0100100004121305
2 PID0100100004121304
3 PID0100100004121302
4 PID0100100004121306
5 PID0100100004121301
6 PID0100100004121303
```

Number of records and variables in data files

```
> Rnames<-sub("%.dta","", file.names)
```

```
> for(j in 1:38) {
```

```
+ cat(format(Rnames[j],width=11),": ",format(nrow(lss2010[[j]]),width=6),", ",
```

```
+ format(ncol(lss2010[[j]]),width=3),"%n")
```

```
+ }
```

```
hhexpe10 : 9399 , 56
muc1a : 36999 , 22
muc1b : 1221 , 20
muc2 : 36999 , 38
muc3a : 19647 , 20
muc3b : 36999 , 19
muc4a : 36999 , 57
muc4b0 : 11619 , 12
muc4b11 : 13588 , 15
muc4b12 : 13157 , 14
muc4b13 : 3012 , 15
muc4b14 : 7207 , 15
```

muc4b15	:	6638	,	13
muc4b16	:	47482	,	16
muc4b17	:	15124	,	14
muc4b21	:	12967	,	13
muc4b22	:	8111	,	32
muc4b31	:	200	,	12
muc4b32	:	199	,	30
muc4b41	:	3504	,	16
muc4b42	:	2119	,	33
muc4b51	:	2671	,	13
muc4b52	:	2013	,	33
muc4c1	:	4007	,	26
muc4c2	:	4007	,	35
muc4d	:	9399	,	32
muc5a1	:	136854	,	13
muc5a2	:	236630	,	17
muc5b1	:	111034	,	13
muc5b2	:	119120	,	11
muc5b3	:	9399	,	17
muc6	:	9399	,	45
muc6b	:	91597	,	14
muc7	:	9399	,	33
muc8	:	9399	,	56
muc8vayno	:	1367	,	15
ttchung	:	9399	,	121
weight10	:	3133	,	5

4.5 Basic statistics

Item	Value	R scripts	Survey report
Un-weighted number of household	9,399	<pre>> d<-lss2010[[37]] # ttchung > nrow(d) [1] 9399</pre>	
Weighted number of household	22,278,084	<pre>> sum(d\$wt) [1] 22278084</pre>	
Un-weighted number of household members	36,999	<pre>> sum(d\$hhsiz) [1] 36999</pre>	
Weighted number of household members	86,232,933	<pre>> sum(d\$hhsiz*d\$wt) [1] 86232933</pre>	
Household size	3.87	<pre>> sum(d\$hhsiz*d\$wt)/sum(d\$wt) [1] 3.870752</pre>	3.89 *(Table 1.1)
Monthly total consumption per capita (1000 VND)	1,267.3	<pre>> d\$exp<-rowSums(d[,c(75:77,80:83)]) + + rowSums(d[,78:79])*12 # Yearly consumption > sum(d\$exp*d\$wt)/sum(d\$tsnguoi*d\$wt)/12 [1] 1267.316</pre>	1,211 (Table 6.1)
Monthly income per capita (1000 VND)	1,557.0	<pre>> sum(d\$thunhap*d\$wt)/sum(d\$tsnguoi*d\$wt)/12 [1] 1556.983</pre>	1,387.1 *(Table 5.1)

Remarks:

For Table 6.1 in Section 6, there is a note of “For income - consumption expenditure sample” in the survey report. It may imply that other figures such as household size and income in the survey report are estimated from all samples of 45,945 households.

(Ref.)

- 75 chikhac_1 : Expenditure on education
- 76 chikhac_2 : Expenditure on health
- 77 chikhac_3 : Expenditure on foods and drinks during holidays
- 78 chikhac_4 : Daily expenditure on foods and drinks
- 79 chikhac_5 : Daily expenditure on non-food
- 80 chikhac_6 : Yearly Non-food expenditure
- 81 chikhac_7 : Other expenditure considered as consumption
- 82 chikhac_8 : Expenditures on durables over the past 12 month
- 83 chikhac_9 : Recurrent expenditures on housing, electricity, water, and daily life waste

4.6 Sample allocation

✓ The number of province in data set is 63.

```
> d<-lss2010[[1]] # hhexpe10
> length(unique(d$tin))
[1] 63
```

Number of sample household by province

```
> table(d$tin)

 1  2  4  6  8 10 11 12 14 15 17 19 20 22 24 25 26 27 30
420 105 102 102 114 102 102 102 126 114 114 147 108 147 168 156 135 138 183
31 33 34 35 36 37 38 40 42 44 45 46 48 49 51 52 54 56 58
186 147 189 123 195 129 246 225 150 120 102 135 123 159 147 162 123 138 102
60 62 64 66 67 68 70 72 74 75 77 79 80 82 83 84 86 87 89
135 102 141 165 102 141 120 135 177 207 132 351 156 171 153 129 135 168 186
91 92 93 94 95 96
162 138 111 144 114 138
```

✓ The variable of reg6 in hhexp10 represents six region codes. The next table shows the number of sample household by province and region, which is consistent with the province code list at page 4 of the questionnaire;

Relationship between provinces and six regions

```
> table(d$tin, d$reg6)

      1  2  3  4  5  6
1  420  0  0  0  0  0
2    0 105  0  0  0  0
4    0 102  0  0  0  0
6    0 102  0  0  0  0
8    0 114  0  0  0  0
10   0 102  0  0  0  0
11   0 102  0  0  0  0
12   0 102  0  0  0  0
14   0 126  0  0  0  0
15   0 114  0  0  0  0
17   0 114  0  0  0  0
19   0 147  0  0  0  0
20   0 108  0  0  0  0
22  147  0  0  0  0  0
24   0 168  0  0  0  0
25   0 156  0  0  0  0
26  135  0  0  0  0  0
27  138  0  0  0  0  0
```

30	183	0	0	0	0	0
31	186	0	0	0	0	0
33	147	0	0	0	0	0
34	189	0	0	0	0	0
35	123	0	0	0	0	0
36	195	0	0	0	0	0
37	129	0	0	0	0	0
38	0	0	246	0	0	0
40	0	0	225	0	0	0
42	0	0	150	0	0	0
44	0	0	120	0	0	0
45	0	0	102	0	0	0
46	0	0	135	0	0	0
48	0	0	123	0	0	0
49	0	0	159	0	0	0
51	0	0	147	0	0	0
52	0	0	162	0	0	0
54	0	0	123	0	0	0
56	0	0	138	0	0	0
58	0	0	102	0	0	0
60	0	0	135	0	0	0
62	0	0	0	102	0	0
64	0	0	0	141	0	0
66	0	0	0	165	0	0
67	0	0	0	102	0	0
68	0	0	0	141	0	0
70	0	0	0	0	120	0
72	0	0	0	0	135	0
74	0	0	0	0	177	0
75	0	0	0	0	207	0
77	0	0	0	0	132	0
79	0	0	0	0	351	0
80	0	0	0	0	0	156
82	0	0	0	0	0	171
83	0	0	0	0	0	153
84	0	0	0	0	0	129
86	0	0	0	0	0	135
87	0	0	0	0	0	168
89	0	0	0	0	0	186
91	0	0	0	0	0	162
92	0	0	0	0	0	138
93	0	0	0	0	0	111
94	0	0	0	0	0	144
95	0	0	0	0	0	114
96	0	0	0	0	0	138

```

> t<-table(d$reg6)
> region.name<-c("Red River Delta","Midlands and Northern Mountains",
+ "Northern and Coastal Central","Central Highlands",
+ "Southeastern","Mekong Delta")
> names(t)<-region.name

```

```
> t
```

```
# Number of sample households by six regions
```

	Red River Delta	Midlands and Northern Mountains
	1992	1662
Northern and Coastal	Central	Central Highlands
	2067	651
Southeastern		Mekong Delta
	1122	1905

```
# Number of sample by region and urban/rural
```

```
> t<-addmargins(table(d$reg6, d$urban10))
```

```
> rownames(t)<-c(region.name, "Viet Nam")
```

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

```
> t
```

	Rural	Urban	Total
Red River Delta	1425	567	1992
Midlands and Northern Mountains	1329	333	1662
Northern and Coastal	1488	579	2067
Central Highlands	453	198	651
Southeastern	600	522	1122
Mekong Delta	1455	450	1905
Viet Nam	6750	2649	9399

- ✓ According to the survey report, the survey collected information during four periods, each period in one quarter from the second quarter to the fourth quarter in 2010 and one period in the first quarter of 2011.
- ✓ However, the survey month in data file is spread from May to November.

```
> table(d$monthint)
```

6	7	8	9	10	11	12
343	2777	30	2996	160	31	3062

```
# Number of sample by region, urban/rural and survey month
> t<-table(d$reg6, d$monthint, d$urban10)
> dimnames(t)<-list(region.name, c(6:12), c("Rural", "Urban"))
> t
, , Rural
```

	6	7	8	9	10	11	12
Red River Delta	51	432	0	439	38	0	465
Midlands and Northern Mountains	20	425	5	423	24	7	425
Northern and Coastal Central	53	439	3	501	10	18	464
Central Highlands	19	134	0	151	2	4	143
Southeastern	29	169	3	163	36	0	200
Mekong Delta	100	379	7	477	9	0	483

```
, , Urban
```

	6	7	8	9	10	11	12
Red River Delta	12	168	3	186	4	2	192
Midlands and Northern Mountains	6	101	1	105	3	0	117
Northern and Coastal Central	18	166	8	181	20	0	186
Central Highlands	6	66	0	63	0	0	63
Southeastern	12	162	0	166	11	0	171
Mekong Delta	17	136	0	141	3	0	153

4.7 Sample design

```
> d<-lss2010[[1]] # hhexpe10
```

```
> nrow(d)
```

```
[1] 9399
```

```
> head(d[,c(1:5, 12, 14, 15, 54:56)])
```

	tin	huyen	xa	diaban	hoso	urban10	reg6	monthint	ID	wt	ea	id
1	1	1	4	12	13	1	1	9	ID1001000041213	3977	10010000412	
2	1	1	4	12	14	1	1	9	ID1001000041214	3977	10010000412	
3	1	1	4	12	15	1	1	9	ID1001000041215	3977	10010000412	
4	1	1	7	22	13	1	1	7	ID1001000072213	4805	10010000722	
5	1	1	7	22	15	1	1	7	ID1001000072215	4805	10010000722	
6	1	1	7	22	20	1	1	7	ID1001000072220	4805	10010000722	

✓ The household code “hoso” is from 13 to 24.

```
> table(d$hoso)
```

13	14	15	19	20	21	24
2856	2847	2795	572	326	2	1

✓ The household codes from 19 to 24 seems to be set for alternate households.

```
> head(d[d$hoso==24, c(1:5, 12, 14, 15, 54:56)])
```

	tin	huyen	xa	diaban	hoso	urban10	reg6	monthint	ID	wt	ea	id
351	11	96	3163	12	24	0	2	7	ID11096031631224	978	110960316312	

```
> head(d[d$ea==110960316312, c(1:5, 12, 14, 15, 54:56)])
```

	tin	huyen	xa	diaban	hoso	urban10	reg6	monthint	ID	wt	ea	id
349	11	96	3163	12	13	0	2	7	ID11096031631213	978	110960316312	
350	11	96	3163	12	14	0	2	7	ID11096031631214	978	110960316312	
351	11	96	3163	12	24	0	2	7	ID11096031631224	978	110960316312	

```
> head(d[d$hoso==21, c(1:5, 12, 14, 15, 54:56)])
```

	tin	huyen	xa	diaban	hoso	urban10	reg6	monthint	ID	wt	ea	id
3177	36	365	14200	13	21	0	1	9	ID36365142001321	2879	363651420013	
4515	48	495	20260	18	21	1	3	9	ID48495202601821	1896	484952026018	

```
> head(d[d$eaid==363651420013, c(1:5, 12, 14, 15, 54:56)])
```

	tinh	huyen	xa	diaban	hoso	urban10	reg6	monthint	ID	wt	eaid
3175	36	365	14200	13	14	0	1	9	ID36365142001314	2879	363651420013
3176	36	365	14200	13	20	0	1	9	ID36365142001320	2879	363651420013
3177	36	365	14200	13	21	0	1	9	ID36365142001321	2879	363651420013

```
> head(d[d$hoso==19, c(1:5, 12, 14, 15, 54:56)])
```

	tinh	huyen	xa	diaban	hoso	urban10	reg6	monthint	ID	wt	eaid
8	1	1	16	15	19	1	1	9	ID1001000161519	4140	10010001615
12	1	1	22	19	19	1	1	12	ID1001000221919	4471	10010002219
15	1	1	28	20	19	1	1	7	ID1001000282019	3820	10010002820
26	1	2	67	23	19	1	1	9	ID1002000672319	3992	10020006723
30	1	2	79	11	19	1	1	12	ID1002000791119	4137	10020007911
51	1	4	139	50	19	1	1	7	ID1004001395019	3965	10040013950

```
> head(d[d$eaid==10010001615, c(1:5, 12, 14, 15, 54:56)])
```

	tinh	huyen	xa	diaban	hoso	urban10	reg6	monthint	ID	wt	eaid
7	1	1	16	15	14	1	1	9	ID1001000161514	4140	10010001615
8	1	1	16	15	19	1	1	9	ID1001000161519	4140	10010001615
9	1	1	16	15	20	1	1	9	ID1001000161520	4140	10010001615

- ✓ In each enumeration area, three sample households for income-expenditure survey were responded. Non-response was not found. It was the responsibility of Provincial Statistics Office to find alternate households to be assured of 3 households for income-expenditure survey in each enumeration area.

hhs: Number of sample households within eaid is always equal to three.

```
> hhs<-tapply(d$ID, d$eaid, length)
```

```
> dim(hhs)
```

```
[1] 3133
```

```
# Frequency of hhs
```

```
> table(hhs)
```

```
hhs
```

```
3
```

3133

✓ The number of unique value of weight is 1,523.

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

```
[1] 1523
```

✓ The weight is unique within the enumeration area.

```
> wts<-tapply(d$wt, d$eaid, function(x) length(unique(x)))
```

```
> table(wts)
```

```
wts
```

```
1
```

3133

5. Data Check

5.1 Structure of each data file

Displayed the names and types of variables

Note: ID, PID, aeid, wt are excluded in the followings.

```
> Rnames<-sub(".dta","",file.names)
> for(j in 1:38){
+ cat("##",j,"#### ",Rnames[j]," #####\n")
+ print(str(lss2010[[j]]))
+ cat("\n\n")
+ }
```

1 #### hhexpe10

'data.frame': 9399 obs. of 53 variables:

\$ tinh	: int	1 1 1 1 1 1 1 1 1 1 ...
\$ huyen	: int	1 1 1 1 1 1 1 1 1 1 ...
\$ xa	: num	4 4 4 7 7 7 16 16 16 22 ...
\$ diaban	: int	12 12 12 22 22 22 15 15 19 ...
\$ hoso	: int	13 14 15 13 15 20 14 19 20 13 ...
\$ compfoodnom	: num	58468 24629 40370 47132 76362 ...
\$ compricenom	: num	4675 2390 4004 4239 3749 ...
\$ compnonricenom	: num	53793 22240 36365 42893 72613 ...
\$ bestfoodnom	: num	61475 26821 39977 46945 76065 ...
\$ bestricenom	: num	4691 2398 4018 4253 3760 ...
\$ bestnonricenom	: num	56784 24424 35959 42692 72305 ...
\$ urban10	: int	1 1 1 1 1 1 1 1 1 1 ...
\$ reg8	: num	1 1 1 1 1 1 1 1 1 1 ...
\$ reg6	: num	1 1 1 1 1 1 1 1 1 1 ...
\$ monthint	: int	9 9 9 7 7 7 9 9 9 12 ...
\$ hhsize	: num	6 2 4 4 4 5 2 3 4 5 ...
\$ wt9	: int	3977 3977 3977 4805 4805 4805 4140 4140 4140 4471 ...
\$ hhszwt	: num	23862 7954 15908 19220 19220 ...
\$ defltemrice	: num	0.987 0.987 0.987 0.955 0.955 ...
\$ defltemnonricefood	: num	1.06 1.06 1.06 1.06 1.06 ...
\$ defltemnonfood	: num	1.04 1.04 1.04 1.03 1.03 ...
\$ deflGS0spatialfood	: num	1.11 1.11 1.11 1.11 1.11 ...
\$ deflGS0spatialnonfood	: num	1.09 1.09 1.09 1.09 1.09 ...
\$ deflSCOLI	: num	1.26 1.26 1.26 1.26 1.26 ...
\$ compfoodrl	: num	49716 20970 34377 40437 65230 ...
\$ compfoodpcrl	: num	8286 10485 8594 10109 16307 ...
\$ bestfoodrl	: num	45989 20085 29962 35447 57184 ...
\$ bestfoodpcrl	: num	7665 10042 7490 8862 14296 ...
\$ compnonfoodnom	: num	165583 72410 79184 82309 136474 ...
\$ compnonfoodrl	: num	146445 64041 70032 73501 121871 ...
\$ compnonfoodpcrl	: num	24407 32020 17508 18375 30468 ...
\$ comphhnom	: num	224051 97039 119554 129441 212836 ...
\$ compphrl	: num	196161 85010 104409 113938 187101 ...

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```

$ m1ac4b : int 2005 1970 1983 2007 1950 1970 1949 1953 1982 1940 ...
$ m1ac5 : int 4 39 27 3 60 40 61 57 28 69 ...
$ m1ac6 : int NA 2 1 NA 3 2 2 2 1 2 ...
$ m1ac7 : int 12 12 12 12 12 12 12 12 12 12 ...
$ m1ac8 : int NA NA NA NA NA NA NA NA NA NA ...
$ m1ac9 : int 1 1 1 1 1 1 1 1 1 1 ...
$ m1ac10 : int NA NA NA NA NA NA NA NA NA NA ...
$ m1ac11n: int NA NA NA NA NA NA NA NA NA NA ...
$ m1ac11t: int NA NA NA NA NA NA NA NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:32"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 251 251 251 252 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 6
..$ M1AC10: Named int 4 6 8 17 22 40 42 54 56 58 ...
..- attr(*, "names")= chr "***Undefined Label" "***Undefined Label" "***Undefined Label"
***Undefined Label" ...
..$ m1ac2 : Named int 1 2
..- attr(*, "names")= chr "Male" "Female"
..$ m1ac3 : Named int 1 2 3 4 5 6 7
..- attr(*, "names")= chr "Household head" "Wife/husband" "Child" "Father/mother" ...
..$ m1ac6 : Named int 1 2 3 4 5
..- attr(*, "names")= chr "Single" "Married" "Widowed" "Divorced" ...
..$ m1ac8 : Named int 1 2 3 4 5 6
..- attr(*, "names")= chr "Student studies in the country" "Cadre studies in the country"
"Medical treatment in the country/overseas" "Newborn, new comer" ...
..$ m1ac9 : Named int 1 2 3 4 5
..- attr(*, "names")= chr "At this dwelling within com./ward" "Other place within this
province" "Another province" "Others" ...
NULL

```

```

## 3 #### muc1b #####
'data.frame': 1221 obs. of 17 variables:
$ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
$ huyen : int 4 5 8 8 8 8 9 16 19 19 ...
$ xa : num 124 157 313 313 328 337 349 448 592 592 ...
$ diaban : int 39 22 37 37 14 29 7 4 6 6 ...
$ hoso : int 15 14 20 20 14 15 15 15 19 19 ...
$ m1bma : int 31 31 31 32 31 31 31 31 31 32 ...
$ m1bc3 : int 2 2 2 2 2 2 2 1 1 2 ...
$ m1bc4 : int 1 1 1 1 1 1 1 2 2 2 ...
$ m1bc5 : int 58 40 17 21 48 38 39 25 33 31 ...
$ m1bc6 : int 2 2 1 1 2 2 2 2 2 2 ...
$ m1bc7a : int 1 3 2 2 1 2 3 3 9 3 ...
$ m1bc7b : int 0 0 0 0 0 0 0 0 0 0 ...
$ m1bc8 : int 12 9 12 1 11 12 12 5 5 5 ...
$ m1bc9 : int 2 3 3 3 2 3 3 1 1 1 ...
$ m1bc10 : int NA 19 36 36 NA 38 38 NA NA NA ...
$ m1bc11n: int NA 39 3 0 NA 2 0 NA NA NA ...
$ m1bc11t: int NA 3 0 1 NA 0 10 NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:33"

```

```

- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 251 251 252 251 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 7
..$ M1BC10: Named int 4 6 8 17 22 40 42 54 56 58 ...
..- attr(*, "names")= chr "***Undefined Label" "***Undefined Label" "***Undefined Label"
***Undefined Label" ...
..$ m1bc3 : Named int 1 2
..- attr(*, "names")= chr "Male" "Female"
..$ m1bc4 : Named int 1 2
..- attr(*, "names")= chr "Sevant" "Home worker"
..$ m1bc6 : Named int 1 2 3 4 5
..- attr(*, "names")= chr "Never married" "Married" "Widowed" "Divorced" ...
..$ m1bc7a: Named int 0 1 2 3 8 9 10 11 12
..- attr(*, "names")= chr "No degree" "Primary school" "Lower secondary school" "Upper
secondary school" ...
..$ m1bc7b: Named int 0 4 5 6 7
..- attr(*, "names")= chr "No degree" "Short-term technical worker" "Long-term technical
worker" "Professional secondary school" ...
..$ m1bc9 : Named int 1 2 3 4
..- attr(*, "names")= chr "At this dwelling within com./ward" "Other place within this
province" "Another province" "Others"
NULL

```

```

## 4 ##### muc2 #####
'data.frame': 36999 obs. of 34 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
 $ xa : int 4 4 4 4 4 4 4 4 4 4 ...
 $ diaban: int 12 12 12 12 12 12 12 12 12 12 ...
 $ hoso : int 13 13 13 13 13 13 14 14 15 15 ...
 $ matv : int 1 2 3 4 5 6 1 2 1 2 ...
 $ m2c1 : chr "8" "12" "10" "9" ...
 $ m2c2a : int 1 3 2 2 0 0 9 9 9 9 ...
 $ m2c2b : int 4 4 4 4 0 0 0 0 0 0 ...
 $ m2c3 : int 1 1 1 1 3 3 1 1 1 1 ...
 $ m2c4 : int 3 3 3 3 1 1 3 3 3 3 ...
 $ m2c5 : int 2 2 2 2 NA NA 2 2 2 2 ...
 $ m2c6 : int NA NA NA NA 0 0 NA NA NA NA ...
 $ m2c7 : int NA NA NA NA NA NA NA NA NA NA ...
 $ m2c8 : int NA NA NA NA 3 3 NA NA NA NA ...
 $ m2c9 : int NA NA NA NA 2 2 NA NA NA NA ...
 $ m2c10a: int NA NA NA NA NA NA NA NA NA NA ...
 $ m2c10b: int NA NA NA NA NA NA NA NA NA NA ...
 $ m2c11a: int NA NA NA NA 13000 10600 NA NA NA NA ...
 $ m2c11b: int NA NA NA NA 0 0 NA NA NA NA ...
 $ m2c11c: int NA NA NA NA 0 1000 NA NA NA NA ...
 $ m2c11d: int NA NA NA NA 0 200 NA NA NA NA ...
 $ m2c11e: int NA NA NA NA 0 0 NA NA NA NA ...
 $ m2c11f: int NA NA NA NA 0 0 NA NA NA NA ...
 $ m2c11g: int NA NA NA NA 0 0 NA NA NA NA ...
 $ m2c11h: int NA NA NA NA 0 0 NA NA NA NA ...
 $ m2c11i: int NA NA NA NA 0 0 NA NA NA NA ...

```

```

$ m2c11k: int  NA NA NA NA 13000 11800 NA NA NA NA ...
$ m2c12 : int  NA NA NA NA 0 0 NA NA NA NA ...
$ m2c13 : int  NA NA NA NA 0 0 NA NA NA NA ...
$ m2c14 : int  0 0 0 0 0 0 0 0 0 0 ...
$ m2c15a: int  NA NA NA NA 1 1 NA NA NA NA ...
$ m2c15b: int  NA NA NA NA 2 2 NA NA NA NA ...
$ m2c16 : int  10 NA NA NA NA NA NA NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:27"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int  251 252 252 251 251 251 2 251 251 251 ...
- attr(*, "val.labels")= chr "" "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 25
..$ M2AC11A: Named int 0
..- attr(*, "names")= chr "0"
..$ M2AC11B: Named int 0
..- attr(*, "names")= chr "0"
..$ M2AC11C: Named int 0
..- attr(*, "names")= chr "0"
..$ M2AC11D: Named int 0
..- attr(*, "names")= chr "0"
..$ M2AC11E: Named int 0
..- attr(*, "names")= chr "0"
..$ M2AC11F: Named int 0
..- attr(*, "names")= chr "0"
..$ M2AC11G: Named int 0
..- attr(*, "names")= chr "0"
..$ M2AC11H: Named int 0
..- attr(*, "names")= chr "0"
..$ M2AC11I: Named int 0
..- attr(*, "names")= chr "0"
..$ M2AC11K: Named int 0
..- attr(*, "names")= chr "0"
..$ m2ac9 : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m2ac10a: Named int 1 2 3 4 5 6 7 8 9
..- attr(*, "names")= chr "Poor households" "Ethnic minorities" "Households of fallen
combatants" "War invalids, sick soldiers, or with revolutionary merits" ...
..$ m2ac10b: Named int 1 2 3 4 5 6 7 8 9
..- attr(*, "names")= chr "Poor households" "Ethnic minorities" "Households of fallen
combatants" "War invalids, sick soldiers, or with revolutionary merits" ...
..$ M2AC14 : Named int 0
..- attr(*, "names")= chr "0"
..$ M2AC13 : Named int 0
..- attr(*, "names")= chr "0"
..$ M2AC12 : Named int 0
..- attr(*, "names")= chr "0"
..$ m2ac15a: Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m2ac15b: Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m2ac8 : Named int 1 2 3 4
..- attr(*, "names")= chr "Public" "Community-established" "Private" "Others"
..$ m2ac6 : Named int 0 1 2 3 4 5 6 7 8 9 ...

```

```

...- attr(*, "names")= chr "Nursery, kindergarten" "Primary" "Lower secondary" "Higher
secondary" ...
..$ m2ac5 : Named int 1 2
...- attr(*, "names")= chr "Yes" "No"
..$ m2ac4 : Named int 1 2 3
...- attr(*, "names")= chr "Yes" "On summer vacation" "No"
..$ m2ac3 : Named int 1 2 3 4 5
...- attr(*, "names")= chr "Public" "Semi-public" "Community-established" "Private" ...
..$ m2ac2b : Named int 0 1 2 3 4 5 6 7 8 9 ...
...- attr(*, "names")= chr "No qualification" "Primary" "Lower secondary" "Higher
secondary" ...
..$ m2ac2a : Named int 0 1 2 3 4 5 6 7 8 9 ...
...- attr(*, "names")= chr "No qualification" "Primary" "Lower secondary" "Higher
secondary" ...
NULL

```

```

## 5 ##### muc3a #####
'data.frame': 19647 obs. of 16 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
 $ xa : num 4 4 4 4 4 4 4 7 7 7 ...
 $ diaban: int 12 12 12 12 12 12 12 22 22 22 ...
 $ hoso : int 13 13 13 14 14 15 15 15 20 20 ...
 $ matv : int 5 1 6 1 2 2 1 3 2 5 ...
 $ m3c2 : chr "hi u" "an" "ki n" "th nh" ...
 $ m3c3a : int 1 1 1 1 1 1 1 1 1 1 ...
 $ m3c3b : int 3 5 3 6 6 6 6 5 5 5 ...
 $ m3c4 : int 3 3 3 3 3 3 3 3 4 ...
 $ m3c5a : int 2 1 3 1 1 1 1 1 1 3 ...
 $ m3c5b : int 500 100 700 0 0 100 50 150 150 500 ...
 $ m3c6a : int 0 0 0 0 0 0 0 0 0 0 ...
 $ m3c6b : int NA NA NA NA NA NA NA NA NA NA ...
 $ m3c7 : int 1 1 1 1 1 1 1 1 1 1 ...
 $ m3c8 : int NA NA NA NA NA NA NA NA NA NA ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr " 9 May 2012 09:25"
 - attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
 - attr(*, "types")= int 252 252 254 252 252 251 8 251 251 251 ...
 - attr(*, "val.labels")= chr "" "" "" "" ...
 - attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
 - attr(*, "version")= int 12
 - attr(*, "label.table")=List of 8
 ..$ m3c7 : Named int 1 2 3
 ...- attr(*, "names")= chr "Yes, it did" "It had some but not enough" "No"
 ..$ m3c4 : Named int 1 2 3 4
 ...- attr(*, "names")= chr "Vaccination" "Pregnancy checks, insertion of intrauterine devices,
abortion, birth delivery" "Health checks and consultancy" "Medical treatment"
 ..$ m3c3b: Named int 1 2 3 4 5 6 7 8 9 10 ...
 ...- attr(*, "names")= chr "Village/hamlet clinics" "Commune/ward clinics" "Regional general
clinics." "Urban/rural district hospitals" ...
 ..$ M3C8 : Named int 0
 ...- attr(*, "names")= chr "0"
 ..$ M3C6B: Named int 0
 ...- attr(*, "names")= chr "0"
 ..$ M3C6A: Named int 0

```

```

.. ..- attr(*, "names")= chr "0"
..$ M3C5B: Named int 0
.. ..- attr(*, "names")= chr "0"
..$ M3C5A: Named int 0
.. ..- attr(*, "names")= chr "0"
NULL

```

```

## 6 ##### muc3b #####
'data.frame': 36999 obs. of 15 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
 $ xa : num 4 4 4 4 4 4 4 4 4 4 ...
 $ diaban: int 12 12 12 12 12 12 12 12 12 12 ...
 $ hoso : int 13 13 13 13 13 13 14 14 15 15 ...
 $ matv : int 1 2 3 4 5 6 1 2 1 2 ...
 $ m3c9 : int 1 2 1 2 1 1 1 1 1 1 ...
 $ m3c10a: int 7 NA 6 NA 1 1 6 7 7 7 ...
 $ m3c10b: int 0 NA 0 NA 0 0 0 0 0 0 ...
 $ m3c11 : int NA NA NA NA NA NA NA NA NA NA ...
 $ m3c12a: int 1 NA 2 NA 2 2 1 1 1 1 ...
 $ m3c12b: int 2 NA 2 NA 2 2 2 2 2 2 ...
 $ m3c13 : int 100 NA NA NA NA NA 100 NA 200 NA ...
 $ m3c14 : int 10 NA NA NA NA NA 0 NA 100 NA ...
 $ m3c15 : int 0 NA NA NA NA NA 0 NA 0 NA ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr " 9 May 2012 09:25"
 - attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
 - attr(*, "types")= int 252 252 254 252 252 251 251 251 251 253 ...
 - attr(*, "val.labels")= chr "" "" "" "" "" ...
 - attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
 - attr(*, "version")= int 12
 - attr(*, "label.table")=List of 8
 ..$ m3c12b: Named int 1 2
 .. ..- attr(*, "names")= chr "Yes" "No"
 ..$ m3c12a: Named int 1 2
 .. ..- attr(*, "names")= chr "Yes" "No"
 ..$ m3c10 : Named int 1 2 3 4 5 6 7 8 9 10
 .. ..- attr(*, "names")= chr "Booklet/card for children aged 6 or less" "Health insurance card
for the poor" "Health insurance card for the near-poor" "Free healthcare
booklet/card/certificate" ...
 ..$ m3c9 : Named int 1 2
 .. ..- attr(*, "names")= chr "Yes" "No"
 ..$ M3C11: Named int 0
 .. ..- attr(*, "names")= chr "0"
 ..$ M3C13: Named int 0
 .. ..- attr(*, "names")= chr "0"
 ..$ M3C14: Named int 0
 .. ..- attr(*, "names")= chr "0"
 ..$ M3C15: Named int 0
 .. ..- attr(*, "names")= chr "0"
NULL

```

```

## 7 ##### muc4a #####
'data.frame': 36999 obs. of 53 variables:

```

```

$ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
$ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
$ xa : num 4 4 4 4 4 4 4 4 4 4 ...
$ diaban : int 12 12 12 12 12 12 12 12 12 12 ...
$ hoso : int 13 13 13 13 13 13 14 14 15 15 ...
$ matv : int 1 2 3 4 5 6 1 2 1 2 ...
$ m4ac1a : int 2 1 1 2 NA NA 1 1 1 1 ...
$ m4ac1b : int 2 2 2 2 NA NA 2 2 2 2 ...
$ m4ac1c : int 2 2 2 1 NA NA 2 2 2 2 ...
$ m4ac2 : int 2 1 1 1 NA NA 1 1 1 1 ...
$ m4ac3a : int NA 340 312 340 NA NA 144 144 312 264 ...
$ m4ac3m : chr "" "l k i x e" "l k i x e" "b k n t k p h o t" ...
$ m4ac3 : int NA 83 83 52 NA NA 26 23 22 23 ...
$ m4ac4c : chr "" "c t y c p t h a q n h n g a" "c t y v i n a t h o n h c o n g" "c o h o n g s y n t h u x f b" ...
$ m4ac4m : chr "" "v t n c h u y t n" "k d n h t" "b k n b k n h k l o" ...
$ m4ac4 : int NA 49 68 47 NA NA 79 85 86 85 ...
$ m4ac5 : int NA 1 1 1 NA NA 1 1 1 1 ...
$ m4ac6 : int NA 28 26 28 NA NA 12 12 26 22 ...
$ m4ac7 : int NA 8 8 10 NA NA 8 8 8 4 ...
$ m4ac8a : int NA 4 5 2 NA NA 5 4 4 1 ...
$ m4ac8b : int NA NA 1 NA NA NA 2 NA NA NA ...
$ m4ac9 : int NA 1 1 2 NA NA 1 1 1 1 ...
$ m4ac10 : int NA 2835 3308 NA NA NA 6661 6661 4283 1903 ...
$ m4ac11 : int NA 34023 39693 NA NA NA 79935 79935 51393 22841 ...
$ m4ac12a : int NA 945 1890 NA NA NA 952 1903 1903 952 ...
$ m4ac12b : int NA 945 945 NA NA NA 0 0 952 0 ...
$ m4ac13a : int NA 1 1 NA NA NA 1 1 1 2 ...
$ m4ac13b : int NA 1 1 NA NA NA 2 2 1 2 ...
$ m4ac13c : int NA 1 1 NA NA NA 2 2 2 2 ...
$ m4ac14 : int NA 2 2 2 NA NA 2 2 2 2 ...
$ m4ac15a : int NA NA NA NA NA NA NA NA NA ...
$ m4ac15m : chr "" "" "" "" ...
$ m4ac15 : int NA NA NA NA NA NA NA NA NA ...
$ m4ac16c : chr "" "" "" "" ...
$ m4ac16m : chr "" "" "" "" ...
$ m4ac16 : int NA NA NA NA NA NA NA NA NA NA ...
$ m4ac17 : int NA NA NA NA NA NA NA NA NA NA ...
$ m4ac18 : int NA NA NA NA NA NA NA NA NA NA ...
$ m4ac19 : int NA NA NA NA NA NA NA NA NA NA ...
$ m4ac20 : int NA NA NA NA NA NA NA NA NA NA ...
$ m4ac21 : int NA NA NA NA NA NA NA NA NA NA ...
$ m4ac22 : int NA NA NA NA NA NA NA NA NA NA ...
$ m4ac23 : int NA NA NA NA NA NA NA NA NA NA ...
$ m4ac24a : int NA NA NA NA NA NA NA NA NA NA ...
$ m4ac24b : int NA NA NA NA NA NA NA NA NA NA ...
$ m4ac25 : int NA NA NA NA NA NA NA NA NA NA ...
$ m4ac26 : int NA NA NA NA NA NA NA NA NA NA ...
$ m4ac27 : int 2 2 2 2 NA NA 1 1 1 1 ...
$ m4ac28a : int NA NA NA NA NA NA 0 0 0 0 ...
$ m4ac28b : int NA NA NA NA NA NA 0 0 0 0 ...
$ m4ac28c : int NA NA NA NA NA NA 34258 29690 75377 29694 ...
$ m4ac28d : int NA NA NA NA NA NA 0 0 0 0 ...
$ m4ac28e : int NA NA NA NA NA NA 0 0 0 0 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:37"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...

```

```

- attr(*, "types")= int 252 252 254 252 252 251 251 251 251 251 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 19
..$ m4ac27 : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac20 : Named int 1 2 3 4 5 6
..- attr(*, "names")= chr "Farming, forestry, aquaculture households / individuals"
"Independent production and business households" "Collective" "Private" ...
..$ m4ac21 : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac25 : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac14 : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac16 : Named int 35 110 140 160
..- attr(*, "names")= chr "Production and distribution of electricity, gas, hot water, steam
and air conditioners" "Agriculture and related services: crop production" "Agriculture and related
services: husbandry" "Agriculture and related services: agricultural services"
..$ m4ac17 : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac8a : Named int 1 2 3 4 5 6
..- attr(*, "names")= chr "Farming, forestry, aquaculture households / individuals"
"Independent production and business households" "Collective" "Private" ...
..$ m4ac8b : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac9 : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac13a: Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac13b: Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac13c: Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac1a : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac1b : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac1c : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac2 : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4ac4 : Named int 35 110 140 160
..- attr(*, "names")= chr "Production and distribution of electricity, gas, hot water, steam
and air conditioners" "Agriculture and related services: crop production" "Agriculture and related
services: husbandry" "Agriculture and related services: agricultural services"
..$ m4ac5 : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
NULL

## 8 ##### muc4b0 #####
'data.frame': 11619 obs. of 9 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 3 4 4 16 16 16 16 16 16 16 ...

```

```

$ xa      : num  91 148 148 382 382 382 382 382 397 397 ...
$ diaban: int   6 6 6 10 10 10 10 10 2 2 ...
$ hoso   : int  13 14 15 13 13 14 15 15 13 14 ...
$ m4b0ma: int   1 1 1 1 5 1 1 5 5 5 ...
$ m4b0c3: int  800 2160 1800 2520 200 480 1800 30 720 4500 ...
$ m4b0c4: num   0 0 0 0 0 0 0 0 0 0 ...
$ m4b0c5: num   0 0 0 0 0 0 0 0 0 0 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int  252 252 254 252 252 251 253 254 254
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1
..$ m4b0ma: Named int  1 2 3 4 5 6 7 8
...- attr(*, "names")= chr "Annual crop land" "Perennial crop land" "Forestry land" "Water
surface" ...
NULL

```

```

## 9 #### muc4b11 #####
'data.frame':  13588 obs. of  12 variables:
$ tinh   : int  1 1 1 1 1 1 1 1 1 1 ...
$ huyen  : int  4 4 4 4 4 4 16 16 16 16 ...
$ xa     : num  148 148 148 148 148 148 382 382 382 382 ...
$ diaban : int   6 6 6 6 6 6 10 10 10 10 ...
$ hoso   : int  14 14 14 15 15 15 13 13 13 13 ...
$ m4b11ma: int   1 5 3 1 5 3 3 5 1 6 ...
$ m4b11c3: int  2160 4320 2160 720 1440 720 2520 3960 1440 192 ...
$ m4b11c4: int  1100 2100 1000 300 550 250 1120 1752 632 73 ...
$ m4b11c5: int   0 0 0 0 0 0 9 15 6 1 ...
$ m4b11c6: int   0 0 0 0 0 0 0 0 0 0 ...
$ m4b11c7: int  NA NA NA NA NA NA NA NA NA NA ...
$ m4b11c8: int  6238 11909 5671 1528 2801 1273 5292 8338 3046 483 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int  252 252 254 252 252 251 253 253 253 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1
..$ m4b11ma: Named int  1 2 3 4 5 6 7
...- attr(*, "names")= chr "Winter-spring ordinary rice" "Summer-autumn ordinary rice"
"Ten-month or autumn-winter rice" "Ordinary rice planted in terraced field" ...
NULL

```

```

## 10 #### muc4b12 #####
'data.frame':  13157 obs. of  11 variables:
$ tinh   : int  1 1 1 1 1 1 1 1 1 1 ...
$ huyen  : int  3 4 4 4 4 16 16 16 16 16 ...
$ xa     : num  91 148 148 148 148 382 382 382 382 382 ...
$ diaban : int   6 6 6 6 6 10 10 10 10 10 ...
$ hoso   : int  13 15 15 15 15 13 13 13 13 13 ...

```

```

$ m4b12ma: int 21 14 8 16 13 13 21 15 20 14 ...
$ m4b12c3: int 780 30 360 220 200 12 580 20 360 20 ...
$ m4b12c4: int NA 1200 160 2500 2700 31 NA 44 NA 42 ...
$ m4b12c5: int NA 1200 160 2500 2600 0 NA 0 NA 0 ...
$ m4b12c6: int 45369 5093 662 6367 8913 NA 5670 NA 3591 NA ...
$ m4b12c7: int 45369 5093 662 6367 8913 59 6078 166 3884 238 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 253 253 253 253 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1
..$ m4b12ma: Named int 8 9 10 11 12 13 14 15 16 17 ...
...- attr(*, "names")= chr "Maize (corn)" "Sweet potato" "Cassava/manioc" "Other staple food
crops" ...
NULL

```

```

## 11 ##### muc4b13 #####
'data.frame': 3012 obs. of 12 variables:
$ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
$ huyen : int 4 16 16 16 16 16 16 16 16 19 ...
$ xa : num 148 382 406 406 406 418 433 448 448 598 ...
$ diaban : int 6 10 19 19 19 21 3 4 4 7 ...
$ hoso : int 15 13 13 14 15 15 19 14 15 13 ...
$ m4b13ma : int 22 23 23 23 23 23 22 30 30 22 ...
$ m4b13c3a: int 360 360 360 360 360 144 360 648 540 360 ...
$ m4b13c3b: int 1 1 1 1 1 1 1 1 1 1 ...
$ m4b13c4 : int 60 48 80 31 50 40 20 NA NA 35 ...
$ m4b13c5 : int 60 0 60 0 0 0 0 NA NA 30 ...
$ m4b13c6 : int 662 NA 379 NA NA NA NA 26403 12759 567 ...
$ m4b13c7 : int 662 680 506 420 361 686 271 26403 12759 662 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 253 251 253 253 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 2
..$ m4b13c3b: Named int 1 2
...- attr(*, "names")= chr "M2" "Tree"
..$ m4b13ma : Named int 22 23 24 25 26 27 28 29 30 31 ...
...- attr(*, "names")= chr "Soya bean/soybean" "Peanut/groundnut" "Sesame" "Sugarcane" ...
NULL

```

```

## 12 ##### muc4b14 #####
'data.frame': 7207 obs. of 12 variables:
$ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
$ huyen : int 16 16 16 16 16 16 16 16 16 16 ...
$ xa : num 382 382 382 397 397 397 397 397 406 406 ...
$ diaban : int 10 10 10 2 2 2 2 2 19 19 ...
$ hoso : int 13 15 15 13 13 14 19 19 15 15 ...

```

```

$ m4b14ma : int 47 49 42 47 49 47 47 42 42 41 ...
$ m4b14c3a: int 2 5 2 28 20 14 25 3 1 5 ...
$ m4b14c3b: int 2 2 2 2 2 2 2 2 2 ...
$ m4b14c4 : int 26 20 10 420 100 300 340 130 5 75 ...
$ m4b14c5 : int 0 10 0 300 0 300 300 100 0 0 ...
$ m4b14c6 : int NA 45 NA 1701 NA 2269 1418 473 NA NA ...
$ m4b14c7 : int 369 90 45 2381 1418 2269 1607 614 36 203 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 253 251 253 253 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 2
..$ m4b14c3b: Named int 1 2
...- attr(*, "names")= chr "M2" "Tree"
..$ m4b14ma : Named int 39 40 41 42 43 44 45 46 47 48 ...
...- attr(*, "names")= chr "Citrus" "Pineapple" "Banana" "Mango, horse mango" ...
NULL

```

```

## 13 #### muc4b15 #####
'data.frame': 6638 obs. of 10 variables:
$ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
$ huyen : int 16 16 16 16 16 16 16 16 16 16 ...
$ xa : num 382 382 382 406 406 406 406 418 433 433 ...
$ diaban : int 10 10 10 19 19 19 19 21 3 3 ...
$ hoso : int 13 13 15 14 14 15 15 15 14 19 ...
$ m4b15ma: int 1 3 1 1 3 3 1 1 1 1 ...
$ m4b15c2: int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b15c3: int 312 38 41 0 0 0 60 163 433 325 ...
$ m4b15c4: int 0 0 95 190 54 18 238 0 0 0 ...
$ m4b15c5: int 312 38 136 190 54 18 298 163 433 325 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 253 253 253 253
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1
..$ m4b15ma: Named int 1 2 3 4 5 6 7 8 9
...- attr(*, "names")= chr "Straw, thatch" "Sweet potato leaves and stems" "Cassava and maize
stems" "Stems of beans of all kinds" ...
NULL

```

```

## 14 #### muc4b16 #####
'data.frame': 47482 obs. of 13 variables:
$ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
$ huyen : int 3 3 3 3 3 3 3 3 3 3 ...
$ xa : num 91 91 91 91 91 91 91 91 91 91 ...
$ diaban : int 6 6 6 6 6 6 6 6 6 6 ...
$ hoso : int 13 13 13 13 13 13 13 13 13 13 ...
$ m4b16ma : int 12 2 7 13 94 3 10 8 18 6 ...

```

```

$ m4b16c2a : int  0 0 0 0 0 0 0 0 0 0 ...
$ m4b16c2b : int 189 1418 123 5482 737 1040 95 189 331 614 ...
$ m4b16c2c : int  0 0 0 0 0 0 0 0 0 0 ...
$ m4b16c2d : int  0 0 0 0 0 0 0 0 0 0 ...
$ m4b16c2e : int 189 1418 123 5482 737 1040 95 189 331 614 ...
$ m4b16c2e1: int  0 0 0 0 0 0 0 0 0 0 ...
$ m4b16c2e2: int  0 0 0 0 0 0 0 0 0 0 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int  252 252 254 252 252 252 253 253 253 253 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1
..$ m4b16ma: Named int  1 2 3 4 5 6 7 8 10 11 ...
...- attr(*, "names")= chr "Seeds" "Saplings" "Chemical fertilizers" "Organic
fertilizers(seft-provided)" ...
NULL

```

```

## 15 #### muc4b17 #####
'data.frame':  15124 obs. of  11 variables:
$ tinh : int  1 1 1 1 1 1 1 1 1 1 ...
$ huyen : int  3 3 3 3 4 4 4 4 4 16 ...
$ xa : num  91 91 91 91 148 148 148 148 148 382 ...
$ diaban : int  6 6 6 6 6 6 6 6 6 10 ...
$ hoso : int 13 13 13 13 14 14 14 15 15 13 ...
$ m4b17ma: int  3 1 2 5 3 2 1 1 4 4 ...
$ m4b17c2: int  0 0 0 0 60 200 85 20 25 165 ...
$ m4b17c3: int 20 10 50 40 0 0 0 45 50 73 ...
$ m4b17c4: int  0 0 0 0 0 0 0 10 10 10 ...
$ m4b17c5: int  0 0 0 0 0 0 0 0 0 0 ...
$ m4b17c6: int 20 10 50 40 60 200 85 75 85 248 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int  252 252 254 252 252 251 253 253 253 253 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1
..$ m4b17ma: Named int  1 2 3 4 5
...- attr(*, "names")= chr "Nitrogenous" "Phosphat" "Potassium" "NPK" ...
NULL

```

```

## 16 #### muc4b21 #####
'data.frame':  12967 obs. of  10 variables:
$ tinh : int  1 1 1 1 1 1 1 1 1 1 ...
$ huyen : int 16 16 16 16 16 16 16 16 16 16 ...
$ xa : num 382 382 382 397 397 397 397 397 406 406 ...
$ diaban : int 10 10 10 2 2 2 2 2 19 19 ...
$ hoso : int 13 13 15 14 14 19 19 19 13 13 ...
$ m4b21ma : int  5 1 5 5 12 15 5 12 8 12 ...
$ m4b21c3 : int 210 3200 10 40 50 50 50 2550 9 150 ...

```

```

$ m4b21c4a: int 125 3200 0 0 0 50 0 0 9 0 ...
$ m4b21c4b: int 7088 76208 NA NA NA 4725 NA NA 2980 NA ...
$ m4b21c5 : int 11908 76208 587 2269 95 4725 2835 6025 2980 406 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 253 253 253 253
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1
..$ m4b21ma: Named int 1 2 3 4 5 6 7 8 9 10 ...
..- attr(*, "names")= chr "Live pig pork" "Live buffalo and cow meat" "Horses" "Sheep,
goats" ...
NULL

```

```

## 17 #### muc4b22 #####
'data.frame': 8111 obs. of 29 variables:
$ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
$ huyen : int 16 16 16 16 16 16 16 16 16 16 ...
$ xa : num 382 382 382 397 397 406 406 406 406 406 ...
$ diaban : int 10 10 10 2 2 19 19 19 19 19 ...
$ hoso : int 13 13 15 14 19 13 13 15 15 15 ...
$ m4b22ma : int 1 5 5 5 5 1 5 1 2 5 ...
$ m4b22c7 : int 21547 1559 316 0 0 0 0 1910 0 226 ...
$ m4b22c8 : int 22208 5421 90 1418 1418 1549 659 2805 723 542 ...
$ m4b22c9 : int 775 898 27 38 95 181 0 90 0 0 ...
$ m4b22c10a: int 227 60 0 0 0 90 0 45 0 18 ...
$ m4b22c10b: int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22c10c: int 0 0 0 0 0 0 0 0 217 0 0 ...
$ m4b22c10d: int 0 0 0 0 0 90 0 90 0 18 ...
$ m4b22c10e: int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22c10f: int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22c10g: int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22c10h: int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22c10i: int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22c10j: int 359 0 0 0 0 0 0 0 0 0 ...
$ m4b22c10k: int 3260 0 0 0 0 135 0 0 0 0 ...
$ m4b22c11 : int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22c12 : int 5481 756 0 0 0 452 0 271 632 0 ...
$ m4b22c13 : int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22c14 : int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22c15 : int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22c16 : int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22c17 : int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22c18 : int 435 123 0 0 0 0 0 0 0 90 ...
$ m4b22c19 : int 54293 8816 434 1456 1512 2497 659 5428 1355 894 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:27"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 253 253 253 253 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1

```

```

..$ m4b22ma: Named int 1 2 3 4 5 6 7 8 9 10 ...
.. ..- attr(*, "names")= chr "Pigs" "Water buffalos, cows" "Horses" "Sheep, goats" ...
NULL

```

```

## 18 ##### muc4b31 #####
'data.frame': 200 obs. of 9 variables:
 $ tinh : int 1 1 1 1 1 4 4 4 6 8 ...
 $ huyen : int 16 275 275 275 282 47 51 51 58 72 ...
 $ xa : num 382 9895 9895 9946 10492 ...
 $ diaban : int 10 16 16 3 10 1 14 5 4 4 ...
 $ hoso : int 13 14 14 13 13 14 13 14 14 14 ...
 $ m4b31ma: int 4 1 4 1 1 1 1 1 1 1 ...
 $ m4b31c3: num 2 2 2 2 6 1 2 3 1 1 ...
 $ m4b31c4: num 5670 18069 13552 3795 632 ...
 $ m4b31c5: num 11340 36139 27104 7591 3793 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr " 9 May 2012 09:25"
 - attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
 - attr(*, "types")= int 252 252 254 252 252 251 254 254 254
 - attr(*, "val.labels")= chr "" "" "" "" "" ...
 - attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
 - attr(*, "version")= int 12
 - attr(*, "label.table")=List of 1
 ..$ m4b31ma: Named int 1 2 3 4 5
 .. ..- attr(*, "names")= chr "Soil preparation" "Irrigation" "Pest and disease control" "Rice
plucking, semi-processing" ...
NULL

```

```

## 19 ##### muc4b32 #####
'data.frame': 199 obs. of 27 variables:
 $ tinh : int 1 1 1 1 1 4 4 4 6 8 ...
 $ huyen : int 16 275 275 275 282 47 51 51 58 72 ...
 $ xa : num 382 9895 9895 9946 10492 ...
 $ diaban : int 10 16 16 3 10 1 14 5 4 4 ...
 $ hoso : int 13 14 14 13 13 14 13 14 14 14 ...
 $ m4b32ma : int 4 1 4 1 1 1 1 1 1 1 ...
 $ m4b32c7 : int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b32c8 : int 397 99 63 0 36 0 97 34 0 111 ...
 $ m4b32c9a: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b32c9b: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b32c9c: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b32c9d: int 2315 0 0 0 0 0 0 0 0 0 ...
 $ m4b32c9e: int 0 0 0 0 0 0 0 0 1395 0 ...
 $ m4b32c9f: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b32c9g: int 0 8312 5692 1265 0 826 4414 404 0 0 ...
 $ m4b32c9h: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b32c9i: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b32c9j: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b32c9k: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b32c10: int 227 253 172 0 45 0 235 172 0 0 ...
 $ m4b32c11: int 1100 1000 800 100 400 290 236 300 145 0 ...
 $ m4b32c12: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b32c13: int 4100 0 0 0 0 0 0 0 0 0 ...
 $ m4b32c14: int 0 0 0 0 0 0 0 0 0 0 ...

```

```

$ m4b32c15: int 0 0 0 0 0 0 0 0 0 ...
$ m4b32c16: int 0 100 100 0 650 0 110 0 0 ...
$ m4b32c17: int 7853 9658 6740 1356 1029 1158 5143 954 1530 111 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:27"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 253 253 253 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1
..$ m4b32ma: Named int 1 2 3 4 5
...- attr(*, "names")= chr "Soil preparation" "Irrigation" "Pest and disease control" "Rice
plucking, semi-processing" ...
NULL

```

```

## 20 #### muc4b41 #####
'data.frame': 3504 obs. of 13 variables:
 $ tinh : int 1 2 2 2 2 2 2 2 2 ...
 $ huyen : int 275 26 26 26 26 26 26 26 26 ...
 $ xa : num 4939 730 730 730 739 ...
 $ diaban : int 6 2 2 2 5 5 5 3 3 ...
 $ hoso : int 19 13 14 15 13 14 15 13 14 15 ...
 $ m4b41ma : int 11 11 11 11 11 11 11 11 11 ...
 $ m4b41c3a: int 1175 2076 3552 2407 0 0 0 0 6954 ...
 $ m4b41c3b: int 0 0 0 0 0 0 0 0 0 ...
 $ m4b41c3c: int 0 0 0 0 0 0 0 0 0 ...
 $ m4b41c3d: int 0 0 0 0 0 0 0 2371 0 ...
 $ m4b41c3e: int 0 0 0 0 3811 3854 3869 2600 0 0 ...
 $ m4b41c3f: int 1175 2076 3552 2407 3811 3854 3869 2600 2371 6954 ...
 $ m4b41c4 : int 904 0 0 0 0 0 0 0 1337 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 253 253 253 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1
..$ m4b41ma: Named int 1 2 3 4 5 6 7 8 9 10 ...
...- attr(*, "names")= chr "Mu oil trees" "Cinnamon" "Anise" "Pine" ...
NULL

```

```

## 21 #### muc4b42 #####
'data.frame': 2119 obs. of 30 variables:
 $ tinh : int 1 2 2 2 2 2 2 2 2 ...
 $ huyen : int 275 26 26 26 26 26 26 26 26 ...
 $ xa : num 4939 730 730 730 739 ...
 $ diaban : int 6 2 2 2 5 5 5 3 3 ...
 $ hoso : int 19 13 14 15 13 14 15 13 14 15 ...
 $ m4b42ma : int 1 1 1 1 1 1 1 1 1 ...
 $ m4b42c1 : int 0 0 0 0 0 0 0 0 0 ...
 $ m4b42c2 : int 0 0 0 0 0 0 0 135 0 ...
 $ m4b42c3 : int 181 180 363 234 134 133 133 140 0 428 ...

```

```

$ m4b42c4a: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c4b: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c4c: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c4d: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c4e: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c4f: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c4g: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c4h: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c4i: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c4j: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c4k: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c5 : int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c6 : int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c7 : int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c8 : int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c9 : int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c10: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c11: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c12: int 0 0 0 0 0 0 0 0 0 ...
$ m4b42c13: int 0 0 0 0 0 0 93 115 254 ...
$ m4b42c14: int 181 180 363 234 134 133 133 233 251 682 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:27"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 253 253 253 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1
..$ m4b42ma: Named int 1 2
...- attr(*, "names")= chr "Forestry activities" "Forestry services"
NULL

```

```

## 22 #### muc4b51 #####
'data.frame': 2671 obs. of 10 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 16 16 17 269 269 269 271 271 278 281 ...
 $ xa : num 397 418 484 9604 9604 ...
 $ diaban : int 2 21 11 8 8 8 7 7 9 2 ...
 $ hoso : int 14 15 15 14 14 15 13 14 13 14 ...
 $ m4b51ma : int 11 11 11 11 12 11 11 11 22 11 ...
 $ m4b51c3 : int 36 80 1200 50 15 900 120 50 160 4880 ...
 $ m4b51c4a: int 0 54 1150 20 5 900 50 0 150 4800 ...
 $ m4b51c4b: int NA 1806 17655 452 316 13814 904 NA 4065 90713 ...
 $ m4b51c5 : int 851 2675 18422 994 813 13814 2170 904 4336 92225 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 253 253 253 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1
..$ m4b51ma: Named int 1 2 3 11 12 13 14 21 22 23
...- attr(*, "names")= chr "Aquacultural raising" "Aquacultural catching" "Aquacultural

```

seivices" "Fish" ...
 NULL

```
## 23 ##### muc4b52 #####
'data.frame': 2013 obs. of 30 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 16 16 17 269 269 271 271 278 281 ...
 $ xa : num 397 418 484 9604 9604 ...
 $ diaban : int 2 21 11 8 8 7 7 9 2 2 ...
 $ hoso : int 14 15 15 14 15 13 14 13 14 15 ...
 $ m4b52ma : int 1 1 1 1 1 1 1 2 1 1 ...
 $ m4b52c6 : int 19 361 3161 542 1354 362 45 0 14174 4512 ...
 $ m4b52c7 : int 47 0 0 361 4966 181 452 0 26458 7670 ...
 $ m4b52c8 : int 9 90 45 45 45 90 0 181 1890 135 ...
 $ m4b52c9a: int 0 0 181 0 0 0 0 0 1134 90 ...
 $ m4b52c9b: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b52c9c: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b52c9d: int 0 27 0 0 0 0 0 0 0 0 ...
 $ m4b52c9e: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b52c9f: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b52c9g: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b52c9h: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b52c9i: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b52c9j: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b52c9k: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b52c10: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b52c11: int 0 0 0 0 271 0 0 0 0 0 ...
 $ m4b52c12: int 0 0 452 0 0 0 0 0 1890 361 ...
 $ m4b52c13: int 0 0 1199 0 0 0 0 0 10394 0 ...
 $ m4b52c14: int 0 0 0 90 0 0 0 0 0 523 ...
 $ m4b52c15: int 0 0 0 0 0 0 0 0 1417 902 ...
 $ m4b52c16: int 0 0 0 0 0 0 0 0 2835 379 ...
 $ m4b52c17: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4b52c18: int 0 0 361 0 0 90 0 0 4725 0 ...
 $ m4b52c19: int 76 479 5398 1039 6636 723 497 181 64917 14574 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr " 9 May 2012 09:25"
 - attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
 - attr(*, "types")= int 252 252 254 252 252 251 253 253 253 253 ...
 - attr(*, "val.labels")= chr "" "" "" "" ...
 - attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
 - attr(*, "version")= int 12
 - attr(*, "label.table")=List of 1
 ..$ m4b52ma: Named int 1 2 3
 ..- attr(*, "names")= chr "Raising" "Catching" "Services"
NULL
```

```
## 24 ##### muc4c1 #####
'data.frame': 4007 obs. of 23 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 2 2 2 2 3 3 3 3 ...
 $ xa : num 4 40 40 55 67 91 106 106 106 112 ...
 $ diaban : int 12 6 6 11 23 6 13 13 13 20 ...
 $ hoso : int 13 13 15 13 19 15 14 15 15 13 ...
```

```

$ m4c1ma : int 1 1 1 1 1 1 1 1 2 1 ...
$ m4c1c2 : int 47 47 56 96 47 96 49 43 96 46 ...
$ m4c1c3 : num 12 12 12 12 12 7 12 12 12 12 ...
$ m4c1c4 : int 1 1 1 1 1 1 1 1 1 1 ...
$ m4c1c5 : int NA NA NA NA NA NA NA NA NA NA ...
$ m4c1c6 : int 100 100 100 100 100 100 100 100 100 100 ...
$ m4c1c7 : int 2 3 3 2 2 3 3 3 3 3 ...
$ m4c1c8 : int NA NA 1 1 NA 1 1 1 1 NA ...
$ m4c1c9 : int 14176 9453 11285 16370 4252 4253 2930 3611 6771 1512 ...
$ m4c1c10: num 170113 113440 135425 196434 51027 ...
$ m4c1c11: int NA NA 2 2 NA 2 2 2 2 NA ...
$ m4c1c12: int NA NA NA NA NA NA NA NA NA NA ...
$ m4c1c13: int NA NA 2 2 NA 2 2 2 2 NA ...
$ m4c1c14: int NA NA NA NA NA NA NA NA NA NA ...
$ m4c1c15: int 2 2 2 2 2 2 2 2 2 2 ...
$ m4c1c16: int NA NA NA NA NA NA NA NA NA NA ...
$ m4c1c17: num 170113 113440 135425 196434 51027 ...
$ m4c1c18: num 170113 113440 135425 196434 51027 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 251 254 251 252 ...
- attr(*, "val.labels")= chr "" "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 7
..$ m4c1c15: Named int 1 2
...- attr(*, "names")= chr "Yes" "No"
..$ m4c1c13: Named int 1 2
...- attr(*, "names")= chr "Yes" "No"
..$ m4c1c11: Named int 1 2
...- attr(*, "names")= chr "Yes" "No"
..$ m4c1c8 : Named int 1 2
...- attr(*, "names")= chr "Yes" "No"
..$ m4c1c7 : Named int 1 2 3
...- attr(*, "names")= chr "Yes, enterprise" "Yes, private trading" "No"
..$ m4c1c4 : Named int 1 2
...- attr(*, "names")= chr "Yes" "No"
..$ M4C1C2 : Named int 35 68 84 85 99
...- attr(*, "names")= chr "***Undefined Label" "***Undefined Label" "***Undefined Label"
***Undefined Label" ...
NULL

```

```
## 25 ##### muc4c2 #####
```

```
'data.frame': 4007 obs. of 32 variables:
```

```

$ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
$ huyen : int 1 2 2 2 2 3 3 3 3 3 ...
$ xa : num 4 40 40 55 67 91 106 106 106 112 ...
$ diaban : int 12 6 6 11 23 6 13 13 13 20 ...
$ hoso : int 13 13 15 13 19 15 14 15 15 13 ...
$ m4c2ma : int 1 1 1 1 1 1 1 2 1 1 ...
$ m4c2c19 : int 0 0 60490 0 0 2315 0 5417 2708 0 ...
$ m4c2c20 : int 1890 1040 460 571 1701 302 0 867 1083 142 ...
$ m4c2c21a: int 5670 945 1083 0 1134 397 0 1083 0 0 ...
$ m4c2c21b: int 0 0 0 0 0 0 0 0 0 0 ...

```

```

$ m4c2c21c: int 0 0 3250 0 0 0 0 0 0 0 ...
$ m4c2c21d: int 0 0 0 0 0 0 5670 0 2167 567 ...
$ m4c2c21e: int 0 0 0 0 0 0 0 0 0 0 ...
$ m4c2c21f: int 0 0 0 0 0 0 0 0 0 0 ...
$ m4c2c21g: int 0 0 0 0 0 0 284 0 181 0 ...
$ m4c2c21h: int 0 0 0 0 0 0 737 0 1625 0 0 ...
$ m4c2c21i: int 0 0 0 0 0 0 0 0 0 0 ...
$ m4c2c21j: int 0 0 0 0 0 0 0 0 0 0 ...
$ m4c2c21k: int 1134 0 0 0 0 0 0 0 0 0 ...
$ m4c2c22 : int 0 0 325 0 340 0 0 0 0 0 ...
$ m4c2stt : int 1 1 1 1 1 1 1 2 1 1 ...
$ m4c2c23 : int 0 1229 0 0 0 189 473 181 0 0 ...
$ m4c2c24 : int 0 0 0 0 0 945 567 903 542 0 ...
$ m4c2c25 : int 79386 0 0 0 0 9923 0 27084 0 0 ...
$ m4c2c26 : int 5670 3120 0 30455 0 0 0 0 0 0 ...
$ m4c2c27 : int 0 0 0 68524 11339 0 0 17334 0 0 ...
$ m4c2c28 : int 0 0 0 0 0 0 0 0 0 0 ...
$ m4c2c29 : int 22682 2363 0 22841 3402 0 0 0 0 0 ...
$ m4c2c30 : int 0 0 181 0 0 0 0 217 0 0 ...
$ m4c2c31 : int 945 567 0 4759 454 0 0 0 0 0 ...
$ m4c2c32 : int 117378 9264 65790 127149 18370 14808 6993 54709 6681 709 ...
$ m4c2c33 : int 117378 9264 65790 127149 18370 14808 6993 54709 6681 709 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 253 253 253 253 ...
- attr(*, "val.labels")= chr "" "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
NULL

```

```

## 26 ##### muc4d #####
'data.frame': 9399 obs. of 29 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
 $ xa : num 4 4 4 7 7 7 16 16 16 22 ...
 $ diaban : int 12 12 12 22 22 22 15 15 15 19 ...
 $ hoso : int 13 14 15 13 15 20 14 19 20 13 ...
 $ m4dc2_01: int 0 9516 0 0 0 0 28548 0 0 0 ...
 $ m4dc2_02: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_03: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_04: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_05: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_06: int 5670 9516 1903 2380 2836 1890 2379 5710 4758 14273 ...
 $ m4dc2_07: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_08: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_09: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_10: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_11: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_12: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_13: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_14: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_15: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_16: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m4dc2_17: int 1890 9611 952 0 14178 0 9516 9516 0 9516 ...

```

```

$ m4dc2_18: int 0 0 0 0 0 0 0 0 9516 0 ...
$ m4dc2_19: int 0 0 0 0 0 0 0 0 0 0 ...
$ m4dc2_20: int 0 0 0 0 0 0 0 0 0 0 ...
$ m4dc2_21: int NA NA NA NA NA NA NA NA NA NA ...
$ m4dc2_22: int NA NA NA NA NA NA NA NA NA NA ...
$ m4dc2_23: int NA NA NA NA NA NA NA NA NA NA ...
$ m4dc2_24: int NA NA NA NA NA NA NA NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 253 253 253 253 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
NULL

```

```

## 27 #### muc5a1 #####
'data.frame': 136854 obs. of 10 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
 $ xa : num 4 4 4 4 4 4 4 4 4 4 ...
 $ diaban : int 12 12 12 12 12 12 12 12 12 12 ...
 $ hoso : int 13 13 13 13 13 13 13 13 13 13 ...
 $ m5a1ma : int 110 144 140 151 139 146 113 114 121 115 ...
 $ m5a1c2a: num 3 4 4 NA 1 10 4 5 20 NA ...
 $ m5a1c2b: num 180 200 300 100 20 100 400 250 50 200 ...
 $ m5a1c3a: num 0 0 0 NA 0 0 0 0 0 NA ...
 $ m5a1c3b: num NA NA NA 100 NA NA NA NA 0 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr " 9 May 2012 09:25"
 - attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
 - attr(*, "types")= int 252 252 254 252 252 252 254 254 254 254
 - attr(*, "val.labels")= chr "" "" "" "" ...
 - attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
 - attr(*, "version")= int 12
 - attr(*, "label.table")=List of 1
 ..$ m5a1ma: Named int 101 102 110 111 112 113 114 115 116 118 ...
 ..- attr(*, "names")= chr "Fragrant, specialty rice" "Sticky rice" "Pork" "Beef" ...
NULL

```

```

## 28 #### muc5a2 #####
'data.frame': 236630 obs. of 14 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
 $ xa : num 4 4 4 4 4 4 4 4 4 4 ...
 $ diaban : int 12 12 12 12 12 12 12 12 12 12 ...
 $ hoso : int 13 13 13 13 13 13 13 13 13 13 ...
 $ m5a2ma : int 137 117 108 132 107 150 131 151 135 111 ...
 $ m5a2c2a: num NA 2 10 4 2.5 ...
 $ m5a2c2b: num 50 64 80 50 60 13 150 300 45 75 ...
 $ m5a2c3a: num NA 2 10 4 2.5 ...
 $ m5a2c3b: num 50 64 80 50 60 13 150 300 45 75 ...
 $ m5a2c4a: num NA 0 0 0 0 0 0 NA 0 0 ...
 $ m5a2c4b: num 0 NA NA NA NA NA NA 0 NA NA ...

```

```

$ m5a2c5a: num NA 0 0 0 0 0 0 NA 0 0 ...
$ m5a2c5b: num 0 NA NA NA NA NA NA 0 NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 252 254 254 254 254 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1
..$ m5a2ma: Named int 101 102 103 104 105 106 107 108 109 110 ...
...- attr(*, "names")= chr "Plain rice" "Sticky rice" "Maize" "Cassaca" ...
NULL

```

```

## 29 ##### muc5b1 #####
'data.frame': 111034 obs. of 10 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
 $ xa : num 4 4 4 4 4 4 4 4 4 4 ...
 $ diaban: int 12 12 12 12 12 12 12 12 12 12 ...
 $ hoso : int 13 13 13 13 13 13 13 13 13 13 ...
 $ m5b1ma: int 228 217 216 204 218 219 226 215 221 220 ...
 $ m5b1c2: int 500 60 30 1000 30 100 300 80 60 50 ...
 $ m5b1c3: int 500 60 30 1000 30 100 300 80 60 50 ...
 $ m5b1c4: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m5b1c5: int 0 0 0 0 0 0 0 0 0 0 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 252 253 253 253 253
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 1
..$ m5b1ma: Named int 201 202 203 204 205 206 207 208 209 210 ...
...- attr(*, "names")= chr "Pocket money for children" "Coal" "Coal briquette" "Petroleum" ...
NULL

```

```

## 30 ##### muc5b2 #####
'data.frame': 119120 obs. of 8 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
 $ xa : num 4 4 4 4 4 4 4 4 4 4 ...
 $ diaban: int 12 12 12 12 12 12 12 12 12 12 ...
 $ hoso : int 13 13 13 13 13 13 13 13 13 13 ...
 $ m5b2ma: int 327 312 317 320 313 326 310 311 314 305 ...
 $ m5b2c2: int 10560 150 300 600 50 30 150 200 200 600 ...
 $ m5b2c3: int 0 0 0 0 0 0 0 0 0 0 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 252 253 253
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...

```

```
- attr(*, "version")= int 12
NULL
```

```
## 31 ##### muc5b3 #####
'data.frame': 9399 obs. of 14 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
 $ xa : num 4 4 4 7 7 7 16 16 16 22 ...
 $ diaban : int 12 12 12 22 22 22 15 15 15 19 ...
 $ hoso : int 13 14 15 13 15 20 14 19 20 13 ...
 $ m5b3c2_1: int 50 50 0 0 0 0 50 100 100 0 ...
 $ m5b3c2_2: int 600 500 600 200 0 0 500 300 200 500 ...
 $ m5b3c2_3: int 400 0 200 0 0 0 0 0 0 240 ...
 $ m5b3c2_4: int 0 0 0 0 300 0 0 0 0 0 ...
 $ m5b3c2_5: int 0 0 0 0 0 0 0 0 0 0 ...
 $ m5b3c2_6: int 2000 0 1000 0 8000 10000 0 0 0 3000 ...
 $ m5b3c2_7: int 2000 5000 0 0 0 0 3000 2000 2500 1500 ...
 $ m5b3c2_8: int 5000 3000 2000 2000 4000 3000 2000 3000 3300 4000 ...
 $ m5b3c2_9: int 0 0 0 0 0 0 0 0 0 0 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr " 9 May 2012 09:25"
 - attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
 - attr(*, "types")= int 252 252 254 252 252 253 253 253 253 253 ...
 - attr(*, "val.labels")= chr "" "" "" "" "" ...
 - attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
 - attr(*, "version")= int 12
NULL
```

```
## 32 ##### muc6 #####
'data.frame': 9399 obs. of 42 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
 $ xa : num 4 4 4 7 7 7 16 16 16 22 ...
 $ diaban : int 12 12 12 22 22 22 15 15 15 19 ...
 $ hoso : int 13 14 15 13 15 20 14 19 20 13 ...
 $ m6ma_01: int 1 2 2 2 2 2 2 2 2 2 ...
 $ m6ma_02: int 2 3 3 3 7 7 7 11 7 7 ...
 $ m6ma_03: int 7 7 7 7 11 11 11 12 12 11 ...
 $ m6ma_04: int 11 11 11 11 12 12 12 15 15 12 ...
 $ m6ma_05: int 12 12 12 12 14 15 14 17 21 14 ...
 $ m6ma_06: int 14 14 14 14 15 17 15 20 22 15 ...
 $ m6ma_07: int 15 15 15 15 17 20 17 21 23 20 ...
 $ m6ma_08: int 17 17 20 17 20 21 20 22 24 22 ...
 $ m6ma_09: int 20 20 21 20 21 22 21 23 25 23 ...
 $ m6ma_10: int 22 21 22 21 22 23 22 24 27 24 ...
 $ m6ma_11: int 23 22 23 22 23 24 23 25 28 25 ...
 $ m6ma_12: int 24 23 24 23 24 25 24 26 30 26 ...
 $ m6ma_13: int 25 24 25 24 25 26 25 27 31 27 ...
 $ m6ma_14: int 26 25 26 25 26 27 26 28 32 28 ...
 $ m6ma_15: int 27 26 27 26 27 28 27 30 34 30 ...
 $ m6ma_16: int 28 27 28 27 28 31 28 31 35 31 ...
 $ m6ma_17: int 30 28 30 28 30 33 30 32 0 32 ...
 $ m6ma_18: int 32 30 31 30 31 34 31 34 NA 34 ...
 $ m6ma_19: int 34 31 32 31 32 35 32 35 NA 35 ...
```

```

$ m6ma_20: int 35 32 35 32 33 0 33 0 NA 0 ...
$ m6ma_21: int 0 33 0 33 34 NA 34 NA NA NA ...
$ m6ma_22: int NA 34 NA 34 35 NA 35 NA NA NA ...
$ m6ma_23: int NA 35 NA 35 0 NA 0 NA NA NA ...
$ m6ma_24: int NA 0 NA 0 NA NA NA NA NA NA ...
$ m6ma_25: int NA NA NA NA NA NA NA NA NA NA ...
$ m6ma_26: int NA NA NA NA NA NA NA NA NA NA ...
$ m6ma_27: int NA NA NA NA NA NA NA NA NA NA ...
$ m6ma_28: int NA NA NA NA NA NA NA NA NA NA ...
$ m6ma_29: int NA NA NA NA NA NA NA NA NA NA ...
$ m6ma_30: int NA NA NA NA NA NA NA NA NA NA ...
$ m6ma_31: int NA NA NA NA NA NA NA NA NA NA ...
$ m6ma_32: int NA NA NA NA NA NA NA NA NA NA ...
$ m6ma_33: int NA NA NA NA NA NA NA NA NA NA ...
$ m6ma_34: int NA NA NA NA NA NA NA NA NA NA ...
$ m6ma_35: int NA NA NA NA NA NA NA NA NA NA ...
$ m6ma_36: int NA NA NA NA NA NA NA NA NA NA ...
$ m6ma_37: int NA NA NA NA NA NA NA NA NA NA ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 251 251 251 ...
- attr(*, "val.labels")= chr "" "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12

```

NULL

```
## 33 ##### muc6b #####
```

```
'data.frame': 91597 obs. of 11 variables:
```

```

$ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
$ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
$ xa : num 4 4 4 4 4 4 4 4 4 4 ...
$ diaban: int 12 12 12 12 12 12 12 12 12 12 ...
$ hoso : int 13 13 13 13 13 13 13 13 13 13 ...
$ m6c2 : int 24 2 15 14 23 12 34 25 1 35 ...
$ m6c3 : int 1 1 2 1 2 3 1 4 1 1 ...
$ m6c4t : int 0 0 0 0 0 0 0 0 0 0 ...
$ m6c4n : int 2004 2005 2008 2007 2006 2006 2008 2007 2006 2004 ...
$ m6c5 : int NA NA NA NA NA NA NA NA NA NA ...
$ m6c6 : int 1000 5000 8000 500 5000 2000 900 800 120000 50 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 252 251 252 253 ...
- attr(*, "val.labels")= chr "" "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12

```

NULL

```
## 34 ##### muc7 #####
```

```
'data.frame': 9399 obs. of 30 variables:
```

```

$ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
$ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
$ xa : num 4 4 4 7 7 7 16 16 16 22 ...

```

```

$ diaban: int 12 12 12 22 22 22 15 15 15 19 ...
$ hoso : int 13 14 15 13 15 20 14 19 20 13 ...
$ m7c1 : int 1 2 1 1 1 1 1 1 1 1 ...
$ m7c2 : int 24 273 50 150 160 40 150 30 100 200 ...
$ m7c3 : int 1 1 1 1 1 1 1 1 1 1 ...
$ m7c4 : int 1 1 1 1 1 1 1 1 1 1 ...
$ m7c5 : int 2 2 2 2 2 2 2 2 2 2 ...
$ m7c6 : int 2 2 2 2 2 2 2 1 2 2 ...
$ m7c7 : num NA NA NA NA NA NA NA 42000 NA NA ...
$ m7c8 : int NA NA NA NA NA NA NA 24 NA NA ...
$ m7c9 : num 3.0e+06 2.0e+07 5.0e+06 4.0e+06 8.0e+06 4.0e+06 3.0e+06 1.5e+06 3.0e+06 5.0e+06 ...
$ m7c10 : int 2 1 2 2 2 2 2 2 2 2 ...
$ m7c11 : int NA 2 NA NA NA NA NA NA NA NA ...
$ m7c12 : num NA NA NA NA NA NA NA NA NA NA ...
$ m7c13 : num 0 0 0 0 0 0 0 0 0 0 ...
$ m7c14 : int 1 1 1 1 1 1 1 1 1 1 ...
$ m7c15a: int 1 1 1 1 1 1 1 1 1 1 ...
$ m7c15b: int 2 2 2 2 1 1 2 2 2 2 ...
$ m7c16 : int 1060 800 760 900 840 960 600 520 800 1440 ...
$ m7c17 : int 1 1 1 1 1 1 1 1 1 1 ...
$ m7c18 : int 1 1 1 1 1 1 1 1 1 1 ...
$ m7c19 : int 1500 800 502 600 700 620 350 300 320 300 ...
$ m7c19k: int 888 610 359 460 500 442 270 250 337 246 ...
$ m7c20 : int 14400 8500 5700 5400 6000 5400 4000 3000 4500 7500 ...
$ m7c21 : int 1 1 1 1 1 3 1 1 1 1 ...
$ m7c22 : int 216 72 144 288 144 180 72 72 144 180 ...
$ m7c23 : num 15676 9372 6604 6588 6984 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 253 251 251 251 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 13
..$ m7c22 : Named int 1 2 3 4 5 6
..- attr(*, "names")= chr "collected" "dumped in river/lake" "dumped in a site nearby"
"Landfill burial" ...
..$ m7c21 : Named int 1 2 3 4 5 6
..- attr(*, "names")= chr "Somebody else collects it" "Dumping into ponds, lakes, rivers,
streams" "Dumping in a nearby site" "Landfill burial" ...
..$ m7c18 : Named int 1 2 3 4
..- attr(*, "names")= chr "National-grid electricity" "battery lamp, resin torch" "gas, oil,
kerosene lamps" "others"
..$ m7c17 : Named int 1 2 3 4 5 6
..- attr(*, "names")= chr "spetic/semi-spetic tank" "suilabh" "double spetic tank" "fishing
bridge" ...
..$ m7c15b: Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m7c15a: Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m7c14 : Named int 1 2 3 4 5 6 7 8 9 10
..- attr(*, "names")= chr "tap wate reaching the house" "Public tap water" "drilled wells"
"protected dug well" ...
..$ m7c11 : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"

```

```

..$ m7c10 : Named int 1 2
...- attr(*, "names")= chr "Yes" "No"
..$ m7c6 : Named int 1 2
...- attr(*, "names")= chr "Yes" "No"
..$ m7c5 : Named int 1 2 3 4 5 6
...- attr(*, "names")= chr "Reinforcement concrete" "Bricks/stones" "Wood/metal" "Calcareous
soil/straw" ...
..$ m7c4 : Named int 1 2 3 4 5
...- attr(*, "names")= chr "Reinforcement concrete" "Tiles (cement, terracotta)" "Roof slabs
(cement, metal)" "Leave/straw/rolled roofing" ...
..$ m7c3 : Named int 1 2 3 4 5
...- attr(*, "names")= chr "Reinforcement concrete" "Bricks/stones" "Iron/steel/good wood"
" Poor-quality wood/bamboo" ...
NULL

```

```

## 35 ##### muc8 #####
'data.frame': 9399 obs. of 53 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
 $ xa : num 4 4 4 7 7 7 16 16 16 22 ...
 $ diaban : int 12 12 12 22 22 22 15 15 15 19 ...
 $ hoso : int 13 14 15 13 15 20 14 19 20 13 ...
 $ m8c1a : int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c1b : int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c1c : int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c1d : int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c1e : int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_01: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_02: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_03: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_04: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_05: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_06: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_07: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_08: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_09: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_10: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_11: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_12: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_13: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_14: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c21_15: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c22_01: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c22_02: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c22_03: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c22_04: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c22_05: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c22_06: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c22_07: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c22_08: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c22_09: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c22_10: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c22_11: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c22_12: int 2 2 2 2 2 2 2 2 2 2 ...
 $ m8c22_13: int 2 2 2 2 2 2 2 2 2 2 ...

```

```

$ m8c22_14: int 2 2 2 2 2 2 2 2 2 ...
$ m8c22_15: int 2 2 2 2 2 2 2 2 2 ...
$ m8c2a : int NA NA NA NA NA NA NA NA NA ...
$ m8c2b : int NA NA NA NA NA NA NA NA NA ...
$ m8c3 : int 2 2 2 2 2 2 2 2 2 ...
$ m8c9 : int 2 2 2 2 2 2 2 2 2 ...
$ m8c10a : int NA NA NA NA NA NA NA NA NA ...
$ m8c10b : int NA NA NA NA NA NA NA NA NA ...
$ m8c10c : int NA NA NA NA NA NA NA NA NA ...
$ m8c11a : int 2 2 2 2 2 2 2 2 2 ...
$ m8c11b : int 2 2 2 2 2 2 2 2 2 ...
$ m8c12a : int 2 2 2 2 2 2 2 2 2 ...
$ m8c12b : int 2 2 2 2 2 2 2 2 2 ...
$ m8c12c : int 2 2 2 2 2 2 2 2 2 ...
$ m8c13 : int 2 2 2 2 2 2 2 2 2 ...
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:25"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 251 251 251 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 44
..$ m8c13 : Named int 1 2 3 4
...- attr(*, "names")= chr "insufficient" "sufficient" "more than sufficient" "No comment"
..$ m8c12c : Named int 1 2 3 4
...- attr(*, "names")= chr "insufficient" "sufficient" "more than sufficient" "No comment"
..$ m8c12b : Named int 1 2 3 4
...- attr(*, "names")= chr "insufficient" "sufficient" "more than sufficient" "No comment"
..$ m8c12a : Named int 1 2 3 4
...- attr(*, "names")= chr "insufficient" "sufficient" "more than sufficient" "No comment"
..$ m8c11b : Named int 1 2 3 4
...- attr(*, "names")= chr "insufficient" "sufficient" "more than sufficient" "No comment"
..$ m8c11a : Named int 1 2 3 4
...- attr(*, "names")= chr "insufficient" "sufficient" "more than sufficient" "No comment"
..$ m8c10c : Named int 1 2 3 4 5 6 7 8 9 10 ...
...- attr(*, "names")= chr "Increased production costs in agriculture, forestry and fisheries"
"Low selling prices of agricultural, forestry and fisheries products" "Cattle and poultry suffer
from epidemics or death" "Droughts, floods, pests, and harvest loss affect agricultural, forestry
and fisheries production" ...
..$ m8c10b : Named int 1 2 3 4 5 6 7 8 9 10 ...
...- attr(*, "names")= chr "Increased production costs in agriculture, forestry and fisheries"
"Low selling prices of agricultural, forestry and fisheries products" "Cattle and poultry suffer
from epidemics or death" "Droughts, floods, pests, and harvest loss affect agricultural, forestry
and fisheries production" ...
..$ m8c10a : Named int 1 2 3 4 5 6 7 8 9 10 ...
...- attr(*, "names")= chr "Increased production costs in agriculture, forestry and fisheries"
"Low selling prices of agricultural, forestry and fisheries products" "Cattle and poultry suffer
from epidemics or death" "Droughts, floods, pests, and harvest loss affect agricultural, forestry
and fisheries production" ...
..$ m8c9 : Named int 1 2 3 4 5
...- attr(*, "names")= chr "Yes, very much" "Yes" "unchanged" "Worse" ...
..$ m8c3 : Named int 1 2
...- attr(*, "names")= chr "yes" "no"
..$ m8c22_15: Named int 1 2 3
...- attr(*, "names")= chr "Yes" "No" "Doesnt know"

```

```

..$ m8c22_14: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c22_13: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c22_12: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c22_11: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c22_10: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c22_09: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c22_08: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c22_07: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c22_06: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c22_04: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c22_03: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c22_02: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c22_01: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_15: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_14: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_13: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_12: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_11: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_10: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_09: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_08: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_07: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_06: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_04: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_03: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_02: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c21_01: Named int 1 2 3
..- attr(*, "names")= chr "Yes" "No" "Doesnt know"
..$ m8c1e : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"

```

```

..$ m8c1d : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m8c1c : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m8c1b : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m8c1a : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
NULL

```

```

## 36 ##### muc8vayno #####
'data.frame': 1367 obs. of 12 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 2 2 ...
 $ huyen : int 16 16 17 250 273 275 277 281 24 26 ...
 $ xa : num 382 406 484 9013 9790 ...
 $ diaban: int 10 19 11 3 9 3 7 2 3 2 ...
 $ hoso : int 14 15 13 15 14 14 13 15 15 13 ...
 $ m8ma : int 1 1 1 1 1 1 1 1 1 1 ...
 $ m8c4 : int 1 4 4 5 3 1 1 1 5 1 ...
 $ m8c5 : int 6000 3000 5000 16000 4000 10000 8000 10000 15000 20000 ...
 $ m8c6a : num 0.6 0.03 0.3 0.5 0.65 ...
 $ m8c6b : int 1 4 1 4 1 1 1 1 1 4 ...
 $ m8c7 : int 0 0 0 0 0 0 0 50 0 0 ...
 $ m8c8 : int 5000 3000 5090 16840 4000 10000 8000 10000 15000 20000 ...
 - attr(*, "datalabel")= chr ""
 - attr(*, "time.stamp")= chr " 9 May 2012 09:25"
 - attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
 - attr(*, "types")= int 252 252 254 252 252 251 251 253 254 251 ...
 - attr(*, "val.labels")= chr "" "" "" "" "" ...
 - attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
 - attr(*, "version")= int 12
 - attr(*, "label.table")=List of 2
 ..$ m8c6b: Named int 1 2 3 4
 ..- attr(*, "names")= chr "month" "quarter" "6 months" "year"
 ..$ m8c4 : Named int 1 2 3 4 5
 ..- attr(*, "names")= chr "Social Policy Bank" "Employment Support Fund" "Poverty Reduction
Fund" "Socio-political organisations" ...
NULL

```

```

## 37 ##### ttchung #####
'data.frame': 9399 obs. of 118 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 1 1 1 1 1 1 1 1 1 ...
 $ xa : num 4 4 4 7 7 7 16 16 16 22 ...
 $ diaban : int 12 12 12 22 22 22 15 15 15 19 ...
 $ hoso : int 13 14 15 13 15 20 14 19 20 13 ...
 $ quyen : int 1 1 1 1 1 1 1 1 1 1 ...
 $ tsphieu : int 1 1 1 1 1 1 1 1 1 1 ...
 $ ttnt : int 1 1 1 1 1 1 1 1 1 1 ...
 $ dantoc : int 1 1 1 1 1 1 1 1 1 1 ...
 $ phdich : int 2 2 2 2 2 2 2 2 2 2 ...
 $ dtv : int 2 2 2 1 1 1 48 48 48 2 ...
 $ dt : int 1 1 1 1 1 1 1 1 1 1 ...
 $ ngaydt : int 13 9 13 5 18 12 21 20 22 6 ...

```

```

$ thangdt : int 9 9 9 7 7 7 9 9 9 12 ...
$ tsnguai : int 6 2 4 4 4 5 2 3 4 5 ...
$ m1b1 : int 2 2 2 2 2 2 2 2 2 ...
$ tsmuc1b : int NA NA NA NA NA NA NA NA NA NA ...
$ m2act : num 24800 0 10000 12500 7200 ...
$ m2atn : num 0 0 0 0 0 95 0 0 0 0 ...
$ m2btn : num NA NA NA NA NA NA NA NA NA NA ...
$ m4atn1 : num 73716 159870 148469 79965 56712 ...
$ m4atn2 : num 4725 2855 9517 6664 30246 ...
$ m4atn3 : num 0 0 0 0 0 0 0 0 0 0 ...
$ m4atn4 : num 0 0 0 0 0 0 0 0 0 0 ...
$ m4atn5 : int 0 0 0 0 0 0 0 0 0 0 ...
$ m4atn6 : num 0 63948 105071 53691 22685 ...
$ m4atn : num 78441 226672 263057 140320 109643 ...
$ m4b21a : int 2 2 2 2 2 2 2 2 2 2 ...
$ m4b21b : int 2 2 2 2 2 2 2 2 2 2 ...
$ m4b21t : num 0 0 0 0 0 0 0 0 0 0 ...
$ kydt : int 2 2 2 1 1 1 2 2 2 3 ...
$ m4b0c1 : int 2 2 2 2 2 2 2 2 2 2 ...
$ m4b0tn : num 0 0 0 0 0 0 0 0 0 0 ...
$ m4b1a : int 2 2 2 2 2 2 2 2 2 2 ...
$ m4b1b : int 2 2 2 2 2 2 2 2 2 2 ...
$ m4b11t : int 0 0 0 0 0 0 0 0 0 0 ...
$ m4b12t : num 0 0 0 0 0 0 0 0 0 0 ...
$ m4b13t : num 0 0 0 0 0 0 0 0 0 0 ...
$ m4b14t : num 0 0 0 0 0 0 0 0 0 0 ...
$ tongthu_01: num 256114 255316 265912 142700 126657 ...
$ tongthu_02: num 0 0 0 0 0 95 0 0 0 0 ...
$ tongthu_03: num 0 0 0 0 0 ...
$ tongthu_04: num 78441 226672 263057 140320 109643 ...
$ tongthu_05: num 0 0 0 0 0 0 0 0 0 0 ...
$ tongthu_06: num 0 0 0 0 0 0 0 0 0 0 ...
$ tongthu_07: num 0 0 0 0 0 0 0 0 0 0 ...
$ tongthu_08: num 0 0 0 0 0 0 0 0 0 0 ...
$ tongthu_09: num 0 0 0 0 0 0 0 0 0 0 ...
$ tongthu_10: num 0 0 0 0 0 0 0 0 0 0 ...
$ tongthu_11: num 0 0 0 0 0 0 0 0 0 0 ...
$ tongthu_12: num 170113 0 0 0 0 ...
$ tongthu_13: num 7561 28643 2855 2380 17014 ...
$ tongthu_14: num 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22t : num 0 0 0 0 0 0 0 0 0 0 ...
$ m4b21c : num 0 0 0 0 0 0 0 0 0 0 ...
$ m4b22c : num 0 0 0 0 0 0 0 0 0 0 ...
$ m4b31a : int 2 2 2 2 2 2 2 2 2 2 ...
$ m4b31b : int 2 2 2 2 2 2 2 2 2 2 ...
$ m4b3t : num 0 0 0 0 0 0 0 0 0 0 ...
$ m4b3c : num 0 0 0 0 0 0 0 0 0 0 ...
$ m4b41a : int 2 2 2 2 2 2 2 2 2 2 ...
$ m4b41b : int 2 2 2 2 2 2 2 2 2 2 ...
$ m4b4t : num 0 0 0 0 0 0 0 0 0 0 ...
$ m4b4c : num 0 0 0 0 0 0 0 0 0 0 ...
$ chisxkd_1 : num 117378 0 0 0 0 ...
$ chisxkd_2 : num 0 0 0 0 0 0 0 0 0 0 ...
$ chisxkd_3 : num 0 0 0 0 0 0 0 0 0 0 ...
$ chisxkd_4 : num 0 0 0 0 0 0 0 0 0 0 ...
$ chisxkd_5 : num 0 0 0 0 0 0 0 0 0 0 ...

```

```

$ chisxkd_6 : num 0 0 0 0 0 0 0 0 0 ...
$ chisxkd_7 : num 0 0 0 0 0 0 0 0 0 ...
$ chisxkd_8 : num 117378 0 0 0 0 ...
$ thunhap : num 138736 255316 265912 142700 126657 ...
$ thubq : num 1927 10638 5540 2973 2639 ...
$ chikhac_1 : num 24800 0 10000 12500 7200 ...
$ chikhac_2 : num 1410 100 450 500 700 ...
$ chikhac_3 : num 4016 2216 3461 6217 6111 ...
$ chikhac_4 : num 4911 2103 3121 3481 5979 ...
$ chikhac_5 : num 2560 1090 2000 2308 3650 ...
$ chikhac_6 : num 33460 33230 32050 17938 37440 ...
$ chikhac_7 : num 10050 8550 3800 2200 12300 ...
$ chikhac_8 : num 0 0 0 38000 0 0 25000 0 800 0 ...
$ chikhac_9 : num 15676 9372 6604 6588 6984 ...
$ m4b5c1a : int 2 2 2 2 2 2 2 2 2 ...
$ m4b5c1b : int 2 2 2 2 2 2 2 2 2 ...
$ m4b5t : num 0 0 0 0 0 0 0 0 0 ...
$ m4b5c : num 0 0 0 0 0 0 0 0 0 ...
$ m4c1 : int 1 2 2 2 2 2 2 2 2 ...
$ m4ctt : num 170113 0 0 0 0 ...
$ m4ct : num 170113 0 0 0 0 ...
$ m4cct : num 117378 0 0 0 0 ...
$ m4cc : num 117378 0 0 0 0 ...
$ m4dtn : num 7561 28643 2855 2380 17014 ...
$ m5a1ct : num 4016 2216 3461 6217 6111 ...
$ m5a1c4 : num 3616 2216 3461 6217 6111 ...
$ m5a1c5 : num 400 0 0 0 0 0 0 0 0 ...
$ m5a2ct : num 4911 2103 3121 3481 5979 ...
$ m5a2c6 : num 4911 2103 3121 3481 5979 ...
$ m5a2c7 : num 0 0 0 0 0 0 0 0 0 ...
[list output truncated]
- attr(*, "datalabel")= chr ""
- attr(*, "time.stamp")= chr " 9 May 2012 09:33"
- attr(*, "formats")= chr "%8.0g" "%8.0g" "%9.0g" "%8.0g" ...
- attr(*, "types")= int 252 252 254 252 252 251 251 251 251 ...
- attr(*, "val.labels")= chr "" "" "" "" ...
- attr(*, "var.labels")= chr "Province" "District" "Commune" "Enumerator area" ...
- attr(*, "version")= int 12
- attr(*, "label.table")=List of 16
..$ M4C1 : Named int 1 2
..- attr(*, "names")= chr "C#xe3" "Kh #ng"
..$ quyen : Named int 1 2
..- attr(*, "names")= chr "Income & Expenditure" "Income"
..$ ttnt : Named int 1 2
..- attr(*, "names")= chr "Urban" "Rural"
..$ phdich : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m1b1 : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4b21a : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4b21b : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4b0c1 : Named int 1 2
..- attr(*, "names")= chr "Yes" "No"
..$ m4b1a : Named int 1 2

```

```

.. ..- attr(*, "names")= chr "Yes" "No"
..$ m4b1b : Named int 1 2
.. ..- attr(*, "names")= chr "Yes" "No"
..$ m4b31a : Named int 1 2
.. ..- attr(*, "names")= chr "Yes" "No"
..$ m4b31b : Named int 1 2
.. ..- attr(*, "names")= chr "Yes" "No"
..$ m4b41a : Named int 1 2
.. ..- attr(*, "names")= chr "Yes" "No"
..$ m4b41b : Named int 1 2
.. ..- attr(*, "names")= chr "Yes" "No"
..$ m4b5c1b: Named int 1 2
.. ..- attr(*, "names")= chr "Yes" "No"
..$ m3c1 : Named int 1 2
.. ..- attr(*, "names")= chr "Yes" "No"
NULL

```

```

## 38 #### weight10 #####
'data.frame': 3133 obs. of 5 variables:
 $ tinh : int 1 1 1 1 1 1 1 1 1 1 ...
 $ huyen : int 1 1 1 1 1 1 2 2 2 2 ...
 $ xa : int 4 7 16 22 28 34 40 55 67 79 ...
 $ diaban: int 12 22 15 19 20 25 6 11 23 11 ...
 $ wt9 : int 3977 4805 4140 4471 3820 3997 4088 3571 3992 4137 ...
 - attr(*, "datalabel")= chr "VHLSS08 Weight"
 - attr(*, "time.stamp")= chr "27 Jul 2011 15:25"
 - attr(*, "formats")= chr "%8.0g" "%8.0g" "%8.0g" "%8.0g" ...
 - attr(*, "types")= int 251 252 252 251 252
 - attr(*, "val.labels")= chr "" "" "" "" ...
 - attr(*, "var.labels")= chr "Tinh/Province" "Huyen/District" "Xa/Commune" "Dia ban/Cluster" ...
 - attr(*, "version")= int 12
NULL

```

5.2 Summary of each variable

```
> Rnames<-sub(".dta","",file.names)
> for(j in 1:38){
+ cat("#### ",j," ": "",Rnames[j]," #####\n")
+ print(summary(lss2010[[j]]))
+ cat("\n\n")
+ }
```

```
#### 1 : hhexpe10 #####
      tinh      huyen      xa      diaban      hoso      compfoodnom
Min.   : 1.00   Min.   : 1.0   Min.   : 4   Min.   : 1.00   Min.   :13.00   Min.   : 78
1st Qu.:26.00   1st Qu.:271.0   1st Qu.: 9646   1st Qu.: 4.00   1st Qu.:13.00   1st Qu.: 15035
Median :48.00   Median :493.0   Median :20260   Median : 8.00   Median :14.00   Median : 21924
Mean   :49.74   Mean   :501.7   Mean   :18258   Mean   :10.68   Mean   :14.51   Mean   :
25913
3rd Qu.:77.00   3rd Qu.:747.0   3rd Qu.:26545   3rd Qu.:14.00   3rd Qu.:15.00   3rd Qu.: 31864
Max.   :96.00   Max.   :973.0   Max.   :32248   Max.   :91.00   Max.   :24.00
Max.   :310910
```

```
      compricenom      componnricenom      bestfoodnom      bestricenom      bestnonricenom
Min.   : 0   Min.   : 68   Min.   : 1041   Min.   : 0   Min.   : 222
1st Qu.: 2735   1st Qu.: 10829   1st Qu.: 15286   1st Qu.: 2744   1st Qu.: 11092
Median : 4018   Median : 17271   Median : 22527   Median : 4031   Median : 17789
Mean   : 4362   Mean   : 21551   Mean   : 26442   Mean   : 4377   Mean   : 22065
3rd Qu.: 5574   3rd Qu.: 27027   3rd Qu.: 32508   3rd Qu.: 5593   3rd Qu.: 27678
Max.   :90005   Max.   :305524   Max.   :316143   Max.   :90315   Max.   :310738
```

```
      urban10      reg8      reg6      monthint      hhsize
Min.   :0.0000   Min.   :1.000   Min.   :1.000   Min.   : 6.000   Min.   : 1.000
1st Qu.:0.0000   1st Qu.:2.000   1st Qu.:2.000   1st Qu.: 7.000   1st Qu.: 3.000
Median :0.0000   Median :5.000   Median :3.000   Median : 9.000   Median : 4.000
Mean   :0.2818   Mean   :4.547   Mean   :3.315   Mean   : 9.297   Mean   : 3.936
3rd Qu.:1.0000   3rd Qu.:7.000   3rd Qu.:5.000   3rd Qu.:12.000   3rd Qu.: 5.000
Max.   :1.0000   Max.   :8.000   Max.   :6.000   Max.   :12.000   Max.   :15.000
```

```
      wt9      hhszwt      deflitemrice      deflitemnonricefood      deflitemnonfood
Min.   : 369   Min.   : 737   Min.   :0.9547   Min.   :1.052   Min.   :1.031
1st Qu.:1834   1st Qu.: 5758   1st Qu.:0.9547   1st Qu.:1.057   1st Qu.:1.031
Median :2157   Median : 8315   Median :0.9870   Median :1.063   Median :1.041
Mean   :2370   Mean   : 9175   Mean   :1.0241   Mean   :1.088   Mean   :1.048
3rd Qu.:2682   3rd Qu.:11378   3rd Qu.:1.1307   3rd Qu.:1.147   3rd Qu.:1.071
Max.   :7936   Max.   :46592   Max.   :1.1307   Max.   :1.147   Max.   :1.071
```

```
      deflGS0spatialfood      deflGS0spatialnonfood      deflSCOLI      compfoodrl      compfoodpcl
Min.   :0.9181   Min.   :0.9379   Min.   :0.8890   Min.   : 79.21   Min.   :
79.21
1st Qu.:0.9466   1st Qu.:0.9543   1st Qu.:0.8990   1st Qu.: 14310.17   1st Qu.: 4022.56
Median :0.9712   Median :0.9757   Median :0.9830   Median : 20612.40   Median : 5593.15
Mean   :0.9952   Mean   :0.9945   Mean   :0.9912   Mean   : 23970.00   Mean   : 6484.15
3rd Qu.:1.0179   3rd Qu.:1.0251   3rd Qu.:1.0030   3rd Qu.: 29488.10   3rd Qu.: 7835.43
Max.   :1.1604   Max.   :1.1609   Max.   :1.2650   Max.   :287750.53
Max.   :63772.52
```

bestfoodrl	bestfoodpcrl	componfoodnom	componfoodrl	componfoodpcrl
Min. : 1072	Min. : 425.7	Min. : 11.2	Min. : 11.2	Min. : 11.2
1st Qu.: 14675	1st Qu.: 4151.1	1st Qu.: 9839.3	1st Qu.: 9653.7	1st Qu.: 2686.5
Median : 21417	Median : 5749.2	Median : 18169.2	Median : 17641.1	Median : 4818.6
Mean : 24613	Mean : 6649.5	Mean : 26699.7	Mean : 25058.8	Mean : 6761.9
3rd Qu.: 30508	3rd Qu.: 8060.0	3rd Qu.: 32160.6	3rd Qu.: 30495.8	3rd Qu.: 8208.5
Max. : 331285	Max. : 67123.6	Max. : 926879.2	Max. : 766715.7	Max. : 251322.9

comphhnom	comphhrl	comppcnom	comppcrl	bestnonfoodnom
Min. : 247.9	Min. : 250.6	Min. : 247.9	Min. : 250.6	Min. : 506.1
1st Qu.: 26221.8	1st Qu.: 25377.5	1st Qu.: 7326.9	1st Qu.: 7126.4	1st Qu.: 13870.2
Median : 40856.1	Median : 39148.1	Median : 11193.1	Median : 10654.0	Median : 25045.2
Mean : 52613.1	Mean : 49028.8	Mean : 14247.2	Mean : 13246.0	Mean : 39472.3
3rd Qu.: 64326.5	3rd Qu.: 60284.9	3rd Qu.: 17212.5	3rd Qu.: 16098.7	3rd Qu.: 44711.8
Max. : 989327.9	Max. : 817496.6	Max. : 376520.9	Max. : 313108.8	Max. : 1270749.0

bestnonfoodrl	bestnonfoodpcrl	besthnom	besthrl	bestpcnom
Min. : 484.5	Min. : 244.4	Min. : 2453	Min. : 2467	Min. : 1189
1st Qu.: 13704.9	1st Qu.: 3863.2	1st Qu.: 31029	1st Qu.: 30483	1st Qu.: 8613
Median : 24636.1	Median : 6786.2	Median : 48149	Median : 47124	Median : 13241
Mean : 36541.3	Mean : 10139.2	Mean : 65914	Mean : 61155	Mean : 18157
3rd Qu.: 42747.5	3rd Qu.: 11712.4	3rd Qu.: 77948	3rd Qu.: 73278	3rd Qu.: 20948
Max. : 938037.8	Max. : 278797.3	Max. : 1542215	Max. : 1125245	Max. : 424904

bestpcrl	bestrlpopquint	bestrlpopquinturb	bestrlpopquintrur	bestfoodpcnom
Min. : 1206	Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 452.9
1st Qu.: 8489	1st Qu.: 2.000	1st Qu.: 2.000	1st Qu.: 2.000	1st Qu.: 4299.9
Median : 12882	Median : 3.000	Median : 3.000	Median : 3.000	Median : 6059.3
Mean : 16789	Mean : 3.002	Mean : 2.941	Mean : 3.046	Mean : 7168.5
3rd Qu.: 19725	3rd Qu.: 4.000	3rd Qu.: 4.000	3rd Qu.: 4.000	3rd Qu.: 8634.1
Max. : 330399	Max. : 5.000	Max. : 5.000	Max. : 5.000	Max. : 77866.8
		NA's : 6750	NA's : 2649	

compfoodpcnom	compricepcnom	bestricepcnom	componricepcnom	bestnonricepcnom
Min. : 78	Min. : 0.0	Min. : 0.0	Min. : 68	Min. : 74
1st Qu.: 4190	1st Qu.: 833.7	1st Qu.: 836.5	1st Qu.: 3041	1st Qu.: 3147
Median : 5939	Median : 1075.5	Median : 1079.0	Median : 4791	Median : 4899
Mean : 7029	Mean : 1125.8	Mean : 1129.6	Mean : 5903	Mean : 6039
3rd Qu.: 8462	3rd Qu.: 1365.2	3rd Qu.: 1369.8	3rd Qu.: 7310	3rd Qu.: 7459
Max. : 77188	Max. : 15000.8	Max. : 15052.5	Max. : 76138	Max. : 76251

componfoodpcnom	bestnonfoodpcnom
Min. : 11.18	Min. : 249.6
1st Qu.: 2744.69	1st Qu.: 3848.5
Median : 5000.88	Median : 6882.7
Mean : 7218.00	Mean : 10988.6
3rd Qu.: 8616.79	3rd Qu.: 12372.3
Max. : 300905.44	Max. : 347772.8

```
#### 2 : muc1a #####
```

tin	huyen	xa	diaban	hoso	matv
Min. : 1.00	Min. : 1.0	Min. : 4	Min. : 1.00	Min. : 13.00	Min. : 1.00
1st Qu.: 26.00	1st Qu.: 260.0	1st Qu.: 9325	1st Qu.: 4.00	1st Qu.: 13.00	1st Qu.: 1.00
Median : 48.00	Median : 493.0	Median : 20269	Median : 8.00	Median : 14.00	Median : 3.00
Mean : 49.38	Mean : 498.1	Mean : 18140	Mean : 10.49	Mean : 14.49	Mean : 2.78

3rd Qu. :75.00	3rd Qu. :741.0	3rd Qu. :26437	3rd Qu. :14.00	3rd Qu. :15.00	3rd Qu. : 4.00
Max. :96.00	Max. :973.0	Max. :32248	Max. :91.00	Max. :24.00	Max. :15.00

m1ac2	m1ac3	m1ac4a	m1ac4b	m1ac5	m1ac6
Min. :1.000	Min. :1.000	Min. :-2.000	Min. :1908	Min. : 0.00	
Min. :1.000					
1st Qu. :1.000	1st Qu. :1.000	1st Qu. : 3.000	1st Qu. :1964	1st Qu. : 15.00	1st Qu. :1.000
Median :2.000	Median :3.000	Median : 6.000	Median :1981	Median : 28.00	Median :2.000
Mean :1.509	Mean :2.586	Mean : 6.205	Mean :1979	Mean : 31.23	Mean :1.802
3rd Qu. :2.000	3rd Qu. :3.000	3rd Qu. : 9.000	3rd Qu. :1995	3rd Qu. : 46.00	3rd Qu. :2.000
Max. :2.000	Max. :7.000	Max. :12.000	Max. :2010	Max. :102.00	
Max. :5.000					

NA's :7744

m1ac7	m1ac8	m1ac9	m1ac10	m1ac11n	m1ac11t
Min. : 0.0	Min. :1.00	Min. :1.000	Min. : 1.00	Min. : -1.0	Min. : 0.00
1st Qu. :12.0	1st Qu. :1.00	1st Qu. :1.000	1st Qu. :38.00	1st Qu. : 2.0	1st Qu. : 1.00
Median :12.0	Median :1.00	Median :1.000	Median :60.00	Median : 4.0	Median : 3.00
Mean :11.5	Mean :2.35	Mean :1.049	Mean :58.43	Mean : 6.3	Mean : 3.79
3rd Qu. :12.0	3rd Qu. :4.00	3rd Qu. :1.000	3rd Qu. :83.00	3rd Qu. : 7.0	3rd Qu. : 6.00
Max. :12.0	Max. :6.00	Max. :5.000	Max. :99.00	Max. :62.0	Max. :11.00
	NA's :35559		NA's :36453	NA's :36424	NA's :36425

3 : muc1b

tin	huyen	xa	diaban	hoso	m1bma
Min. : 1.00	Min. : 4	Min. : 124	Min. : 1.000	Min. :13.00	Min. :31.00
1st Qu. :35.00	1st Qu. :349	1st Qu. :13342	1st Qu. : 4.000	1st Qu. :13.00	1st Qu. :31.00
Median :46.00	Median :477	Median :19888	Median : 8.000	Median :14.00	Median :31.00
Mean :53.03	Mean :538	Mean :19582	Mean : 9.936	Mean :14.57	Mean :31.33
3rd Qu. :83.00	3rd Qu. :834	3rd Qu. :28981	3rd Qu. :13.000	3rd Qu. :15.00	3rd Qu. :32.00
Max. :96.00	Max. :973	Max. :32248	Max. :73.000	Max. :20.00	Max. :35.00

m1bc3	m1bc4	m1bc5	m1bc6	m1bc7a	m1bc7b
Min. :1.000	Min. :1.000	Min. : 6.00	Min. :1.00	Min. : 0.000	Min. :0.0000
1st Qu. :1.000	1st Qu. :2.000	1st Qu. :21.00	1st Qu. :1.00	1st Qu. : 1.000	1st Qu. :0.0000
Median :1.000	Median :2.000	Median :24.00	Median :1.00	Median : 2.000	Median :0.0000
Mean :1.417	Mean :1.955	Mean :26.19	Mean :1.35	Mean : 2.802	
Mean :0.9058					
3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :28.00	3rd Qu. :2.00	3rd Qu. : 3.000	3rd Qu. :0.0000
Max. :2.000	Max. :2.000	Max. :75.00	Max. :5.00	Max. :12.000	
Max. :7.0000					

NA's :2

m1bc8	m1bc9	m1bc10	m1bc11n	m1bc11t
Min. : 0.000	Min. :1.000	Min. : 1.00	Min. : -1.000	Min. : 0.000
1st Qu. : 1.000	1st Qu. :1.000	1st Qu. :38.00	1st Qu. : 1.000	1st Qu. : 1.000
Median : 1.000	Median :1.000	Median :74.00	Median : 2.000	Median : 3.000
Mean : 1.916	Mean :1.222	Mean :61.59	Mean : 5.422	Mean : 4.269
3rd Qu. : 2.000	3rd Qu. :1.000	3rd Qu. :79.00	3rd Qu. : 6.000	3rd Qu. : 7.000
Max. :12.000	Max. :5.000	Max. :99.00	Max. :40.000	Max. :11.000
		NA's :1113	NA's :1112	NA's :1113

4 : muc2

tin	huyen	xa	diaban	hoso	matv
Min. : 1.00	Min. : 1.0	Min. : 4	Min. : 1.00	Min. :13.00	Min. : 1.00
1st Qu. :26.00	1st Qu. :260.0	1st Qu. : 9325	1st Qu. : 4.00	1st Qu. :13.00	1st Qu. : 1.00

Median :48.00	Median :493.0	Median :20269	Median : 8.00	Median :14.00	Median : 3.00
Mean :49.38	Mean :498.1	Mean :18140	Mean :10.49	Mean :14.49	Mean : 2.78
3rd Qu.:75.00	3rd Qu.:741.0	3rd Qu.:26437	3rd Qu.:14.00	3rd Qu.:15.00	3rd Qu.: 4.00
Max. :96.00	Max. :973.0	Max. :32248	Max. :91.00	Max. :24.00	Max. :15.00

m2c1	m2c2a	m2c2b	m2c3	m2c4
Length:36999	Min. : 0.000	Min. :0.000	Min. :1.000	Min. :1.000
Class :character	1st Qu.: 0.000	1st Qu.:0.000	1st Qu.:1.000	1st Qu.:2.000
Mode :character	Median : 1.000	Median :0.000	Median :1.000	Median :3.000
	Mean : 1.725	Mean :0.416	Mean :1.057	Mean :2.494
	3rd Qu.: 2.000	3rd Qu.:0.000	3rd Qu.:1.000	3rd Qu.:3.000
	Max. :12.000	Max. :7.000	Max. :5.000	Max. :3.000
	NA's :4482	NA's :4482	NA's :4482	NA's :4482

m2c5	m2c6	m2c7	m2c8	m2c9
Min. :1.000	Min. : 0.000	Min. : 1.000	Min. :1.000	Min. :1.000
1st Qu.:2.000	1st Qu.: 1.000	1st Qu.: 3.000	1st Qu.:1.000	1st Qu.:1.000
Median :2.000	Median : 2.000	Median : 6.000	Median :1.000	Median :2.000
Mean :1.981	Mean : 2.647	Mean : 6.342	Mean :1.127	Mean :1.568
3rd Qu.:2.000	3rd Qu.: 3.000	3rd Qu.: 9.000	3rd Qu.:1.000	3rd Qu.:2.000
Max. :2.000	Max. :12.000	Max. :12.000	Max. :4.000	Max. :2.000
NA's :14037	NA's :27017	NA's :30019	NA's :27017	NA's :27017

m2c10a	m2c10b	m2c11a	m2c11b	m2c11c
Min. :0.00	Min. :0.00	Min. : -2.0	Min. : -2.000	Min. : -2
1st Qu.:5.00	1st Qu.:0.00	1st Qu.: 0.0	1st Qu.: 0.000	1st Qu.: 0
Median :7.00	Median :0.00	Median : 67.5	Median : 0.000	Median : 40
Mean :5.59	Mean :0.82	Mean : 854.3	Mean : 4.964	Mean : 104
3rd Qu.:7.00	3rd Qu.:1.00	3rd Qu.: 400.0	3rd Qu.: 0.000	3rd Qu.: 120
Max. :9.00	Max. :9.00	Max. :390000.0	Max. :5000.000	Max. :5000
NA's :32689	NA's :32689	NA's :27017	NA's :27017	NA's :27017

m2c11d	m2c11e	m2c11f	m2c11g	m2c11h
Min. : -2	Min. : -2.0	Min. : -2	Min. : -2.0	Min. : -2
1st Qu.: 0	1st Qu.: 0.0	1st Qu.: 0	1st Qu.: 50.0	1st Qu.: 0
Median : 40	Median : 80.0	Median : 120	Median : 110.0	Median : 0
Mean : 82	Mean : 122.7	Mean : 179	Mean : 150.2	Mean : 322
3rd Qu.: 100	3rd Qu.: 180.0	3rd Qu.: 230	3rd Qu.: 200.0	3rd Qu.: 210
Max. :10000	Max. :8000.0	Max. :5000	Max. :13300.0	Max. :29000
NA's :27017	NA's :27017	NA's :27017	NA's :27017	NA's :27017

m2c11i	m2c11k	m2c12	m2c13	m2c14
Min. : -2.0	Min. : 0.0	Min. : 0.00	Min. : 0.00	Min. : 0.00
1st Qu.: 0.0	1st Qu.: 487.2	1st Qu.: 0.00	1st Qu.: 0.00	1st Qu.: 0.00
Median : 55.0	Median : 1031.5	Median : 0.00	Median : 0.00	Median : 0.00
Mean : 516.6	Mean : 2562.8	Mean : 98.03	Mean : 34.15	Mean : 40.69
3rd Qu.: 200.0	3rd Qu.: 2650.0	3rd Qu.: 0.00	3rd Qu.: 0.00	3rd Qu.: 0.00
Max. :25920.0	Max. :390000.0	Max. :46184.00	Max. :16684.00	Max. :32000.00
NA's :27017	NA's :27017	NA's :27017	NA's :27017	

m2c15a	m2c15b	m2c16
Min. :1.00	Min. :1.00	Min. : 0.000
1st Qu.:1.00	1st Qu.:2.00	1st Qu.: 0.000
Median :1.00	Median :2.00	Median : 0.000
Mean :1.34	Mean :1.86	Mean : 2.807
3rd Qu.:2.00	3rd Qu.:2.00	3rd Qu.: 5.000
Max. :9.00	Max. :9.00	Max. :10.000
NA's :34030	NA's :34030	NA's :30610

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#### 5 : muc3a #####
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tinhh	huyen	xa	diaban	hoso	matv
Min. : 1.00	Min. : 1.0	Min. : 4	Min. : 1.0	Min. :13.00	Min. : 1.000
1st Qu.:31.00	1st Qu.:307.0	1st Qu.:11446	1st Qu. : 4.0	1st Qu.:13.00	1st Qu. : 1.000
Median :56.00	Median :570.0	Median :22498	Median : 8.0	Median :14.00	Median : 2.000
Mean :53.64	Mean :538.4	Mean :19538	Mean :10.8	Mean :14.49	Mean : 2.549
3rd Qu.:80.00	3rd Qu.:794.0	3rd Qu.:27685	3rd Qu.:15.0	3rd Qu.:15.00	3rd Qu. : 3.000
Max. :96.00	Max. :973.0	Max. :32248	Max. :91.0	Max. :21.00	Max. :12.000
					NA's :1

m3c2	m3c3a	m3c3b	m3c4	m3c5a
Length:19647	Min. :1.000	Min. : 1.000	Min. :1.00	Min. : 0.000
Class :character	1st Qu.:1.000	1st Qu. : 4.000	1st Qu.:3.00	1st Qu. : 1.000
Mode :character	Median :1.000	Median : 5.000	Median :4.00	Median : 1.000
	Mean :1.278	Mean : 5.789	Mean :3.62	Mean : 2.554
	3rd Qu.:1.000	3rd Qu. :10.000	3rd Qu.:4.00	3rd Qu. : 3.000
	Max. :8.000	Max. :13.000	Max. :4.00	Max. :80.000
	NA's :1	NA's :1	NA's :1	NA's :1

m3c5b	m3c6a	m3c6b	m3c7	m3c8
Min. : 0.0	Min. : 0.0000	Min. : 0	Min. :1.00	Min. : 0
1st Qu. : 35.0	1st Qu. : 0.0000	1st Qu. : 300	1st Qu.:1.00	1st Qu. : 200
Median : 150.0	Median : 0.0000	Median : 1000	Median :1.00	Median : 800
Mean : 588.6	Mean : 0.2329	Mean : 3077	Mean :1.07	Mean : 2795
3rd Qu. : 450.0	3rd Qu. : 0.0000	3rd Qu. : 3000	3rd Qu.:1.00	3rd Qu. : 2500
Max. :168000.0	Max. :30.0000	Max. :236000	Max. :3.00	Max. :90000
NA's :2553	NA's :1	NA's :16204	NA's :1	NA's :18463

6 : muc3b

tinhh	huyen	xa	diaban	hoso	matv
Min. : 1.00	Min. : 1.0	Min. : 4	Min. : 1.00	Min. :13.00	Min. : 1.00
1st Qu.:26.00	1st Qu.:260.0	1st Qu. : 9325	1st Qu. : 4.00	1st Qu.:13.00	1st Qu. : 1.00
Median :48.00	Median :493.0	Median :20269	Median : 8.00	Median :14.00	Median : 3.00
Mean :49.38	Mean :498.1	Mean :18140	Mean :10.49	Mean :14.49	Mean : 2.78
3rd Qu.:75.00	3rd Qu.:741.0	3rd Qu.:26437	3rd Qu.:14.00	3rd Qu.:15.00	3rd Qu. : 4.00
Max. :96.00	Max. :973.0	Max. :32248	Max. :91.00	Max. :24.00	Max. :15.00

m3c9	m3c10a	m3c10b	m3c11	m3c12a
Min. :1.00	Min. : -1.000	Min. : 0.000	Min. : 0.0	Min. :1.000
1st Qu.:1.00	1st Qu. : 2.000	1st Qu. : 0.000	1st Qu. : 120.0	1st Qu. :1.000
Median :1.00	Median : 5.000	Median : 0.000	Median : 174.0	Median :2.000
Mean :1.39	Mean : 5.218	Mean : 0.098	Mean : 194.3	Mean :1.716
3rd Qu.:2.00	3rd Qu. : 8.000	3rd Qu. : 0.000	3rd Qu. : 254.0	3rd Qu. :2.000
Max. :2.00	Max. :10.000	Max. :10.000	Max. :11600.0	Max. :2.000
	NA's :14420	NA's :14420	NA's :29246	NA's :14420

m3c12b	m3c13	m3c14	m3c15
Min. :1.000	Min. : 0.0	Min. : 0.00	Min. : 0.0
1st Qu.:2.000	1st Qu. : 100.0	1st Qu. : 0.00	1st Qu. : 0.0
Median :2.000	Median : 200.0	Median : 0.00	Median : 0.0
Mean :1.908	Mean : 505.9	Mean : 36.44	Mean : 592.7
3rd Qu.:2.000	3rd Qu. : 450.0	3rd Qu. : 20.00	3rd Qu. : 221.0
Max. :9.000	Max. :44000.0	Max. :10000.00	Max. :142745.0
NA's :14420	NA's :27600	NA's :27600	NA's :27600

7 : muc4a

tinhh	huyen	xa	diaban	hoso	matv
Min. : 1.00	Min. : 1.0	Min. : 4	Min. : 1.00	Min. :13.00	Min. : 1.00

1st Qu.:26.00	1st Qu.:260.0	1st Qu.: 9325	1st Qu.: 4.00	1st Qu.:13.00	1st Qu.: 1.00
Median :48.00	Median :493.0	Median :20269	Median : 8.00	Median :14.00	Median : 3.00
Mean :49.38	Mean :498.1	Mean :18140	Mean :10.49	Mean :14.49	Mean : 2.78
3rd Qu.:75.00	3rd Qu.:741.0	3rd Qu.:26437	3rd Qu.:14.00	3rd Qu.:15.00	3rd Qu.: 4.00
Max. :96.00	Max. :973.0	Max. :32248	Max. :91.00	Max. :24.00	Max. :15.00
m4ac1a	m4ac1b	m4ac1c	m4ac2	m4ac3a	
Min. :1.000	Min. :1.00	Min. :1.000	Min. :1.000	Min. : 1.0	
1st Qu.:1.000	1st Qu.:1.00	1st Qu.:2.000	1st Qu.:1.000	1st Qu.:160.0	
Median :2.000	Median :2.00	Median :2.000	Median :1.000	Median :240.0	
Mean :1.707	Mean :1.59	Mean :1.851	Mean :1.337	Mean :221.4	
3rd Qu.:2.000	3rd Qu.:2.00	3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:300.0	
Max. :2.000	Max. :2.00	Max. :2.000	Max. :2.000	Max. :365.0	
NA's :3593	NA's :3593	NA's :3593	NA's :3593	NA's :14836	
m4ac3m	m4ac3	m4ac4c	m4ac4m	m4ac4	
Length:36999	Min. : 1.00	Length:36999	Length:36999	Min. : 2.00	
Class :character	1st Qu.:61.00	Class :character	Class :character	1st Qu.: 41.00	
Mode :character	Median :92.00	Mode :character	Mode :character	Median : 85.00	
	Mean :75.83			Mean : 75.08	
	3rd Qu.:92.00			3rd Qu.:110.00	
	Max. :96.00			Max. :160.00	
	NA's :14836			NA's :14836	
m4ac5	m4ac6	m4ac7	m4ac8a	m4ac8b	m4ac9
Min. :1.000	Min. : -1.00	Min. : -1.000	Min. :1.000	Min. :1.00	
Min. :1.000					
1st Qu.:1.000	1st Qu.:17.00	1st Qu.: 5.000	1st Qu.:1.000	1st Qu.:1.00	1st Qu.:1.000
Median :1.000	Median :22.00	Median : 8.000	Median :1.000	Median :1.00	Median :2.000
Mean :1.077	Mean :21.12	Mean : 6.786	Mean :1.961	Mean :1.27	
Mean :1.658					
3rd Qu.:1.000	3rd Qu.:26.00	3rd Qu.: 8.000	3rd Qu.:2.000	3rd Qu.:2.00	3rd Qu.:2.000
Max. :9.000	Max. :30.00	Max. :24.000	Max. :6.000	Max. :2.00	
Max. :2.000					
NA's :14836	NA's :14836	NA's :14836	NA's :14836	NA's :34821	
NA's :14836					
m4ac10	m4ac11	m4ac12a	m4ac12b	m4ac13a	
Min. : -1	Min. : 99	Min. : 0	Min. : 0	Min. :1.000	
1st Qu.:1300	1st Qu.:11808	1st Qu.: 0	1st Qu.: 0	1st Qu.:1.000	
Median :1930	Median :20521	Median :101	Median : 0	Median :1.000	
Mean :2319	Mean :25243	Mean :1174	Mean :1506	Mean :1.474	
3rd Qu.:2835	3rd Qu.:31917	3rd Qu.:945	3rd Qu.:1499	3rd Qu.:2.000	
Max. :46784	Max. :561409	Max. :56141	Max. :132141	Max. :2.000	
NA's :29412	NA's :29412	NA's :29412	NA's :29412	NA's :29412	
m4ac13b	m4ac13c	m4ac14	m4ac15a	m4ac15m	
Min. :1.000	Min. :1.000	Min. :1.000	Min. : 1.0	Length:36999	
1st Qu.:1.000	1st Qu.:1.000	1st Qu.:1.000	1st Qu.:55.0	Class :character	
Median :2.000	Median :2.000	Median :2.000	Median :90.0	Mode :character	
Mean :1.592	Mean :1.615	Mean :1.547	Mean :111.8		
3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:2.000	3rd Qu.:144.0		
Max. :2.000	Max. :2.000	Max. :2.000	Max. :365.0		
NA's :29412	NA's :29412	NA's :14836	NA's :26965		
m4ac15	m4ac16c	m4ac16m	m4ac16	m4ac17	
Min. : 2.00	Length:36999	Length:36999	Min. : 2.00	Min. :1.000	
1st Qu.:92.00	Class :character	Class :character	1st Qu.:41.00	1st Qu.:1.000	
Median :92.00	Mode :character	Mode :character	Median :110.00	Median :1.000	
Mean :85.26			Mean :86.43	Mean :1.187	
3rd Qu.:92.00			3rd Qu.:110.00	3rd Qu.:1.000	

Max. :96.00			Max. :160.00	Max. :2.000
NA's :26965			NA's :26965	NA's :26965
m4ac18	m4ac19	m4ac20	m4ac21	m4ac22
Min. :-1.00	Min. :-1.000	Min. :1.000	Min. :1.000	Min. : -1.0
1st Qu. : 8.00	1st Qu. : 3.000	1st Qu. :1.000	1st Qu. :2.000	1st Qu. : 445.5
Median :12.00	Median : 4.000	Median :1.000	Median :2.000	Median : 800.0
Mean :14.79	Mean : 4.839	Mean :1.297	Mean :1.791	Mean : 1076.9
3rd Qu. :20.00	3rd Qu. : 7.000	3rd Qu. :1.000	3rd Qu. :2.000	3rd Qu. : 1479.0
Max. :30.00	Max. :20.000	Max. :6.000	Max. :2.000	Max. :15727.0
NA's :26965	NA's :26965	NA's :26965	NA's :26965	NA's :34904
m4ac23	m4ac24a	m4ac24b	m4ac25	m4ac26
Min. : 40	Min. : 0.00	Min. : 0.0	Min. :1.000	Min. : 0
1st Qu. : 2549	1st Qu. : 0.00	1st Qu. : 0.0	1st Qu. :2.000	1st Qu. : 1030
Median : 4425	Median : 0.00	Median : 0.0	Median :2.000	Median : 2043
Mean : 5724	Mean : 38.57	Mean : 129.4	Mean :1.919	Mean : 2748
3rd Qu. : 7200	3rd Qu. : 0.00	3rd Qu. : 0.0	3rd Qu. :2.000	3rd Qu. : 3687
Max. :120832	Max. :8055.00	Max. :23392.0	Max. :2.000	Max. :24523
NA's :34904	NA's :34904	NA's :34904	NA's :26965	NA's :36186
m4ac27	m4ac28a	m4ac28b	m4ac28c	m4ac28d
Min. :1.000	Min. : 0.00	Min. : 0.0	Min. : 0	Min. : 0
1st Qu. :2.000	1st Qu. : 0.00	1st Qu. : 0.0	1st Qu. : 4944	1st Qu. : 0
Median :2.000	Median : 0.00	Median : 0.0	Median : 19200	Median : 0
Mean :1.961	Mean : 16.21	Mean : 426.5	Mean : 18834	Mean : 2434
3rd Qu. :2.000	3rd Qu. : 0.00	3rd Qu. : 0.0	3rd Qu. : 25614	3rd Qu. : 0
Max. :2.000	Max. :9357.00	Max. :139785.0	Max. :102861	Max. :72082
NA's :9132	NA's :35916	NA's :35916	NA's :35916	NA's :35916
m4ac28e				
Min. : 0				
1st Qu. : 0				
Median : 0				
Mean : 1005				
3rd Qu. : 0				
Max. :35025				
NA's :35916				

8 : muc4b0

tinh	huyen	xa	diaban	hoso	m4b0ma
Min. : 1.00	Min. : 3.0	Min. : 91	Min. : 1.000	Min. :13.0	Min. :1.000
1st Qu. :20.00	1st Qu. :187.0	1st Qu. : 6448	1st Qu. : 3.000	1st Qu. :13.0	1st Qu. :1.000
Median :38.00	Median :387.0	Median :15022	Median : 7.000	Median :14.0	Median :2.000
Mean :42.17	Mean :425.7	Mean :15626	Mean : 8.207	Mean :14.4	Mean :2.602
3rd Qu. :64.00	3rd Qu. :638.5	3rd Qu. :24103	3rd Qu. :11.000	3rd Qu. :15.0	3rd Qu. :5.000
Max. :96.00	Max. :973.0	Max. :32248	Max. :73.000	Max. :24.0	Max. :7.000

m4b0c3	m4b0c4	m4b0c5
Min. : 4	Min. : 0.0	Min. : 0.0
1st Qu. : 480	1st Qu. : 0.0	1st Qu. : 0.0
Median : 1590	Median : 0.0	Median : 0.0
Mean : 5157	Mean : 191.1	Mean : 148.4
3rd Qu. : 4500	3rd Qu. : 0.0	3rd Qu. : 0.0
Max. :2815072	Max. :80000.0	Max. :48938.0
	NA's :4	

9 : muc4b11

tin	huyen	xa	diaban	hoso	m4b11ma
Min. : 1.00	Min. : 4.0	Min. : 148	Min. : 1.000	Min. : 13.0	Min. : 1.00
1st Qu.: 24.00	1st Qu.: 223.0	1st Qu.: 7831	1st Qu.: 3.000	1st Qu.: 13.0	1st Qu.: 1.00
Median : 36.00	Median : 360.0	Median : 13879	Median : 7.000	Median : 14.0	Median : 3.00
Mean : 39.79	Mean : 406.8	Mean : 15054	Mean : 8.274	Mean : 14.4	Mean : 3.38
3rd Qu.: 52.00	3rd Qu.: 546.0	3rd Qu.: 21802	3rd Qu.: 11.000	3rd Qu.: 15.0	3rd Qu.: 5.00
Max. : 96.00	Max. : 972.0	Max. : 32215	Max. : 73.000	Max. : 24.0	Max. : 7.00

m4b11c3	m4b11c4	m4b11c5	m4b11c6	m4b11c7
Min. : 40	Min. : 12	Min. : 0.000	Min. : 0	Min. : 0
1st Qu.: 1008	1st Qu.: 475	1st Qu.: 0.000	1st Qu.: 0	1st Qu.: 1842
Median : 2000	Median : 936	Median : 0.000	Median : 0	Median : 4121
Mean : 4115	Mean : 2074	Mean : 6.639	Mean : 1285	Mean : 12555
3rd Qu.: 4000	3rd Qu.: 1807	3rd Qu.: 0.000	3rd Qu.: 700	3rd Qu.: 10637
Max. : 161000	Max. : 89770	Max. : 1000.000	Max. : 87770	Max. : 383440
				NA's : 7393

m4b11c8
Min. : 72
1st Qu.: 2423
Median : 4790
Mean : 9754
3rd Qu.: 9200
Max. : 393319

10 : muc4b12

tin	huyen	xa	diaban	hoso	m4b12ma
Min. : 1.00	Min. : 3.0	Min. : 91	Min. : 1.000	Min. : 13.00	Min. : 8.00
1st Qu.: 14.00	1st Qu.: 119.0	1st Qu.: 3778	1st Qu.: 3.000	1st Qu.: 13.00	1st Qu.: 12.00
Median : 25.00	Median : 236.0	Median : 8461	Median : 6.000	Median : 14.00	Median : 16.00
Mean : 29.27	Mean : 292.5	Mean : 10910	Mean : 7.068	Mean : 14.37	
Mean : 14.88					
3rd Qu.: 40.00	3rd Qu.: 420.0	3rd Qu.: 17071	3rd Qu.: 10.000	3rd Qu.: 15.00	3rd Qu.: 19.00
Max. : 96.00	Max. : 973.0	Max. : 32239	Max. : 68.000	Max. : 24.00	
Max. : 21.00					

m4b12c3	m4b12c4	m4b12c5	m4b12c6	m4b12c7
Min. : -1	Min. : 1.0	Min. : 0.0	Min. : 0	Min. : 5
1st Qu.: 20	1st Qu.: 25.0	1st Qu.: 0.0	1st Qu.: 0	1st Qu.: 93
Median : 50	Median : 70.0	Median : 0.0	Median : 106	Median : 230
Mean : 735	Mean : 780.5	Mean : 606.2	Mean : 3315	Mean : 2061
3rd Qu.: 360	3rd Qu.: 300.0	3rd Qu.: 25.0	3rd Qu.: 1410	3rd Qu.: 885
Max. : 80000	Max. : 114000.0	Max. : 114000.0	Max. : 798447	Max. : 798447
	NA's : 3727	NA's : 3727	NA's : 6906	

11 : muc4b13

tin	huyen	xa	diaban	hoso	m4b13ma
Min. : 1.00	Min. : 4.0	Min. : 148	Min. : 1.000	Min. : 13.00	Min. : 22.00
1st Qu.: 24.00	1st Qu.: 221.0	1st Qu.: 7704	1st Qu.: 3.000	1st Qu.: 13.00	1st Qu.: 23.00
Median : 42.00	Median : 446.0	Median : 18565	Median : 6.000	Median : 14.00	Median : 28.00
Mean : 44.73	Mean : 451.5	Mean : 16757	Mean : 8.068	Mean : 14.39	
Mean : 28.46					
3rd Qu.: 67.00	3rd Qu.: 664.0	3rd Qu.: 24691	3rd Qu.: 11.000	3rd Qu.: 15.00	3rd Qu.: 34.00
Max. : 96.00	Max. : 973.0	Max. : 32239	Max. : 61.000	Max. : 20.00	

Max. :38.00

m4b13c3a	m4b13c3b	m4b13c4	m4b13c5	m4b13c6
Min. : 1	Min. :1.000	Min. : 1	Min. : 0	Min. : 0
1st Qu.: 100	1st Qu.:1.000	1st Qu.: 50	1st Qu.: 0	1st Qu.: 780
Median : 500	Median :1.000	Median : 160	Median : 100	Median : 2666
Mean : 3063	Mean :1.201	Mean : 2175	Mean : 2079	Mean : 17635
3rd Qu.: 2160	3rd Qu.:1.000	3rd Qu.: 855	3rd Qu.: 700	3rd Qu.: 12878
Max. :500000	Max. :2.000	Max. :236250	Max. :236250	Max. :3508317
		NA's :77	NA's :77	NA's :839

m4b13c7

Min. : 9

1st Qu.: 490

Median : 1586

Mean : 13460

3rd Qu.: 7500

Max. :3508317

12 : muc4b14

tin	huyen	xa	diaban	hoso	m4b14ma
Min. : 1.00	Min. : 16.0	Min. : 382	Min. : 1.00	Min. :13.00	Min. :39.00
1st Qu.:20.00	1st Qu.:199.0	1st Qu.: 6637	1st Qu.: 3.00	1st Qu.:13.00	1st Qu.:41.00
Median :36.00	Median :364.0	Median :14104	Median : 7.00	Median :14.00	Median :45.00
Mean :40.82	Mean :409.5	Mean :15026	Mean : 8.09	Mean :14.38	Mean :44.93
3rd Qu.:64.00	3rd Qu.:628.5	3rd Qu.:23785	3rd Qu.:11.00	3rd Qu.:15.00	3rd Qu.:49.00
Max. :96.00	Max. :973.0	Max. :32239	Max. :61.00	Max. :20.00	Max. :54.00

m4b14c3a	m4b14c3b	m4b14c4	m4b14c5	m4b14c6
Min. : 1.0	Min. :1.000	Min. : 1.0	Min. : 0.0	Min. : 0.0
1st Qu.: 2.0	1st Qu.:2.000	1st Qu.: 20.0	1st Qu.: 0.0	1st Qu.: 80.0
Median : 4.0	Median :2.000	Median : 45.0	Median : 0.0	Median : 297.0
Mean : 208.8	Mean :1.867	Mean : 294.4	Mean : 244.3	Mean : 3045.6
3rd Qu.: 10.0	3rd Qu.:2.000	3rd Qu.: 120.0	3rd Qu.: 50.0	3rd Qu.: 957.2
Max. :50000.0	Max. :2.000	Max. :62500.0	Max. :62300.0	Max. :225000.0
		NA's :930	NA's :930	NA's :3995

m4b14c7

Min. : 5.0

1st Qu.: 90.5

Median : 199.0

Mean : 1595.9

3rd Qu.: 507.0

Max. :225000.0

13 : muc4b15

tin	huyen	xa	diaban	hoso	m4b15ma
Min. : 1.0	Min. : 16.0	Min. : 382	Min. : 1.000	Min. :13.0	Min. : 1.00
1st Qu.:22.0	1st Qu.:217.0	1st Qu.: 7360	1st Qu.: 3.000	1st Qu.:13.0	1st Qu.: 1.00
Median :36.0	Median :365.5	Median :14218	Median : 7.000	Median :14.0	Median : 3.00
Mean :39.7	Mean :403.5	Mean :14950	Mean : 8.052	Mean :14.4	Mean : 3.87
3rd Qu.:52.0	3rd Qu.:550.0	3rd Qu.:21978	3rd Qu.:11.000	3rd Qu.:15.0	3rd Qu.: 8.00
Max. :96.0	Max. :969.0	Max. :32149	Max. :73.000	Max. :24.0	Max. :10.00

m4b15c2		m4b15c3		m4b15c4		m4b15c5	
Min.	: 0.00	Min.	: 0.00	Min.	: 0.0	Min.	: 4
1st Qu.	: 0.00	1st Qu.	: 0.00	1st Qu.	: 0.0	1st Qu.	: 84
Median	: 0.00	Median	: 0.00	Median	: 89.0	Median	: 178
Mean	: 41.96	Mean	: 85.33	Mean	: 201.2	Mean	: 313
3rd Qu.	: 0.00	3rd Qu.	: 96.00	3rd Qu.	: 226.0	3rd Qu.	: 350
Max.	: 9302.00	Max.	: 5528.00	Max.	: 10502.0	Max.	: 10502
		NA's	: 1207				

14 : muc4b16

tinh		huyen		xa		diaban		hoso	
Min.	: 1.00	Min.	: 3.0	Min.	: 91	Min.	: 1.000	Min.	: 13.00
1st Qu.	: 24.00	1st Qu.	: 240.0	1st Qu.	: 8662	1st Qu.	: 3.000	1st Qu.	: 13.00
Median	: 38.00	Median	: 396.0	Median	: 15643	Median	: 7.000	Median	: 14.00
Mean	: 43.36	Mean	: 440.9	Mean	: 16267	Mean	: 8.594	Mean	: 14.42
3rd Qu.	: 64.00	3rd Qu.	: 639.0	3rd Qu.	: 24103	3rd Qu.	: 12.000	3rd Qu.	: 15.00
Max.	: 96.00	Max.	: 973.0	Max.	: 32239	Max.	: 73.000	Max.	: 24.00

m4b16ma		m4b16c2a		m4b16c2b		m4b16c2c		m4b16c2d	
Min.	: 1.00	Min.	: -2.0	Min.	: -2.0	Min.	: -2	Min.	: -2.00
1st Qu.	: 3.00	1st Qu.	: 17.0	1st Qu.	: 0.0	1st Qu.	: 0	1st Qu.	: 0.00
Median	: 7.00	Median	: 140.0	Median	: 0.0	Median	: 0	Median	: 0.00
Mean	: 14.51	Mean	: 690.5	Mean	: 187.6	Mean	: 330	Mean	: 64.08
3rd Qu.	: 13.00	3rd Qu.	: 513.0	3rd Qu.	: 55.0	3rd Qu.	: 0	3rd Qu.	: 0.00
Max.	: 911.00	Max.	: 92447.0	Max.	: 257497.0	Max.	: 752401	Max.	: 40023.00

m4b16c2e		m4b16c2e1		m4b16c2e2	
Min.	: 2	Min.	: 0.00	Min.	: 0.000
1st Qu.	: 108	1st Qu.	: 0.00	1st Qu.	: 0.000
Median	: 324	Median	: 0.00	Median	: 0.000
Mean	: 1272	Mean	: 4.94	Mean	: 0.325
3rd Qu.	: 990	3rd Qu.	: 0.00	3rd Qu.	: 0.000
Max.	: 752401	Max.	: 39566.00	Max.	: 3368.000

15 : muc4b17

tinh		huyen		xa		diaban		hoso		m4b17ma	
Min.	: 1.0	Min.	: 3	Min.	: 91	Min.	: 1.000	Min.	: 13.00	Min.	: 1.00
1st Qu.	: 25.0	1st Qu.	: 252	1st Qu.	: 9037	1st Qu.	: 4.000	1st Qu.	: 13.00	1st Qu.	: 1.00
Median	: 40.0	Median	: 421	Median	: 17158	Median	: 7.000	Median	: 14.00	Median	: 3.00
Mean	: 44.9	Mean	: 457	Mean	: 16839	Mean	: 8.833	Mean	: 14.43	Mean	: 2.58
3rd Qu.	: 66.0	3rd Qu.	: 655	3rd Qu.	: 24538	3rd Qu.	: 12.000	3rd Qu.	: 15.00	3rd Qu.	: 4.00
Max.	: 96.0	Max.	: 972	Max.	: 32215	Max.	: 73.000	Max.	: 21.00	Max.	: 5.00

m4b17c2		m4b17c3		m4b17c4		m4b17c5		m4b17c6	
Min.	: -1	Min.	: -1.00	Min.	: -1.00	Min.	: -1.0	Min.	: 1.0
1st Qu.	: 10	1st Qu.	: 0.00	1st Qu.	: 0.00	1st Qu.	: 0.0	1st Qu.	: 40.0
Median	: 48	Median	: 0.00	Median	: 0.00	Median	: 0.0	Median	: 98.0
Mean	: 105	Mean	: 32.84	Mean	: 69.39	Mean	: 11.3	Mean	: 218.5
3rd Qu.	: 110	3rd Qu.	: 15.00	3rd Qu.	: 2.00	3rd Qu.	: 0.0	3rd Qu.	: 210.0
Max.	: 4650	Max.	: 30000.00	Max.	: 15000.00	Max.	: 3600.0	Max.	: 30000.0

16 : muc4b21

tinh		huyen		xa		diaban		hoso	
Min.	: 1.00	Min.	: 16.0	Min.	: 382	Min.	: 1.000	Min.	: 13.00
1st Qu.	: 17.00	1st Qu.	: 164.0	1st Qu.	: 5494	1st Qu.	: 3.000	1st Qu.	: 13.00
Median	: 35.00	Median	: 351.0	Median	: 13471	Median	: 6.000	Median	: 14.00

Mean :36.79	Mean :370.6	Mean :13790	Mean : 7.695	Mean :14.38
3rd Qu.:51.00	3rd Qu.:528.0	3rd Qu.:21268	3rd Qu.:10.000	3rd Qu.:15.00
Max. :96.00	Max. :973.0	Max. :32239	Max. :65.000	Max. :24.00

m4b21ma	m4b21c3	m4b21c4a	m4b21c4b	m4b21c5
Min. : 1.000	Min. : 0	Min. : 0.0	Min. : 0.0	Min. : 0
1st Qu.: 5.000	1st Qu.: 20	1st Qu.: 0.0	1st Qu.: 23.5	1st Qu.: 358
Median : 6.000	Median : 45	Median : 8.0	Median : 1028.0	Median : 1092
Mean : 8.401	Mean : 1321	Mean : 949.7	Mean : 7989.8	Mean : 6961
3rd Qu.:12.000	3rd Qu.: 145	3rd Qu.: 65.0	3rd Qu.: 4366.5	3rd Qu.: 3250
Max. :19.000	Max. :3285000	Max. :1319000.0	Max. :2315764.0	Max. :9801013
	NA's :2802	NA's :2802	NA's :4309	

17 : muc4b22

tin	huyen	xa	diaban	hoso
Min. : 1.00	Min. : 16.0	Min. : 382	Min. : 1.000	Min. :13.00
1st Qu.:19.00	1st Qu.:172.0	1st Qu.: 5896	1st Qu.: 3.000	1st Qu.:13.00
Median :36.00	Median :363.0	Median :14038	Median : 6.000	Median :14.00
Mean :38.87	Mean :391.8	Mean :14513	Mean : 7.849	Mean :14.39
3rd Qu.:52.00	3rd Qu.:549.0	3rd Qu.:21946	3rd Qu.:11.000	3rd Qu.:15.00
Max. :96.00	Max. :973.0	Max. :32239	Max. :65.000	Max. :24.00

m4b22ma	m4b22c7	m4b22c8	m4b22c9	m4b22c10a
Min. : 1.000	Min. : 0	Min. : 0	Min. : 0.0	Min. : -2.00
1st Qu.: 1.000	1st Qu.: 56	1st Qu.: 267	1st Qu.: 0.0	1st Qu.: 0.00
Median : 5.000	Median : 172	Median : 665	Median : 17.0	Median : 0.00
Mean : 4.203	Mean : 1696	Mean : 4915	Mean : 140.6	Mean : 56.36
3rd Qu.: 5.000	3rd Qu.: 554	3rd Qu.: 1821	3rd Qu.: 58.0	3rd Qu.: 0.00
Max. :11.000	Max. :3252154	Max. :1812846	Max. :118800.0	Max. :201960.00
	NA's :107			

m4b22c10b	m4b22c10c	m4b22c10d	m4b22c10e	m4b22c10f
Min. : 0.000	Min. : 0.000	Min. : 0.00	Min. : 0.00000	Min. :
0.00000				
1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.: 0.00	1st Qu.: 0.00000	1st Qu.: 0.00000
Median : 0.000	Median : 0.000	Median : 0.00	Median : 0.00000	Median : 0.00000
Mean : 3.859	Mean : 9.327	Mean : 11.88	Mean : 0.04808	Mean :
0.00814				
3rd Qu.: 0.000	3rd Qu.: 0.000	3rd Qu.: 0.00	3rd Qu.: 0.00000	3rd Qu.: 0.00000
Max. :12289.000	Max. :9500.000	Max. :16653.00	Max. :208.00000	
Max. :66.00000				

m4b22c10g	m4b22c10h	m4b22c10i	m4b22c10j	m4b22c10k
Min. : 0.000	Min. : 0.000	Min. : 0.000	Min. : 0.00	Min. : -2.00
1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.: 0.000	1st Qu.: 0.00	1st Qu.: 0.00
Median : 0.000	Median : 0.000	Median : 0.000	Median : 0.00	Median : 0.00
Mean : 5.467	Mean : 2.435	Mean : 1.228	Mean : 65.33	Mean : 12.88
3rd Qu.: 0.000	3rd Qu.: 0.000	3rd Qu.: 0.000	3rd Qu.: 0.00	3rd Qu.: 0.00
Max. :22163.000	Max. :4725.000	Max. :1210.000	Max. :4764.00	Max. :11816.00

m4b22c11	m4b22c12	m4b22c13	m4b22c14	m4b22c15
Min. : 0.000	Min. : 0.0	Min. : 0.0	Min. : -2.000	Min. :
0.00				
1st Qu.: 0.000	1st Qu.: 0.0	1st Qu.: 0.0	1st Qu.: 0.000	1st Qu.: 0.00
Median : 0.000	Median : 0.0	Median : 0.0	Median : 0.000	Median : 0.00
Mean : 5.987	Mean : 175.6	Mean : 188.5	Mean : 9.596	Mean :

33.55

3rd Qu. : 0.000 3rd Qu. : 92.0 3rd Qu. : 0.0 3rd Qu. : 0.000 3rd Qu. : 0.00
 Max. : 9449.000 Max. : 38154.0 Max. : 1467182.0 Max. : 20598.000
 Max. : 106180.00

m4b22c16	m4b22c17	m4b22c18	m4b22c19
Min. : 0.0	Min. : 0.0000	Min. : -2.00	Min. : 5
1st Qu. : 0.0	1st Qu. : 0.0000	1st Qu. : 0.00	1st Qu. : 466
Median : 0.0	Median : 0.0000	Median : 22.00	Median : 1098
Mean : 90.9	Mean : 0.2552	Mean : 73.44	Mean : 7476
3rd Qu. : 0.0	3rd Qu. : 0.0000	3rd Qu. : 62.00	3rd Qu. : 3146
Max. : 594001.0	Max. : 1453.0000	Max. : 23026.00	Max. : 6950799

18 : muc4b31

tinh	huyen	xa	diaban	hoso	m4b31ma
Min. : 1.00	Min. : 16.0	Min. : 382	Min. : 1.00	Min. : 13.00	Min. : 1.000
1st Qu. : 34.00	1st Qu. : 340.0	1st Qu. : 12703	1st Qu. : 5.00	1st Qu. : 13.00	1st Qu. : 1.000
Median : 44.50	Median : 459.5	Median : 19264	Median : 8.00	Median : 14.00	Median : 1.000
Mean : 49.28	Mean : 500.9	Mean : 18487	Mean : 10.37	Mean : 14.32	Mean : 2.095
3rd Qu. : 72.00	3rd Qu. : 707.8	3rd Qu. : 25596	3rd Qu. : 14.00	3rd Qu. : 15.00	3rd Qu. : 4.000
Max. : 95.00	Max. : 959.0	Max. : 31951	Max. : 65.00	Max. : 20.00	Max. : 5.000

m4b31c3	m4b31c4	m4b31c5
Min. : 0.500	Min. : 67	Min. : 67
1st Qu. : 2.000	1st Qu. : 1719	1st Qu. : 4486
Median : 2.000	Median : 3998	Median : 10280
Mean : 3.288	Mean : 7978	Mean : 24643
3rd Qu. : 4.000	3rd Qu. : 8116	3rd Qu. : 21634
Max. : 12.000	Max. : 142660	Max. : 427981

19 : muc4b32

tinh	huyen	xa	diaban	hoso	m4b32ma
Min. : 1.00	Min. : 16.0	Min. : 382	Min. : 1.00	Min. : 13.00	Min. : 1.000
1st Qu. : 34.00	1st Qu. : 340.0	1st Qu. : 12700	1st Qu. : 5.00	1st Qu. : 13.00	1st Qu. : 1.000
Median : 44.00	Median : 450.0	Median : 18880	Median : 8.00	Median : 14.00	Median : 1.000
Mean : 49.12	Mean : 499.2	Mean : 18434	Mean : 10.39	Mean : 14.32	Mean : 2.075
3rd Qu. : 72.00	3rd Qu. : 706.5	3rd Qu. : 25549	3rd Qu. : 14.00	3rd Qu. : 15.00	3rd Qu. : 4.000
Max. : 95.00	Max. : 959.0	Max. : 31951	Max. : 65.00	Max. : 20.00	Max. : 5.000

m4b32c7	m4b32c8	m4b32c9a	m4b32c9b	m4b32c9c
Min. : 0	Min. : 0.0	Min. : 0.00	Min. : 0	Min. : 0.00
1st Qu. : 0	1st Qu. : 29.0	1st Qu. : 0.00	1st Qu. : 0	1st Qu. : 0.00
Median : 0	Median : 100.0	Median : 0.00	Median : 0	Median : 0.00
Mean : 1678	Mean : 307.9	Mean : 81.92	Mean : 0	Mean : 10.24
3rd Qu. : 0	3rd Qu. : 220.5	3rd Qu. : 0.00	3rd Qu. : 0	3rd Qu. : 0.00
Max. : 302258	Max. : 24001.0	Max. : 10016.00	Max. : 0	Max. : 1645.00

m4b32c9d	m4b32c9e	m4b32c9f	m4b32c9g	m4b32c9h
Min. : 0.0	Min. : 0.0	Min. : 0.0	Min. : 0	Min. : 0.00
1st Qu. : 0.0	1st Qu. : 0.0	1st Qu. : 0.0	1st Qu. : 0	1st Qu. : 0.00
Median : 0.0	Median : 0.0	Median : 0.0	Median : 1140	Median : 0.00
Mean : 341.5	Mean : 536.3	Mean : 146.4	Mean : 4368	Mean : 45.92
3rd Qu. : 0.0	3rd Qu. : 0.0	3rd Qu. : 0.0	3rd Qu. : 3766	3rd Qu. : 0.00
Max. : 39296.0	Max. : 90240.0	Max. : 7707.0	Max. : 83340	Max. : 8568.00

m4b32c9i	m4b32c9j	m4b32c9k	m4b32c10	m4b32c11
Min. : 0	Min. : 0.000	Min. : 0.0	Min. : 0.0	Min. : 0

1st Qu. : 0	1st Qu. : 0.000	1st Qu. : 0.0	1st Qu. : 97.5	1st Qu. : 300
Median : 0	Median : 0.000	Median : 0.0	Median : 269.0	Median : 800
Mean : 0	Mean : 9.045	Mean : 104.4	Mean : 1137.0	Mean : 1764
3rd Qu. : 0	3rd Qu. : 0.000	3rd Qu. : 0.0	3rd Qu. : 847.0	3rd Qu. : 1300
Max. : 0	Max. : 1800.000	Max. : 4320.0	Max. : 30529.0	Max. : 26250

m4b32c12	m4b32c13	m4b32c14	m4b32c15	m4b32c16
Min. : 0.00	Min. : 0	Min. : 0.0	Min. : 0.00	Min. : 0.0
1st Qu. : 0.00	1st Qu. : 0	1st Qu. : 0.0	1st Qu. : 0.00	1st Qu. : 0.0
Median : 0.00	Median : 0	Median : 0.0	Median : 0.00	Median : 0.0
Mean : 11.06	Mean : 2155	Mean : 172.7	Mean : 23.42	Mean : 392.2
3rd Qu. : 0.00	3rd Qu. : 0	3rd Qu. : 0.0	3rd Qu. : 0.00	3rd Qu. : 180.0
Max. : 1800.00	Max. : 105000	Max. : 9360.0	Max. : 1000.00	Max. : 18000.0

m4b32c17
Min. : 10
1st Qu. : 1604
Median : 3772
Mean : 13254
3rd Qu. : 10249
Max. : 322355

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#### 20 : muc4b41 #####
      tinh      huyen      xa      diaban      hoso      m4b41ma
Min.   : 1.00   Min.   : 26.0   Min.   : 703   Min.   : 1.00   Min.   :13.00   Min.   : 1.0
1st Qu.:11.00   1st Qu.:100.8   1st Qu.: 3301   1st Qu.: 3.00   1st Qu.:13.00   1st Qu.:11.0
Median :20.00   Median :183.0   Median : 6208   Median : 5.00   Median :14.00   Median :11.0
Mean   :31.44   Mean   :313.3   Mean   :11645   Mean   : 6.64   Mean   :14.33   Mean   :10.4
3rd Qu.:49.00   3rd Qu.:511.0   3rd Qu.:20701   3rd Qu.: 9.00   3rd Qu.:15.00   3rd Qu.:11.0
Max.   :96.00   Max.   :969.0   Max.   :32149   Max.   :61.00   Max.   :24.00   Max.   :14.0

      m4b41c3a      m4b41c3b      m4b41c3c      m4b41c3d      m4b41c3e
Min.   : 0.0   Min.   : 0.0   Min.   : 0.0   Min.   : 0.0   Min.   : 0.0
1st Qu.: 0.0   1st Qu.: 0.0   1st Qu.: 0.0   1st Qu.: 0.0   1st Qu.: 0.0
Median : 0.0   Median : 0.0   Median : 0.0   Median : 0.0   Median : 53.5
Mean   : 641.8   Mean   : 165.1   Mean   : 110.4   Mean   : 302.4   Mean   : 723.8
3rd Qu.: 93.0   3rd Qu.: 0.0   3rd Qu.: 0.0   3rd Qu.: 0.0   3rd Qu.: 700.0
Max.   :60604.0   Max.   :26664.0   Max.   :16497.0   Max.   :62088.0   Max.   :67000.0

      m4b41c3f      m4b41c4
Min.   : 19   Min.   : 0.0
1st Qu.: 400   1st Qu.: 0.0
Median : 917   Median : 0.0
Mean   :1943   Mean   : 812.5
3rd Qu.:2034   3rd Qu.: 0.0
Max.   :67000   Max.   :67000.0
```

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#### 21 : muc4b42 #####
      tinh      huyen      xa      diaban      hoso      m4b42ma
Min.   : 1.0   Min.   : 26   Min.   : 703   Min.   : 1.000   Min.   :13.00   Min.   :1.000
1st Qu.:12.0   1st Qu.:107   1st Qu.: 3439   1st Qu.: 3.000   1st Qu.:13.00   1st Qu.:1.000
Median :25.0   Median :231   Median : 8026   Median : 6.000   Median :14.00   Median :1.000
Mean   :34.1   Mean   :341   Mean   :12696   Mean   : 6.907   Mean   :14.31   Mean   :1.026
3rd Qu.:51.0   3rd Qu.:532   3rd Qu.:21378   3rd Qu.: 9.000   3rd Qu.:15.00   3rd Qu.:1.000
Max.   :96.0   Max.   :969   Max.   :32143   Max.   :40.000   Max.   :24.00   Max.   :2.000

      m4b42c1      m4b42c2      m4b42c3      m4b42c4a      m4b42c4b
Min.   : 0.00   Min.   : 0   Min.   : 0.0   Min.   : 0.0000   Min.   : 0.0000
```

1st Qu. : 0.00	1st Qu. : 0	1st Qu. : 36.0	1st Qu. : 0.0000	1st Qu. : 0.0000
Median : 0.00	Median : 0	Median : 65.0	Median : 0.0000	Median : 0.0000
Mean : 30.13	Mean : 23	Mean : 109.9	Mean : 0.4011	Mean : 0.1057
3rd Qu. : 0.00	3rd Qu. : 0	3rd Qu. : 134.0	3rd Qu. : 0.0000	3rd Qu. : 0.0000
Max. : 6631.00	Max. : 8673	Max. : 2133.0	Max. : 683.0000	Max. : 120.0000
NA's : 55	NA's : 55			

m4b42c4c	m4b42c4d	m4b42c4e	m4b42c4f	m4b42c4g
Min. : 0.000	Min. : 0.00	Min. : 0.00000	Min. : 0.0000	Min. : 0.0000
1st Qu. : 0.000	1st Qu. : 0.00	1st Qu. : 0.00000	1st Qu. : 0.0000	1st Qu. : 0.0000
Median : 0.000	Median : 0.00	Median : 0.00000	Median : 0.0000	Median : 0.0000
Mean : 3.081	Mean : 33.78	Mean : 0.03209	Mean : 0.3256	Mean : 0.8008
3rd Qu. : 0.000	3rd Qu. : 0.00	3rd Qu. : 0.00000	3rd Qu. : 0.0000	3rd Qu. : 0.0000
Max. : 3200.000	Max. : 12500.00	Max. : 68.00000	Max. : 332.0000	Max. : 265.0000

m4b42c4h	m4b42c4i	m4b42c4j	m4b42c4k	m4b42c5
Min. : 0.0000	Min. : 0	Min. : 0.000	Min. : 0.000	Min. : 0
1st Qu. : 0.0000	1st Qu. : 0	1st Qu. : 0.000	1st Qu. : 0.000	1st Qu. : 0
Median : 0.0000	Median : 0	Median : 0.000	Median : 0.000	Median : 0
Mean : 0.5168	Mean : 0	Mean : 3.205	Mean : 3.359	Mean : 11
3rd Qu. : 0.0000	3rd Qu. : 0	3rd Qu. : 0.000	3rd Qu. : 0.000	3rd Qu. : 0
Max. : 1006.0000	Max. : 0	Max. : 1466.000	Max. : 1184.000	Max. : 2000

m4b42c6	m4b42c7	m4b42c8	m4b42c9	m4b42c10
Min. : 0.00	Min. : 0.000	Min. : 0.00	Min. : 0.00	Min. : 0.00
1st Qu. : 0.00	1st Qu. : 0.000	1st Qu. : 0.00	1st Qu. : 0.00	1st Qu. : 0.00
Median : 0.00	Median : 0.000	Median : 0.00	Median : 0.00	Median : 0.00
Mean : 34.13	Mean : 9.112	Mean : 32.47	Mean : 12.16	Mean : 76.36
3rd Qu. : 0.00	3rd Qu. : 0.000	3rd Qu. : 0.00	3rd Qu. : 0.00	3rd Qu. : 0.00
Max. : 3001.00	Max. : 10000.000	Max. : 8891.00	Max. : 3879.00	Max. : 13798.00

m4b42c11	m4b42c12	m4b42c13	m4b42c14
Min. : 0.000	Min. : 0.00	Min. : 0.0	Min. : 0.0
1st Qu. : 0.000	1st Qu. : 0.00	1st Qu. : 0.0	1st Qu. : 48.5
Median : 0.000	Median : 0.00	Median : 0.0	Median : 106.0
Mean : 4.592	Mean : 3.26	Mean : 48.6	Mean : 438.9
3rd Qu. : 0.000	3rd Qu. : 0.00	3rd Qu. : 0.0	3rd Qu. : 255.0
Max. : 4642.000	Max. : 2809.00	Max. : 20373.0	Max. : 31768.0

```
#### 22 : muc4b51 #####
      tinh      huyen      xa      diaban      hoso      m4b51ma
Min. : 1.00    Min. : 16.0    Min. : 397    Min. : 1.000    Min. : 13.00    Min. : 3.00
1st Qu.: 30.00  1st Qu.: 296.0    1st Qu.: 10954  1st Qu.: 4.000    1st Qu.: 13.00    1st Qu.: 11.00
Median : 62.00  Median : 610.0    Median : 23371  Median : 7.000    Median : 14.00    Median : 14.00
Mean : 57.59    Mean : 578.4      Mean : 20414    Mean : 9.176     Mean : 14.46
Mean : 16.03
3rd Qu.: 87.00  3rd Qu.: 877.0    3rd Qu.: 30261  3rd Qu.: 13.000  3rd Qu.: 15.00    3rd Qu.: 21.00
Max. : 96.00    Max. : 973.0      Max. : 32248    Max. : 69.000    Max. : 24.00
Max. : 23.00
```

m4b51c3	m4b51c4a	m4b51c4b	m4b51c5
Min. : 1	Min. : 0.0	Min. : 0	Min. : 13
1st Qu. : 20	1st Qu. : 0.0	1st Qu. : 285	1st Qu. : 394
Median : 60	Median : 0.0	Median : 2041	Median : 1285
Mean : 1010	Mean : 954.3	Mean : 27700	Mean : 17528

3rd Qu. : 200	3rd Qu. : 120.0	3rd Qu. : 10259	3rd Qu. : 5046
Max. : 357000	Max. : 357000.0	Max. : 3328000	Max. : 3328000
NA's : 566	NA's : 566	NA's : 1078	

23 : muc4b52

tin	huyen	xa	diaban	hoso	m4b52ma
Min. : 1.00	Min. : 16.0	Min. : 397	Min. : 1.000	Min. : 13.00	Min. : 1.000
1st Qu. : 27.00	1st Qu. : 262.0	1st Qu. : 9439	1st Qu. : 4.000	1st Qu. : 13.00	1st Qu. : 1.000
Median : 54.00	Median : 557.0	Median : 22066	Median : 7.000	Median : 14.00	Median : 1.000
Mean : 55.57	Mean : 557.6	Mean : 19734	Mean : 9.218	Mean : 14.46	
Mean : 1.427					
3rd Qu. : 86.00	3rd Qu. : 863.0	3rd Qu. : 29839	3rd Qu. : 13.000	3rd Qu. : 15.00	3rd Qu. : 2.000
Max. : 96.00	Max. : 973.0	Max. : 32248	Max. : 69.000	Max. : 24.00	
Max. : 3.000					

m4b52c6	m4b52c7	m4b52c8	m4b52c9a	m4b52c9b
Min. : 0	Min. : 0	Min. : 0.0	Min. : 0.0	Min. : 0
1st Qu. : 0	1st Qu. : 0	1st Qu. : 21.0	1st Qu. : 0.0	1st Qu. : 0
Median : 50	Median : 0	Median : 61.0	Median : 0.0	Median : 0
Mean : 1259	Mean : 4664	Mean : 332.2	Mean : 53.1	Mean : 0
3rd Qu. : 342	3rd Qu. : 190	3rd Qu. : 190.0	3rd Qu. : 0.0	3rd Qu. : 0
Max. : 150000	Max. : 2771000	Max. : 46636.0	Max. : 18000.0	Max. : 0
m4b52c9c	m4b52c9d	m4b52c9e	m4b52c9f	m4b52c9g
Min. : 0.0000	Min. : 0.00	Min. : 0.0	Min. : 0.00	Min. : 0
1st Qu. : 0.0000	1st Qu. : 0.00	1st Qu. : 0.0	1st Qu. : 0.00	1st Qu. : 0
Median : 0.0000	Median : 0.00	Median : 0.0	Median : 0.00	Median : 0
Mean : 0.3477	Mean : 38.34	Mean : 130.8	Mean : 25.15	Mean : 3383
3rd Qu. : 0.0000	3rd Qu. : 0.00	3rd Qu. : 0.0	3rd Qu. : 0.00	3rd Qu. : 0
Max. : 700.0000	Max. : 9000.00	Max. : 106710.0	Max. : 20969.00	Max. : 1492682
m4b52c9h	m4b52c9i	m4b52c9j	m4b52c9k	m4b52c10
Min. : 0.0	Min. : 0	Min. : 0.0000	Min. : 0.0	Min. : 0.0
1st Qu. : 0.0	1st Qu. : 0	1st Qu. : 0.0000	1st Qu. : 0.0	1st Qu. : 0.0
Median : 0.0	Median : 0	Median : 0.0000	Median : 0.0	Median : 0.0
Mean : 34.3	Mean : 0	Mean : 0.9384	Mean : 402.1	Mean : 313.7
3rd Qu. : 0.0	3rd Qu. : 0	3rd Qu. : 0.0000	3rd Qu. : 0.0	3rd Qu. : 0.0
Max. : 41567.0	Max. : 0	Max. : 360.0000	Max. : 684532.0	Max. : 92606.0
m4b52c11	m4b52c12	m4b52c13	m4b52c14	m4b52c15
Min. : 0.0	Min. : 0.0	Min. : 0.0	Min. : 0.0	Min. : 0
1st Qu. : 0.0	1st Qu. : 0.0	1st Qu. : 0.0	1st Qu. : 0.0	1st Qu. : 0
Median : 0.0	Median : 0.0	Median : 0.0	Median : 0.0	Median : 0
Mean : 335.3	Mean : 517.4	Mean : 164.3	Mean : 193.6	Mean : 2184
3rd Qu. : 0.0	3rd Qu. : 62.0	3rd Qu. : 0.0	3rd Qu. : 0.0	3rd Qu. : 0
Max. : 147198.0	Max. : 176730.0	Max. : 40000.0	Max. : 179449.0	Max. : 636226
m4b52c16	m4b52c17	m4b52c18	m4b52c19	
Min. : 0.0	Min. : 0.00	Min. : 0.0	Min. : 2	
1st Qu. : 0.0	1st Qu. : 0.00	1st Qu. : 0.0	1st Qu. : 113	
Median : 0.0	Median : 0.00	Median : 0.0	Median : 374	
Mean : 148.3	Mean : 5.68	Mean : 747.4	Mean : 14934	
3rd Qu. : 0.0	3rd Qu. : 0.00	3rd Qu. : 10.0	3rd Qu. : 1425	
Max. : 144000.0	Max. : 5438.00	Max. : 189518.0	Max. : 3200100	

24 : muc4c1

tin	huyen	xa	diaban	hoso	m4c1ma
Min. : 1.00	Min. : 1.0	Min. : 4	Min. : 1.00	Min. : 13.00	Min. : 1.000
1st Qu. : 27.00	1st Qu. : 281.0	1st Qu. : 10417	1st Qu. : 5.00	1st Qu. : 13.00	1st Qu. : 1.000

Median :51.00	Median :527.0	Median :21208	Median : 9.00	Median :14.00	Median :1.000
Mean :51.67	Mean :521.5	Mean :18953	Mean :11.51	Mean :14.49	Mean :1.207
3rd Qu.:79.00	3rd Qu.:769.0	3rd Qu.:27097	3rd Qu.:15.00	3rd Qu.:15.00	3rd Qu.:1.000
Max. :96.00	Max. :973.0	Max. :32248	Max. :91.00	Max. :21.00	Max. :4.000

m4c1c2	m4c1c3	m4c1c4	m4c1c5	m4c1c6	m4c1c7
Min. : 6.00	Min. : 0.30	Min. :1.000	Min. :2.000	Min. : 14.0	Min. :1.000
1st Qu.:32.00	1st Qu.:10.00	1st Qu.:1.000	1st Qu.:2.000	1st Qu.:100.0	1st Qu.:2.000
Median :47.00	Median :12.00	Median :1.000	Median :2.000	Median :100.0	Median :3.000
Mean :44.14	Mean :10.44	Mean :1.011	Mean :2.326	Mean : 99.4	Mean :2.675
3rd Qu.:49.00	3rd Qu.:12.00	3rd Qu.:1.000	3rd Qu.:2.000	3rd Qu.:100.0	3rd Qu.:3.000
Max. :98.00	Max. :12.00	Max. :2.000	Max. :7.000	Max. :100.0	Max. :3.000

NA's :3961

m4c1c8	m4c1c9	m4c1c10	m4c1c11	m4c1c12
Min. :1.000	Min. : 40	Min. : 40	Min. :1.000	Min. : 24
1st Qu.:1.000	1st Qu.: 1500	1st Qu.: 14189	1st Qu.:2.000	1st Qu.: 419
Median :1.000	Median : 2900	Median : 31000	Median :2.000	Median : 808
Mean :1.047	Mean : 7884	Mean : 84750	Mean :1.992	Mean :1836
3rd Qu.:1.000	3rd Qu.: 6327	3rd Qu.: 70057	3rd Qu.:2.000	3rd Qu.:1437
Max. :2.000	Max. :576737	Max. :6920845	Max. :2.000	Max. :9363
NA's :1646	NA's :110	NA's :110	NA's :1756	NA's :3990

m4c1c13	m4c1c14	m4c1c15	m4c1c16	m4c1c17
Min. :1.000	Min. : 10.0	Min. :1.000	Min. : 4.0	Min. : 0
1st Qu.:1.000	1st Qu.: 212.5	1st Qu.:2.000	1st Qu.: 201.8	1st Qu.: 13100
Median :2.000	Median : 534.5	Median :2.000	Median : 558.0	Median : 30000
Mean :1.683	Mean : 1509.5	Mean :1.825	Mean : 1621.3	Mean : 82996
3rd Qu.:2.000	3rd Qu.: 1377.8	3rd Qu.:2.000	3rd Qu.: 1607.0	3rd Qu.: 68408
Max. :2.000	Max. :72323.0	Max. :2.000	Max. :63182.0	Max. :6920845
NA's :1646	NA's :3259		NA's :3307	

m4c1c18
Min. : 0
1st Qu.: 12992
Median : 29892
Mean : 81168
3rd Qu.: 68350
Max. :6920845

```
#### 25 : muc4c2 #####
      tinh      huyen      xa      diaban      hoso      m4c2ma
Min. : 1.00    Min. : 1.0    Min. : 4    Min. : 1.00    Min. :13.00    Min. :1.000
1st Qu.:27.00  1st Qu.:281.0    1st Qu.:10417  1st Qu.: 5.00  1st Qu.:13.00  1st Qu.:1.000
Median :51.00  Median :527.0    Median :21208  Median : 9.00  Median :14.00  Median :1.000
Mean :51.67   Mean :521.5    Mean :18953   Mean :11.51   Mean :14.49   Mean :1.207
3rd Qu.:79.00  3rd Qu.:769.0    3rd Qu.:27097  3rd Qu.:15.00  3rd Qu.:15.00  3rd Qu.:1.000
Max. :96.00   Max. :973.0    Max. :32248   Max. :91.00   Max. :21.00   Max. :4.000

      m4c2c19      m4c2c20      m4c2c21a      m4c2c21b      m4c2c21c
Min. : 0    Min. : 0.0    Min. : 0.0    Min. : 0.0    Min. : 0.0
1st Qu.: 0    1st Qu.: 52.0    1st Qu.: 0.0    1st Qu.: 0.0    1st Qu.: 0.0
Median : 0    Median : 186.0    Median : 67.0    Median : 0.0    Median : 0.0
Mean : 26782  Mean : 641.8    Mean : 912.5    Mean : 568.3    Mean : 152.6
3rd Qu.: 5030  3rd Qu.: 479.0    3rd Qu.: 500.0    3rd Qu.: 0.0    3rd Qu.: 0.0
Max. :4151528  Max. :68530.0    Max. :161688.0    Max. :1565437.0    Max. :21873.0

      m4c2c21d      m4c2c21e      m4c2c21f      m4c2c21g      m4c2c21h
Min. : 0.0    Min. : 0.00    Min. : 0.0    Min. : 0    Min. : 0.00
```

1st Qu. : 0.0	1st Qu. : 0.00	1st Qu. : 0.0	1st Qu. : 0	1st Qu. : 0.00
Median : 0.0	Median : 0.00	Median : 0.0	Median : 0	Median : 0.00
Mean : 1414.4	Mean : 43.62	Mean : 166.2	Mean : 1898	Mean : 94.57
3rd Qu. : 756.5	3rd Qu. : 0.00	3rd Qu. : 0.0	3rd Qu. : 0	3rd Qu. : 0.00
Max. : 135668.0	Max. : 71280.00	Max. : 209140.0	Max. : 762330	Max. : 53732.00
m4c2c21i	m4c2c21j	m4c2c21k	m4c2c22	m4c2stt
Min. : 0.000	Min. : 0.0	Min. : 0.0	Min. : 0.0	Min. : 1.000
1st Qu. : 0.000	1st Qu. : 0.0	1st Qu. : 0.0	1st Qu. : 0.0	1st Qu. : 1.000
Median : 0.000	Median : 0.0	Median : 0.0	Median : 0.0	Median : 1.000
Mean : 3.226	Mean : 215.2	Mean : 120.5	Mean : 121.8	Mean : 1.207
3rd Qu. : 0.000	3rd Qu. : 0.0	3rd Qu. : 0.0	3rd Qu. : 0.0	3rd Qu. : 1.000
Max. : 8641.000	Max. : 59201.0	Max. : 27336.0	Max. : 24168.0	Max. : 4.000
m4c2c23	m4c2c24	m4c2c25	m4c2c26	m4c2c27
Min. : 0.0	Min. : 0	Min. : 0.0	Min. : 0.0	Min. : 0
1st Qu. : 0.0	1st Qu. : 0	1st Qu. : 0.0	1st Qu. : 0.0	1st Qu. : 0
Median : 0.0	Median : 245	Median : 0.0	Median : 0.0	Median : 0
Mean : 668.8	Mean : 1816	Mean : 835.3	Mean : 805.6	Mean : 7771
3rd Qu. : 287.0	3rd Qu. : 1010	3rd Qu. : 0.0	3rd Qu. : 0.0	3rd Qu. : 0
Max. : 113981.0	Max. : 237502	Max. : 226075.0	Max. : 133216.0	Max. : 2037011
m4c2c28	m4c2c29	m4c2c30	m4c2c31	m4c2c32
Min. : 0.0	Min. : 0.0	Min. : 0.00	Min. : 0	Min. : 0
1st Qu. : 0.0	1st Qu. : 0.0	1st Qu. : 0.00	1st Qu. : 0	1st Qu. : 1871
Median : 0.0	Median : 0.0	Median : 0.00	Median : 87	Median : 6564
Mean : 615.9	Mean : 1271.2	Mean : 13.91	Mean : 1043	Mean : 47977
3rd Qu. : 0.0	3rd Qu. : 388.5	3rd Qu. : 0.00	3rd Qu. : 524	3rd Qu. : 24744
Max. : 261152.0	Max. : 582149.0	Max. : 5000.00	Max. : 880765	Max. : 5830543
m4c2c33				
Min. : 0				
1st Qu. : 1838				
Median : 6500				
Mean : 46915				
3rd Qu. : 24608				
Max. : 5830543				

```
#### 26 : muc4d #####
      tinh          huyen          xa          diaban          hoso          m4dc2_01
Min.   : 1.00   Min.   : 1.0   Min.   : 4   Min.   : 1.00   Min.   : 13.00   Min.   : 0
1st Qu.: 26.00   1st Qu.: 271.0   1st Qu.: 9646   1st Qu.: 4.00   1st Qu.: 13.00   1st Qu.: 0
Median : 48.00   Median : 493.0   Median : 20260   Median : 8.00   Median : 14.00   Median : 0
Mean   : 49.74   Mean   : 501.7   Mean   : 18258   Mean   : 10.68   Mean   : 14.51   Mean   :
1421
3rd Qu.: 77.00   3rd Qu.: 747.0   3rd Qu.: 26545   3rd Qu.: 14.00   3rd Qu.: 15.00   3rd Qu.: 0
Max.   : 96.00   Max.   : 973.0   Max.   : 32248   Max.   : 91.00   Max.   : 24.00
Max.   : 661227
```

m4dc2_02	m4dc2_03	m4dc2_04	m4dc2_05	m4dc2_06
Min. : 0.0	Min. : 0.00	Min. : 0	Min. : 0.00	Min. : 0
1st Qu. : 0.0	1st Qu. : 0.00	1st Qu. : 0	1st Qu. : 0.00	1st Qu. : 95
Median : 0.0	Median : 0.00	Median : 0	Median : 0.00	Median : 567
Mean : 977.9	Mean : 16.66	Mean : 0	Mean : 39.59	Mean : 3306
3rd Qu. : 0.0	3rd Qu. : 0.00	3rd Qu. : 0	3rd Qu. : 0.00	3rd Qu. : 2550
Max. : 661227.0	Max. : 66509.00	Max. : 0	Max. : 91240.00	Max. : 1112385
m4dc2_07	m4dc2_08	m4dc2_09	m4dc2_10	m4dc2_11
Min. : 0.0	Min. : 0.0	Min. : 0.0	Min. : 0.0	Min. : -20199.0

1st Qu. :	0.0	1st Qu. :	0.0	1st Qu. :	0.0	1st Qu. :	0.0	1st Qu. :	0.0
Median :	0.0	Median :	0.0	Median :	0.0	Median :	0.0	Median :	0.0
Mean :	1424.4	Mean :	245.1	Mean :	51.9	Mean :	116.3	Mean :	193.5
3rd Qu. :	105.5	3rd Qu. :	0.0	3rd Qu. :	0.0	3rd Qu. :	0.0	3rd Qu. :	0.0
Max. :	193345.0	Max. :	889908.0	Max. :	472516.0	Max. :	207293.0	Max. :	54384.0

m4dc2_12		m4dc2_13		m4dc2_14		m4dc2_15		m4dc2_16	
Min. :	-12000.00	Min. :	0.0	Min. :	0.0	Min. :	0.00	Min. :	0.00
1st Qu. :	0.00	1st Qu. :	0.0	1st Qu. :	0.0	1st Qu. :	0.00	1st Qu. :	0.00
Median :	0.00	Median :	0.0	Median :	0.0	Median :	0.00	Median :	0.00
Mean :	96.62	Mean :	463.8	Mean :	153.3	Mean :	23.84	Mean :	12.49
3rd Qu. :	0.00	3rd Qu. :	0.0	3rd Qu. :	0.0	3rd Qu. :	0.00	3rd Qu. :	0.00
Max. :	136907.00	Max. :	79642.0	Max. :	37618.0	Max. :	16010.00	Max. :	37427.00

m4dc2_17		m4dc2_18		m4dc2_19		m4dc2_20		m4dc2_21	
Min. :	0	Min. :	0.0	Min. :	0.00	Min. :	0.0	Min. :	NA
1st Qu. :	0	1st Qu. :	0.0	1st Qu. :	0.00	1st Qu. :	0.0	1st Qu. :	NA
Median :	0	Median :	0.0	Median :	0.00	Median :	0.0	Median :	NA
Mean :	1426	Mean :	174.8	Mean :	55.29	Mean :	555.4	Mean :	NaN
3rd Qu. :	0	3rd Qu. :	0.0	3rd Qu. :	0.00	3rd Qu. :	0.0	3rd Qu. :	NA
Max. :	842162	Max. :	543781.0	Max. :	47455.00	Max. :	648921.0	Max. :	NA
								NA's :	9399

m4dc2_22		m4dc2_23		m4dc2_24	
Min. :	NA	Min. :	NA	Min. :	NA
1st Qu. :	NA	1st Qu. :	NA	1st Qu. :	NA
Median :	NA	Median :	NA	Median :	NA
Mean :	NaN	Mean :	NaN	Mean :	NaN
3rd Qu. :	NA	3rd Qu. :	NA	3rd Qu. :	NA
Max. :	NA	Max. :	NA	Max. :	NA
NA's :	9399	NA's :	9399	NA's :	9399

```
#### 27 : muc5a1 #####
      tinh      huyen      xa      diaban      hoso      m5a1ma
Min.   : 1.00   Min.   : 1.0   Min.   : 4     Min.   : 1.00   Min.   :13.00   Min.   :101.0
1st Qu.:26.00   1st Qu.:268.0   1st Qu.: 9538   1st Qu.: 4.00   1st Qu.:13.00   1st Qu.:114.0
Median :46.00   Median :474.0   Median :19756   Median : 8.00   Median :14.00   Median :134.0
Mean   :48.48   Mean   :489.8   Mean   :17885   Mean   :10.75   Mean   :14.52   Mean   :130.1
3rd Qu.:75.00   3rd Qu.:732.0   3rd Qu.:26119   3rd Qu.:15.00   3rd Qu.:15.00   3rd Qu.:145.0
Max.   :96.00   Max.   :973.0   Max.   :32248   Max.   :91.00   Max.   :24.00   Max.   :154.0
```

m5a1c2a		m5a1c2b		m5a1c3a		m5a1c3b	
Min. :	-1.00	Min. :	0.0	Min. :	-1.00	Min. :	0.00
1st Qu. :	1.00	1st Qu. :	35.0	1st Qu. :	0.00	1st Qu. :	0.00
Median :	2.00	Median :	70.0	Median :	0.00	Median :	0.00
Mean :	4.26	Mean :	121.5	Mean :	1.24	Mean :	66.32
3rd Qu. :	5.00	3rd Qu. :	150.0	3rd Qu. :	0.00	3rd Qu. :	54.00
Max. :	535.00	Max. :	8000.0	Max. :	425.00	Max. :	8000.00
NA's :	35609	NA's :	12554	NA's :	35609	NA's :	85383

```
#### 28 : muc5a2 #####
      tinh      huyen      xa      diaban      hoso      m5a2ma
Min.   : 1.00   Min.   : 1.0   Min.   : 4     Min.   : 1.00   Min.   :13.00   Min.   :101.0
1st Qu.:27.00   1st Qu.:278.0   1st Qu.:10126   1st Qu.: 4.00   1st Qu.:13.00   1st Qu.:117.0
Median :48.00   Median :495.0   Median :20302   Median : 9.00   Median :14.00   Median :128.0
```

Mean :49.81	Mean :502.6	Mean :18313	Mean :11.13	Mean :14.53	Mean :127.4
3rd Qu.:77.00	3rd Qu.:747.0	3rd Qu.:26533	3rd Qu.:15.00	3rd Qu.:15.00	3rd Qu.:138.0
Max. :96.00	Max. :973.0	Max. :32248	Max. :91.00	Max. :24.00	Max. :154.0

m5a2c2a		m5a2c2b		m5a2c3a		m5a2c3b		m5a2c4a	
Min. : 0.10	Min. : 0.00	Min. : 0.00	Min. : 0.00	Min. : 0.00	Min. : 0.00	Min. : 0.00	Min. : 0.00	Min. : 0.00	Min. : 0.00
1st Qu.: 1.00	1st Qu.: 15.00	1st Qu.: 0.50	1st Qu.: 14.00	1st Qu.: 0.00	1st Qu.: 14.00	1st Qu.: 0.00	1st Qu.: 0.00	1st Qu.: 0.00	1st Qu.: 0.00
Median : 2.00	Median : 30.00	Median : 1.20	Median : 28.00	Median : 0.00	Median : 28.00	Median : 0.00	Median : 0.00	Median : 0.00	Median : 0.00
Mean : 5.18	Mean : 83.08	Mean : 3.55	Mean : 76.52	Mean : 1.56	Mean : 76.52	Mean : 1.56	Mean : 1.56	Mean : 1.56	Mean : 1.56
3rd Qu.: 4.00	3rd Qu.: 70.00	3rd Qu.: 3.00	3rd Qu.: 60.00	3rd Qu.: 0.00	3rd Qu.: 60.00	3rd Qu.: 0.00	3rd Qu.: 0.00	3rd Qu.: 0.00	3rd Qu.: 0.00
Max. :1000.00	Max. :22800.00	Max. :1000.00	Max. :22800.00	Max. :220.00	Max. :22800.00	Max. :220.00	Max. :220.00	Max. :220.00	Max. :220.00
NA's :60124		NA's :60124	NA's :18518	NA's :60124					
m5a2c4b		m5a2c5a		m5a2c5b					
Min. : 0.0	Min. : 0.00	Min. : 0.00	Min. : 0.00	Min. : 0.00					
1st Qu.: 0.0	1st Qu.: 0.00	1st Qu.: 0.00	1st Qu.: 0.00	1st Qu.: 0.00					
Median : 0.0	Median : 0.00	Median : 0.00	Median : 0.00	Median : 0.00					
Mean : 34.8	Mean : 0.07	Mean : 4.62							
3rd Qu.: 10.0	3rd Qu.: 0.00	3rd Qu.: 0.00							
Max. :6800.0	Max. :150.00	Max. :4000.00							
NA's :159740	NA's :60124	NA's :173244							

```
#### 29 : muc5b1 #####
      tinh      huyen      xa      diaban      hoso      m5b1ma
Min. : 1.00 Min. : 1.0 Min. : 4 Min. : 1.00 Min. :13.00 Min. :201.0
1st Qu.:30.00 1st Qu.:290.0 1st Qu.:10552 1st Qu.: 4.00 1st Qu.:13.00 1st Qu.:213.0
Median :49.00 Median :512.0 Median :20680 Median : 8.50 Median :14.00 Median :217.0
Mean :50.81 Mean :512.2 Mean :18643 Mean :11.01 Mean :14.52 Mean :216.6
3rd Qu.:79.00 3rd Qu.:760.0 3rd Qu.:26743 3rd Qu.:15.00 3rd Qu.:15.00 3rd Qu.:221.0
Max. :96.00 Max. :973.0 Max. :32248 Max. :91.00 Max. :24.00 Max. :228.0

      m5b1c2      m5b1c3      m5b1c4      m5b1c5
Min. : 1.0 Min. : 0.00 Min. : 0.000 Min. : 0.0000
1st Qu.: 10.0 1st Qu.: 10.00 1st Qu.: 0.000 1st Qu.: 0.0000
Median : 20.0 Median : 20.00 Median : 0.000 Median : 0.0000
Mean : 53.4 Mean : 48.62 Mean : 4.386 Mean : 0.3914
3rd Qu.: 50.0 3rd Qu.: 42.00 3rd Qu.: 0.000 3rd Qu.: 0.0000
Max. :11500.0 Max. :11500.00 Max. :2500.000 Max. :1170.0000
```

```
#### 30 : muc5b2 #####
      tinh      huyen      xa      diaban      hoso      m5b2ma
Min. : 1.00 Min. : 1.0 Min. : 4 Min. : 1.00 Min. :13.00 Min. :301.0
1st Qu.:27.00 1st Qu.:277.0 1st Qu.:10018 1st Qu.: 4.00 1st Qu.:13.00 1st Qu.:306.0
Median :48.00 Median :492.0 Median :20245 Median : 8.00 Median :14.00 Median :310.0
Mean :49.67 Mean :501.2 Mean :18282 Mean :10.85 Mean :14.51 Mean :312.6
3rd Qu.:77.00 3rd Qu.:747.0 3rd Qu.:26509 3rd Qu.:15.00 3rd Qu.:15.00 3rd Qu.:319.0
Max. :96.00 Max. :973.0 Max. :32248 Max. :91.00 Max. :24.00 Max. :336.0

      m5b2c2      m5b2c3
Min. : 0.0 Min. : 0.00
1st Qu.: 47.0 1st Qu.: 0.00
Median : 100.0 Median : 0.00
Mean : 352.7 Mean : 12.22
3rd Qu.: 300.0 3rd Qu.: 0.00
Max. :150000.0 Max. :50000.00
```

```

#### 31 : muc5b3 #####
      tinh          huyen          xa          diaban          hoso
Min.   : 1.00   Min.   : 1.0   Min.   : 4   Min.   : 1.00   Min.   :13.00
1st Qu.:26.00   1st Qu.:271.0   1st Qu.: 9646   1st Qu.: 4.00   1st Qu.:13.00
Median :48.00   Median :493.0   Median :20260   Median : 8.00   Median :14.00
Mean   :49.74   Mean   :501.7   Mean   :18258   Mean   :10.68   Mean   :14.51
3rd Qu.:77.00   3rd Qu.:747.0   3rd Qu.:26545   3rd Qu.:14.00   3rd Qu.:15.00
Max.   :96.00   Max.   :973.0   Max.   :32248   Max.   :91.00   Max.   :24.00

      m5b3c2_1      m5b3c2_2      m5b3c2_3      m5b3c2_4      m5b3c2_5
Min.   : 0.00   Min.   : 0.00   Min.   : 0.00   Min.   : 0.00   Min.   : 0.0
1st Qu.: 0.00   1st Qu.: 0.00   1st Qu.: 0.00   1st Qu.: 0.00   1st Qu.: 0.0
Median : 0.00   Median : 50.00   Median : 0.00   Median : 0.00   Median : 0.0
Mean   : 37.36   Mean   : 89.06   Mean   : 16.14   Mean   : 82.63   Mean   : 285.3
3rd Qu.: 15.00   3rd Qu.:100.00   3rd Qu.: 0.00   3rd Qu.: 42.50   3rd Qu.: 0.0
Max.   :120000.00   Max.   :7000.00   Max.   :4000.00   Max.   :38500.00   Max.   :60000.0

      m5b3c2_6      m5b3c2_7      m5b3c2_8      m5b3c2_9
Min.   : 0.0   Min.   : 0.0   Min.   : 0   Min.   : 0.0
1st Qu.: 0.0   1st Qu.: 0.0   1st Qu.: 500   1st Qu.: 0.0
Median : 0.0   Median : 0.0   Median : 1300   Median : 0.0
Mean   : 457.4   Mean   : 238.8   Mean   : 1995   Mean   : 114.1
3rd Qu.: 300.0   3rd Qu.: 0.0   3rd Qu.: 2500   3rd Qu.: 0.0
Max.   :80000.0   Max.   :30000.0   Max.   :153150   Max.   :74000.0

#### 32 : muc6 #####
      tinh          huyen          xa          diaban          hoso          m6ma_01
Min.   : 1.00   Min.   : 1.0   Min.   : 4   Min.   : 1.00   Min.   :13.00   Min.   : 0.000
1st Qu.:26.00   1st Qu.:271.0   1st Qu.: 9646   1st Qu.: 4.00   1st Qu.:13.00   1st Qu.: 2.000
Median :48.00   Median :493.0   Median :20260   Median : 8.00   Median :14.00   Median : 2.000
Mean   :49.74   Mean   :501.7   Mean   :18258   Mean   :10.68   Mean   :14.51   Mean   :
3.536
3rd Qu.:77.00   3rd Qu.:747.0   3rd Qu.:26545   3rd Qu.:14.00   3rd Qu.:15.00   3rd Qu.: 2.000
Max.   :96.00   Max.   :973.0   Max.   :32248   Max.   :91.00   Max.   :24.00
Max.   :37.000

      m6ma_02      m6ma_03      m6ma_04      m6ma_05      m6ma_06      m6ma_07
Min.   : 0.000   Min.   : 0.00   Min.   : 0.00   Min.   : 0.00   Min.   : 0.0   Min.   : 0.0
1st Qu.: 3.000   1st Qu.: 7.00   1st Qu.:12.00   1st Qu.:14.00   1st Qu.:15.0   1st Qu.:20.0
Median : 7.000   Median :12.00   Median :14.00   Median :15.00   Median :22.0   Median :25.0
Mean   : 8.084   Mean   :12.44   Mean   :15.51   Mean   :17.94   Mean   :20.4   Mean   :22.7
3rd Qu.:12.000   3rd Qu.:14.00   3rd Qu.:15.00   3rd Qu.:25.00   3rd Qu.:27.0   3rd Qu.:28.0
Max.   :37.000   Max.   :37.00   Max.   :37.00   Max.   :37.00   Max.   :37.0   Max.   :37.0
NA's   :95      NA's   :241     NA's   :477     NA's   :735     NA's   :1082    NA's   :1494

      m6ma_08      m6ma_09      m6ma_10      m6ma_11      m6ma_12      m6ma_13
Min.   : 0       Min.   : 0.00   Min.   : 0.00   Min.   : 0.00   Min.   : 0.00   Min.   : 0.00
1st Qu.:22      1st Qu.:24.00   1st Qu.:24.00   1st Qu.:25.00   1st Qu.:25.00   1st Qu.:24.00
Median :27      Median :27.00   Median :28.00   Median :28.00   Median :30.00   Median :30.00
Mean   :24      Mean   :24.63   Mean   :24.11   Mean   :24.51   Mean   :23.72   Mean   :23.07
3rd Qu.:30      3rd Qu.:30.00   3rd Qu.:30.00   3rd Qu.:31.00   3rd Qu.:31.00   3rd Qu.:31.00
Max.   :37      Max.   :37.00   Max.   :37.00   Max.   :37.00   Max.   :37.00   Max.   :37.00
NA's   :1960    NA's   :2550    NA's   :3227    NA's   :4117    NA's   :4928    NA's   :5807

      m6ma_14      m6ma_15      m6ma_16      m6ma_17      m6ma_18      m6ma_19
Min.   : 0.0     Min.   : 0.00   Min.   : 0.00   Min.   : 0.0   Min.   : 0.00   Min.   : 0.00
1st Qu.: 0.0     1st Qu.: 0.00   1st Qu.: 0.00   1st Qu.: 0.0   1st Qu.: 0.00   1st Qu.: 0.00
Median :30.0     Median :30.00   Median :31.00   Median :31.0   Median :31.00   Median :32.00
Mean   :22.6     Mean   :22.33   Mean   :22.54   Mean   :22.5   Mean   :21.72   Mean   :21.64

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3rd Qu. :32.0	3rd Qu. :32.00	3rd Qu. :32.00	3rd Qu. :32.0	3rd Qu. :34.00	3rd Qu. :34.00
Max. :37.0	Max. :37.00	Max. :37.00	Max. :37.0	Max. :37.00	Max. :37.00
NA's :6643	NA's :7361	NA's :7932	NA's :8354	NA's :8668	NA's :8912
m6ma_20	m6ma_21	m6ma_22	m6ma_23	m6ma_24	m6ma_25
Min. : 0.00	Min. : 0.00	Min. : 0.00	Min. : 0.0	Min. : 0.00	Min. : 0.00
1st Qu. : 0.00	1st Qu. : 0.00	1st Qu. : 0.00	1st Qu. : 0.0	1st Qu. : 0.00	1st Qu. : 0.00
Median :32.00	Median :33.00	Median :33.00	Median : 0.0	Median : 0.00	Median : 0.00
Mean :22.73	Mean :22.55	Mean :21.76	Mean :17.1	Mean :16.18	Mean :16.57
3rd Qu. :35.00	3rd Qu. :35.00	3rd Qu. :35.00	3rd Qu. :35.0	3rd Qu. :35.00	3rd Qu. :35.00
Max. :37.00	Max. :37.00	Max. :37.00	Max. :37.0	Max. :37.00	Max. :37.00
NA's :9079	NA's :9182	NA's :9255	NA's :9308	NA's :9354	NA's :9378
m6ma_26	m6ma_27	m6ma_28	m6ma_29	m6ma_30	m6ma_31
Min. : 0.00	Min. : 0.00	Min. :0	Min. : NA	Min. : NA	Min. : NA
1st Qu. : 0.00	1st Qu. : 0.00	1st Qu. :0	1st Qu. : NA	1st Qu. : NA	1st Qu. : NA
Median : 0.00	Median : 0.00	Median :0	Median : NA	Median : NA	Median : NA
Mean :14.00	Mean : 8.75	Mean :0	Mean :NaN	Mean :NaN	Mean :NaN
3rd Qu. :34.75	3rd Qu. : 8.75	3rd Qu. :0	3rd Qu. : NA	3rd Qu. : NA	3rd Qu. : NA
Max. :36.00	Max. :35.00	Max. :0	Max. : NA	Max. : NA	Max. : NA
NA's :9389	NA's :9395	NA's :9398	NA's :9399	NA's :9399	NA's :9399
m6ma_32	m6ma_33	m6ma_34	m6ma_35	m6ma_36	m6ma_37
Min. : NA	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	1st Qu. : NA
Median : NA	Median : NA	Median : NA	Median : NA	Median : NA	Median : NA
Mean :NaN	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	3rd Qu. : NA
Max. : NA	Max. : NA	Max. : NA	Max. : NA	Max. : NA	Max. : NA
NA's :9399	NA's :9399	NA's :9399	NA's :9399	NA's :9399	NA's :9399

33 : muc6b

tin	huyen	xa	diaban	hoso	m6c2
Min. : 1.00	Min. : 1.0	Min. : 4	Min. : 1.00	Min. :13.00	Min. : 1.00
1st Qu. :27.00	1st Qu. :275.0	1st Qu. : 9910	1st Qu. : 4.00	1st Qu. :13.00	1st Qu. :12.00
Median :48.00	Median :493.0	Median :20272	Median : 9.00	Median :14.00	Median :22.00
Mean :49.79	Mean :502.3	Mean :18275	Mean :11.32	Mean :14.54	Mean :18.96
3rd Qu. :77.00	3rd Qu. :747.0	3rd Qu. :26539	3rd Qu. :15.00	3rd Qu. :15.00	3rd Qu. :28.00
Max. :96.00	Max. :973.0	Max. :32248	Max. :91.00	Max. :24.00	Max. :37.00

m6c3	m6c4t	m6c4n	m6c5	m6c6
Min. : -1.000	Min. : -1.000	Min. : -1	Min. : 0	Min. : -1
1st Qu. : 1.000	1st Qu. : 0.000	1st Qu. :2004	1st Qu. : 100	1st Qu. : 250
Median : 1.000	Median : 0.000	Median :2007	Median : 670	Median : 600
Mean : 1.096	Mean : 1.081	Mean :2006	Mean : 3813	Mean : 2344
3rd Qu. : 1.000	3rd Qu. : 0.000	3rd Qu. :2008	3rd Qu. : 2500	3rd Qu. : 1750
Max. :15.000	Max. :12.000	Max. :2010	Max. :1080000	Max. :1200000
			NA's :78796	

34 : muc7

tin	huyen	xa	diaban	hoso	m7c1
Min. : 1.00	Min. : 1.0	Min. : 4	Min. : 1.00	Min. :13.00	Min. : 0.000
1st Qu. :26.00	1st Qu. :271.0	1st Qu. : 9646	1st Qu. : 4.00	1st Qu. :13.00	1st Qu. : 1.000
Median :48.00	Median :493.0	Median :20260	Median : 8.00	Median :14.00	Median : 1.000
Mean :49.74	Mean :501.7	Mean :18258	Mean :10.68	Mean :14.51	Mean :
1.021					
3rd Qu. :77.00	3rd Qu. :747.0	3rd Qu. :26545	3rd Qu. :14.00	3rd Qu. :15.00	3rd Qu. : 1.000

Max. :96.00 Max. :973.0 Max. :32248 Max. :91.00 Max. :24.00
 Max. :11.000

m7c2	m7c3	m7c4	m7c5	m7c6
Min. : -1.00	Min. : 1.000	Min. : 1.000	Min. : 1.000	Min. : 1.000
1st Qu. : 40.00	1st Qu. : 1.000	1st Qu. : 2.000	1st Qu. : 2.000	1st Qu. : 2.000
Median : 60.00	Median : 2.000	Median : 3.000	Median : 2.000	Median : 2.000
Mean : 69.91	Mean : 2.099	Mean : 2.381	Mean : 2.531	Mean : 1.974
3rd Qu. : 84.00	3rd Qu. : 3.000	3rd Qu. : 3.000	3rd Qu. : 3.000	3rd Qu. : 2.000
Max. : 660.00	Max. : 5.000	Max. : 5.000	Max. : 6.000	Max. : 2.000
NA's : 9	NA's : 9	NA's : 9	NA's : 9	NA's : 9

m7c7	m7c8	m7c9	m7c10	m7c11
Min. : 120	Min. : -1	Min. : -1	Min. : 1.000	Min. : 1.000
1st Qu. : 3000	1st Qu. : 12	1st Qu. : 60000	1st Qu. : 2.000	1st Qu. : 2.000
Median : 4500	Median : 12	Median : 150000	Median : 2.000	Median : 2.000
Mean : 7993	Mean : 118	Mean : 425340	Mean : 1.915	Mean : 1.828
3rd Qu. : 7200	3rd Qu. : 23	3rd Qu. : 400000	3rd Qu. : 2.000	3rd Qu. : 2.000
Max. : 180000	Max. : 24000	Max. : 30000000	Max. : 2.000	Max. : 2.000
NA's : 9156	NA's : 9156	NA's : 9	NA's : 9	NA's : 8603

m7c12	m7c13	m7c14	m7c15a	m7c15b
Min. : 0	Min. : 0.0	Min. : 1.000	Min. : 1.000	Min. : 1.000
1st Qu. : 5366	1st Qu. : 0.0	1st Qu. : 2.000	1st Qu. : 1.000	1st Qu. : 2.000
Median : 13806	Median : 0.0	Median : 4.000	Median : 1.000	Median : 2.000
Mean : 32526	Mean : 396.9	Mean : 4.191	Mean : 1.093	Mean : 1.854
3rd Qu. : 29375	3rd Qu. : 0.0	3rd Qu. : 6.000	3rd Qu. : 1.000	3rd Qu. : 2.000
Max. : 543781	Max. : 87977.0	Max. : 10.000	Max. : 2.000	Max. : 2.000
NA's : 9262	NA's : 9			

m7c16	m7c17	m7c18	m7c19	m7c19k
Min. : 0.0	Min. : 1.000	Min. : 1.000	Min. : -1.0	Min. : -1.0
1st Qu. : 0.0	1st Qu. : 1.000	1st Qu. : 1.000	1st Qu. : 30.0	1st Qu. : 42.0
Median : 0.0	Median : 2.000	Median : 1.000	Median : 60.0	Median : 73.0
Mean : 185.7	Mean : 2.708	Mean : 1.059	Mean : 107.3	Mean : 104.4
3rd Qu. : 240.0	3rd Qu. : 4.000	3rd Qu. : 1.000	3rd Qu. : 124.5	3rd Qu. : 130.0
Max. : 8400.0	Max. : 9.000	Max. : 4.000	Max. : 23000.0	Max. : 2538.0
			NA's : 324	NA's : 324

m7c20	m7c21	m7c22	m7c23
Min. : 0	Min. : 1.000	Min. : 0.00	Min. : 0
1st Qu. : 360	1st Qu. : 1.000	1st Qu. : 0.00	1st Qu. : 420
Median : 700	Median : 3.000	Median : 0.00	Median : 906
Mean : 1201	Mean : 3.232	Mean : 37.03	Mean : 2027
3rd Qu. : 1440	3rd Qu. : 5.000	3rd Qu. : 60.00	3rd Qu. : 2065
Max. : 280000	Max. : 6.000	Max. : 900.00	Max. : 280000

35 : muc8

tin	huyen	xa	diaban	hoso	m8c1a
Min. : 1.00	Min. : 1.0	Min. : 4	Min. : 1.00	Min. : 13.00	Min. : 1.000
1st Qu. : 26.00	1st Qu. : 271.0	1st Qu. : 9646	1st Qu. : 4.00	1st Qu. : 13.00	1st Qu. : 2.000
Median : 48.00	Median : 493.0	Median : 20260	Median : 8.00	Median : 14.00	Median : 2.000
Mean : 49.74	Mean : 501.7	Mean : 18258	Mean : 10.68	Mean : 14.51	Mean : 1.873
3rd Qu. : 77.00	3rd Qu. : 747.0	3rd Qu. : 26545	3rd Qu. : 14.00	3rd Qu. : 15.00	3rd Qu. : 2.000
Max. : 96.00	Max. : 973.0	Max. : 32248	Max. : 91.00	Max. : 24.00	Max. : 9.000

m8c1b	m8c1c	m8c1d	m8c1e	m8c21_01	m8c21_02
Min. : 1.000	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. :2.000	1st Qu. :2.000	1st Qu. :2.000	1st Qu. :2.000
Median :2.000	Median :2.000	Median :2.000	Median :2.000	Median :2.000	Median :2.000
Mean :1.872	Mean :1.871	Mean :1.878	Mean :1.883	Mean :1.896	Mean :1.871
3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000
Max. :9.000	Max. :9.000	Max. :2.000	Max. :2.000	Max. :3.000	Max. :3.000

m8c21_03	m8c21_04	m8c21_05	m8c21_06	m8c21_07	m8c21_08
Min. :1.000	Min. :1.00	Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000
1st Qu. :2.000	1st Qu. :2.00	1st Qu. :2.000	1st Qu. :2.000	1st Qu. :2.000	1st Qu. :2.000
Median :2.000	Median :2.00	Median :2.000	Median :2.000	Median :2.000	Median :2.000
Mean :1.959	Mean :2.01	Mean :2.028	Mean :2.006	Mean :1.997	Mean :2.033
3rd Qu. :2.000	3rd Qu. :2.00	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000
Max. :3.000	Max. :3.00	Max. :3.000	Max. :3.000	Max. :3.000	Max. :3.000

m8c21_09	m8c21_10	m8c21_11	m8c21_12	m8c21_13	m8c21_14
Min. :1.000	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. :2.000	1st Qu. :2.000	1st Qu. :2.000	1st Qu. :2.000
Median :2.000	Median :2.000	Median :2.000	Median :2.000	Median :2.000	Median :2.000
Mean :1.945	Mean :2.033	Mean :1.959	Mean :2.034	Mean :1.917	Mean :1.949
3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000
Max. :3.000	Max. :3.000	Max. :3.000	Max. :3.000	Max. :3.000	Max. :3.000

m8c21_15	m8c22_01	m8c22_02	m8c22_03	m8c22_04	m8c22_05
Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.00	Min. :1.000
1st Qu. :2.000	1st Qu. :2.000	1st Qu. :2.000	1st Qu. :2.000	1st Qu. :2.00	1st Qu. :2.000
Median :2.000	Median :2.000	Median :2.000	Median :2.000	Median :2.00	Median :2.000
Mean :1.997	Mean :1.897	Mean :1.875	Mean :1.961	Mean :2.01	Mean :2.027
3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.00	3rd Qu. :2.000
Max. :9.000	Max. :3.000	Max. :3.000	Max. :3.000	Max. :3.00	Max. :3.000

m8c22_06	m8c22_07	m8c22_08	m8c22_09	m8c22_10	m8c22_11
Min. :1.000	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. :2.000	1st Qu. :2.000	1st Qu. :2.000	1st Qu. :2.000
Median :2.000	Median :2.000	Median :2.000	Median :2.000	Median :2.000	Median :2.000
Mean :2.009	Mean :1.998	Mean :2.033	Mean :1.946	Mean :2.033	Mean :1.965
3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000
Max. :3.000	Max. :3.000	Max. :3.000	Max. :3.000	Max. :3.000	Max. :3.000

m8c22_12	m8c22_13	m8c22_14	m8c22_15	m8c2a	m8c2b
Min. :1.000	Min. :1.000	Min. :1.000	Min. :1	Min. :1.000	Min. :500
1st Qu. :2.000	1st Qu. :2.000	1st Qu. :2.000	1st Qu. :2	1st Qu. :1.000	1st Qu. :1000
Median :2.000	Median :2.000	Median :2.000	Median :2	Median :3.000	Median :1500
Mean :2.035	Mean :1.895	Mean :1.934	Mean :2	Mean :2.818	Mean :14286
3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2	3rd Qu. :3.000	3rd Qu. :19500
Max. :3.000	Max. :3.000	Max. :3.000	Max. :9	Max. :10.000	Max. :57000
				NA's :9388	NA's :9392

m8c3	m8c9	m8c10a	m8c10b	m8c10c	
Min. :1.000	Min. :1.000	Min. :1.000	Min. :0.000	Min. :0.000	
1st Qu. :2.000	1st Qu. :1.000	1st Qu. :5.000	1st Qu. :4.000	1st Qu. :1.000	
Median :2.000	Median :2.000	Median :6.000	Median :6.000	Median :6.000	
Mean :1.866	Mean :1.949	Mean :6.345	Mean :5.735	Mean :5.147	
3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :7.000	3rd Qu. :7.000	3rd Qu. :8.000	
Max. :2.000	Max. :9.000	Max. :12.000	Max. :12.000	Max. :12.000	
	NA's :1	NA's :7774	NA's :7774	NA's :7950	

m8c11a	m8c11b	m8c12a	m8c12b	m8c12c	m8c13
Min. :1.000	Min. :1.00	Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000

1st Qu. :2.000	1st Qu. :2.00	1st Qu. :2.000	1st Qu. :2.000	1st Qu. :2.000	1st Qu. :2.000
Median :2.000	Median :2.00	Median :2.000	Median :2.000	Median :2.000	Median :2.000
Mean :2.038	Mean :1.97	Mean :1.822	Mean :2.049	Mean :2.031	Mean :2.037
3rd Qu. :2.000	3rd Qu. :2.00	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000	3rd Qu. :2.000
Max. :4.000	Max. :4.00	Max. :9.000	Max. :4.000	Max. :4.000	Max. :4.000
NA's :1	NA's :1	NA's :1	NA's :1	NA's :1	NA's :1

36 : muc8vayno

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
Min. : 1.00	1st Qu. :15.00	Median :38.00	Mean :41.04	3rd Qu. :64.00	Max. :96.00
Min. : 16.0	1st Qu. :137.0	Median :394.0	Mean :410.8	3rd Qu. :627.5	Max. :972.0
Min. : 382	1st Qu. : 4495	Median :15427	Mean :15077	3rd Qu. :23755	Max. :32218
Min. : 1.000	1st Qu. : 3.000	Median : 6.000	Mean : 8.011	3rd Qu. :10.000	Max. :68.000
Min. :13.00	1st Qu. :13.00	Median :14.00	Mean :14.46	3rd Qu. :15.00	Max. :24.00
Min. :1.000	1st Qu. :1.000	Median :1.000		3rd Qu. :1.000	

Mean :1.086

Max. :4.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
Min. : 1.000	1st Qu. :1.000	Median :1.000	Mean :1.576	3rd Qu. :1.000	Max. :5.000
Min. : 220	1st Qu. : 6000	Median :10000	Mean :12319	3rd Qu. :15000	Max. :200000
Min. : 0.0000	1st Qu. : 0.5000	Median : 0.6500	Mean : 0.7488	3rd Qu. : 0.6500	Max. :18.0000
Min. :1.000	1st Qu. :1.000	Median :1.000	Mean :1.603	3rd Qu. :1.000	Max. :9.000
Min. : 0.000	1st Qu. : 0.000	Median : 0.000	Mean : 8.334	3rd Qu. : 0.000	Max. :2000.000

NA's :104

m8c8

Min. : 0
1st Qu. : 5000
Median : 9720
Mean : 11636
3rd Qu. : 15000
Max. :180000

37 : ttchung

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
Min. : 1.00	1st Qu. :26.00	Median :48.00	Mean :49.74	3rd Qu. :77.00	Max. :96.00
Min. : 1.0	1st Qu. :271.0	Median :493.0	Mean :501.7	3rd Qu. :747.0	Max. :973.0
Min. : 4	1st Qu. : 9646	Median :20260	Mean :18258	3rd Qu. :26545	Max. :32248
Min. : 1.00	1st Qu. : 4.00	Median : 8.00	Mean :10.68	3rd Qu. :14.00	Max. :91.00
Min. :13.00	1st Qu. :13.00	Median :14.00	Mean :14.51	3rd Qu. :15.00	Max. :24.00
Min. :1	1st Qu. :1	Median :1	Mean :1	3rd Qu. :1	Max. :1

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
Min. :1	1st Qu. :1	Median :1	Mean :1	3rd Qu. :1	Max. :1
Min. :1.000	1st Qu. :1.000	Median :2.000	Mean :1.718	3rd Qu. :2.000	Max. :2.000
Min. : 1.000	1st Qu. : 1.000	Median : 1.000	Mean : 2.246	3rd Qu. : 1.000	Max. :56.000
Min. :1.000	1st Qu. :2.000	Median :2.000	Mean :1.948	3rd Qu. :2.000	Max. :2.000
Min. : 1.0	1st Qu. : 6.0	Median :13.0	Mean :16.3	3rd Qu. :22.0	Max. :90.0
Min. : 1.000	1st Qu. : 3.000	Median : 6.000	Mean : 9.694	3rd Qu. :10.000	Max. :90.000

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
Min. : 1.00	1st Qu. :1.000	Median :1.000	Mean :1.000	3rd Qu. :1.000	Max. :1.000
Min. : 6.000	1st Qu. :6.000	Median :6.000	Mean :6.000	3rd Qu. :6.000	Max. :6.000
Min. : 1.000	1st Qu. :1.000	Median :1.000	Mean :1.000	3rd Qu. :1.000	Max. :1.000
Min. :1.000	1st Qu. :1.000	Median :1.000	Mean :1.000	3rd Qu. :1.000	Max. :1.000
Min. :1.000	1st Qu. :1.000	Median :1.000	Mean :1.000	3rd Qu. :1.000	Max. :1.000

1st Qu. : 9.00	1st Qu. : 7.000	1st Qu. : 3.000	1st Qu. : 2.000	1st Qu. : 1.00
Median : 15.00	Median : 9.000	Median : 4.000	Median : 2.000	Median : 1.00
Mean : 15.43	Mean : 9.297	Mean : 3.936	Mean : 1.904	Mean : 1.36
3rd Qu. : 21.00	3rd Qu. : 12.000	3rd Qu. : 5.000	3rd Qu. : 2.000	3rd Qu. : 2.00
Max. : 31.00	Max. : 12.000	Max. : 15.000	Max. : 2.000	Max. : 5.00
				NA's : 8501
m2act	m2atn	m2btn	m4atn1	m4atn2
Min. : 0	Min. : 0.0	Min. : NA	Min. : 0	Min. : 0
1st Qu. : 0	1st Qu. : 0.0	1st Qu. : NA	1st Qu. : 0	1st Qu. : 0
Median : 663	Median : 0.0	Median : NA	Median : 3244	Median : 0
Mean : 2882	Mean : 140.4	Mean : NaN	Mean : 20376	Mean : 2163
3rd Qu. : 2801	3rd Qu. : 0.0	3rd Qu. : NA	3rd Qu. : 29464	3rd Qu. : 706
Max. : 455500	Max. : 46184.0	Max. : NA	Max. : 842113	Max. : 176610
				NA's : 9399
m4atn3	m4atn4	m4atn5	m4atn6	m4atn
Min. : 0	Min. : 0.00	Min. : 0.0	Min. : 0	Min. : 0
1st Qu. : 0	1st Qu. : 0.00	1st Qu. : 0.0	1st Qu. : 0	1st Qu. : 0
Median : 0	Median : 0.00	Median : 0.0	Median : 0	Median : 12726
Mean : 1276	Mean : 37.45	Mean : 237.7	Mean : 2617	Mean : 26708
3rd Qu. : 0	3rd Qu. : 0.00	3rd Qu. : 0.0	3rd Qu. : 0	3rd Qu. : 36273
Max. : 163145	Max. : 26901.00	Max. : 24523.0	Max. : 176552	Max. : 935096
m4b21a	m4b21b	m4b21t	kydt	m4b0c1
Min. : 1.000	Min. : 1.000	Min. : 0	Min. : 1.000	Min. : 1.000
1st Qu. : 1.000	1st Qu. : 2.000	1st Qu. : 0	1st Qu. : 1.000	1st Qu. : 1.000
Median : 2.000	Median : 2.000	Median : 0	Median : 2.000	Median : 1.000
Mean : 1.521	Mean : 1.998	Mean : 9569	Mean : 1.996	Mean : 1.333
3rd Qu. : 2.000	3rd Qu. : 2.000	3rd Qu. : 4638	3rd Qu. : 3.000	3rd Qu. : 2.000
Max. : 2.000	Max. : 2.000	Max. : 13088807	Max. : 3.000	Max. : 2.000
				NA's : 4504
m4b0tn	m4b1a	m4b1b	m4b11t	m4b12t
Min. : 0.0	Min. : 1.000	Min. : 1.000	Min. : 0	Min. : 0
1st Qu. : 0.0	1st Qu. : 1.000	1st Qu. : 2.000	1st Qu. : 0	1st Qu. : 0
Median : 0.0	Median : 1.000	Median : 2.000	Median : 0	Median : 0
Mean : 183.4	Mean : 1.379	Mean : 1.999	Mean : 7464	Mean : 2885
3rd Qu. : 0.0	3rd Qu. : 2.000	3rd Qu. : 2.000	3rd Qu. : 8065	3rd Qu. : 1318
Max. : 66500.0	Max. : 2.000	Max. : 2.000	Max. : 393319	Max. : 798447
				NA's : 5839
m4b13t	m4b14t	tongthu_01	tongthu_02	tongthu_03
Min. : 0	Min. : 0.0	Min. : 1387	Min. : 0.0	Min. : 0.0
1st Qu. : 0	1st Qu. : 0.0	1st Qu. : 36020	1st Qu. : 0.0	1st Qu. : 0.0
Median : 0	Median : 0.0	Median : 60724	Median : 0.0	Median : 0.0
Mean : 4313	Mean : 1223.7	Mean : 102523	Mean : 140.4	Mean : 592.7
3rd Qu. : 0	3rd Qu. : 236.5	3rd Qu. : 104914	3rd Qu. : 0.0	3rd Qu. : 221.0
Max. : 3508317	Max. : 369377.0	Max. : 16728795	Max. : 46184.0	Max. : 142745.0
tongthu_04	tongthu_05	tongthu_06	tongthu_07	tongthu_08
Min. : 0	Min. : 0.0	Min. : 0	Min. : 0	Min. : 0.00
1st Qu. : 0	1st Qu. : 0.0	1st Qu. : 0	1st Qu. : 0	1st Qu. : 0.00
Median : 12726	Median : 0.0	Median : 5194	Median : 0	Median : 0.00
Mean : 26708	Mean : 183.4	Mean : 16106	Mean : 9569	Mean : 35.17
3rd Qu. : 36273	3rd Qu. : 0.0	3rd Qu. : 17259	3rd Qu. : 4638	3rd Qu. : 0.00
Max. : 935096	Max. : 66500.0	Max. : 3508317	Max. : 13088807	Max. : 40650.00
tongthu_09	tongthu_10	tongthu_11	tongthu_12	tongthu_13
Min. : 0.0	Min. : 0.0	Min. : 0	Min. : 0	Min. : -20149.0

1st Qu. :	0.0	1st Qu. :	0.0	1st Qu. :	0	1st Qu. :	0	1st Qu. :	263.5
Median :	0.0	Median :	0.0	Median :	0	Median :	0	Median :	1332.0
Mean :	524.4	Mean :	724.4	Mean :	4981	Mean :	34604	Mean :	7881.1
3rd Qu. :	0.0	3rd Qu. :	0.0	3rd Qu. :	0	3rd Qu. :	18136	3rd Qu. :	6198.0
Max. :	485583.0	Max. :	67000.0	Max. :	3328050	Max. :	6920845	Max. :	1112385.0

tongthu_14	m4b22t	m4b21c	m4b22c	m4b31a
Min. : 0.0	Min. : 0.00	Min. : 0	Min. : 0.000	Min. : 1.000
1st Qu. : 0.0	1st Qu. : 0.00	1st Qu. : 0	1st Qu. : 0.000	1st Qu. : 2.000
Median : 0.0	Median : 0.00	Median : 0	Median : 0.000	Median : 2.000
Mean : 474.1	Mean : 35.17	Mean : 6447	Mean : 4.179	Mean : 1.982
3rd Qu. : 0.0	3rd Qu. : 0.00	3rd Qu. : 2376	3rd Qu. : 0.000	3rd Qu. : 2.000
Max. : 543781.0	Max. : 40650.00	Max. : 6950799	Max. : 4440.000	Max. : 2.000

m4b31b	m4b3t	m4b3c	m4b41a	m4b41b
Min. : 2	Min. : 0.0	Min. : 0.0	Min. : 1.000	Min. : 2
1st Qu. : 2	1st Qu. : 0.0	1st Qu. : 0.0	1st Qu. : 2.000	1st Qu. : 2
Median : 2	Median : 0.0	Median : 0.0	Median : 2.000	Median : 2
Mean : 2	Mean : 524.4	Mean : 280.6	Mean : 1.776	Mean : 2
3rd Qu. : 2	3rd Qu. : 0.0	3rd Qu. : 0.0	3rd Qu. : 2.000	3rd Qu. : 2
Max. : 2	Max. : 485583.0	Max. : 322355.0	Max. : 2.000	Max. : 2
NA's : 173				NA's : 2110

m4b4t	m4b4c	chisxkd_1	chisxkd_2	chisxkd_3
Min. : 0.0	Min. : 0.00	Min. : 0	Min. : 0	Min. : 0
1st Qu. : 0.0	1st Qu. : 0.00	1st Qu. : 1334	1st Qu. : 0	1st Qu. : 0
Median : 0.0	Median : 0.00	Median : 7890	Median : 1593	Median : 0
Mean : 724.4	Mean : 98.95	Mean : 36457	Mean : 6426	Mean : 6447
3rd Qu. : 0.0	3rd Qu. : 0.00	3rd Qu. : 22393	3rd Qu. : 5888	3rd Qu. : 2376
Max. : 67000.0	Max. : 31768.00	Max. : 8159789	Max. : 1208990	Max. : 6950799

chisxkd_4	chisxkd_5	chisxkd_6	chisxkd_7	chisxkd_8
Min. : 0.000	Min. : 0.0	Min. : 0.00	Min. : 0	Min. : 0
1st Qu. : 0.000	1st Qu. : 0.0	1st Qu. : 0.00	1st Qu. : 0	1st Qu. : 0
Median : 0.000	Median : 0.0	Median : 0.00	Median : 0	Median : 0
Mean : 4.179	Mean : 280.6	Mean : 98.95	Mean : 3198	Mean : 20001
3rd Qu. : 0.000	3rd Qu. : 0.0	3rd Qu. : 0.00	3rd Qu. : 0	3rd Qu. : 2890
Max. : 4440.000	Max. : 322355.0	Max. : 31768.00	Max. : 3200105	Max. : 5830543

thunhap	thubq	chikhac_1	chikhac_2	chikhac_3
Min. : 1387	Min. : 34	Min. : 0	Min. : 0	Min. : 0
1st Qu. : 28282	1st Qu. : 649	1st Qu. : 0	1st Qu. : 365	1st Qu. : 1016
Median : 47224	Median : 1064	Median : 663	Median : 980	Median : 1633
Mean : 66066	Mean : 1507	Mean : 2882	Mean : 2900	Mean : 1970
3rd Qu. : 77936	3rd Qu. : 1770	3rd Qu. : 2801	3rd Qu. : 2700	3rd Qu. : 2496
Max. : 8569006	Max. : 238028	Max. : 455500	Max. : 260000	Max. : 28170

chikhac_4	chikhac_5	chikhac_6	chikhac_7	chikhac_8
Min. : 89	Min. : 0.0	Min. : 0	Min. : 0	Min. : 0
1st Qu. : 1193	1st Qu. : 279.5	1st Qu. : 1570	1st Qu. : 860	1st Qu. : 0
Median : 1766	Median : 477.0	Median : 2881	Median : 2000	Median : 0
Mean : 2092	Mean : 630.9	Mean : 4625	Mean : 3315	Mean : 5193
3rd Qu. : 2574	3rd Qu. : 781.5	3rd Qu. : 5228	3rd Qu. : 3933	3rd Qu. : 3000
Max. : 26343	Max. : 13362.0	Max. : 241600	Max. : 155537	Max. : 1092000

chikhac_9	m4b5c1a	m4b5c1b	m4b5t	m4b5c
Min. : 0	Min. : 1.000	Min. : 1	Min. : 0	Min. : 0

1st Qu. :	420	1st Qu. :2.000	1st Qu. :2	1st Qu. :	0	1st Qu. :	0
Median :	906	Median :2.000	Median :2	Median :	0	Median :	0
Mean :	2027	Mean :1.803	Mean :2	Mean :	4981	Mean :	3198
3rd Qu. :	2065	3rd Qu. :2.000	3rd Qu. :2	3rd Qu. :	0	3rd Qu. :	0
Max. :	280000	Max. :2.000	Max. :2	Max. :	3328050	Max. :	3200105

NA' s :1856

m4c1	m4ctt	m4ct	m4cct	m4cc
Min. :1.000	Min. :0	Min. :0	Min. :0	Min. :0
1st Qu.:1.000	1st Qu.:0	1st Qu.:0	1st Qu.:0	1st Qu.:0
Median :2.000	Median :0	Median :0	Median :0	Median :0
Mean :1.653	Mean :35383	Mean :34604	Mean :20453	Mean :20001
3rd Qu.:2.000	3rd Qu.:18348	3rd Qu.:18136	3rd Qu.:2932	3rd Qu.:2890
Max. :2.000	Max. :6920845	Max. :6920845	Max. :5830543	Max. :5830543

m4dtn	m5a1ct	m5a1c4	m5a1c5	m5a2ct
Min. : -20149.0	Min. :0	Min. :0.0	Min. :0.0	Min. :89
1st Qu. :263.5	1st Qu. :1016	1st Qu. :748.5	1st Qu. :0.0	1st Qu. :1193
Median :1332.0	Median :1633	Median :1280.0	Median :166.0	Median :1766
Mean :7881.1	Mean :1970	Mean :1606.5	Mean :363.2	Mean :2092
3rd Qu. :6198.0	3rd Qu. :2496	3rd Qu. :2042.5	3rd Qu. :495.0	3rd Qu. :2574
Max. :1112385.0	Max. :28170	Max. :28170.0	Max. :12812.0	Max. :26343

m5a2c6	m5a2c7	m5a2c8	m5b1ct	m5b1c6
Min. :0	Min. :0.0	Min. :0.00	Min. :0.0	Min. :0.0
1st Qu. :803	1st Qu. :0.0	1st Qu. :0.00	1st Qu. :279.5	1st Qu. :215.0
Median :1423	Median :150.0	Median :0.00	Median :477.0	Median :423.0
Mean :1776	Mean :284.7	Mean :31.15	Mean :630.9	Mean :574.4
3rd Qu. :2288	3rd Qu. :474.5	3rd Qu. :0.00	3rd Qu. :781.5	3rd Qu. :730.0
Max. :26343	Max. :6800.0	Max. :4000.00	Max. :13362.0	Max. :13362.0

m5b1c7	m5b1c8	m5b2ct	m5b2c4	m5b2c5
Min. :0.00	Min. :0.000	Min. :0	Min. :0	Min. :0.0
1st Qu. :0.00	1st Qu. :0.000	1st Qu. :1570	1st Qu. :1504	1st Qu. :0.0
Median :0.00	Median :0.000	Median :2881	Median :2810	Median :0.0
Mean :51.82	Mean :4.623	Mean :4625	Mean :4470	Mean :154.9
3rd Qu. :60.00	3rd Qu. :0.000	3rd Qu. :5228	3rd Qu. :5108	3rd Qu. :0.0
Max. :2600.00	Max. :1386.000	Max. :241600	Max. :161110	Max. :120800.0

m5b3ct	m6c7	m3c1	m3ct1	m3ct2
Min. :0	Min. :0	Min. :1.000	Min. :0	Min. :0
1st Qu. :860	1st Qu. :0	1st Qu. :1.000	1st Qu. :0	1st Qu. :0
Median :2000	Median :0	Median :1.000	Median :190	Median :0
Mean :3315	Mean :5193	Mean :1.202	Mean :1070	Mean :1127
3rd Qu. :3933	3rd Qu. :3000	3rd Qu. :1.000	3rd Qu. :850	3rd Qu. :75
Max. :155537	Max. :1092000	Max. :2.000	Max. :192500	Max. :246000

m3ct3	m3ct	m3tn	m4b15t	m4b1t
Min. :0.0	Min. :0	Min. :0.0	Min. :0	Min. :0
1st Qu. :0.0	1st Qu. :365	1st Qu. :0.0	1st Qu. :0	1st Qu. :0
Median :0.0	Median :980	Median :0.0	Median :0	Median :5194
Mean :160.3	Mean :2900	Mean :592.7	Mean :221	Mean :16106
3rd Qu. :205.0	3rd Qu. :2700	3rd Qu. :221.0	3rd Qu. :270	3rd Qu. :17259
Max. :16160.0	Max. :260000	Max. :142745.0	Max. :10502	Max. :3508317

m4b1c
Min. :0

1st Qu. : 0
 Median : 1593
 Mean : 6426
 3rd Qu. : 5888
 Max. : 1208990

```
#### 38 : weight10 #####
      tinh      huyen      xa      diaban      wt9
Min.   : 1.00   Min.   : 1.0   Min.   : 4   Min.   : 1.00   Min.   : 369
1st Qu.: 26.00   1st Qu.: 271.0   1st Qu.: 9646   1st Qu.: 4.00   1st Qu.: 1834
Median : 48.00   Median : 493.0   Median : 20260   Median : 8.00   Median : 2157
Mean   : 49.74   Mean   : 501.7   Mean   : 18258   Mean   : 10.68   Mean   : 2370
3rd Qu.: 77.00   3rd Qu.: 747.0   3rd Qu.: 26545   3rd Qu.: 14.00   3rd Qu.: 2682
Max.   : 96.00   Max.   : 973.0   Max.   : 32248   Max.   : 91.00   Max.   : 7936
```

5.3 Frequency table of categorical variables

Data check of categorical variables

```

> # file.names: Rnames[j]
> # file.list: lss2010[[j]]
> # variable.labels: var.names[[j]]
> # list of column numbers of categorical variables
> check.list<-list()
> check.list[[1]]<-c(12:14)
> check.list[[2]]<-c(7,8,12,14:16)
> check.list[[3]]<-c(7,8,10:12,14,15)
> check.list[[4]]<-c(8:13,15:18,32,33)
> check.list[[5]]<-c(9,10,15)
> check.list[[6]]<-c(7:9,11,12)
> check.list[[7]]<-c(7:10,16,17,20:22,27:30,36,37,40,41,46,48)
> check.list[[8]]<-c(6)
> check.list[[9]]<-c(6)
> check.list[[10]]<-c(6)
> check.list[[11]]<-c(6,8)
> check.list[[12]]<-c(6,8)
> check.list[[13]]<-c(6)
> check.list[[14]]<-c(6)
> check.list[[15]]<-c(6)
> check.list[[16]]<-c(6)
> check.list[[17]]<-c(6)
> check.list[[18]]<-c(6)
> check.list[[19]]<-c(6)
> check.list[[20]]<-c(6)
> check.list[[21]]<-c(6)
> check.list[[22]]<-c(6)
> check.list[[23]]<-c(6)
> check.list[[24]]<-c(7,9,12,13,16,18,20)
> check.list[[25]]<-c()
> check.list[[26]]<-c()
> check.list[[27]]<-c(6)
> check.list[[28]]<-c(6)
> check.list[[29]]<-c(6)
> check.list[[30]]<-c()
> check.list[[31]]<-c()
> check.list[[32]]<-c()
> check.list[[33]]<-c()
> check.list[[34]]<-c(8:11,15,16,19:21,23,24,28,29)
> check.list[[35]]<-c(6:14,16:29,31:40,43:53)
> check.list[[36]]<-c(7,10)
> check.list[[37]]<-c(6,8,10,16,28,29,32,34,35,57,58,61,62,85,110)
> check.list[[38]]<-c()

> for(j in 1:38){
+ if(length(check.list[[j]])==0){ next }
+ cat(c("\n\n", "#### FREQUENCY OF VARIABLES IN ", j, ": ", Rnames[j],
+ "#####"), "\n\n")
+ for(k in check.list[[j]]){

```

```

+ variable.name<-colnames(lss2010[[j]])[k]
+ variable.label<-var.names[[j]][k]
+ cat(c("----",k," : ",variable.name," : ",variable.label,"----- "))
+ print(table(lss2010[[j]][k],useNA="ifany"))
+ }}

```

FREQUENCY OF VARIABLES IN 1 : hhexpe10

```

--- 12 : urban10 : Indicator that household is urban; 0 means rural -----
    0    1
6750 2649
--- 13 : reg8 : 8-region coding -----
    1    2    3    4    5    6    7    8
1845 1365 444 978 852 651 1359 1905
--- 14 : reg6 : 6-region coding -----
    1    2    3    4    5    6
1992 1662 2067 651 1122 1905

```

FREQUENCY OF VARIABLES IN 2 : muc1a

```

--- 7 : m1ac2 : Sex -----
    1    2
18184 18815
--- 8 : m1ac3 : Relationship -----
    1    2    3    4    5    6    7
9399 7489 16165 846 49 2162 889
--- 12 : m1ac6 : Marial status -----
    1    2    3    4    5 <NA>
8641 18315 1858 321 120 7744
--- 14 : m1ac8 : Why has not lived household -----
    1    2    3    4    5    6 <NA>
891 7 13 327 85 117 35559
--- 15 : m1ac9 : Place of registering for residency -----
    1    2    3    4    5
35838 586 536 10 29
--- 16 : m1ac10 : Province registering for residency -----
    1    2    8    17    19    20    24    25    26    27    30    31    33    34    35    36
34    1    7    3    4    3    4    3    5    3    6    2    2    17    13    17
37    38    40    42    44    46    48    49    51    52    54    56    58    60    62    64
5    28    14    13    7    25    4    11    7    20    7    2    1    7    2    8
66    68    70    72    74    75    77    79    80    82    83    84    86    87    89    91
7    9    12    9    7    12    13    30    5    11    11    22    12    20    10    6
92    93    94    95    96    99    <NA>
12    10    21    3    18    1    36453

```

FREQUENCY OF VARIABLES IN 3 : muc1b

```

--- 7 : m1bc3 : Sex -----
    1    2
712 509
--- 8 : m1bc4 : Being servant, home worker, lodger or house sharer? -----
    1    2

```

```

55 1166
--- 10 : m1bc6 : Marital status -----
  1   2   3   4   5 <NA>
863 319   8  24   5   2
--- 11 : m1bc7a : The highest diploma of universalised and higher education -----
  0   1   2   3   8   9  10  12
95 256 398 322 35 83   4  28
--- 12 : m1bc7b : The highest diploma of vocational education -----
  0   4   5   6   7
1004 80 56 61 20
--- 14 : m1bc9 : Place of registering for residency -----
  1   2   3   4   5
1069 43 100 8 1
--- 15 : m1bc10 : Province registering for residency -----
  1  10  14  17  19  22  25  30  31  36  37  38  42  48  49  52  56  58  60  64
  6   1   1   1   3   1   2   2   2   2   1   6   1   2   2   4   3   2   2   3
66 68 74 75 77 79 80 84 86 91 92 94 95 99 <NA>
  3   2   5   4   1  27  2   1   2   1   2   1   3   7 1113

#### FREQUENCY OF VARIABLES IN 4 : muc2 #####

--- 8 : m2c2a : The highest qualification - General education and college-level upwards ---
  0   1   2   3   8   9  10  11  12 <NA>
8473 8734 8281 5351 449 1158 54 6 11 4482
--- 9 : m2c2b : The highest qualification - Vocational training -----
  0   4   5   6   7 <NA>
29839 1008 586 1016 68 4482
--- 10 : m2c3 : Which type of school -----
  1   2   3   4   5 <NA>
31640 325 229 231 92 4482
--- 11 : m2c4 : Does [name] go to school now? -----
  1   2   3 <NA>
6912 2643 22962 4482
--- 12 : m2c5 : Has [name] attended school over the past 12 months? -----
  1   2 <NA>
427 22535 14037
--- 13 : m2c6 : Level of education -----
  0   1   2   3   4   5   6   7   8   9  10  12 <NA>
1264 3026 2352 1602 32 124 209 88 402 837 18 28 27017
--- 15 : m2c8 : Which school does [name] attend? -----
  1   2   3   4 <NA>
9254 371 177 180 27017
--- 16 : m2c9 : Reduction of or exemption from tuition fees or contributions to education? ----
  1   2 <NA>
4310 5672 27017
--- 17 : m2c10a : Reasons for reduction/exemption from tuition fees? -----
  0   1   2   3   4   5   6   7   8   9 <NA>
 23 585 320 4 82 428 22 2593 189 64 32689
--- 18 : m2c10b : Reasons for reduction/exemption from contribution? -----
  0   1   2   3   4   5   6   8   9 <NA>
3152 418 300 2 34 286 27 46 45 32689
--- 32 : m2c15a : Toys bought in shops -----
  1   2   9 <NA>
1962 1005 2 34030
--- 33 : m2c15b : Self-made toys -----

```

1 2 9 <NA>
447 2519 3 34030

FREQUENCY OF VARIABLES IN 5 : muc3a

--- 9 : m3c3b : Medical establishment code -----
1 2 3 4 5 6 7 8 9 10 11 12 13 <NA>
137 4137 631 4302 3097 1003 318 630 57 3494 263 1404 173 1
--- 10 : m3c4 : Reasons for [name] to visit medical establishments? -----
1 2 3 4 <NA>
920 706 3293 14727 1
--- 15 : m3c7 : Did the household afford the medical check/treatment? -----
1 2 3 <NA>
18462 984 200 1

FREQUENCY OF VARIABLES IN 6 : muc3b

--- 7 : m3c9 : Health insurance card in the last 12 months -----
1 2
22579 14420
--- 8 : m3c10a : The first type -----
-1 1 2 3 4 5 6 7 8 9 10 <NA>
5 2971 3394 259 2581 2245 2694 764 5158 2117 391 14420
--- 9 : m3c10b : The second type -----
0 1 2 3 4 5 6 7 8 9 10 <NA>
22105 49 111 5 101 67 13 5 64 18 41 14420
--- 11 : m3c12a : Out-service -----
1 2 <NA>
6419 16160 14420
--- 12 : m3c12b : In-service -----
1 2 9 <NA>
2076 20502 1 14420

FREQUENCY OF VARIABLES IN 7 : muc4a

--- 7 : m4ac1a : waged/salaried employment -----
1 2 <NA>
9791 23615 3593
--- 8 : m4ac1b : Involved in agri, fishery and farm -----
1 2 <NA>
13696 19710 3593
--- 9 : m4ac1c : involved bussiness, services -----
1 2 <NA>
4977 28429 3593
--- 10 : m4ac2 : Working or not? -----
1 2 <NA>
22163 11243 3593
--- 16 : m4ac4 : Industry code -----
2 3 5 6 7 8 9 10 11 12 13 14 15 16 17 18
168 650 33 6 13 63 1 559 641 11 71 559 179 290 58 22
19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 35
2 42 19 54 207 31 192 60 22 27 11 26 243 67 51 55
36 38 39 41 42 43 45 46 47 49 50 51 52 53 55 56
20 31 2 1197 123 83 149 479 1787 499 57 5 36 15 61 716

58	59	60	61	62	63	64	65	66	68	69	70	71	72	73	74
5	2	11	66	17	12	62	22	16	40	14	4	27	14	8	17
75	77	78	79	80	81	82	84	85	86	87	88	90	91	92	93
12	11	4	10	8	13	19	633	698	184	14	5	13	8	38	29
94	95	96	97	98	99	110	140	160	<NA>						
11	75	207	70	2	2	8620	1338	109	14836						

--- 17 : m4ac5 : taken the most time-consuming job over the last 30 days -----
1 2 9 <NA>
20469 1693 1 14836

--- 20 : m4ac8a : 8a.Economic types -----
1 2 3 4 5 6 <NA>
12354 5573 81 1519 2178 458 14836

--- 21 : m4ac8b : 8b.Official? -----
1 2 <NA>
1580 598 34821

--- 22 : m4ac9 : Has [name] received salaries, wages for this job? -----
1 2 <NA>
7587 14576 14836

--- 27 : m4ac13a : Signing a payroll book? -----
1 2 <NA>
3990 3597 29412

--- 28 : m4ac13b : Paid leave / festive occasions? -----
1 2 <NA>
3096 4491 29412

--- 29 : m4ac13c : Social insurance? -----
1 2 <NA>
2921 4666 29412

--- 30 : m4ac14 : Any other jobs in the last 12 months? -----
1 2 <NA>
10034 12129 14836

--- 36 : m4ac16 : Industry code -----																	
2	3	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
802	427	2	1	17	26	3	169	385	4	26	155	9	109	7	1		
19	20	21	22	23	24	25	26	27	28	29	31	32	33	35	36		
1	3	1	5	49	2	17	2	1	1	1	33	13	2	9	4		
37	38	41	42	43	45	46	47	49	50	52	55	56	58	60	61		
2	10	354	28	23	10	88	285	68	6	7	11	109	1	2	11		
62	63	65	66	68	71	74	75	77	78	79	81	82	84	85	86		
1	2	4	2	9	1	3	6	10	1	2	2	4	146	36	30		
88	90	91	92	93	94	95	96	97	98	99	110	140	160	<NA>			
3	2	1	11	11	2	19	41	26	2	1	4052	2183	119	26965			

--- 37 : m4ac17 : taken the second most time-consuming job over the last 30 days -----
1 2 <NA>
8153 1881 26965

--- 40 : m4ac20 : Employer/owner? -----
1 2 3 4 5 6 <NA>
8223 1349 26 187 227 22 26965

--- 41 : m4ac21 : Working for wage/salary? -----
1 2 <NA>
2095 7939 26965

--- 46 : m4ac25 : Any other job for wage/salary? -----
1 2 <NA>
813 9221 26965

--- 48 : m4ac27 : Has received unemployment benefits, one-off severance pays, pensions, ... over
t -----
1 2 <NA>
1083 26784 9132

FREQUENCY OF VARIABLES IN 8 : muc4b0

--- 6 : m4b0ma : Code of land plot -----
 1 2 3 4 5 6 7
 5163 1633 871 745 3102 36 69

FREQUENCY OF VARIABLES IN 9 : muc4b11

--- 6 : m4b11ma : Rice code -----
 1 2 3 4 5 6 7
 3523 1385 2736 133 4231 1321 259

FREQUENCY OF VARIABLES IN 10 : muc4b12

--- 6 : m4b12ma : Staple food crops, non-staple food crops, and other annual crops -----
 8 9 10 11 12 13 14 15 16 17 18 19 20 21
 1704 473 976 37 139 1600 758 827 2083 658 175 851 1941 935

FREQUENCY OF VARIABLES IN 11 : muc4b13

--- 6 : m4b13ma : Annual and perennial industrial crops -----
 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38
 398 771 65 182 75 12 8 4 30 281 310 64 125 408 20 212 47
 --- 8 : m4b13c3b : Code -----
 1 2
 2406 606

FREQUENCY OF VARIABLES IN 12 : muc4b14

--- 6 : m4b14ma : Fruit trees -----
 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54
 679 142 1803 824 88 4 178 652 724 115 329 731 8 757 166 7
 --- 8 : m4b14c3b : Code -----
 1 2
 956 6251

FREQUENCY OF VARIABLES IN 13 : muc4b15

--- 6 : m4b15ma : Code of crop by-products -----
 1 2 3 4 5 6 7 8 9 10
 2672 486 1132 270 78 1 14 1192 394 399

FREQUENCY OF VARIABLES IN 14 : muc4b16

--- 6 : m4b16ma : Crop planting expense code -----
 1 2 3 4 5 6 7 8 10 11 12 13 14 15 16 17 18 91 92 93
 4908 2079 5441 2433 586 4759 4076 5020 806 2168 628 3520 737 2884 1914 285 2873 829 7 15
 94 95 96 97 98 99 910 911
 744 25 51 560 3 1 54 76

FREQUENCY OF VARIABLES IN 15 : muc4b17

--- 6 : m4b17ma : Code of chemical fertilizers -----

1	2	3	4	5
4844	2543	2833	3926	978

FREQUENCY OF VARIABLES IN 16 : muc4b21

--- 6 : m4b21ma : Livestock breeding code -----

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1757	309	3	53	3736	974	30	736	232	337	321	2276	6	16	37	22	111	1888	123

FREQUENCY OF VARIABLES IN 17 : muc4b22

--- 6 : m4b22ma : Code of livestock breeding -----

1	2	3	4	5	6	7	8	9	10	11
2167	528	4	42	3784	1008	31	30	16	394	107

FREQUENCY OF VARIABLES IN 18 : muc4b31

--- 6 : m4b31ma : Agricultural Service code -----

1	2	3	4	5
126	7	2	52	13

FREQUENCY OF VARIABLES IN 19 : muc4b32

--- 6 : m4b32ma : Agricultural Services expense code -----

1	2	3	4	5
126	8	2	50	13

FREQUENCY OF VARIABLES IN 20 : muc4b41

--- 6 : m4b41ma : Forestry product code -----

1	2	3	4	5	6	7	8	9	10	11	12	13	14
17	20	21	5	1	218	412	20	30	109	1952	36	600	63

FREQUENCY OF VARIABLES IN 21 : muc4b42

--- 6 : m4b42ma : Forestry activity code -----

1	2
2064	55

FREQUENCY OF VARIABLES IN 22 : muc4b51

--- 6 : m4b51ma : Aquaculture code -----

3	11	12	13	14	21	22	23
1	1073	225	35	152	716	91	378

FREQUENCY OF VARIABLES IN 23 : muc4b52

--- 6 : m4b52ma : Aquacultural breed code -----

1 2 3
1156 855 2

FREQUENCY OF VARIABLES IN 24 : muc4c1

--- 7 : m4c1c2 : Industry code -----

6	7	8	10	11	13	14	15	16	17	18	20	21	22	23	24	25	27	30	31
1	9	17	252	225	18	149	6	155	8	8	7	2	4	21	6	43	1	2	67
32	33	35	36	38	41	42	43	45	46	47	49	50	51	52	55	56	60	61	62
16	21	4	3	11	38	9	10	89	220	1337	311	22	1	5	29	453	1	13	1
63	64	65	66	68	71	72	73	74	75	77	79	82	85	86	87	88	90	91	92
4	3	1	5	32	1	1	2	7	11	16	2	6	20	24	1	1	7	2	16
93	94	95	96	97	98														
22	1	71	150	4	2														

--- 9 : m4c1c4 : HH's member owned all of the business or not -----

1 2
3961 46

--- 12 : m4c1c7 : Having business license or not -----

1 2 3
84 1136 2787

--- 13 : m4c1c8 : The product of this activity is for selling/bartering/supplying services or not -----

1 2 <NA>
2251 110 1646

--- 16 : m4c1c11 : HH exchanged goods and services produce by this business for other goods and ser -----

1 2 <NA>
17 2234 1756

--- 18 : m4c1c13 : HH consumed any goods and services produced by this business for past 12 months? -----

1 2 <NA>
748 1613 1646

--- 20 : m4c1c15 : HH consumed or sold and by-products produced by this business for the past 12 mo -----

1 2
700 3307

FREQUENCY OF VARIABLES IN 27 : muc5a1

--- 6 : m5a1ma : Consumed items -----

101	102	110	111	112	113	114	115	116	118	120	121	124	134	139	140	144	145	146	148
4333	6858	9128	4068	425	8245	3152	830	5774	6127	1189	8145	6479	8778	8102	8940	7618	4575	4999	2824
150	151	153	154																
7227	6105	4430	8503																

FREQUENCY OF VARIABLES IN 28 : muc5a2

--- 6 : m5a2ma : Things has HH consumed for last 12 months -----

101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
9241	2487	1594	888	2544	3165	6284	4319	1533	8883	3633	363	5714	2665	999	2845	8934	8389	3131	2593

121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140
 7877 7243 3195 2097 4355 7511 1746 4721 6367 8428 3138 5538 2196 6383 8833 8086 5906 8544 7402 3137
 141 142 143 144 145 146 147 148 149 150 151 152 153 154
 2379 2342 2126 4857 1983 1739 1167 875 623 5338 4923 439 7030 7902

FREQUENCY OF VARIABLES IN 29 : muc5b1

--- 6 : m5b1ma : which of the Items has your HH consumed over the last 30 days? -----
 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220
 3242 109 611 6734 1384 87 226 5111 16 4598 1494 254 4206 8124 9359 8323 9013 6612 2568 8949
 221 222 223 224 225 226 227 228
 7042 1023 502 802 1855 6384 7410 4996

FREQUENCY OF VARIABLES IN 34 : muc7

--- 8 : m7c3 : The main material as poles(or pillars,or carrying walls of the house -----
 1 2 3 4 5 <NA>
 2667 4299 1303 1074 47 9
 --- 9 : m7c4 : The main material as roofing of the house -----
 1 2 3 4 5 <NA>
 1644 3038 4241 420 47 9
 --- 10 : m7c5 : The main material as walls or surrounding of the house -----
 1 2 3 4 5 6 <NA>
 198 6770 1166 266 473 517 9
 --- 11 : m7c6 : Does your household pay rents? -----
 1 2 <NA>
 243 9147 9
 --- 15 : m7c10 : Does HH have any other land plots or houses/flats? -----
 1 2 <NA>
 796 8594 9
 --- 16 : m7c11 : Does HH receive rents from those residential land lost or house -----
 1 2 <NA>
 137 659 8603
 --- 19 : m7c14 : The main drinking water supply of HH -----
 1 2 3 4 5 6 7 8 9 10
 2245 106 2256 1936 353 505 326 93 1193 386
 --- 20 : m7c15a : Do HH treat drinking water by boiling -----
 1 2
 8524 875
 --- 21 : m7c15b : Do HH treat drinking water by a filter or chemicals -----
 1 2
 1370 8029
 --- 23 : m7c17 : Type of toilet -----
 1 2 3 4 5 6 9
 4322 431 1380 1001 1470 794 1
 --- 24 : m7c18 : Main source of lighting? -----
 1 2 3 4
 9075 120 177 27
 --- 28 : m7c21 : How has HH disposed garbage? -----
 1 2 3 4 5 6
 3004 411 1469 528 3886 101
 --- 29 : m7c22 : Money paid for daily-life waste in the past 12 months -----
 0 4 7 8 10 12 15 16 18 20 21 22 24 25 26 28 30 32 34 35
 6390 2 1 5 20 25 11 4 21 22 1 2 79 8 2 8 35 5 2 1
 36 40 42 44 45 48 50 52 53 54 55 56 60 62 64 65 66 67 70 72

108	30	7	1	2	108	23	2	1	19	1	3	326	1	2	3	4	1	10	183
74	75	76	80	84	85	88	90	92	94	96	98	100	108	110	112	120	126	130	132
1	2	2	17	105	4	2	26	2	1	239	1	33	49	2	1	534	5	2	1
135	138	140	142	144	145	150	156	160	164	168	170	180	185	186	190	192	195	200	204
1	1	3	2	117	2	21	19	8	1	29	1	309	3	2	5	44	8	13	2
210	216	220	240	250	260	264	270	280	288	300	324	325	350	360	372	400	420	432	480
3	28	3	158	12	15	1	2	3	11	10	1	3	1	24	3	2	3	1	3
500	516	540	600	720	840	900													
3	1	1	5	1	1	1													

FREQUENCY OF VARIABLES IN 35 : muc8

```

--- 6 : m8c1a : HH classified as a poor of the commune/ward in the following y2006? -----
      1      2      9
1204 8193      2
--- 7 : m8c1b : HH classified as a poor of the commune/ward in the following y2007? -----
      1      2      9
1211 8187      1
--- 8 : m8c1c : HH classified as a poor of the commune/ward in the following y2008? -----
      1      2      9
1223 8175      1
--- 9 : m8c1d : HH classified as a poor of the commune/ward in the following y2009? -----
      1      2
1142 8257
--- 10 : m8c1e : HH classified as a poor of the commune/ward in the following y2010? -----
      1      2
1098 8301
--- 11 : m8c21_01 : Support in purchasing health insurance cards 2009 -----
      1      2      3
1037 8301      61
--- 12 : m8c21_02 : Reduction of and exemption from costs of medical checks/treatment for the poor
20 -----
      1      2      3
1281 8045      73
--- 13 : m8c21_03 : reduction of and exemption from tuition fees for the poor 2009 -----
      1      2      3
512 8759 128
--- 14 : m8c21_04 : Policy-based scholarships 2009 -----
      1      2      3
119 9063 217
--- 16 : m8c21_06 : Support in housing and residential land for poor households 2009 -----
      1      2      3
133 9072 194
--- 17 : m8c21_07 : Support in cleaning/improving daily-life water supplies for poor households
2009 -----
      1      2      3
223 8980 196
--- 18 : m8c21_08 : Providing productive land for poor ethnic minorities households 2009
-----
      1      2      3
7 9075 317
--- 19 : m8c21_09 : Extension services in agriculture, forestry and fisheries 2009 -----
      1      2      3
763 8389 247
--- 20 : m8c21_10 : Support in migrating abroad for employment 2009 -----
      1      2      3

```

```

11 9068 320
--- 21 : m8c21_11 : Food aid 2009 -----
1 2 3
532 8721 146
--- 22 : m8c21_12 : Subsidized petroleum/kerosene for fishing boat(s)/vessel(s) 2009
-----
1 2 3
16 9043 340
--- 23 : m8c21_13 : Preferential credit for the poor 2009 -----
1 2 3
919 8340 140
--- 24 : m8c21_14 : Support in machinery, production inputs 2009 -----
1 2 3
684 8514 201
--- 25 : m8c21_15 : others 2009 -----
1 2 3 9
269 8891 238 1
--- 26 : m8c22_01 : Support in purchasing health insurance cards 2010 -----
1 2 3
1033 8304 62
--- 27 : m8c22_02 : Reduction of and exemption from costs of medical checks/treatment for the poor
20 -----
1 2 3
1247 8079 73
--- 28 : m8c22_03 : reduction of and exemption from tuition fees for the poor 2010 -----
1 2 3
496 8778 125
--- 29 : m8c22_04 : Policy-based scholarships 2010 -----
1 2 3
116 9072 211
--- 31 : m8c22_06 : Support in housing and residential land for poor households 2010 -----
1 2 3
118 9081 200
--- 32 : m8c22_07 : Support in cleaning/improving daily-life water supplies for poor households
2010 -----
1 2 3
218 8986 195
--- 33 : m8c22_08 : Providing productive land for poor ethnic minorities households 2010
-----
1 2 3
6 9078 315
--- 34 : m8c22_09 : Extension services in agriculture, forestry and fisheries 2010 -----
1 2 3
756 8395 248
--- 35 : m8c22_10 : Support in migrating abroad for employment 2010 -----
1 2 3
9 9075 315
--- 36 : m8c22_11 : Food aid 2010 -----
1 2 3
483 8766 150
--- 37 : m8c22_12 : Subsidized petroleum/kerosene for fishing boat(s)/vessel(s) 2010
-----
1 2 3
10 9048 341
--- 38 : m8c22_13 : Preferential credit for the poor 2010 -----
1 2 3

```

```

1124 8137 138
--- 39 : m8c22_14 : Support in machinery, production inputs 2010 -----
    1   2   3
819 8380 200
--- 40 : m8c22_15 : others 2010 -----
    1   2   3   9
247 8913 238 1
--- 43 : m8c3 : Borrowed from or remained to preferential credit schemes for the poor in 2010
-----
    1   2
1258 8141
--- 44 : m8c9 : Compared with 2006, has HH member's life been improved? -----
    1   2   3   4   9 <NA>
2851 4898 1045 580 24 1
--- 45 : m8c10a : The first reason why life is worse -----
    1   2   3   4   5   6   7   8   9   10  11  12 <NA>
113 39 29 74 427 214 405 69 16 34 14 191 7774
--- 46 : m8c10b : The second reason why life is worse -----
    0   1   2   3   4   5   6   7   8   9   10  11  12 <NA>
176 80 90 35 63 133 300 402 152 8 42 13 131 7774
--- 47 : m8c10c : The third reason why life is worse -----
    0   1   2   3   4   5   6   7   8   9   10  11  12 <NA>
348 65 68 34 41 62 225 236 154 14 46 11 145 7950
--- 48 : m8c11a : consumption of food over the last 30 days -----
    1   2   3   4 <NA>
440 8218 686 54 1
--- 49 : m8c11b : consumption of foodstuff over the last 30 days -----
    1   2   3   4 <NA>
1079 7580 678 61 1
--- 50 : m8c12a : consumption of electricity over the last 30 days -----
    1   2   3   4   9 <NA>
2257 6721 280 136 4 1
--- 51 : m8c12b : consumption of water over the last 30 days -----
    1   2   3   4 <NA>
402 8278 574 144 1
--- 52 : m8c12c : consumption of housing over the last 30 days -----
    1   2   3   4 <NA>
581 8173 419 225 1
--- 53 : m8c13 : consumption of clothing and footwear over the last 30 days -----
    1   2   3   4 <NA>
514 8187 535 162 1

```

FREQUENCY OF VARIABLES IN 36 : muc8vayno

```

--- 7 : m8c4 : Which preferential credit scheme has your household borrowed from/remained indeb
-----
    1   2   3   4   5
1111 16 43 102 95
--- 10 : m8c6b : Time unit -----
    1   2   3   4   9 <NA>
971 46 28 217 1 104

```

FREQUENCY OF VARIABLES IN 37 : ttchung

```

--- 6 : quyen : Income/Income & Expenditure -----
      1
9399
--- 8 : ttnt : Urban/Rural -----
      1 2
2649 6750
--- 10 : phdich : Interpretation -----
      1 2
488 8911
--- 16 : m1b1 : Is there any a servant, home worker, lodger or house sharer? -----
      1 2
898 8501
--- 28 : m4b21a : Raised livestock in past 12 month? -----
      1 2
4504 4895
--- 29 : m4b21b : Was the damage caused by natural disaster, pest diseases,...? -----
      1 2 <NA>
10 4885 4504
--- 32 : m4b0c1 : Used or managed land for agri&forestry or water surface aquaculture
-----
      1 2
6270 3129
--- 34 : m4b1a : Harvested any products from planting activities in past 12 month? -----
      1 2
5839 3560
--- 35 : m4b1b : Was the damage caused by natural disaster, pest diseases,...? -----
      1 2 <NA>
3 3557 5839
--- 57 : m4b31a : Agricul. services in past 12 months? -----
      1 2
173 9226
--- 58 : m4b31b : Was the damage caused by natural disaster, pest diseases,...? -----
      2 <NA>
9226 173
--- 61 : m4b41a : Revenue from forestry activities? -----
      1 2
2110 7289
--- 62 : m4b41b : Was the damage caused by natural disaster, pest diseases,...? -----
      2 <NA>
7289 2110
--- 85 : m4b5c1b : Was the damage caused by natural disaster, pest diseases,...? -----
      1 2 <NA>
3 7540 1856
--- 110 : m3c1 : Has anyone in your HH visited medical establishment... -----
      1 2
7501 1898

```

6. Household Summary Data File of TTCHUNG

6.1 Estimated mean value of each numerical variable in TTCHUNG.

```
> d<-lss2010[[37]]
> t<-apply(d[, 1:118], 2, function(x) weighted.mean(x, d$wt))
> t2<-var.names[37][[1]][1:118]
> t3<-data.frame(variable=names(t), value=round(t, 2), label=t2, row.names=NULL)
> t3
```

	variable	value	label
1	tin	50.42	Province
2	huyen	512.36	District
3	xa	18625.54	Commune
4	diaban	11.61	Enumerator area
5	hoso	14.56	Household code
6	quyen	1.00	Income/Income & Expenditure
7	tsphieu	1.00	T 誒 g s¥xe8 phi 1 u
8	ttnt	1.69	Urban/Rural
9	dantoc	1.94	Household head's ethnicity
10	phdich	1.97	Interpretation
11	dtv	17.64	Surveyor's ID code
12	dt	10.13	Team leader' ID code
13	ngaydt	15.40	Date of survey
14	thangdt	9.28	Month of survey
15	tsnguai	3.87	Hosehold size
16	m1b1	1.90	Is there any a servant, home worker, lodger or house sharer?
17	tsmuc1b	NA	Total number of home worker
18	m2act	3256.61	Total Quest11k And Quest 14
19	m2atn	114.74	2TN. C 駢 g c ㄅ u 12 v ㄛ 13 (q.xanh)
20	m2btn	NA	Total Quest 12 and Quest 13
21	m4atn1	23352.91	Total of Q11-section 4A
22	m4atn2	2819.00	Total of Q12a and 12b-section 4A
23	m4atn3	1219.14	Total of Q23-section 4A
24	m4atn4	45.76	Total of Q24a and 24b section 4A
25	m4atn5	203.31	Total of Q26 section 4A

26	m4atn6	2968.05	Total of Q28 section 4A
27	m4atn	30608.17	Total income from wages
28	m4b21a	1.56	Raised livestock in past 12 month?
29	m4b21b	NA	Was the damage caused by natural disaster, pest diseases,...?
30	m4b21t	10187.55	Total of question 5 from line 1 to 18
31	kydt	1.99	Ky dieu tra
32	m4b0c1	1.37	Used or managed land for agri&forestry or water surface aquaculture
33	m4b0tn	183.74	Total of Q5-section 4B0
34	m4b1a	1.42	Harvested any products from planting activities in past 12 month?
35	m4b1b	NA	Was the damage caused by natural disaster, pest diseases,...?
36	m4b11t	7091.34	Total of Q8 section 4B1.1
37	m4b12t	2664.81	Total of Q7 section 4B1.2
38	m4b13t	3951.61	Total of Q7 section 4B1.3
39	m4b14t	1171.96	Total of Q7 section 4B1.4
40	tongthu_01	110420.86	Total of household revenue
41	tongthu_02	114.74	Income from subsidies,scholarship
42	tongthu_03	623.36	Income from health subsidies
43	tongthu_04	30608.17	Income from wage
44	tongthu_05	183.74	Revenue from renting out agricultural and forestry land and water surface
45	tongthu_06	15087.20	Revenue from crop
46	tongthu_07	10187.55	Revenue from husbandry
47	tongthu_08	32.20	Revenue from hunting, trapping and domestication
48	tongthu_09	507.72	Revenue from agricultural services
49	tongthu_10	559.75	Revenue from forestry
50	tongthu_11	4253.12	Revenue from aquaculture
51	tongthu_12	38391.41	Other income
52	tongthu_13	9140.97	Other revenues included in incomes
53	tongthu_14	730.93	Revenues from renting out house(s) and residential land
54	m4b22t	32.20	Question 5 line 19
55	m4b21c	6955.18	Total of quest 19 from line 1 to 10
56	m4b22c	3.33	Quest 19 line 11
57	m4b31a	1.98	Agricul. services in past 12 months?
58	m4b31b	NA	Was the damage caused by natural disaster, pest diseases,...?
59	m4b3t	507.72	Total revenue from Agri Services
60	m4b3c	267.37	Total expense on Agri Services
61	m4b41a	1.82	Revenue from forestry activities?

62	m4b41b	NA	Was the damage caused by natural disaster, pest diseases,...?
63	m4b4t	559.75	Total revenue from Forestry
64	m4b4c	82.15	Total expense on Forestry
65	chisxkd_1	38100.54	Expenditure on business
66	chisxkd_2	6016.90	Expenditure on crops
67	chisxkd_3	6955.18	Expenditure on livestock
68	chisxkd_4	3.33	Expenditure on hunting, trapping..
69	chisxkd_5	267.37	Expenditure on agricultural services
70	chisxkd_6	82.15	Expenditure on forestry
71	chisxkd_7	2677.02	Expenditure on aquaculture
72	chisxkd_8	22098.59	Expenditure on non-farm business
73	thunhap	72320.32	Total Income
74	thubq	1675.63	income per capita per month
75	chikhac_1	3256.61	Expenditure on education
76	chikhac_2	2947.56	Expenditure on health
77	chikhac_3	2034.69	Expenditure on foods and drinks during holidays
78	chikhac_4	2184.11	Daily expenditure on foods and drinks
79	chikhac_5	677.00	Daily expenditure on non-food
80	chikhac_6	5026.68	Yearly Non-food expenditure
81	chikhac_7	3446.31	Other expenditure considered as consumption
82	chikhac_8	5439.14	Expenditures on durables over the past 12 month
83	chikhac_9	2381.36	Recurrent expenditures on housing, electricity, water, and daily life waste
84	m4b5c1a	1.82	Aquatic activities in past 12 months?
85	m4b5c1b	NA	Was the damage caused by natural disaster, pest diseases,...?
86	m4b5t	4253.12	Total revenue from Aquaculture
87	m4b5c	2677.02	Total expense on Aquaculture
88	m4c1	1.65	Non-farm activities?
89	m4ctt	39045.43	Total revenue from non-farm
90	m4ct	38391.41	Total revenue belongs to household
91	m4cct	22441.41	Total expense on non-farm
92	m4cc	22098.59	Total expense on non-farm allocated for HH
93	m4dtn	9140.97	Income from other sources
94	m5a1ct	2034.69	Total of Q4 and Q5 section 5A1
95	m5a1c4	1699.08	Total of Q2B section 5A1
96	m5a1c5	335.61	Total of Q3B section 5A1
97	m5a2ct	2184.11	Total of Q2B from code 101 to 154 section 5A2

98	m5a2c6	1889.46	Total of 3B from code 101 to code 154 section 5A2
99	m5a2c7	261.81	Total of 4B from code 101 to code 154 section 5A2
100	m5a2c8	32.83	Total of 5B from code 101 to code 154 section 5A2
101	m5b1ct	677.00	Total of Q2 section 5B1
102	m5b1c6	626.56	Total of Q3 section 5B1
103	m5b1c7	45.70	Total of Q4 section 5B1
104	m5b1c8	4.73	Total of Q5 section 5B1
105	m5b2ct	5026.68	Total of Q4 and Q5 section 5B2
106	m5b2c4	4858.27	Total of Q2 section 5B2
107	m5b2c5	168.41	Total of Q3 section 5B2
108	m5b3ct	3446.31	Total of Q2 section 5B3
109	m6c7	5439.14	Total of Q5 section 6
110	m3c1	1.21	Has anyone in your HH visited medical establishment...
111	m3ct1	1110.71	Total of Q5 section 3
112	m3ct2	1097.99	Total of Q6 section 3
113	m3ct3	166.47	Total of Q11 section 3
114	m3ct	2947.56	healthcare expenditures
115	m3tn	623.36	Total of Q15 section 3
116	m4b15t	207.48	Total of Q5 section 4B1.5
117	m4b1t	15087.20	Total revenues from crops
118	m4b1c	6016.90	Total cost of crops

6.2 Operational definition of variables of TTCHUNG

Data file TTCHUNG is the household-level summary data, which derived from various data files.

The next table compiled by the author shows the operational definitions of each variable.

If “yes” in the last column, the definition described in the fourth column hold for the data set provided.

No	Variable name	Description	Operational definition	Data file	Confirmed from data
1	tin	Province			
2	huyen	District			
3	xa	Commune			
4	diaban	Enumerator area			
5	hoso	Household code			
6	quyen	Income/Income & Expenditure			
7	tsphieu	Questionnaire			
8	ttnt	Urban/Rural			
9	dantoc	Household head's ethnicity			
10	phdich	Interpretation			
11	dtv	Surveyor's ID code			
12	dt	Team leader' ID code			
13	ngaydt	Surveyed date			
14	thangdt	Surveyed month			
15	tsngui	Household size			
16	m1b1	Having domestic help or migrant labourers?			
17	tsmuc1b	Number of domestic help or migrant labourers			
18	m2act	Sum of questions 11k and 14 in Section 2: Education	= sum (m2c11k + m2c14)	muc2	Yes
19	m2atn	Sum of questions 12 and 13 in Section 2: Education (Green questionnaire)	= sum (m2c12 + m2c13)	muc2	Yes
20	m2btn	Sum of questions 12 and 13 in Section 2: Education (Yellow questionnaire)			
21	m4atn1	Total of Q11-section 4A			
22	m4atn2	Total of Q12 a,b-section 4A			
23	m4atn3	Total of Q23-section 4A			
24	m4atn4	Total of Q24a,b-section 4A			
25	m4atn5	Total of Q26-section 4A			
26	m4atn6	Total of Q28a,b,c,d,e-section 4A			
27	m4atn	Total income from wages, including bonus, subsidy	= sum of m4ac11, m4ac12a, m4ac12b, m4ac23, m4ac24a, m4ac24b, m4ac26, m4ac28a, m4ac28b, m4ac28c, m4ac28d, m4ac28e	muc4a	Yes

28	m4b21a	Raised livestock in past 12 month?			
29	m4b21b	Due to dissater affecting to production			
30	m4b21t	4B21T. Sum of Q5, from rows 1 to 18 (revenue from livestock)	= sum of m4b21c5 with m4b21ma <=18	muc4b21	Yes
31	kydt	Surveyed period			
32	m4b0c1	Used or managed farm land, forestry land or aquaculture surface water over the last 12 months			
33	m4b0tn	4BOTN. Sum of Qestion 5	= sum of m4b0c5	muc4b0	Yes
34	m4b1a	Harvested any products from cultivation over the last 12 months?			
35	m4b1b	Any impacts of natural disasters, diseases, etc. which have caused loss in production			
36	m4b11t	4B11T. Sum of Question 8	= sum of m4b11c8	muc4b11	Yes
37	m4b12t	4B12T. Sum of Question 7	= sum of m4b12c7	muc4b12	Yes
38	m4b13t	4B13T. Sum of Question 7	= sum of m4b13c7	muc4b13	Yes
39	m4b14t	4B14T. Sum of Question 7	= sum of m4b14c7	muc4b14	Yes
40	tongthu_01	Total of household REVENUE	= sum of tongthu_02 to tongthu_14 (41-53)		Yes
41	tongthu_02	Income from subsidies,scholarship	=m2atn (19)		Yes
42	tongthu_03	Income from health subsidies	=m3tn (115)		Yes
43	tongthu_04	Income from wage	=m4atn (27)		Yes
44	tongthu_05	revenue from crops	=m4b0tn (33)		Yes
45	tongthu_06	Revenue from livestock	=m4b1t (117)		Yes
46	tongthu_07	Revenue from Agricultural Services	=m4b21t (30)		Yes
47	tongthu_08	Revenue from hunting, trapping	=m4b22t (54)		Yes
48	tongthu_09	Revenue from forestry	=m4b3t (59)		Yes
49	tongthu_10	Revenue from aquaculture	=m4b4t (63)		Yes
50	tongthu_11	Revenue from non-farm business	=m4b5t (86)		Yes
51	tongthu_12	Other income	=m4ct (90)		Yes
52	tongthu_13	Other money received, not considered as income	=m4dtn (93)		Yes
53	tongthu_14	Income from house and land renting out	=m7c12	muc7	Yes
54	m4b22t	4B22T. Sum of Q5, row 19 (revenue from hunting)	= m4b21c5 with m4b21ma=19	muc4b21	Yes
55	m4b21c	4B21C. Sum of Q19, from rows 1 to 10 (cost of husbandry)	= m4b22c19 with m4b22ma<=10	muc4b22	Yes
56	m4b22c	4B22C. Sum of Q19, row 11 (cost of hunting)	= m4b22c19 with m4b22ma=11	muc4b22	Yes
57	m4b31a	owned machines, equipment and tools for agricultural services over the last 12 months?			
58	m4b31b	natural disasters and epidemics... damaged production			=
59	m4b3t	4B3T. Sum of Q5 (revenue from agricultural services)	= sum of m4b31c5	muc4b32	Yes

60	m4b3c	4B3C. Sum of Q17 (cost of agricultural services)	= sum of m4b32c17	muc4b32	Yes
61	m4b41a	earned revenues from planting/management/protection/attending of forests, breeding forest trees,			
62	m4b41b	natural disasters, epidemics, ... damaged production?			
63	m4b4t	4B4T. Sum of Q3f (revenue from forestry)	= sum of m4b41c3f	muc4b41	Yes
64	m4b4c	4B4C. Sum of Q14 (cost of forestry)	= sum of m4b42c14	muc4b42	Yes
65	chisxkd_1	Expenditure on business (TOTAL COST)	= sum of chisxkd_2 to chisxkd_8		Yes
66	chisxkd_2	Expenditure on crops	=m4b1c (118)		Yes
67	chisxkd_3	Expenditure on livestock	=m4b21c (55)		Yes
68	chisxkd_4	Expenditure on agricultural services	=m4b22c (56)		Yes
69	chisxkd_5	Expenditure on hunting, trapping..	=m4b3c (60)		Yes
70	chisxkd_6	Expenditure on forestry	=m4b4c (64)		Yes
71	chisxkd_7	Expenditure on aquaculture	=m4b5c (87)		Yes
72	chisxkd_8	Expenditure on non-farm business	=m4cc (92)		Yes
73	thunhap	(Yearly) Income	= tongthu_01 (40) – chisxkd_1 (65)		Yes
74	thubq	(Yearly) Income per capita			
75	chikhac_1	Expenditure on education	=m2act (18)		Yes
76	chikhac_2	Expenditure on health	=m3ct (114)		Yes
77	chikhac_3	Expenditure on holiday food	=m5a1ct (94)		Yes
78	chikhac_4	Expenditure on daily food	=m5a2ct (97)		Yes
79	chikhac_5	Expenditure on daily non-food	=m5b1ct (101)		Yes
80	chikhac_6	Expenditure on yearly non-food	=m5b2ct (105)		Yes
81	chikhac_7	Expenditure on other	=m5b3ct (108)		Yes
82	chikhac_8	Expenditure on durables	=m6c7 (109)		Yes
83	chikhac_9	Expenditure on housing	= sum (m7c7 + m7c13 + m7c16 + m7c20 + m7c22)	muc7	Yes
84	m4b5c1a	household kept, bred fish, shrimps or other aquatic products;			
85	m4b5c1b	natural disasters, epidemics, ... damaged production?			
86	m4b5t	4B5T. Sum of Q5 (revenue from aquaculture)	= sum of m4b51c5	muc4b51	Yes
87	m4b5c	4b5c. Sum for Q19 (costs of aquaculture)	= sum of m4b52c19	uc4b52	Yes
88	m4c1	any activities of your own production and business, non-agricultural, forestry and aquaculture services; processing of agricultural, forestry and aquatic products over the past 12 months?			
89	m4ctt	4CTT. Total revenue from activities (sum of Q17)			
90	m4ct	4CT. Total revenue from activities divided by households (sum of Q18)	= sum of m4c1c18	muc4c1	Yes
91	m4cct	4CCT. Total cost of activities (sum of Q32)			

92	m4cc	4CC. Total revenue from activities divided by households (sum of Q33)	= sum of m4c2c33	muc4c2	Yes
93	m4dtn	4DTN. Sum of Q2 items (other revenues)	= sum of m4dc2_01, m4dc2_06, and m4dc2_11 to m4dc2_20	muc4d	Yes
94	m5a1ct	5A1CT. Sum (Q4-5)	= m5a1c4 (95) + m5a1c5 (96)		Yes
95	m5a1c4	4. Sum of Q2B (Codes from 101-154)	= sum of m5a1c2b	muc5a1	Yes
96	m5a1c5	5. Sum of Q 3B (Codes from 101-154)	= sum of m5a1c3b	muc5a1	Yes
97	m5a2ct	5a2ct. Sum for question 2b (Codes from 101-154)	= m5a2c6 (98) + m5a2c7 (99) + m5a2c8 (100) = sum of m5a2c2b	muc5a2	Yes
98	m5a2c6	6.Sum for Q3b (Codes from 101-154)	= sum of m5a2c3b	muc5a2	Yes
99	m5a2c7	7.Sum for Q4b (Codes from 101-154)	= sum of m5a2c4b	muc5a2	Yes
100	m5a2c8	8.Sum for Q5b (Codes from 101-154)	= sum of m5a2c5b	muc5a2	Yes
101	m5b1ct	5b1ct. Sum for Q2 (Codes from 201-228)	= m5b1c6 (102) + m5b1c7 (103) + m5b1c8 (104) = sum of m5b1c2	muc5b1	Yes
102	m5b1c6	6. Sum for Q3 (Codes 201-228)	= sum of m5b1c3	muc5b1	Yes
103	m5b1c7	7.Sum for Q4 (Codes 201-228)	= sum of m5b1c4	muc5b1	Yes
104	m5b1c8	8.Sum for Q5 (Codes 201-228)	= sum of m5b1c5	muc5b1	Yes
105	m5b2ct	5b2ct. Sum (Q4-5)	= m5b2c4 (106) + m5b2c5 (107)		Yes
106	m5b2c4	4.Sum for Q 2	= sum of m5b2c2	muc5b2	Yes
107	m5b2c5	5. Sum for Q 3	= sum of m5b2c3	muc5b2	Yes
108	m5b3ct	5b3ct . Sum for question 2	= sum (m5b3c2_1 to m5b3c2_9)	muc5b3	Yes
109	m6c7	7. Sum for question 5, Section 6	= sum of m6c5	muc6b	
110	m3c1	household visited medical establishments or had home visits by physicians for check-ups and treatment over the last 12 months? Section 3			
111	m3ct1	3ct1. Sum for Q5, Section 3			
112	m3ct2	3ct2. Sum for Q6, Section 3			
113	m3ct3	3ct3. Sum for Q11, Section 3			
114	m3ct	3ct. Healthcare expenditures (3ct1 + 3ct2 + 3ct3 + Q13 + Q14)	= sum (m3c5b + m3c6b) + sum (m3c11 + m3c13 + m3c14)	muc3a muc3b	Yes
115	m3tn	3tn. Sum for Q15	= sum of m3c15	muc3b	Yes
116	m4b15t	4B15T. Sum of Q5, Section 4	= sum of m4b15c5	muc4b15	Yes
117	m4b1t	4B1T. Total revenues from crop production (4B11T+4B12T+4B13T+4B14T+4B15T)	= m4b11t (36) + m4b12t (37) + m4b13t (38) + m4b14t (39) + m4b15t (116)		Yes
118	m4b1c	Total costs of crop production (Sum of Q2e)	= sum of m4b16c2e	muc4b16	Yes

6.3 R scripts for verifying the contents of TTCHUNG

- Consistency check of INCOME-related variables in ttchung

□ REVENUE-related variables

37 ttchung

```
> d<-lss2010[[37]]
```

```
> dim(d)
```

```
[1] 9399 121
```

```
#####
```

Education subsidies

No. 41 = 19

```
> table(d$tongthu_02==d$m2atn)
```

```
TRUE
```

```
9399
```

4 muc2 Education

```
> df<-lss2010[[04]]
```

```
> dim(df)
```

```
[1] 36999 38
```

```
# m2c12: funds received from organizations that provide aid in education (12M)
```

```
# m2c13: values of scholarships and rewards received (12M)
```

```
> t<-tapply(df$m2c12+df$m2c13, df$ID, sum, na.rm=T)
```

```
> length(t)
```

```
[1] 9399
```

No. 19

```
> table(abs(d$m2atn-t)<=2, useNA="ifany")
```

```
TRUE
```

```
9399
```

```
#####
```

Health subsidies

No. 42 = 115

```
> table(d$tongthu_03==d$m3tn)
```

```
TRUE
```

```
9399
```

6 muc3b Health

```
> df<-lss2010[[06]]
```

```
> dim(df)
```

```
[1] 36999    19
```

m3c15: aid received in cash and kind for members who are sick/injured/contracts a disease (12M)

```
> t<-tapply(df$m3c15, df$ID, sum, na.rm=T)
```

```
> length(t)
```

```
[1] 9399
```

No. 115

```
> table(abs(d$m3tn-t)<1, useNA="ifany")
```

```
TRUE
```

```
9399
```

```
#####
```

Wage

No. 43 = 27

```
> table(d$tongthu_04==d$m4atn)
```

```
TRUE
```

```
9399
```

7 muc4a Wage

```
> df<-lss2010[[07]]
> dim(df)
[1] 36999    57
> colnames(df)
[1] "tin"      "huyen"    "xa"       "diaban"   "hoso"     "matv"     "m4ac1a"
[8] "m4ac1b"   "m4ac1c"   "m4ac2"    "m4ac3a"   "m4ac3m"   "m4ac3"    "m4ac4c"
[15] "m4ac4m"   "m4ac4"    "m4ac5"    "m4ac6"    "m4ac7"    "m4ac8a"   "m4ac8b"
[22] "m4ac9"    "m4ac10"   "m4ac11"   "m4ac12a"  "m4ac12b"  "m4ac13a"  "m4ac13b"
[29] "m4ac13c"  "m4ac14"   "m4ac15a"  "m4ac15m"  "m4ac15"   "m4ac16c"  "m4ac16m"
[36] "m4ac16"   "m4ac17"   "m4ac18"   "m4ac19"   "m4ac20"   "m4ac21"   "m4ac22"
[43] "m4ac23"   "m4ac24a"  "m4ac24b"  "m4ac25"   "m4ac26"   "m4ac27"   "m4ac28a"
[50] "m4ac28b"  "m4ac28c"  "m4ac28d"  "m4ac28e"  "ID"       "wt"       "eaid"
[57] "PID"
```

```
# Collapsed df by ID
```

```
# Generated function CollapseBy
```

```
> CollapseBy<-function(df, hhidno, colno) {
+ y<-data.frame(id=unique(df[, hhidno]), row.names=NULL)
+ for(j in colno) {
+ t<-aggregate(df[, j], list(df[, hhidno]), sum, na.rm=T)
+ colnames(t)<-c("id", colnames(df)[j])
+ y<-merge(y, t, by="id", all.x=T)
+ }
+ return (y)
+ }
```

```
> hh.wage<-CollapseBy(df, 54, c(24:26, 43:45, 47, 49:53))
```

```
> dim(hh.wage)
```

```
[1] 9399    13
```

```
> head(hh.wage)
```

	id	m4ac11	m4ac12a	m4ac12b	m4ac23	m4ac24a	m4ac24b	m4ac26
1	ID01001000041213	73716	2835	1890	0	0	0	0
2	ID01001000041214	159870	2855	0	0	0	0	0
3	ID01001000041215	148469	7614	1904	0	0	0	0
4	ID01001000072213	79965	4760	1904	0	0	0	0

```

5 ID01001000072215 56712 18904 11342 0 0 0 0
6 ID01001000072220 102065 12285 14742 0 0 0 0

```

```

m4ac28a m4ac28b m4ac28c m4ac28d m4ac28e

```

```

1 0 0 0 0 0
2 0 0 63948 0 0
3 0 0 105071 0 0
4 0 0 53691 0 0
5 0 0 22685 0 0
6 0 0 21641 0 0

```

```

> hh.wage$wage<-rowSums(hh.wage[, -1])

```

```

> head(hh.wage)

```

```

      id m4ac11 m4ac12a m4ac12b m4ac23 m4ac24a m4ac24b m4ac26
1 ID01001000041213 73716 2835 1890 0 0 0 0
2 ID01001000041214 159870 2855 0 0 0 0 0
3 ID01001000041215 148469 7614 1904 0 0 0 0
4 ID01001000072213 79965 4760 1904 0 0 0 0
5 ID01001000072215 56712 18904 11342 0 0 0 0
6 ID01001000072220 102065 12285 14742 0 0 0 0
      m4ac28a m4ac28b m4ac28c m4ac28d m4ac28e wage
1 0 0 0 0 0 78441
2 0 0 63948 0 0 226673
3 0 0 105071 0 0 263058
4 0 0 53691 0 0 140320
5 0 0 22685 0 0 109643
6 0 0 21641 0 0 150733

```

No. 27

```

> table(abs(d$m4atn - hh.wage$wage)<=4)

```

```

TRUE

```

```

9399

```

```

#####
# Renting agricultural land

```

No. 44 = 33

```

> table(d$tongthu_05==d$m4b0tn)

```

```

TRUE

```

9399

8 muc4b0 farm land

m4b05c: amount obtained from land rental

```
> CollapseBy<-function(df, hhidno, colno) {
+ y<-data.frame(unique(df[, hhidno]), row.names=NULL)
+ colnames(y)<-colnames(df)[hhidno]
+ for(j in colno) {
+ t<-aggregate(df[, j], list(df[, hhidno]), sum, na.rm=T)
+ colnames(t)<-c(colnames(df)[hhidno], colnames(df)[j])
+ y<-merge(y, t, by=colnames(df)[hhidno], all.x=T)
+ }
+ return (y)
+ }
```

```
> df<-lss2010[[08]]
> hh.landrent<-CollapseBy(df, 10, 9)
> dim(hh.landrent)
[1] 6269    2
> head(hh.landrent[hh.landrent$m4b0c5>0,])
      ID m4b0c5
28 ID01017004841115    993
36 ID01018005531413    136
37 ID01018005531415    142
38 ID01018005531419    181
55 ID01250089800213    425
95 ID01273098050914   5420
```

No. 33

```
> d<-merge(d, hh.landrent, by="ID", all.x=T)
> d[is.na(d)]<-0
> table(abs(d$m4b0tn-d$m4b0c5)<2)
TRUE
9399
```

```
#####
# Revenue from crop
```

No. 45 = 117

```
> table(d$tongthu_06==d$m4b1t)
TRUE
9399
```

No. 117 = sum of 36:39, 116

```
> table(abs(d$m4b1t-(d$m4b11t+d$m4b12t+d$m4b13t+d$m4b14t+d$m4b15t))<=2)
```

TRUE
9399

No	Data file	Variable of revenue	Variable at hh level	Variable in ttchung
9	muc4b11	m4b11c8	hh4B11T	m4b11t
10	muc4b12	m4b12c7	hh4B12T	m4b12t
11	muc4b13	m4b13c7	hh4B13T	m4b13t
12	muc4b14	m4b14c7	hh4B14T	m4b14t
13	muc4b15	m4b15c5	hh4B15T	m4b15t
Total			hh4B1T	m4b1t

Remarks:

According to the Users' Manual of VHLSS 2006, m4b11t is the sum of m4b11c8 with rice code (m4b11ma) = 5, 6 and 7 within hh.

```
> df<-data.frame(ID=lss2010[[37]][, "ID"])
> dim(df)
[1] 9399    1

> d<-lss2010[[9]] # rice
> dd<-subset(d, ID=="ID01004001480614")
> dim(dd)
[1] 3 15
> dd
  tinh huyen xa diaban hoso m4b11ma m4b11c3 m4b11c4 m4b11c5 m4b11c6 m4b11c7
1      1      4 148      6 14      1 2160    1100      0      0      NA
2      1      4 148      6 14      5 4320    2100      0      0      NA
3      1      4 148      6 14      3 2160    1000      0      0      NA
  m4b11c8      ID wt      eaid
1    6238 ID01004001480614 4088 010040014806
2   11909 ID01004001480614 4088 010040014806
3    5671 ID01004001480614 4088 010040014806

> d<-subset(d, m4b11ma=5|m4b11ma=6|m4b11ma=7)
> d<-subset(d, m4b11ma==5|m4b11ma==6|m4b11ma==7)
> dd<-subset(d, ID=="ID01004001480614")
> dim(dd)
[1] 1 15
> dd
  tinh huyen xa diaban hoso m4b11ma m4b11c3 m4b11c4 m4b11c5 m4b11c6 m4b11c7
2      1      4 148      6 14      5 4320    2100      0      0      NA
  m4b11c8      ID wt      eaid
2   11909 ID01004001480614 4088 010040014806

> t<-aggregate(d$m4b11c8, list(d$ID), sum, na.rm=T)
```

```

> colnames(t)<-c("ID", "hh4B11T")
> df<-merge(df, t, by="ID", all.x=T)

> d<-lss2010[[10]]
> t<-aggregate(d$m4b12c7, list(d$ID), sum, na.rm=T)
> colnames(t)<-c("ID", "hh4B12T")
> df<-merge(df, t, by="ID", all.x=T)

> d<-lss2010[[11]]
> t<-aggregate(d$m4b13c7, list(d$ID), sum, na.rm=T)
> colnames(t)<-c("ID", "hh4B13T")
> df<-merge(df, t, by="ID", all.x=T)

> d<-lss2010[[12]]
> t<-aggregate(d$m4b14c7, list(d$ID), sum, na.rm=T)
> colnames(t)<-c("ID", "hh4B14T")
> df<-merge(df, t, by="ID", all.x=T)

> d<-lss2010[[13]]
> t<-aggregate(d$m4b15c5, list(d$ID), sum, na.rm=T)
> colnames(t)<-c("ID", "hh4B15T")
> df<-merge(df, t, by="ID", all.x=T)

> dim(df)
[1] 9399    6
> df[is.na(df)]<-0
> df$hh4B1T<-rowSums(df[, -1])
> head(df[df$hh4B1T>0, ])
      ID hh4B11T hh4B12T hh4B13T hh4B14T hh4B15T hh4B1T
53  ID01004001480614  11909      0      0      0      0 11909
54  ID01004001480615   2801  21035   662      0      0 24498
148 ID01016003821013   8821  11640   680   369   350 21860
149 ID01016003821014   1915      0      0      0      0  1915
150 ID01016003821015   6292   372      0   135   136 6935
154 ID01016004061913   2238   669   506      0      0  3413

# Appended d$m4b1t from ttchung
> d<-lss2010[[37]]
> table(d$ID==df$ID)
TRUE
9399
> df$m4b1t<-d$m4b1t
> head(df[df$hh4B1T>0, ])
      ID hh4B11T hh4B12T hh4B13T hh4B14T hh4B15T hh4B1T m4b1t
53  ID01004001480614  11909      0      0      0      0 11909 11909
54  ID01004001480615   2801  21035   662      0      0 24498 24499
148 ID01016003821013   8821  11640   680   369   350 21860 21861
149 ID01016003821014   1915      0      0      0      0  1915  1915
150 ID01016003821015   6292   372      0   135   136 6935 6935
154 ID01016004061913   2238   669   506      0      0  3413  3412

```

```
> table(df$hh4B1T==df$m4b1t)
FALSE  TRUE
 2198   7201
> table(abs(df$hh4B1T-df$m4b1t)<=5)
TRUE
9399
```

```
> hhcrop<-df
```

```
#####
```

```
# Revenue from livestock
```

```
No. 46 = 30
```

```
> table(d$tongthu_07==d$m4b21t)
TRUE
9399
```

```
# 16 muc4b21 Livestock
```

```
> df<-lss2010[[16]]
```

```
> dim(df)
```

```
[1] 12967    13
```

```
> head(df)
```

	tin	huyen	xa	diaban	hosu	m4b21ma	m4b21c3	m4b21c4a	m4b21c4b	m4b21c5
1	1	16	382	10	13	5	210	125	7088	11908
2	1	16	382	10	13	1	3200	3200	76208	76208
3	1	16	382	10	15	5	10	0	NA	587
4	1	16	397	2	14	5	40	0	NA	2269
5	1	16	397	2	14	12	50	0	NA	95
6	1	16	397	2	19	15	50	50	4725	4725

	ID	wt	ea	id
1	ID01016003821013	4425	010160038210	
2	ID01016003821013	4425	010160038210	
3	ID01016003821015	4425	010160038210	
4	ID01016003970214	4581	010160039702	
5	ID01016003970214	4581	010160039702	
6	ID01016003970219	4581	010160039702	

```
> df<-subset(df, m4b21ma<=18)
```

```
> dim(df)
```

```
[1] 12844    13
```

```
> hhlivestock<-CollapseBy(df, 11, 10)
```

```
> head(hhlivestock)
```

	ID	m4b21c5
1	ID01016003821013	88116
2	ID01016003821015	587
3	ID01016003970214	2364
4	ID01016003970219	13585
5	ID01016004061913	4379
6	ID01016004061915	7398

```
> dim(hhlivestock)
[1] 4481    2
> d<-merge(d, hhlivestock, by="ID", all.x=T)
> d[is.na(d)]<-0
```

No. 30

```
> table(abs(d$m4b21c5-d$m4b21t)<=2)
TRUE
9399
```

```
#####
# Revenue from hunting
```

No. 47 = 54

```
> table(d$tongthu_08==d$m4b22t)
TRUE
9399
```

```
# 16 muc4b21 Livestock/hunting
> df<-lss2010[[16]]
> df<-subset(df, m4b21ma==19)
> dim(df)
[1] 123  13
> sum(duplicated(df$ID))
[1] 0
> df<-merge(d[, c("ID", "m4b22t")], df, by="ID", all.y=T)
> dim(df)
[1] 123  14
```

No. 54

```
> table(df$m4b22t==df$m4b21c5)
TRUE
123
```

```
#####
# Revenue from agricultural services
```

No. 48 = 59

```
> table(d$tongthu_09==d$m4b3t)
TRUE
9399
```

```
# 19 muc4b32 Agricultural services
> df<-lss2010[[18]]
> dim(df)
```

```

[1] 200 12
> sum(duplicated(df$ID))
[1] 27
> df<-CollapseBy(df, 10, 9)
> dim(df)
[1] 173 2
> df<-merge(d[, c("ID", "m4b3t")], df, by="ID", all.y=T)
> dim(df)
[1] 173 3
> head(df)

```

	ID	m4b3t	m4b31c5
1	ID01016003821013	11340	11340
2	ID01275098951614	63243	63243
3	ID01275099460313	7591	7591
4	ID01282104921013	3793	3793
5	ID04047014890114	6192	6192
6	ID04051016691413	12840	12840

No. 59

```

> table(abs(df$m4b3t-df$m4b31c5)<2)
TRUE
173

```

```

#####
# Revenue from forestry

```

No. 49 = 63

```

> table(d$tongthu_10==d$m4b4t)
TRUE
9399

```

20 muc4b41 forestry

```

> df<-lss2010[[20]]
> dim(df)
[1] 3504 16
> hhforestry<-CollapseBy(df, 14, 12)
> dim(hhforestry)
[1] 2110 2
> head(hhforestry)

```

	ID	m4b41c3f
1	ID01275049390619	1175
2	ID02026007300213	2076
3	ID02026007300214	3552
4	ID02026007300215	2407
5	ID02026007390513	3811
6	ID02026007390514	3854

```
> df<-merge(d[,c("ID", "m4b4t")], hhforestry, by="ID", all.y=T)
> dim(df)
[1] 2110    3
```

No. 63

```
> table(abs(df$m4b4t-df$m4b41c3f)<=2)
TRUE
2110
```

```
#####
# Revenue from aquaculture
```

No. 50 = 86

```
> table(d$tongthu_11==d$m4b5t)
TRUE
9399
```

```
# 22 muc4b51 aquaculture
```

```
> df<-lss2010[[22]]
> dim(df)
[1] 2671    13
> table(df$m4b51ma)
  3   11   12   13   14   21   22   23
1 1073  225   35  152  716   91  378
```

```
# Confirmed that df does not include aquaculture code = 1 and 2.
```

```
> colnames(df)
[1] "tinh"      "huyen"      "xa"          "diaban"     "hoso"       "m4b51ma"
[7] "m4b51c3"   "m4b51c4a"   "m4b51c4b"   "m4b51c5"   "ID"         "wt"
[13] "eaid"
> hhaqua<-CollapseBy(df, 11, 10)
> dim(hhaqua)
[1] 1856    2
> head(hhaqua)
      ID m4b51c5
1 ID01016003970214    851
2 ID01016004182115   2675
3 ID01017004841115  18422
4 ID01269096040814   1807
5 ID01269096040815  13814
6 ID01271097060713   2170
> df<-merge(d[,c("ID", "m4b5t")], hhaqua, by="ID", all.y=T)
> dim(df)
[1] 1856    3
> table(abs(df$m4b5t-df$m4b51c5)<2)
TRUE
```

1856

#####

Non-farm Business

No. 51 = 90

> table(d\$tongthu_12==d\$m4ct)

TRUE

9399

24 muc4c1 business

> df<-lss2010[[24]]

> dim(df)

[1] 4007 26

> colnames(df)

[1] "tinh" "huyen" "xa" "diaban" "hoso" "m4c1ma" "m4c1c2"

[8] "m4c1c3" "m4c1c4" "m4c1c5" "m4c1c6" "m4c1c7" "m4c1c8" "m4c1c9"

[15] "m4c1c10" "m4c1c11" "m4c1c12" "m4c1c13" "m4c1c14" "m4c1c15" "m4c1c16"

[22] "m4c1c17" "m4c1c18" "ID" "wt" "eaid"

> hhbusiness<-CollapseBy(df, 24, 23)

> dim(hhbusiness)

[1] 3260 2

> df<-merge(d[, c("ID", "m4ct")], hhbusiness, by="ID", all.y=T)

> dim(df)

[1] 3260 3

No. 90

> table(abs(df\$m4ct-df\$m4c1c18)<2)

TRUE

3260

#####

Other revenue included in incomes

No. 52 = 93

> table(d\$tongthu_13==d\$m4dtn)

TRUE

9399

26 muc4d

> df<-lss2010[[26]]

> dim(df)

[1] 9399 32

> colnames(df)

[1] "tinh" "huyen" "xa" "diaban" "hoso" "m4dc2_01"

[7] "m4dc2_02" "m4dc2_03" "m4dc2_04" "m4dc2_05" "m4dc2_06" "m4dc2_07"

```
[13] "m4dc2_08" "m4dc2_09" "m4dc2_10" "m4dc2_11" "m4dc2_12" "m4dc2_13"
[19] "m4dc2_14" "m4dc2_15" "m4dc2_16" "m4dc2_17" "m4dc2_18" "m4dc2_19"
[25] "m4dc2_20" "m4dc2_21" "m4dc2_22" "m4dc2_23" "m4dc2_24" "ID"
[31] "wt"      "eaid"
```

Correspondences between variable names and other revenue codes

Code	Variable	
101	m4dc2_01	
1011	m4dc2_02	x
1012	m4dc2_03	x
1013	m4dc2_04	x
1014	m4dc2_05	x
102	m4dc2_06	
1021	m4dc2_07	x
1022	m4dc2_08	x
1023	m4dc2_09	x
1024	m4dc2_10	x
103	m4dc2_11	
104	m4dc2_12	
105	m4dc2_13	
106	m4dc2_14	
107	m4dc2_15	
108	m4dc2_16	
109	m4dc2_17	
110	m4dc2_18	
111	m4dc2_19	
112	m4dc2_20	

```
> df$total<-rowSums(df[,c(6, 11, 16:25)], na.rm=T)
```

No. 93

```
> table(abs(df$total-d$m4dtn)<2)
```

TRUE

9399

```
#####
# Revenue from renting out houses and residential land
```

No. 53 = m7c12 in 34 muc7

```
# 34 muc7 Housing
```

```
> df<-lss2010[[34]]
```

```
> dim(df)
```

```
[1] 9399 33
```

```
> table(d$ID==df$ID)
```

```
TRUE
9399
> df[is.na(df)]<-0
> table(d$longthu_14==df$m7c12)
TRUE
9399
```

□ COST-related variables

```
#####
# Total cost
```

```
No. 65 = 66:72
> table(abs(d$chisxkd_1-rowSums(d[, 66:72]))<=2)
TRUE
9399
```

```
#####
# Expenditure on crops
```

```
No. 66 = 118
> table(d$chisxkd_2==d$m4b1c)
TRUE
9399
```

```
# 14 muc4b16 cost of cultivation
> df<-lss2010[[14]]
> dim(df)
[1] 47482    16
> colnames(df)
[1] "tinh"      "huyen"      "xa"          "diaban"      "hoso"      "m4b16ma"
[7] "m4b16c2a"  "m4b16c2b"  "m4b16c2c"  "m4b16c2d"  "m4b16c2e"  "m4b16c2e1"
[13] "m4b16c2e2" "ID"         "wt"         "eaid"
> costcrop<-CollapseBy(df, 14, 11)
> dim(costcrop)
[1] 5733    2
> head(costcrop)
      ID m4b16c2e
1 ID01003000910613 11447
2 ID01004001480614  3893
3 ID01004001480615  2364
4 ID01016003821013  9340
5 ID01016003821014   955
6 ID01016003821015  2638
> df<-merge(d[, c("ID", "m4b1c")], costcrop, by="ID", all.y=T)
> dim(df)
[1] 5733    3
```

```
No. 118
> table(abs(df$m4b1c-df$m4b16c2e)<=4)
TRUE
5733
```

```
#####
```

```
# Expenditure of livestock
```

```
No. 67 = 55
```

```
> table(d$chisxkd_3==d$m4b21c)
```

```
TRUE
```

```
9399
```

```
# 17 muc4b22 costs of livestock
```

```
> df<-lss2010[[17]]
```

```
> dim(df)
```

```
[1] 8111 32
```

```
> table(df$m4b22ma)
```

```
 1    2    3    4    5    6    7    8    9   10   11
2167 528    4  42 3784 1008   31   30   16  394  107
```

```
> df<-subset(df, m4b22ma<=10)
```

```
> dim(df)
```

```
[1] 8004 32
```

```
> colnames(df)
```

```
[1] "tin"      "huyen"    "xa"       "diaban"   "hoso"     "m4b22ma"
[7] "m4b22c7"  "m4b22c8"  "m4b22c9"  "m4b22c10a" "m4b22c10b" "m4b22c10c"
[13] "m4b22c10d" "m4b22c10e" "m4b22c10f" "m4b22c10g" "m4b22c10h" "m4b22c10i"
[19] "m4b22c10j" "m4b22c10k" "m4b22c11"  "m4b22c12"  "m4b22c13"  "m4b22c14"
[25] "m4b22c15"  "m4b22c16"  "m4b22c17"  "m4b22c18"  "m4b22c19"  "ID"
[31] "wt"        "eaid"
```

```
> costlive<-CollapseBy(df, 30, 29)
```

```
> dim(costlive)
```

```
[1] 4483 2
```

```
> df<-merge(d[, c("ID", "m4b21c")], costlive, by="ID", all.y=T)
```

```
> dim(df)
```

```
[1] 4483 3
```

```
No. 55
```

```
> table(abs(df$m4b21c-df$m4b22c19)<=1)
```

```
TRUE
```

```
4483
```

```
#####
```

```
# Expenditure on hunting
```

```
No. 68 = 56
```

```
> table(d$chisxkd_4==d$m4b22c)
```

```
TRUE
```

```
9399
```

```
# 17 muc4b22 costs of livestock/hunting
```

```
> df<-lss2010[[17]]
```

```
> dim(df)
```

```
[1] 8111 32
> df<-subset(df, m4b22ma==11)
> dim(df)
[1] 107 32
> sum(duplicated(df$ID))
[1] 0
```

```
No. 56
> table(df$m4b22c==df$m4b22c19)
TRUE
107
```

```
#####
# Expenditure on agricultural services
```

```
No. 69 = 60
> table(d$chisxkd_5==d$m4b3c)
TRUE
9399
```

```
# 19 muc4b32 cost of agricultural service activities
> df<-lss2010[[19]]
> dim(df)
[1] 199 30
> sum(duplicated(df$ID))
[1] 27
> costagserv<-CollapseBy(df, 28, 27)
> dim(costagserv)
[1] 172 2
> df<-merge(d[, c("ID", "m4b3c")], costagserv, by="ID", all.y=T)
```

```
No. 60
> table(abs(df$m4b3c-df$m4b32c17)<2)
TRUE
172
```

```
#####
# Expenditure on forestry
```

```
No. 70 = 64
> table(d$chisxkd_6==d$m4b4c)
TRUE
9399
```

```
# 21 muc4b42 costs of forestry
> df<-lss2010[[21]]
```

```

> dim(df)
[1] 2119 33
> colnames(df)
[1] "tinh" "huyen" "xa" "diaban" "hoso"
[6] "m4b42ma" "m4b42c1" "m4b42c2" "m4b42c3" "m4b42c4a"
[11] "m4b42c4b" "m4b42c4c" "m4b42c4d" "m4b42c4e" "m4b42c4f"
[16] "m4b42c4g" "m4b42c4h" "m4b42c4i" "m4b42c4j" "m4b42c4k"
[21] "m4b42c5" "m4b42c6" "m4b42c7" "m4b42c8" "m4b42c9"
[26] "m4b42c10" "m4b42c11" "m4b42c12" "m4b42c13" "m4b42c14"
[31] "ID" "wt" "eaid"
> costforestry<-CollapseBy(df, 31, 30)
> dim(costforestry)
[1] 2069 2
> df<-merge(d[, c("ID", "m4b4c")], costforestry, by="ID", all.y=T)
> dim(df)
[1] 2069 3

```

No. 64

```

> table(abs(df$m4b4c-df$m4b42c14)<2)
TRUE
2069

```

```

#####
# Expenditure on aquaculture

```

No. 71 = 87

```

> table(d$chisxkd_7==d$m4b5c)
TRUE
9399

```

23 muc4b52 costs of aquaculture

```

> df<-lss2010[[23]]
> dim(df)
[1] 2013 33
> colnames(df)
[1] "tinh" "huyen" "xa" "diaban" "hoso"
[6] "m4b52ma" "m4b52c6" "m4b52c7" "m4b52c8" "m4b52c9a"
[11] "m4b52c9b" "m4b52c9c" "m4b52c9d" "m4b52c9e" "m4b52c9f"
[16] "m4b52c9g" "m4b52c9h" "m4b52c9i" "m4b52c9j" "m4b52c9k"
[21] "m4b52c10" "m4b52c11" "m4b52c12" "m4b52c13" "m4b52c14"
[26] "m4b52c15" "m4b52c16" "m4b52c17" "m4b52c18" "m4b52c19"
[31] "ID" "wt" "eaid"
> costaqua<-CollapseBy(df, 31, 30)
> dim(costaqua)
[1] 1852 2
> df<-merge(d[, c("ID", "m4b5c")], costaqua, by="ID", all.y=T)
> dim(df)
[1] 1852 3

```

No. 87

```
> table(abs(df$m4b5c-df$m4b52c19)<=1)
TRUE
1852
```

```
#####
# Expenditure on non-farm business
```

No. 72 = 92

```
> table(d$chisxkd_8==d$m4cc)
TRUE
9399
```

25 muc4c2 costs of business

```
> df<-lss2010[[25]]
> dim(df)
[1] 4007 35
> colnames(df)
[1] "tinh" "huyen" "xa" "diaban" "hoso"
[6] "m4c2ma" "m4c2c19" "m4c2c20" "m4c2c21a" "m4c2c21b"
[11] "m4c2c21c" "m4c2c21d" "m4c2c21e" "m4c2c21f" "m4c2c21g"
[16] "m4c2c21h" "m4c2c21i" "m4c2c21j" "m4c2c21k" "m4c2c22"
[21] "m4c2stt" "m4c2c23" "m4c2c24" "m4c2c25" "m4c2c26"
[26] "m4c2c27" "m4c2c28" "m4c2c29" "m4c2c30" "m4c2c31"
[31] "m4c2c32" "m4c2c33" "ID" "wt" "eaid"
> costbusiness<-CollapseBy(df, 33, 32)
> dim(costbusiness)
[1] 3260 2
> df<-merge(d[, c("ID", "m4cc")], costbusiness, by="ID", all.y=T)
> dim(df)
[1] 3260 3
```

No. 92

```
> table(abs(df$m4cc-df$m4c2c33)<=1)
TRUE
3260
```

```
#####
# Total income
```

No. 73 = 40 - 65

```
> table(d$thunhap==(d$tongthu_01-d$chisxkd_1))
TRUE
9399
```

● **Consistency check of CONSUMPTION-related variables in ttchung**

□ **CONSUMPTION-related variables in ttchung**

37 ttchung

```
> d<-lss2010[[37]]
> dim(d)
[1] 9399 121
```

```
#####
# Education
```

No. 75 = 18

```
> head(d[,c("ID", "chikhac_1", "m2act", "m2atn", "m2btn")])
      ID chikhac_1 m2act m2atn m2btn
1 ID1001000041213    24800 24800      0    NA
2 ID1001000041214      0      0      0    NA
3 ID1001000041215    10000 10000      0    NA
4 ID1001000072213    12500 12500      0    NA
5 ID1001000072215     7200  7200      0    NA
6 ID1001000072220     7800  7800     95    NA
```

```
> table(d$chikhac_1==d$m2act)
TRUE
9399
```

4 muc2 education

```
> df<-lss2010[[04]]
> dim(df)
[1] 36999 38
> colnames(df)
[1] "tin" "huyen" "xa" "diaban" "hoso" "matv" "m2c1" "m2c2a"
[9] "m2c2b" "m2c3" "m2c4" "m2c5" "m2c6" "m2c7" "m2c8" "m2c9"
[17] "m2c10a" "m2c10b" "m2c11a" "m2c11b" "m2c11c" "m2c11d" "m2c11e" "m2c11f"
[25] "m2c11g" "m2c11h" "m2c11i" "m2c11k" "m2c12" "m2c13" "m2c14" "m2c15a"
[33] "m2c15b" "m2c16" "ID" "wt" "eaid" "PID"
```

No. 18

```
> df[is.na(df)]<-0
> t<-aggregate(df$m2c11k+df$m2c14, list(df$ID), sum, na.rm=T)
> dim(t)
[1] 9399 2
> head(t)
      Group.1      x
1 ID1001000041213 24800
2 ID1001000041214      0
```

```

3 ID1001000041215 10000
4 ID1001000072213 12500
5 ID1001000072215 7200
6 ID1001000072220 7800
> colnames(t)<-c("ID", "m2ct")
> table(t$m2ct==d$m2act)
TRUE
9399
>

```

```

#####
# Health

```

No. 76 = 114

```

> head(d[, c("ID", "chikhac_2", "m3ct1", "m3ct2", "m3ct3", "m3ct", "m3tn")])
      ID chikhac_2 m3ct1 m3ct2 m3ct3 m3ct m3tn
1 ID1001000041213    1410  1300    0    0 1410    0
2 ID1001000041214     100    0    0    0  100    0
3 ID1001000041215     450   150    0    0  450    0
4 ID1001000072213     500    0    0   100  500    0
5 ID1001000072215     700   150    0    50  700    0
6 ID1001000072220    1200   650    0    50 1200    0

```

```

> table(d$chikhac_2==d$m3ct)
TRUE
9399

```

5 muc3a, 6 muc3b Health

5 muc3a healthcare

```

> df<-lss2010[[5]]
> dim(df)
[1] 19647 20
> colnames(df)
[1] "tin" "huyen" "xa" "diaban" "hoso" "matv" "m3c2" "m3c3a"
[9] "m3c3b" "m3c4" "m3c5a" "m3c5b" "m3c6a" "m3c6b" "m3c7" "m3c8"
[17] "ID" "wt" "eaid" "PID"

```

```

# m3c5b: costs for health checks/ non-resident treatment
# m3c6b: costs for resident treatment

```

Revised function CollapseBy

```

> CollapseBy<-function(df, hhid, cols, ID=NULL) {
+ # Version 2_20161217
+ # To aggregate variables assigned by cols in data frame df at hhid level
+ # df: data frame
+ # hhid: household variable

```

```

+ # cols: variables to be aggregated
+ # HHID: household id codes to be matched, or
+ #       unique(df$hhid) if not specified
+
+ if(is.numeric(hhid)) { hhid<-colnames(df)[hhid] }
+ if(is.numeric(cols)) { cols<-colnames(df)[cols] }
+ if(!missing(ID)) { y<-data.frame(ID, row.names=NULL)
+ }else{ y<-data.frame(unique(df[, hhid]), row.names=NULL) }
+ colnames(y)<-hhid
+ for(j in cols) {
+ t<-aggregate(df[, j], list(df[, hhid]), sum, na.rm=T)
+ colnames(t)<-c(hhid, j)
+ y<-merge(y, t, by=hhid, all.x=T)
+ }
+ y[is.na(y)]<-0
+ return (y)
+ }

```

```

> HHID<-d$ID
> length(HHID)
[1] 9399
> ta<-CollapseBy(df, "ID", c("m3c5b", "m3c6b"), HHID)
> dim(ta)
[1] 9399    3
> ta$ta<-rowSums(ta[, 2:3])
> head(ta[ta$m3c6b>0,])
      ID m3c5b m3c6b   ta
8 ID01001000161519   900  3000  3900
11 ID01001000221914  1280 13100 14380
15 ID01001000282019  8410  2000 10410
18 ID01001000342515  1500  5000  6500
32 ID01003000910614   100 14000 14100
33 ID01003000910615  2300  2500  4800

```

6 muc3b healthcare

```

> df<-lss2010[[6]]
> dim(df)
[1] 36999    19
> colnames(df)
[1] "tin"    "huyen"  "xa"     "diaban" "hoso"   "matv"   "m3c9"   "m3c10a"
[9] "m3c10b" "m3c11"  "m3c12a" "m3c12b" "m3c13"  "m3c14"  "m3c15"  "ID"
[17] "wt"     "eaid"   "PID"

```

```

# m3c11: health insurance
# m3c13: medicines
# m3c14: medical facilities

```

```

> tb<-CollapseBy(df,"ID",c("m3c11","m3c13","m3c14"),HHID)
> dim(tb)
[1] 9399    4
> head(tb)
      ID m3c11 m3c13 m3c14
1 ID01001000041213    0  100   10
2 ID01001000041214    0  100    0
3 ID01001000041215    0  200  100
4 ID01001000072213  100  400    0
5 ID01001000072215   50  500    0
6 ID01001000072220   50  500    0
> tb$tb<-rowSums(tb[, 2:4])
> head(tb)
      ID m3c11 m3c13 m3c14  tb
1 ID01001000041213    0  100   10 110
2 ID01001000041214    0  100    0 100
3 ID01001000041215    0  200  100 300
4 ID01001000072213  100  400    0 500
5 ID01001000072215   50  500    0 550
6 ID01001000072220   50  500    0 550

```

No. 114

```

> table(abs(d$m3ct-(ta$ta+tb$tb))<1)
TRUE
9399

```

Remarks:

No. 114

```

m3ct = ta + tb
      = sum of m3c5b and m3c6b in muc3a
      + sum of m3c11, m3c13 and m3c14 in muc3b

```

```

#####
# Food during holidays

```

No. 77 food during holidays = 94

```

> table(d$chikhac_3==d$m5a1ct,useNA="ifany")
TRUE
9399

```

No. 94 = 95 (in cash) + 96 (in-kind)

```

> table(abs(rowSums(d[,c("m5a1c4","m5a1c5")])-d$m5a1ct)<1,useNA="ifany")
TRUE
9399

```

27 muc5a1 food during holidays

```

> df<-lss2010[[27]]

```

```
> dim(df)
[1] 136854    13
> head(df)
  tinh huyen xa diaban hoso m5a1ma m5a1c2a m5a1c2b m5a1c3a m5a1c3b
1    1     1  4     12   13   110      3    180      0      NA
2    1     1  4     12   13   144      4    200      0      NA
3    1     1  4     12   13   140      4    300      0      NA
4    1     1  4     12   13   151     NA    100     NA    100
5    1     1  4     12   13   139      1     20      0      NA
6    1     1  4     12   13   146     10    100      0      NA
```

```
      ID wt      eaid
1 ID1001000041213 3977 10010000412
2 ID1001000041213 3977 10010000412
3 ID1001000041213 3977 10010000412
4 ID1001000041213 3977 10010000412
5 ID1001000041213 3977 10010000412
6 ID1001000041213 3977 10010000412
```

```
> dd<-CollapseBy(df, "ID", c("m5a1c2b", "m5a1c3b"), HHID)
> dim(dd)
[1] 9399    3
> head(dd)
```

```
      ID m5a1c2b m5a1c3b
1 ID01001000041213    3616    400
2 ID01001000041214    2216      0
3 ID01001000041215    3461      0
4 ID01001000072213    6217      0
5 ID01001000072215    6111      0
6 ID01001000072220    5568      0
```

No. 95

```
> table(abs(d$m5a1c4-dd$m5a1c2b)<1)
TRUE
9399
```

No. 96

```
> table(abs(d$m5a1c5-dd$m5a1c3b)<1)
TRUE
9399
```

```
#####
# Daily food
```

No. 78 daily food = 97

```
> table(d$chikhac_4==d$m5a2ct)
TRUE
9399
```

No. 97 = 98:100

```
> table(abs(d$m5a2ct-rowSums(d[, c("m5a2c6", "m5a2c7", "m5a2c8")])) < 1)
TRUE
9399
```

28 muc5a2 daily food

```
> df<-lss2010[[28]]
> dim(df)
[1] 236630      17
> head(df)
  tinh huyen xa diaban hoso m5a2ma m5a2c2a m5a2c2b m5a2c3a m5a2c3b m5a2c4a
1      1      1  4      12      13      137      NA      50      NA      50      NA
2      1      1  4      12      13      117      2.0      64      2.0      64      0
3      1      1  4      12      13      108     10.0      80     10.0      80      0
4      1      1  4      12      13      132      4.0      50      4.0      50      0
5      1      1  4      12      13      107      2.5      60      2.5      60      0
6      1      1  4      12      13      150      0.1      13      0.1      13      0
  m5a2c4b m5a2c5a m5a2c5b ID wt eaaid
1      0      NA      0 ID1001000041213 3977 10010000412
2      NA      0      NA ID1001000041213 3977 10010000412
3      NA      0      NA ID1001000041213 3977 10010000412
4      NA      0      NA ID1001000041213 3977 10010000412
5      NA      0      NA ID1001000041213 3977 10010000412
6      NA      0      NA ID1001000041213 3977 10010000412t
```

```
> dd<-CollapseBy(df, "ID", c("m5a2c2b", "m5a2c3b", "m5a2c4b", "m5a2c5b"), HHID)
> dim(dd)
[1] 9399      5
> head(dd)
```

	ID	m5a2c2b	m5a2c3b	m5a2c4b	m5a2c5b
1	ID01001000041213	4911	4911	0	0
2	ID01001000041214	2103	2103	0	0
3	ID01001000041215	3121	3121	0	0
4	ID01001000072213	3481	3481	0	0
5	ID01001000072215	5979	5979	0	0
6	ID01001000072220	6120	6120	0	0

No. 97

```
> table(abs(d$m5a2ct-dd$m5a2c2b) < 1)
TRUE
9399
```

No. 98

```
> table(abs(d$m5a2c6-dd$m5a2c3b) < 1)
TRUE
9399
```

No. 99

```
> table(abs(d$m5a2c7-dd$m5a2c4b)<1)
TRUE
9399
```

No. 100

```
> table(abs(d$m5a2c8-dd$m5a2c5b)<1)
TRUE
9399
```

```
#####
# Daily non-food
```

No. 79 daily non-food = 101

```
> table(d$chikhac_5==d$m5b1ct)
TRUE
9399
```

No. 101 = 102:104

```
> table(abs(d$m5b1ct-rowSums(d[,c("m5b1c6", "m5b1c7", "m5b1c8")]))<1)
TRUE
9399
```

29 muc5b1 daily non-food

```
> df<-lss2010[[29]]
> dim(df)
[1] 111034    13
> head(df)
```

	tin	huyen	xa	diaban	hos	m5b1ma	m5b1c2	m5b1c3	m5b1c4	m5b1c5	ID
1	1	1	4	12	13	228	500	500	0	0	ID1001000041213
2	1	1	4	12	13	217	60	60	0	0	ID1001000041213
3	1	1	4	12	13	216	30	30	0	0	ID1001000041213
4	1	1	4	12	13	204	1000	1000	0	0	ID1001000041213
5	1	1	4	12	13	218	30	30	0	0	ID1001000041213
6	1	1	4	12	13	219	100	100	0	0	ID1001000041213

	wt	ea	id
1	3977	10010000412	
2	3977	10010000412	
3	3977	10010000412	
4	3977	10010000412	
5	3977	10010000412	
6	3977	10010000412	

```
> dd<-CollapseBy(df, "ID", 7:10, HHID)
> dim(dd)
```

[1] 9399 5

> head(dd)

	ID	m5b1c2	m5b1c3	m5b1c4	m5b1c5
1	ID01001000041213	2560	2560	0	0
2	ID01001000041214	1090	1090	0	0
3	ID01001000041215	2000	2000	0	0
4	ID01001000072213	2308	2308	0	0
5	ID01001000072215	3650	3650	0	0
6	ID01001000072220	2348	2348	0	0

No. 101

> table(abs(d\$m5b1c2-dd\$m5b1c2)<1)

TRUE

9399

No. 102

> table(abs(d\$m5b1c6-dd\$m5b1c3)<1)

TRUE

9399

No. 103

> table(abs(d\$m5b1c7-dd\$m5b1c4)<1)

TRUE

9399

No. 104

> table(abs(d\$m5b1c8-dd\$m5b1c5)<1)

TRUE

9399

#####

Yearly non-food

No. 80 yearly non-food = 105

> table(d\$chikhac_6==d\$m5b2ct)

TRUE

9399

No. 105 = 106:107

> table(abs(d\$m5b2ct-rowSums(d[,c("m5b2c4", "m5b2c5")]))<1)

TRUE

9399

30 muc5b2 yearly non-food

```

> df<-lss2010[[30]]
> dim(df)
[1] 119120      11
> head(df)
  tinh huyen xa diaban hosob m5b2ma m5b2c2 m5b2c3 ID wt eaid
1    1    1  4    12    13    327  10560    0 ID1001000041213 3977 10010000412
2    1    1  4    12    13    312    150    0 ID1001000041213 3977 10010000412
3    1    1  4    12    13    317    300    0 ID1001000041213 3977 10010000412
4    1    1  4    12    13    320    600    0 ID1001000041213 3977 10010000412
5    1    1  4    12    13    313     50    0 ID1001000041213 3977 10010000412
6    1    1  4    12    13    326     30    0 ID1001000041213 3977 10010000412

> dd<-CollapseBy(df, "ID", c("m5b2c2", "m5b2c3"), HHID)
> dim(dd)
[1] 9399      3
> head(dd)
      ID m5b2c2 m5b2c3
1 ID01001000041213 33460    0
2 ID01001000041214 33230    0
3 ID01001000041215 32050    0
4 ID01001000072213 17938    0
5 ID01001000072215 37440    0
6 ID01001000072220 18730    0

```

No. 106

```

> table(abs(d$m5b2c4-dd$m5b2c2)<1)
TRUE
9399

```

No. 107

```

> table(abs(d$m5b2c5-dd$m5b2c3)<1)
TRUE
9399

```

```

#####
# Other expenditure considered as consumption

```

No. 81 other expenditure = 108

```

> table(d$chikhac_7==d$m5b3ct)
TRUE
9399

```

31 muc5b3 other expenditure

```

> df<-lss2010[[31]]

```

```
> dim(df)
[1] 9399 17
> head(df)
  tinh huyen xa diaban hoso m5b3c2_1 m5b3c2_2 m5b3c2_3 m5b3c2_4 m5b3c2_5 m5b3c2_6
1    1     1  4    12   13      50     600     400      0      0     2000
2    1     1  4    12   14      50     500      0      0      0      0
3    1     1  4    12   15      0     600     200      0      0     1000
4    1     1  7    22   13      0     200      0      0      0      0
5    1     1  7    22   15      0      0      0     300      0     8000
6    1     1  7    22   20      0      0      0      0      0    10000
  m5b3c2_7 m5b3c2_8 m5b3c2_9 ID wt eaaid
1    2000    5000      0 ID1001000041213 3977 10010000412
2    5000    3000      0 ID1001000041214 3977 10010000412
3      0     2000      0 ID1001000041215 3977 10010000412
4      0     2000      0 ID1001000072213 4805 10010000722
5      0     4000      0 ID1001000072215 4805 10010000722
6      0     3000      0 ID1001000072220 4805 10010000722
```

Note: Variables of m5b3c2_1 to m5b3c2_9 correspond to item 400 to 408.

No. 108

```
> df$m5b3c2t<-rowSums(df[, 6:14], na.rm=T)
> table(abs(df$m5b3c2t-d$m5b3ct)<1)
TRUE
9399
```

```
#####
# Durables
```

No. 82 durables = 109

```
> table(d$chiknac_8==d$m6c7)
TRUE
9399
```

33 muc6b durables

```
> df<-lss2010[[33]]
> dim(df)
[1] 91597 14
> head(df)
  tinh huyen xa diaban hoso m6c2 m6c3 m6c4t m6c4n m6c5 m6c6 ID wt
1    1     1  4    12   13    24    1    0  2004  NA 1000 ID1001000041213 3977
2    1     1  4    12   13     2    1    0  2005  NA 5000 ID1001000041213 3977
3    1     1  4    12   13    15    2    0  2008  NA 8000 ID1001000041213 3977
4    1     1  4    12   13    14    1    0  2007  NA  500 ID1001000041213 3977
5    1     1  4    12   13    23    2    0  2006  NA 5000 ID1001000041213 3977
```

```

6      1      1  4      12  13  12  3      0  2006  NA  2000  ID1001000041213  3977
      eaid
1 10010000412
2 10010000412
3 10010000412
4 10010000412
5 10010000412
6 10010000412

```

```

> sum(!is.na(df$m6c5)&df$m6c5>0)
[1] 9683
No. 109
> t<-aggregate(df$m6c5, list(df$ID), sum, na.rm=T)
> dim(t)
[1] 9222      2
> head(t)
      Group. 1      x
1 ID1001000041213      0
2 ID1001000041214      0
3 ID1001000041215      0
4 ID1001000072213 38000
5 ID1001000072215      0
6 ID1001000072220      0
> colnames(t)<-c("ID", "m6c5")
> d<-merge(d, t, by="ID", all.x=T)
> table(abs(d$m6c7-d$m6c5)<1, useNA="ifany")
TRUE <NA>
9222  177

```

```

#####
# Housing

```

No.83 Recurrent expenditures on housing, electricity, water and daily life

34 muc7 housing

```

> df<-lss2010[[34]]
> dim(df)
[1] 9399      33
> colnames(df)
[1] "tin"  "huyen" "xa"    "diaban" "hoso"  "m7c1"  "m7c2"  "m7c3"
[9] "m7c4"  "m7c5"  "m7c6"  "m7c7"  "m7c8"  "m7c9"  "m7c10" "m7c11"
[17] "m7c12" "m7c13" "m7c14" "m7c15a" "m7c15b" "m7c16" "m7c17" "m7c18"
[25] "m7c19" "m7c19k" "m7c20" "m7c21"  "m7c22" "m7c23" "ID"    "wt"
[33] "eaid"
> df[is.na(df)]<-0

```

No. 83

```
> table(abs(d$chikhaç_9-rowSums(df[,c("m7c7","m7c13","m7c16","m7c20","m7c22")]))<1)
TRUE
9399
```

7. Household income

- Definition of household income

The household income is defined as in the next table of TTCHUNG.

No	Variable name	Description	Operational definition	Data file	Confirmed from data
40	tongthu_01	Total of household REVENUE	= sum of tongthu_02 to tongthu_14 (41-53)		Yes
41	tongthu_02	Income from subsidies,scholarship	=m2atn (19)		Yes
42	tongthu_03	Income from health subsidies	=m3tn (115)		Yes
43	tongthu_04	Income from wage	=m4atn (27)		Yes
44	tongthu_05	revenue from crops	=m4b0tn (33)		Yes
45	tongthu_06	Revenue from livestock	=m4b1t (117)		Yes
46	tongthu_07	Revenue from Agricultural Services	=m4b21t (30)		Yes
47	tongthu_08	Revenue from hunting, trapping	=m4b22t (54)		Yes
48	tongthu_09	Revenue from forestry	=m4b3t (59)		Yes
49	tongthu_10	Revenue from aquaculture	=m4b4t (63)		Yes
50	tongthu_11	Revenue from non-farm business	=m4b5t (86)		Yes
51	tongthu_12	Other income	=m4ct (90)		Yes
52	tongthu_13	Other money received, not considered as income	=m4dtn (93)		Yes
53	tongthu_14	Income from house and land renting out	=m7c12	muc7	Yes
65	chisxkd_1	Expenditure on business (TOTAL COST)	= sum of chisxkd_2 to chisxkd_8		Yes
66	chisxkd_2	Expenditure on crops	=m4b1c (118)		Yes
67	chisxkd_3	Expenditure on livestock	=m4b21c (55)		Yes
68	chisxkd_4	Expenditure on agricultural services	=m4b22c (56)		Yes
69	chisxkd_5	Expenditure on hunting, trapping..	=m4b3c (60)		Yes
70	chisxkd_6	Expenditure on forestry	=m4b4c (64)		Yes
71	chisxkd_7	Expenditure on aquaculture	=m4b5c (87)		Yes
72	chisxkd_8	Expenditure on non-farm business	=m4cc (92)		Yes
73	thunhap	(Yearly) Income	= total revenue – total cost = tongthu_01 (40) – chisxkd_1 (65)		Yes
74	thubq	(Yearly) Income per capita			

Remarks on definition:

- 1) In-kind income is included.
- 2) Imputed rent is not estimated.

- ✓ It is difficult to estimate imputed rent from market data because the share of households paying rent is small.

```
> d<-lss2010[[34]] # Housing
# m7c6: Does your household pay rents? (in cash or kind)
> nrow(subset(d,m7c6==1))/nrow(d)
[1] 0.02585381
```

- ✓ The share of sample households paying house rent is 2.6%.

- Mean monthly household income

Total income

```
No. 73 = 40 - 65
> d<-lss2010[[37]]
> table(d$thunhap==(d$tongthu_01-d$chisxkd_1))
TRUE
9399
```

Generated monthly household income

```
> d$minc<-round(d$thunhap/12)
> round(weighted.mean(d$minc,d$wt))
[1] 6027
```

```
# Appended minc to ttchung
> ttchung<-d
```

- Mean value by component items of household income

```
> df<-ttchung[, c(40:53, 65:74, 122)]
> colnames(df)
[1] "tongthu_01" "tongthu_02" "tongthu_03" "tongthu_04" "tongthu_05"
[6] "tongthu_06" "tongthu_07" "tongthu_08" "tongthu_09" "tongthu_10"
[11] "tongthu_11" "tongthu_12" "tongthu_13" "tongthu_14" "chisxkd_1"
[16] "chisxkd_2" "chisxkd_3" "chisxkd_4" "chisxkd_5" "chisxkd_6"
[21] "chisxkd_7" "chisxkd_8" "thunhap" "thubq" "minc"
> t<-round(apply(df, 2, function(x) weighted.mean(x, d$wt)))
> data.frame(variable=names(t), value=t, row.names=NULL,
+ label=c(var.names[37][[1]][c(40:53, 65:74)], "Monthly household income"))
```

	variable	value	label
1	tongthu_01	110421	Total of household revenue
2	tongthu_02	115	Income from subsidies, scholarship
3	tongthu_03	623	Income from health subsidies
4	tongthu_04	30608	Income from wage
5	tongthu_05	184	Revenue from renting out agricultural and forestry land and water surface
6	tongthu_06	15087	Revenue from crop
7	tongthu_07	10188	Revenue from husbandry

8	tongthu_08	32	Revenue from hunting, trapping and domestication
9	tongthu_09	508	Revenue from agricultural services
10	tongthu_10	560	Revenue from forestry
11	tongthu_11	4253	Revenue from aquaculture
12	tongthu_12	38391	Other income
13	tongthu_13	9141	Other revenues included in incomes
14	tongthu_14	731	Revenues from renting out house(s) and residential land
15	chisxkd_1	38101	Expenditure on business
16	chisxkd_2	6017	Expenditure on crops
17	chisxkd_3	6955	Expenditure on livestock
18	chisxkd_4	3	Expenditure on hunting, trapping..
19	chisxkd_5	267	Expenditure on agricultural services
20	chisxkd_6	82	Expenditure on forestry
21	chisxkd_7	2677	Expenditure on aquaculture
22	chisxkd_8	22099	Expenditure on non-farm business
23	thunhap	72320	Total Income
24	thubq	1676	income per capita per month
25	minc	6027	Monthly household income

● Mean monthly income by region

Appended the variables of reg6 and reg8 in the data frame lhhexpe10 to ttchung, that is, lss2010[[37]].

```
> df<-lss2010[[1]]
> d$reg6<-df$reg6
> d$reg8<-df$reg8
> ttchung<-d
```

mean monthly income by six regions and urban/rural

```
> t<-tapply(d$minc*d$wt, list(d$reg6, d$ttnt), sum)
> colnames(t)<-c("Urban", "Rural")
> region.name<-c("Red River Delta", "Midlands and Northern Mountains",
+ "Northern and Coastal Central", "Central Highlands",
```

```

+ "Southeastern", "Mekong Delta")
> rownames(t) <- region.name
> num <- addmargins(t)
> den <- addmargins(tapply(d$wt, list(d$reg6, d$ttnt), sum))
> (ret <- round(num/den))

```

	Urban	Rural	Sum
Red River Delta	10434	4760	6426
Midlands and Northern Mountains	5947	3381	3872
Northern and Coastal Central	6736	3717	4462
Central Highlands	6348	4094	4769
Southeastern	11806	8008	10172
Mekong Delta	7298	4847	5408
Sum	9202	4632	6027

8. Household expenditure

- Definition of components of household expenditure

No	Variable name	Description	Operational definition	Data file	Reference period
75	chikhac_1	Expenditure on education	=m2act (18)		12M
76	chikhac_2	Expenditure on health	=m3ct (114)		12M
77	chikhac_3	Expenditure on holiday food	=m5a1ct (94)		12M
78	chikhac_4	Expenditure on daily food	=m5a2ct (97)		1M
79	chikhac_5	Expenditure on daily non-food	=m5b1ct (101)		1M
80	chikhac_6	Expenditure on yearly non-food	=m5b2ct (105)		12M
81	chikhac_7	Expenditure on other	=m5b3ct (108)		12M
82	chikhac_8	Expenditure on durables	=m6c7 (109)		12M
83	chikhac_9	Expenditure on housing	= sum (m7c7 + m7c13 + m7c16 + m7c20 + m7c22)	muc7	12M

- Generated household expenditure variables

Note: The reference period for the expenditure on holiday food is 15 days. Therefore, the expenditure on daily food should be estimated for the period of 365 minus 15 days.

37 ttchung

```
> d<-lss2010[[37]]
> dim(d)
[1] 9399 121
```

Generated household consumption variables

```
> exp<-d[, c(119, 120, 75:83)]
> dim(exp)
[1] 9399 11
> head(exp)
```

```
      ID  wt chikhac_1 chikhac_2 chikhac_3 chikhac_4
1 ID01001000041213 3977    24800    1410    4016    4911
2 ID01001000041214 3977         0     100    2216    2103
3 ID01001000041215 3977    10000     450    3461    3121
4 ID01001000072213 4805    12500     500    6217    3481
5 ID01001000072215 4805     7200     700    6111    5979
6 ID01001000072220 4805     7800    1200    5568    6120
      chikhac_5 chikhac_6 chikhac_7 chikhac_8 chikhac_9
1      2560      33460      10050         0      15676
```

2	1090	33230	8550	0	9372
3	2000	32050	3800	0	6604
4	2308	17938	2200	38000	6588
5	3650	37440	12300	0	6984
6	2348	18730	13000	0	6540

Converted to annual

```
> exp$chikhac_4<-round(exp$chikhac_4*12*(365-15)/365)
```

```
> exp$chikhac_5<-round(exp$chikhac_5*12)
```

```
> head(exp)
```

	ID	wt	chikhac_1	chikhac_2	chikhac_3	chikhac_4
1	ID01001000041213	3977	24800	1410	4016	56510
2	ID01001000041214	3977	0	100	2216	24199
3	ID01001000041215	3977	10000	450	3461	35913
4	ID01001000072213	4805	12500	500	6217	40055
5	ID01001000072215	4805	7200	700	6111	68799
6	ID01001000072220	4805	7800	1200	5568	70422

	chikhac_5	chikhac_6	chikhac_7	chikhac_8	chikhac_9
1	30720	33460	10050	0	15676
2	13080	33230	8550	0	9372
3	24000	32050	3800	0	6604
4	27696	17938	2200	38000	6588
5	43800	37440	12300	0	6984
6	28176	18730	13000	0	6540

Annual total household expenditure

```
> exp$yexp<-rowSums(exp[, 3:11])
```

Monthly total household expenditure

```
> exp$mexp<-round(exp$yexp/12)
```

```
> head(exp)
```

	ID	wt	chikhac_1	chikhac_2	chikhac_3	chikhac_4
1	ID01001000041213	3977	24800	1410	4016	56510
2	ID01001000041214	3977	0	100	2216	24199
3	ID01001000041215	3977	10000	450	3461	35913
4	ID01001000072213	4805	12500	500	6217	40055
5	ID01001000072215	4805	7200	700	6111	68799
6	ID01001000072220	4805	7800	1200	5568	70422

	chikhac_5	chikhac_6	chikhac_7	chikhac_8	chikhac_9	yexp	mexp
1	30720	33460	10050	0	15676	176642	14720
2	13080	33230	8550	0	9372	90747	7562
3	24000	32050	3800	0	6604	116278	9690
4	27696	17938	2200	38000	6588	151694	12641
5	43800	37440	12300	0	6984	183334	15278
6	28176	18730	13000	0	6540	151436	12620

```
> round(weighted.mean(exp$yexp, exp$wt))
```

```
[1] 57788
```

```
> round(weighted.mean(exp$mexp, exp$wt))
[1] 4816
```

```
# Appended household size to exp.
> exp$hhsz<-d$tsnguoi
```

```
# Monthly total household expenditure per capita
> round(sum(exp$mexp*exp$wt)/sum(exp$hhsz*exp$wt))
[1] 1244
```

- Appended yexp and mexp to ttchung

```
> ttchung$yexp<-exp$yexp
> ttchung$mexp<-exp$mexp
> ttchung$reg6<-lss2010[[1]]$reg6
> ttchung$reg8<-lss2010[[1]]$reg8
> d<-ttchung
> dim(d)
[1] 9399 126
> lss2010[[37]]<-d
```

- Mean value by items of household expenditure

```
> df<-exp[, 3:13]
> colnames(df)
[1] "chikhac_1" "chikhac_2" "chikhac_3" "chikhac_4" "chikhac_5" "chikhac_6"
[7] "chikhac_7" "chikhac_8" "chikhac_9" "yexp" "mexp"
> t<-apply(df, 2, function(x) round(weighted.mean(x, exp$wt)))
> data.frame(variable=names(t), value=t, row.names=NULL,
+ label=c(var.names[37][[1]][75:83], "Yearly household expenditure",
+ "Monthly household expenditure"))
```

	variable	value	label
1	chikhac_1	3257	Expenditure on education
2	chikhac_2	2948	Expenditure on health
3	chikhac_3	2035	Expenditure on foods and drinks during holidays
4	chikhac_4	25132	Daily expenditure on foods and drinks
5	chikhac_5	8124	Daily expenditure on non-food
6	chikhac_6	5027	Yearly Non-food expenditure

7	chikhac_7	3446	Other expenditure considered as consumption
8	chikhac_8	5439	Expenditures on durables over the past 12 month
9	chikhac_9	2381	Recurrent expenditures on housing, electricity, water, and daily life waste
10	yexp	57788	Yearly household expenditure
11	mexp	4816	Monthly household expenditure

● Mean monthly household expenditure by six regions and urban/rural

```
> t<-tapply(d$mexp*d$wt, list(d$reg6, d$ttnt), sum)
> colnames(t)<-c("Urban", "Rural")
> rownames(t)<-region.name
> num<-addmargins(t)
> den<-addmargins(tapply(d$wt, list(d$reg6, d$ttnt), sum))
> (ret<-round(num/den))
```

	Urban	Rural	Sum
Red River Delta	8856	4078	5481
Midlands and Northern Mountains	5450	3202	3633
Northern and Coastal Central	6265	3529	4204
Central Highlands	5795	3664	4302
Southeastern	7502	4737	6312
Mekong Delta	5533	3865	4246
Sum	7078	3822	4816

Remarks:

Household expenditure vs household consumption

According to the Users' Manual of VHLSS 2006, the definition of consumption expenditure is the household expenditure minus chikhac_08; expenses counted in household expenditure, but not counted in consumption expenditure, as follows:

Fee, administrative and legal service for life,
 Contributions to various funds,
 Amount paid in replacement of compulsory public labor,
 All kind of taxes,
 Wedding of a household member,
 Funeral and death anniversaries of household members,
 Entertainment,
 Gifts, donation, support,
 Other expenses,
 in which: cost for persons who used to be household member to study or be medically treated overseas.

These items correspond to chikhac_7: other costs as expenditures in VHLSS 2010.

Remarks:

Terms related to household expenditure

Terms used in the survey report 2010	Monthly per capita in 2010	Corresponding variables of ttchung in 2010	Terms used in this manual
Total consumption expenditure	1,211 (1000 VDN)	chikhac_1 to chikhac_9	Total household expenditure
Consumption expenditure for living	1,139	chikhac_1 to chikhac_6, chikhac_8 and chikha_9	Consumption expenditure
Eating, drinking & smoking	602	chikhac_3 and chikhac_4	Eating, drinking & smoking
Non-eating, drinking & smoking	537	chikhac_1, chikhac_2, chikhac_5, chikhac_6, chikhac_8 and chikhac_9	Non-eating, drinking & smoking
Other consumption expenditure	72	chikhac_7	Non-consumption expenditure

VHLSS 2010

9. Micro data to be provided

Strategy

1. Resampling

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

- 1.1 To append household identifier ID and weight wt to all data files.
- 1.2 To append personal identifier PID to muc1a, muc2, muc3a, muc3b and muc4a.
- 1.3 To delete hhexpe10, because it is used for office use.
- 1.4 To select 80% of ID by systematic sampling method.
- 1.5 To select records which ID belongs to the above selected ID from the data files.

2. The weight wt in all files will be adjusted by dividing by 0.8.

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

Resampling

```
# Selected 80% of ID
> ID<-lss2010[[1]]$ID
> length(ID)
[1] 9399
> Int<-5
> (St<-sample(1:5, 1))
[1] 4
> ID.selected<-ID[(1:length(ID))%%Int!=(St-1)]
> length(ID.selected)/length(ID)
[1] 0.7999787
> ID.selected<-ID.selected[order(ID.selected)]
> head(ID.selected)
[1] "ID01001000041213" "ID01001000041214" "ID01001000072213" "ID01001000072215"
[5] "ID01001000072220" "ID01001000161514"
```

```
# Resampled at the rate of 80%
```

```
# lss2010[[1]] to lss2010[[37]]
```

```
> Rnames.80<-paste(Rnames[-38], ".80", sep="")
```

```
> Rnames.80
```

```
[1] "hhexpe10.80" "muc1a.80" "muc1b.80" "muc2.80" "muc3a.80"
[6] "muc3b.80" "muc4a.80" "muc4b0.80" "muc4b11.80" "muc4b12.80"
[11] "muc4b13.80" "muc4b14.80" "muc4b15.80" "muc4b16.80" "muc4b17.80"
[16] "muc4b21.80" "muc4b22.80" "muc4b31.80" "muc4b32.80" "muc4b41.80"
[21] "muc4b42.80" "muc4b51.80" "muc4b52.80" "muc4c1.80" "muc4c2.80"
[26] "muc4d.80" "muc5a1.80" "muc5a2.80" "muc5b1.80" "muc5b2.80"
[31] "muc5b3.80" "muc6.80" "muc6b.80" "muc7.80" "muc8.80"
[36] "muc8vayno.80" "ttchung.80"
```

```
> lss.80<-list()
```

```
> for(j in 1:37) {
```

```
+ d<-lss2010[[j]]
```

```
+ lss.80[[j]]<-subset(d, is.element(d$ID, ID.selected))
```

```
+ }
```

```
> length(lss.80)
```

```
[1] 37
```

```
> for(j in 1:37) {
```

```
+ cat(format(Rnames.80[j],width=12),": ",
```

```
+ format(nrow(lss.80[[j]]),width=6),",",
```

```
+ format(ncol(lss.80[[j]]),width=3),"¥n")
```

```
+ }
```

```
hhexpe10.80 : 7519 , 56
```

```
muc1a.80 : 29567 , 22
```

```
muc1b.80 : 974 , 20
```

```
muc2.80 : 29567 , 38
```

```
muc3a.80 : 15808 , 20
```

```
muc3b.80 : 29567 , 19
```

```
muc4a.80 : 29567 , 57
```

```
muc4b0.80 : 9293 , 12
```

```
muc4b11.80 : 10956 , 15
```

```

muc4b12.80 : 10454 , 14
muc4b13.80 : 2428 , 15
muc4b14.80 : 5811 , 15
muc4b15.80 : 5338 , 13
muc4b16.80 : 38048 , 16
muc4b17.80 : 12135 , 14
muc4b21.80 : 10364 , 13
muc4b22.80 : 6475 , 32
muc4b31.80 : 152 , 12
muc4b32.80 : 152 , 30
muc4b41.80 : 2820 , 16
muc4b42.80 : 1696 , 33
muc4b51.80 : 2156 , 13
muc4b52.80 : 1625 , 33
muc4c1.80 : 3152 , 26
muc4c2.80 : 3152 , 35
muc4d.80 : 7519 , 32
muc5a1.80 : 109506 , 13
muc5a2.80 : 189252 , 17
muc5b1.80 : 88725 , 13
muc5b2.80 : 95314 , 11
muc5b3.80 : 7519 , 17
muc6.80 : 7519 , 45
muc6b.80 : 73237 , 14
muc7.80 : 7519 , 33
muc8.80 : 7519 , 56
muc8vayno.80 : 1088 , 15
ttchung.80 : 7519 , 126

```

```

# Adjusted weight
> for(j in 1:37) {
+ d<-lss.80[[j]]
+ d$WT<-d$wt/0.8
+ lss.80[[j]]<-d
+ }

```

```

> sum(lss.80[[1]]$WT)
[1] 22275260
> sum(lss2010[[1]]$wt)
[1] 22278084

# Dropped hhexpe10
> lss.80[[1]]<-data.frame()

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

# Converted to CSV
> CSVnames<-gsub("¥¥.", "_", Rnames.80)
> CSVnames<-paste(CSVnames, ".csv", sep="")
> CSVnames
[1] "hhexpe10_80.csv" "muc1a_80.csv" "muc1b_80.csv" "muc2_80.csv"
[5] "muc3a_80.csv" "muc3b_80.csv" "muc4a_80.csv" "muc4b0_80.csv"
[9] "muc4b11_80.csv" "muc4b12_80.csv" "muc4b13_80.csv" "muc4b14_80.csv"
[13] "muc4b15_80.csv" "muc4b16_80.csv" "muc4b17_80.csv" "muc4b21_80.csv"
[17] "muc4b22_80.csv" "muc4b31_80.csv" "muc4b32_80.csv" "muc4b41_80.csv"
[21] "muc4b42_80.csv" "muc4b51_80.csv" "muc4b52_80.csv" "muc4c1_80.csv"
[25] "muc4c2_80.csv" "muc4d_80.csv" "muc5a1_80.csv" "muc5a2_80.csv"
[29] "muc5b1_80.csv" "muc5b2_80.csv" "muc5b3_80.csv" "muc6_80.csv"
[33] "muc6b_80.csv" "muc7_80.csv" "muc8_80.csv" "muc8vayno_80.csv"
[37] "ttchung_80.csv"

> for(j in 1:37) {
+ cmd<-paste("write.csv(lss.80[[", j, "]], '", CSVnames[j], "'", row.names=F)", sep="")
+ eval(parse(text=cmd))
+ }

# Resampled data set in csv format
> list.files()
[1] "hhexpe10_80.csv" "muc1a_80.csv" "muc1b_80.csv" "muc2_80.csv"
[5] "muc3a_80.csv" "muc3b_80.csv" "muc4a_80.csv" "muc4b0_80.csv"
[9] "muc4b11_80.csv" "muc4b12_80.csv" "muc4b13_80.csv" "muc4b14_80.csv"

```

[13]	"muc4b15_80.csv"	"muc4b16_80.csv"	"muc4b17_80.csv"	"muc4b21_80.csv"
[17]	"muc4b22_80.csv"	"muc4b31_80.csv"	"muc4b32_80.csv"	"muc4b41_80.csv"
[21]	"muc4b42_80.csv"	"muc4b51_80.csv"	"muc4b52_80.csv"	"muc4c1_80.csv"
[25]	"muc4c2_80.csv"	"muc4d_80.csv"	"muc5a1_80.csv"	"muc5a2_80.csv"
[29]	"muc5b1_80.csv"	"muc5b2_80.csv"	"muc5b3_80.csv"	"muc6_80.csv"
[33]	"muc6b_80.csv"	"muc7_80.csv"	"muc8_80.csv"	"muc8vayno_80.csv"
[37]	"ttchung_80.csv"			

Note: "hhexpe10_80.csv" is an empty file.

Attachments

1. The questionnaire

2. Data dictionary

- ✓ The data file “hhexpe10” is not included in the resampled data set. However, the variables of “reg6” and “reg8” are appended to the data file “ttchung”.
- ✓ The weight file “weight10” is not included in the resampled data set. However, the weight variable is appended to all data files.
- ✓ The identifier variables of “eaid” and “ID” are appended to all data files, and “PID” to individual files.
- ✓ The variables of “minc”, “yexp” and “mexp” estimated by the author are appended to the data file “ttchung”, for reference.
- ✓ The data dictionary of the below data files correspond to those of the second column.

Data file name	File names used in data dictionary	Remarks
muc2	muc2a1, muc2_QX_cau9_11, muc2_QX_cau12_16	The third character “a” in variable names should be dropped. Ex. m2ac1 → m2c1
muc4a	muc4a1, muc4a2, muc4a3, muc4a4, muc4a5	
muc4b22	muc4b22a, muc4b22b	
muc4b32	muc4b32a, muc4b32b	
muc4b42	muc4b42a, muc4b42b	

3. Province map

Provided information is
kept confidential

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General Statistics Office
VHLSS 2010

Questionnaire form No.
1B-PVH/KSMS10

Form No.

Household questionnaire on incomes and expenditures

Province/ city.....

Rural district/ urban district / (provincial) town.....

Rural commune/ urban ward/ (district) **township**.....

Enumeration area.....

Area: (Urban:.....1; rural:.....2).....

Full name of household head (in block capital letters).....-household No.

Ethnicity of household head.....

Address.....

Landline phone number (INCLUDE PROVINCE CODE):.....Mob

Interpreter employed? (yes:.....1; no:.....2).....

Enumerator's full nameCode

Full name of team leader.....Code

Date month year 2010

Team leader
(Signature)

Date month year 2010

Enumerator
(Signature)

Participation in VHLSS is for the sake of national interests and household benefits.

Information obtained from households are kept confidential and not used for any purpose other than as database for the State to study and develop socio-economic policies, in order to stabilise and improve living standards of the people, including of e

General Statistics Office

Ethnicity codes

kinh	01	kh↔ mó	29
tựy	02	co	30
th ₁ i	03	tự - «i	31
hoa (H ₁ n)	04	ch↔ - ro	32
kh↔ me	05	kh ₁ ng	33
m-êng	06	xinh - mun	34
nĩng	07	hự nh×	35
h' m«ng (Mlò)	08	chu - ru	36
dao	09	lựo	37
gia-rai	10	la chỠ	38
ng ₁ i	11	la ha	39
a_@ ^a	12	Phĩ l ₁	40
ba-na	13	la hñ	41
x↔-@ ^o ng	14	lù	42
s ₁ n chay (Cao lan - S ₁ n chØ)	15	l« l«	43
c↔ ho	16	Chøt	44
Ch ^o m (Chµm)	17	M ^o ng	45
s ₁ n d×u	18	pự thĩn	46
hr ^a	19	c↔ lao	47
mn«ng	20	cèng	48
ra-glai	21	bè y	49
xti ^a ng	22	si la	50
bru - V©n KiỒu	23	pu pĐo	51
thæ	24	br©u	52
gi ₁ y	25	¥ @u	53
c↔ tu	26	r↔ - m ^o m	54
giỈ - tri ^a ng	27	Foreign	55
m ¹	28	Unidentified	56

Conversion of lunar and solar calendars

Tý (Rat)	1900	1912	1924	1936	1948	1960	1972	1984	1996	2008
Sõu (Buffalo)	1901	1913	1925	1937	1949	1961	1973	1985	1997	2009
DÇn (Tiger)	1902	1914	1926	1938	1950	1962	1974	1986	1998	2010
M·o (Cat)	1903	1915	1927	1939	1951	1963	1975	1987	1999	
Th×n (Dragon)	1904	1916	1928	1940	1952	1964	1976	1988	2000	
Tp (Snake)	1905	1917	1929	1941	1953	1965	1977	1989	2001	
Ngã (Horse)	1906	1918	1930	1942	1954	1966	1978	1990	2002	
Mĩi (Goat)	1907	1919	1931	1943	1955	1967	1979	1991	2003	
Th©n (Monkey)	1908	1920	1932	1944	1956	1968	1980	1992	2004	
DỄu (Rooster)	1909	1921	1933	1945	1957	1969	1981	1993	2005	
TuÊt (Dog)	1910	1922	1934	1946	1958	1970	1982	1994	2006	
Hĩi (Pig)	1911	1923	1935	1947	1959	1971	1983	1995	2007	

Years ending with	0	of celestial stem	Canh
- # -	1	- # -	T©n
- # -	2	- # -	Nh©m
- # -	3	- # -	Quý
- # -	4	- # -	Gi ₁ p
- # -	5	- # -	Êt
- # -	6	- # -	BỠnh
- # -	7	- # -	Şinh
- # -	8	- # -	MỄu
- # -	9	- # -	Kû

202
Centrally administered provinces/cities

Seq	Code	Names of administrative units
I	1	Red River Delta
1	01	Hà Nội City
2	26	Vĩnh Phúc Province
3	27	Bắc Ninh Province
4	22	Quảng Ninh Province
5	30	Hải Dương Province
6	31	Hải Phòng City
7	33	Hưng Yên Province
8	34	Thái Bình Province
9	35	Hải Nam Province
10	36	Nam Định Province
11	37	Ninh Bình Province
II	2	Midlands and Northern Mountainous Areas
12	02	Hà Giang Province
13	04	Cao Bằng Province
14	06	Bắc Kạn Province
15	08	Tuyên Quang Province
16	10	Lào Cai Province
17	15	Yên Bái Province
18	19	Thái Nguyên Province
19	20	Lạng Sơn Province
20	24	Bắc Giang Province
21	25	Phước Thọ Province
22	11	Siêu Biên Province
23	12	Lai Châu Province
24	14	Sơn La Province
25	17	Hòa Bình Province

Seq	Code	Names of administrative units
III	3	Northern and Coastal Central Region
26	38	Thanh Hóa Province
27	40	Nghệ An Province
28	42	Hải Tĩnh Province
29	44	Quảng Bình Province
30	45	Quảng Trị Province
31	46	Thừa Thiên - Huế Province
32	48	Đà Nẵng City
33	49	Quảng Nam Province
34	51	Quảng Ngãi Province
35	52	Bình Định Province
36	54	Phước Yên Province
37	56	Khánh Hòa Province
38	58	Ninh Thuận Province
39	60	Bình Thuận Province
IV	4	Tây Nguyên (Central Highlands)
40	62	Kon Tum Province
41	64	Gia Lai Province
42	66	Đắk Lắk Province
43	67	Đắk Nông Province
44	68	Lâm Đồng Province
V	5	Southeastern Area
45	70	Bình Phước Province
46	72	Tây Ninh Province
47	74	Bình Dương Province
48	75	Sông Nai Province
49	77	Bạc Liêu - Vòng Tầu Province
50	79	Hải Phòng City

Seq	Code	Names of administrative units
VI	6	Mekong Delta
51	80	Long An Province
52	82	Tiền Giang Province
53	83	Bến Tre Province
54	84	Trà Vinh Province
55	86	Vĩnh Long Province
56	87	Sông Thấp Province
57	89	An Giang Province
58	91	Kiên Giang Province
59	92	Cần Thơ Province
60	93	Hố Giang Province
61	94	Sắc Trùng Province
62	95	Bắc Liêu Province
63	96	Cù Mau Province

999 Foreign

Section 1A. A list of household members

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	1	2	3	4		5	6	7	8	9	10		11		
	Pls tell full names of each household members, starting from the head	Gender of ..[name]..	The relationship of [name] with the household head?	Month and year of birth of ...[name]... According to solar calendar Month of birth unknown WRITE UNKNOWN		Age of [name]? Age rounded until month of interview (aged less than 13 >> question 7)	Marital status of [name]? Single... Married.. Widowed.. Divorced.. Separated.....	For how many months has ..[name].. stayed in the household over the last 12 months? Accumulated months (from 6 months or more >> Q 9)	Why [name] has not lived in the household for more than 6 months? Student studies in the country..... 1 Cadre studies in the country..... 2 Medical treatment in the country/overseas..... 3 Newborn, new comer..... 4 Household head working away.. 5 Others..... 6	Where has [name] registered household status? In resident area in commune/ward ..1 In other places in the province/city...2 In other province/city ..3 Others.....4 Never having registered household status5 (>>11)	In which province has [name] registered household status?	Province name	Province code	No. of years	No. of months
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

Section 1b. A list of domestic helps and migrant labourers

1. Does your household have (a) domestic help(s) who has/have shared meals and accommodation with the household for 6 months or more over the last 12 months?
or does your household have anyone who has migrated, including export workers, for more than 6 months, to earn livelihood for the household?

Yes..... 1

No..... 2 (>> Section 2)

C o d e	2 Pls tell full names of those people? Write full names in capital block letters	3 Gender of [name] Male....1 Female.2	4 [Name] is a domestic help or a household member working away? Domestic help..... 1 Household member working away 2	5 Age of [name]? Age rounded until month of interview (aged less than 13 >> question 7) Number of years	6 Marital status of [name]? Single..... 1 Married..... 2 Widowed.... 3 Divorced.... 4 Separated... 5	7 The highest qualification has [name] obtained?		8 For how many months has [name] stayed in the household over the last 12 months? Sum of accumulated months	9 Where has [name] registered household status ? In resident area in commune/ward.. 1 >> next person In other places in province/city... 2 >> next person In other province/city. 3 Others..... 4 Never having registered household status ...5 (>>11)	10 In which province has [name] registered household status?		11 How long has [name] lived in this province/city?	
						General education and college-level upwards	Professional training			Province name	Province code	Number of years	Number of months
31													
32													
33													
34													
35													
36													
37													
38													
39													
40													
41													
42													

The next sections do not apply to the people in this list.

Grade conversion of general education systems

The general education system for conversion		Corresponding levels of general education (SE)								
		The system under the French rule	From 1945 to 1954			Supplementary education (SE) system	The education system in the North			Current education system nationwide
			Free zone		Temporarily occupied zone		Before 1981	From Qu _ư ng B _{ắc} nh northwards		
Level	Grade		1945-1950	1950-1954				1981	1981-1986	1986-1989
Primary	1	Líp 5 @ảng Ểu (Cours enfantin)			Líp n'ỉm tiỂu hỏc		Vì lỉng	Grade 1 (GE)	Grade 1 (GE)	Grade 1 (GE)
	2	Líp 4 (Cours prĐparatoire)	Líp t-	Grade 1	Líp t-tiỂu hỏc	Grade 1 (SE)	Grade 1 (GE)	Grade 2 (GE)	Grade 2 (GE)	Grade 2 (GE)
	3	Líp 3 (Cours elementaire) sỂu s- hỏc yỂu l-íc	Líp ba	Grade 2	Líp ba tiỂu hỏc	Grade 2 (SE)	Grade 2 (GE)	Grade 3 (GE)	Grade 3 (GE)	Grade 3 (GE)
	4	Líp nh× n'ỉm thỏ nhỂt (Moyen1) Líp nh× n'ỉm thỏ hai (Moyen2)	Líp nh×	Grade 3	Líp nh× tiỂu hỏc	Grade 3 (SE)	Grade 3 (GE)	Grade 4 (GE)	Grade 4 (GE)	Grade 4 (GE)
	5	Líp nhỂt (SupĐrieur) sỂu tiỂu hỏc (Certificat)	Líp nhỂt	Grade 4	Líp nhỂt tiỂu hỏc	Grade 4 (SE)	Grade 4 (GE)	Grade 5 (GE)	Grade 5 (GE)	Grade 5 (GE)
Lower secondary	6	sỂo nhỂt ni^n trung hỏc (Premiẻle annĐe)	sỂo nhỂt ni^n		sỂo thỂt trung hỏc	Grade 5 (SE)			Grade 6 (GE)	Grade 6 (GE)
	7	sỂo nhĐ ni^n trung hỏc (Deuxiẻle annĐe)	sỂo nhĐ ni^n	Grade 5	sỂo lỏc trung hỏc	Grade 6 (SE)	Grade 5 (GE)	Grade 6 (GE)	Grade 7 (GE)	Grade 7 (GE)
	8	sỂo tam ni^n trung hỏc (Troisiẻle annĐe)	sỂo tam ni^n	Grade 6	sỂo ngỏ trung hỏc	Grade 7 (SE)	Grade 6 (GE)	Grade 7 (GE)	Grade 8 (GE)	Grade 8 (GE)
	9	sỂo tỏ ni^n trung hỏc (Quatriẻle annĐe - Dipl«me)	sỂo tỏ ni^n	Grade 7	sỂo tỏ trung hỏc	Grade 7B (SE)	Grade 7 (GE)			Grade 9 (GE)
Higher secondary	10	sỂo nhỂt ni^n	sỂo nhỂt ni^n chuy^n khoa	Grade 8	sỂo tam	Grade 8 (SE)	Grade 8 (GE)	Grade 10 (GE)	Grade 10 (GE)	Grade 10 (GE)
	11	sỂo nhĐ ni^n, tó tụi phĐn thỏ nhỂt (BaccalaurĐat premiẻle partie)	sỂo nhĐ ni^n chuy^n khoa	Grade 9	sỂo nhĐ Tó tụi I	Grade 9 (SE) Grade 10A (SE)	Grade 9 (GE)	Grade 11 (GE)	Grade 11 (GE)	Grade 11 (GE)
	12	sỂo tam ni^n, thi tó tụi tụi phĐn (BaccalaurĐat deuxiẻle partie)	sỂo tam ni^n chuy^n khoa		sỂo nhỂt Tó tụi II	Grade 10B (SE)	Grade 10 (GE)	Grade 12 (GE)	Grade 12 (GE)	Grade 12 (GE)

Section 2. Education

Pls tell some information on education of household members.

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Questions apply to all household members.

	1 Which grade has [name] completed?	2 The highest qualification has [name] obtained? No qualification..... 0 primary..... 1 lower secondary..... 2 higher secondary..... 3 elementary vocational school..... 4 middle-level vocational school..... 5 professional school..... 6 vocational college..... 7 college..... 8 university..... 9 MA/MSc..... 10 PhD..... 11 Others (specify)..... 12 General education and college-level upwards Vocational training		3 Which type of school has [name] attended? Public..... 1 Community-established..... 2 Private..... 3 Semi-public..... 4 Others (Specify)..... 5	4 Does [name] go to school now? Yes..... 1(>>6) On summer vacation... 2(>>6) No..... 3	5 Has [name] attended school over the past 12 months? Yes..... 1 No..... 2 (>>14)	6 At which level of education is [name]? Nursery, kindergarten..... 0 (>>8) Primary..... 1 Lower secondary..... 2 Higher secondary..... 3 Elementary vocational school..... 4 (>>8) Middle-level vocational school..... 5 (>>8) Professional school..... 6 (>>8) Vocational college..... 7 (>>8) College..... 8 (>>8) University..... 9 (>>8) MA/MSc..... 10 (>>8) PhD..... 11 (>>8) Others (specify)..... 12 (>>8)	7 Which grade is [name] attending? Write the number of grade that he/she is attending Grade	8 Which school does [name] attend? Public..... 1 Community-established..... 2 Private..... 3 Others (Specify)..... 4
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

Section 2. Education (cont'd)

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M e m b e r c o d e	9 Has [name] enjoyed reduction of or exemption from tuition fees or contributions to education? Yes..... 1 No..... 2 (>>11)	10 Reasons for reduction/exemption? Poor households..... 1 Ethnic minorities..... 2 Households of fallen combatants, war invalids, sick soldiers, or with revolutionary merits ... 4 Deep, remote, especially difficult areas..... 5 families in difficult circumstances..... 6 Primary school students..... 7 School doesn't collect tuition fees 8 Others (specify _____) 9		11 Expenditures on [name]'s education over the past 12 months for compulsory subjects in school? Try to illicit breakdown information; in case of no expenditures, write 0; if unknown or not remembered clearly, write KB; if a total and some details are remembered only, write the total and fill in relevant breakdown columns; Write kb in columns for which information is not remembered. 1000 @ång									
		a Tuition fees?	b Charge for following a relevant reference system?	c Contributions to school, class (construction fund, ...)?	d Parent fund class fund?	e Uniforms and costumes stipulated?	f Textbooks, reference books?	g Other study instruments? (paper, pens, bags, notebooks,...)	h Coaching sessions for compulsory subjects in school?	i Other education expenditures? (exam fees, travel, rent, student body insurance,...)?	k Total (a +b +...+i)		
												Tuition fees	Contributions
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

2CT. Sum of 11k and 14

--

Section 2. Education (End)

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	12 Funds received from organisations that provide aid in education over the past 12 months? (food, accommodation, travel, textbooks, uniforms,...) If none, write 0 1000 @ång	13 Values of scholarships and rewards received over the last 12 months? If none, write 0 1000 @ång	14 Expenditures for other education and training over the past 12 months? (foreign language certificates, shorthand typing, hairdressing, makeup,...) If none, write 0 1000 @ång	15 The question applies to members aged 5 or less Which of the following toys does [name] play with at home? Yes..... 1 No..... 2		16 How many books/cartoon stories does your household have for children? The question applies to households with members aged 17 or less. If none, write 0; if more than 10 are available, write 10 only. Quantity
				a Toys bought in shops	b Self-made toys	
1						
2						X
3						X
4						X
5						X
6						X
7						X
8						X
9						X
10						X
11						X
12						X
13						X
14						X
15						X

2tn. Sum of 12 and 13:

Section 3. Healthcare

1. Has anyone in your household visited medical establishments or had home visits by physicians for check-ups and treatment over the last 12 months?

Yes..... 1

9

(including health and pregnancy checks, abortion, insertion of intrauterine device, birth delivery... in case of no sickness/diseases/injuries)

No..... 2 (>>9)

[illegible]

Section 3. Healthcare (end)

Pls tell some information on health insurance cards or free healthcare booklets/cards/certificates of household members.

Questions apply to all household members

M e m b e r c o d e	9 Over the past 12 months, has [name] had a health insurance card or a free healthcare booklet/card/certificate? Yes..... 1 No..... 2 (>>13)	10 Which one does [name] have? booklet/card for children aged 6 or less 1(>>12) health insurance card for the poor 2(>>12) health insurance card for the near-poor 3(>>12) free healthcare booklet/card/certificate..... 4(>>12) health insurance card for policy beneficiaries..... 5(>>12) other compulsory state-run health insurance card.... 6(>>12) other compulsory non-state health insurance card .. 7(>>12) Voluntary health insurance card for students 8 Other voluntary health insurance card 9 Others..... 10		11 How much has [name] spent on health insurance over the past 12 months? (if none, write 0) 1000 @ $\text{\text{đ}}$	12 Has [name] used the health insurance cards or free healthcare booklets/cards/certificates during visits for check-ups and treatment over the past 12 months? Yes..... 1 No..... 2		13 How much has your household spent on purchasing medicines without check-ups (prescriptions) for self-treatment or reserves over the past 12 months? (including expenditures on medicines and others, such as travel, vehicle... (if none, write 0) 1000 @ $\text{\text{đ}}$	14 How much has your household spent on purchasing medical facilities over the last 12 months? For instance, stethoscopes, blood pressure monitors, hearing aids, phlegm absorbers, medicine cabinet, clinical thermometers, cotton, bandage, compresses... (if none, write 0) 1000 @ $\text{\text{đ}}$	15 How much in cash and kind has your household received over the past 12 months as aid for members who are sick/injured/ contracts a disease? (if none, write 0) 1000 @ $\text{\text{đ}}$
		the first	the second		Out-service	In-service			
1									
2							x	x	x
3							x	x	x
4							x	x	x
5							x	x	x
6							x	x	x
7							x	x	x
8							x	x	x
9							x	x	x
10							x	x	x
11							x	x	x
12							x	x	x
13							x	x	x
14							x	x	x
15							x	x	x

3ct3. Sum for Q11 3ct. Healthcare expenditures
 Vietnam VHLSS 2010 Manual (Version 1.0)
 (3ct1 + 3ct2 + 3ct3 + Q13 + Q14)

3tn. Sum for Q15

A list of occupations

(1) Leaders/managers from sectors and organisations, at different levels

- 11 Agencies of the Communist Party of Vietnam at central and local levels (full-time posts)
- 12 The National Assembly and Office of the State President
- 13 The Government
- 14 People's courts and people's procuratorates
- 15 Local people's councils and people's committees (including locally run specialized divisions, excluding legal affairs divisions and mass organizations)
- 16 Mass organizations; Vietnam Fatherland Front; Labour Confederation; Women's Union; Farmers' Union; Youth Union; Veterans' Association;
- 17 Private organisations; humanitarian organizations; organizations for other particular benefits;
- 18 Major organisations (groups, general corporations and the like)
- 19 Small organisations (companies, businesses, and enterprises, small schools)

(2) High-level experts in the following areas:

- 21 Natural sciences and technology
- 22 Healthcare
- 23 Education and training
- 24 Business and management
- 25 IT and communication
- 26 Legal, cultural and social affairs

(3) Average-level experts in the following areas

- 31 Technicians in science and technology
- 32 Technicians in healthcare
- 33 Business and management
- 34 Legal, cultural and social affairs
- 35 Technicians in IT and communication
- 36 Average-level teachers

(4) Office staff

- 41 General officers and desk-based officers
- 42 Customer service staff
- 43 Data and input enumerators
- 44 Other office assistants

(5) Service and sales staff

- 51 Personal service staff
- 52 Sales staff
- 53 Personal care staff
- 54 Security service staff

(6) Skilled labourers in agriculture, forestry, and fisheries

- 61 Labourers with market-demanded skills in agriculture
- 62 Labourers with market-demanded skills in forestry, fisheries and hunting
- 63 Labourers in agriculture, fisheries, hunting and collection of farm produce for self-subsidy

(7) Manual labourers and related occupations

- 71 Construction-related workers (except electricians)
- 72 Metal smiths, mechanics and other workers related
- 73 Handcrafters, and printing-related workers
- 74 Electricians and electronics workers
- 75 Workers in food-processing, woodwork, garment making, and other handicrafts, and other workers related

(8) Machine assembling and operating workers

- 81 Operators of fixed machines and equipment
- 82 Machine assembling workers
- 83 Vehicle drivers and operators of moving equipment

(9) Low-skilled labourers

- 91 Cleaners and domestic helps
- 92 Low-skilled labourers in agriculture, forestry and fisheries
- 93 Workers in mining, construction, industry, and transport
- 94 Assistants in food preparation
- 95 Street-based and sales-related labourers
- 96 Waste collectors and other low-skilled labourers

(0) Members of the armed forces

- 01 Officers
- 02 Non-officers
- 03 Other members of the armed forces

Part 4A. Employment and salaries and wages

These questions concern all household members aged 6 or more.

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A list of industries

AGRICULTURE, FORESTRY AND AQUACULTURE

- 01 Agriculture and related services (crop production: 0110, husbandry: 0140, and agricultural services: 0160)
- 02 Forestry and related services
- 03 Aquaculture production and exploitation

MINING AND QUARRYING

- 05 Exploitation of hard coal and lignite
- 06 Exploitation of crude oil and natural gas
- 07 Exploitation of metal ores
- 08 Other mining and quarrying
- 09 Mining supporting services

PROCESSING AND MANUFACTURING INDUSTRIES

- 10 Foodstuff production and processing
- 11 Beverages production
- 12 Production of cigarette products
- 13 Textiles
- 14 Costume production
- 15 Production of leather and related products
- 16 Wood-processing and making of wood and bamboo products (except beds, wardrobes, desks, chairs);
making products from straw and plaiting materials
- 17 Producing paper and paper-based products
- 18 Printing and reproduction of recorded media
- 19 Production of coke coal and refined oil products
- 20 Production of chemicals and chemical products
- 21 Production of medicines, pharmaceutical chemicals and materials
- 22 Manufacturing of rubber and plastic products
- 23 Manufacturing of products from other non-metallic minerals
- 24 Production of metals
- 25 Manufacturing of products from cast metal (except machines and equipment)
- 26 Manufacturing of electronic products, PCs and optical products
- 27 Manufacturing of electrical equipment
- 28 Manufacturing of unclassified machines and equipment
- 29 Manufacturing of motorized vehicles and truck trailers
- 30 Manufacturing of other transport vehicles
- 31 Manufacturing of beds, cabinets, desks and chairs
- 32 Other processing and manufacturing industries
- 33 Repair, maintenance, and installation of machines and equipment

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PRODUCTION AND DISTRIBUTION OF ELECTRICITY, GAS, HOT WATER, STEAM AND AIR-CONDITIONERS

- 35 Production and distribution of electricity, gas, hot water, steam and air conditioners

WATER SUPPLY; MANAGEMENT AND TREATMENT OF SEWERAGE AND WASTE

- 36 Exploitation, treatment, and supply of water
- 37 Water drainage and treatment of waste water
- 38 Waste collection, treatment and disposal activities; recycling of waste
- 39 Treatment of pollution and other activities of waste management

CONSTRUCTION

- 41 Construction of houses of various kinds
- 42 Construction of technical civil works
- 43 Special-use construction activities

WHOLESALE, RETAIL, AND REPAIR OF AUTOMOBILES, MOTORBIKES, SCOOTERS AND OTHER MOTORIZED VEHICLES

- 45 Sales and repairs of automobiles, motorbikes, scooters, and other motorized vehicles
- 46 Wholesale (except automobiles, motorbikes, scooters, and other motorized vehicles)
- 47 Retail (except automobiles, motorbikes, scooters, and other motorized vehicles)

TRANSPORT, WAREHOUSE

- 49 Transport by railways, roads, and pipelines
- 50 Waterway transport
- 51 Airway transport
- 52 Warehouse and supporting activities for transport
- 53 Postal and delivery services

SERVICES OF ACCOMMODATION, FOOD AND BEVERAGES

- 55 Accommodation services
- 56 Food and beverages services

INFORMATION AND COMMUNICATION

- 58 Publication activities
- 59 Cinematographic activities, production of TV programs, recording and musical publication
- 60 Broadcasting activities
- 61 Telecommunications
- 62 Computer programming, consulting services and other activities relating to computers

63 Information services

A LIST OF INDUSTRIES (end)

FINANCE, BANKING, AND INSURANCE

- 64 Financial services, except insurances and social insurance
- 65 Insurances, re-insurance, and social insurance, except compulsory social assurance
- 66 Other financial activities

BUSINESS IN REAL ESTATES

- 68 Business in real estates

PROFESSIONALISM, SCIENCE AND TECHNOLOGY

- 69 Legal, accounting and auditing activities
- 70 Activities of head offices; management consultancy
- 71 Architecture; technical check and analysis
- 72 Scientific research and development
- 73 Advertising and market research
- 74 Other professional, scientific and technological activities
- 75 Veterinary activities

ADMINISTRATION AND SUPPORTING SERVICES

- 77 Leasing of machinery and equipment (without operators) and
of personal and household utensils; and leasing of intangible non-financial assets
- 78 Labor and employment services
- 79 Travel agency, tour operator and
other supporting services relating to tour promotion and organization
- 80 Investigation for safety reasons
- 81 Services of cleaning houses, works, and public spaces
- 82 Office administration and support, and other business-supporting activities

ACTIVITIES OF THE COMMUNIST PARTY AND SOCIO-POLITICAL ORGANIZATIONS, STATE MANAGEMENT, PUBLIC SECURITY

AND DEFENSE; COMPULSORY SOCIAL ASSURANCE

- 84 Activities of the Communist Party and socio-political organisations,
state management, public security and defense; compulsory social assurance

EDUCATION AND TRAINING

- 85 Education and training

HEALTHCARE AND SOCIAL ASSISTANCE

- 86 Healthcare
- 87 Concentrated care and nursing
- 88 Non-concentrated social assistance

ARTS, RECREATION AND ENTERTAINMENT

- 90 Creative, arts and entertainment activities
- 91 Library, archive, museum and other cultural activities

- 92 Lottery, betting and gambling
- 93 Sports, recreation and entertainment

OTHER SERVICES

- 94 Activities of other associations and organizations
- 95 Repair of computers and personal and household utensils
- 96 Other personal services

HOUSEHOLD EMPLOYMENT GENERATED BY HOUSEHOLDS;

HOUSEHOLD SELF-PRODUCTION AND SELF-SERVICES

- 97 Household employment generated by households;
- 98 Household self-production and self-services;

ACTIVITIES OF INTERNATIONAL ORGANIZATIONS AND BODIES

- 99 Activities of international organizations and bodies

[illegible]

Section 4A. Employment, salaries/wages (cont'd)

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[illegible]

Section 4A. Employment, salaries, and wages (cont'd)

217

[illegible]

Section 4A. Employment and salaries/wages (end)

These questions apply to respondents aged 15 or more

Pensions, unemployment allowances, and one-off severance pays						
m e m b e r c o d e	27 Has [name] received unemployment benefits, one-off severance pays, pensions, allowance for loss of working capacity over the past 12 months? Yes.....1 No.....2 (>>Next respondent)	28 Which allowances/benefits is [name] entitled to and how much has he/she received over the past 12 months? if none, write 0				
		a. Unemployment allowance	b. One-off severance pay	c. standard pension at a stipulated age	d. Premature pension	e. Allowance for loss of working capacity
		thousand @đ	thousand @đ	thousand @đ	thousand @đ	thousand @đ

4ATN6. Sum (28a+28b+28c+28d+28e)

Age	Names of household members	Member code
		1
		2
		3
		4
		5
		6
		7
		8
		9
		10
		11
		12
		13
		14
		15

4B. Farm, forestry and aquaculture activities

4B0. Farm land, forestry land and aquaculture water surface

1. Has your family used or managed farm land, forestry land or aquaculture surface water over the last 12 months? Yes.....1

(regardless of rented and rented-out land over the last 12 months and including gardens and ponds adjacent to residential land No..... 2 (>> 4B1)

☐

Now, I would like to ask you about all types of land that members of your family use or manage.

Order	2 Which of the following types of lands does your family use or manage? Cross off if yes ☒ X Question 2 applies to all types of land before moving to Questions 3 - 5 ↓	3 How much area of land does your family use or manage? M2	4 How much has been paid in cash and in kind for land rental or procurement over the last 12 months? If NONE, WRITE 0 1000 VND	5 The revenues in cash or in kind from renting out land over the last 12 months? IF NONE, WRITE 0 1000 VND
1	Annual crop land			
2	Perennial crop land			
3	Forestry land			
4	Water surface			
5	Gardens, ponds adjacent to residential land			
6	Shifting-cultivation farmland			
7	Others (specify:_____)			

4BOTN. Sum of Q5

4B. Farm, forestry and aquaculture activities

4B1. Cultivation

1a. Has your family harvested any products from cultivation over the last 12 months?

Yes..... 1 (>>Question 2)

No..... 2

☐

1b. Are there any impacts of natural disasters, diseases, etc. which have caused loss in production?

Yes..... 1 (>> 4b1.6)

No..... 2 (>> 4B2)

☐

4B1.1. Rice

	2 Which types of rice have your family harvested over the last 12 months? IF DETAILS ARE FILLED OUT FROM ROWS 1 - 4, THERE IS NO NEED FOR A TOTAL ON ROW 5; IF IT IS IMPOSSIBLE TO WORK OUT DETAILS, JUST FILL IN A TOTAL ON ROW 5 Cross off if it is the case	3 What is the cultivated area of [...] over the last 12 months?	4 How much [...] have your family harvested over the last 12 months?	5 How much of [...] harvested has been lost to pests, rot and any other reasons?	6 How much of [...] harvested have you put to sale or barter over the last 12 months? All the times of selling the harvest output in the last 12 months If none is sold or bartered, fill in 0 and >>8	7 What are the proceeds from sales or barter of [...] over the last 12 months?	8 What is the value of the output harvested over the last 12 months?
	X	M2	KG	KG	KG	thousand VND	thousand VND
1	Winter-Spring plain rice?						
2	Summer-Autumn plain rice?						
3	Autumn-Winter plain rice?						
4	Upland plain rice?						
5	Annual total of plain rice?						
6	Annual total of sticky rice?						
7	Annual total of specialty rice?						

4B11T. Sum of Q8

4B1.2. Staple food crops, non-staple food crops, and other annual crops

	2	3	4	5	6	7
	Which of the following crops has your family harvested over the last 12 months?	On how much area have you grown [...]? M ²	How much [...] have you harvested over the last 12 months? KG	How much of [...] harvested have you put to sale or barter over the last 12 months? KG	The total revenues from sale or barter of [...] over the last 12 months? thousand VND	What is the value of the output harvested over the last 12 months? thousand VND
Order	Ask Question 2 before moving onto Question 3 cross off if any			All times of selling or bartering outputs harvested over the last 12 months are counted. If none is sold or bartered fill in 0 and >>7		
	X					
8	Maize (corn)					
9	Sweet potato					
10	Cassava/manioc					
11	Other staple food crops					
12	Potato					
13	Morning glory vegetable					
14	Kohlrabi					
15	Cabbage, cauliflower					
16	Cruciferous vegetables					
17	Edible beans					
18	Tomato					
19	Seasoning herb		X	X		
20	Other edible vegetables, fruits and roots		X	X		
21	Other annual crops (green, black and red bean, flowers)		X	X		

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4B1.3. Annual and perennial industrial crops

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	2 Which of the following crops has your family harvested over the last 12 months? Ask Question 2 before moving onto Question 3 cross off if any	3 The cultivated areas or the number of seedlings [...] that your household has looked after or grown for the product? code m2:..... 1 unit:..... 2		4 How much [...] have you harvested over the last 12 months? KG	5 How much of [...] harvested have you put to sale or barter over the last 12 months? (All times of selling or bartering outputs harvested over the last 12 months are counted) If none is sold or bartered, fill in 0 and >>7 KG	6 The total revenues from sales or barter of [...] over the last 12 months? thousand VND	7 What is the value of the output harvested over the last 12 months? thousand VND
		X	Quantity				
22	Soya bean/soybean			1			
23	Peanut/groundnut			1			
24	Sesame			1			
25	Sugarcane			1			
26	Tobacco, rustic tobacco			1			
27	Cotton			1			
28	Jute, ramie (China grass)			1			
29	Sedge			1			
30	Other industrial annuals			1	X	X	
31	Tea						
32	Coffee						
33	Rubber						
34	Pepper						
35	Coconut						
36	Mulberry			1			
37	Cashew						
38	Other industrial perennials				X	X	

--

4B1.4. Fruit trees

Order	2	3		4	5	6	7
	Which of the following crops has your family harvested over the last 12 months? Ask Question 2 before moving onto Question 3 cross off if any	What is the output from the acreage or quantity of [...] your family tend to or cultivate? code m2:..... 1 unit:..... 2	How much [...] have you harvested over the last 12 months? KG	How much of [...] harvested have you put to sale or barter over the last 12 months? (All times of selling or bartering the outputs harvested over the last 12 months are counted) If none is sold or bartered, fill in 0 and >>7 KG	The total revenues from sales or barter of [...] over the last 12 months? thousand VND	What is the value of the output harvested over the last 12 months? thousand VND	
	X	quantity	code				
39	Citrus						
40	Pineapple						
41	Banana						
42	Mango, horse mango						
43	Indian jujube						
44	Grape						
45	Plum						
46	Papaya						
47	Longan, lychee, rambutan						
48	Sapodilla						
49	Sugar-apple, soursop						
50	Jackfruit, durian						
51	Mangosteen						
52	Other fruit trees			X	X		
53	Other perennials			X	X		
54	Seedlings			X	X		

4B1.5. Revenues from harvested by-products

O r d e r	1 Has your family used or sold [...] over the last 12 months? Ask Question 1 before moving onto Question 2 Cross off if any	2 What are the revenues from sales of [...] over the last 12 months? thousand VND	3 How much value of [...] have been used as animal feed by your family over the last 12 months? thousand VND	4 How much value of [...] have been used for other purposes by your family over the last 12 months? thousand VND	5 What is the total value of by-products harvested over the last 12 months? (2 + 3 + 4) thousand VND
1	Rice straw				
2	Sweet potato leaf and stem				
3	Maize or cassava stem				
4	Bean stem				
5	Sugarcane bud and leaf				
6	Jute and ramie stems		x		
7	Mulberry stem		x		
8	Firewood (from agricultural crops)		x		
9	Other by-products				
10	Collected products				

4B15T. Sum of Q5

4B1T. Total revenues from crop production
(4B11T+4B12T+4B13T+4B14T+4B15T)

4B1.6. Costs of cultivation

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1. On which of the following items has your family spent for the products harvested over the last 12 months? (including purchase, barter, self-subsidy, and gift, etc.; not including collected items not counted in incomes)		2. How much has your family spent on the following crops? If none, fill in 0; if details are not remembered, fill in KB and the total cost in the 'Total' column						
cross off if any x		a. Rice	b. Staple food and other non-staple food crops	c. Industrial crops	d. Fruit trees and other trees except forest trees	e. Total (a + b + c + d)	of which	
		thousand VND	thousand VND	thousand VND	thousand VND	thousand VND	e1. State subsidy thousand VND	e2. Other assistance thousand VND
1	Seeds							
2	Seedlings							
3	Chemical fertilizers (nitrate, phosphate, potash, NPK, etc...)							
4	Organic fertilizer (self-supplied)							
5	Organic fertilizer (outsourced)							
6	Pesticide							
7	Herbicide							
8	Small tools, cheap and undurable objects (sickle, scythe, hoe, shovel, etc)							
9	Energy, fuel	X	X	X	X	X	X	X
9.1	Electricity							
9.2	Coal							
9.3	Coal briquette							
9.4	Petrol							
9.5	Kerosene							
9.6	Mazut oil							
9.7	Diesel oil							
9.8	LPG							
9.9	Natural gas							
9.10	Firewood							
9.11	Other energy and fuels							
10	Small repairs, maintenance							
11	Fixed asset depreciation							
12	Land rental and procurement							
13	Hire of assets, machines, vehicles and mechanical work; hire of transport							
14	Hire of ploughing cattle							
15	Paying outsourced labour							
16	Inner-field irrigation							
17	Payment of interest on loans taken out for production							
18	Other costs (charges, post, advertisement, marketing, production insurance, plant protection fund, field improvement fund, agri-extension fund, administration management fund, feed for ploughing cattle, etc)							

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Total costs of crop production (Sum of Q2e)

4b1.7 Quantity of fertilizer used by the household for plants

O r d e r	1. Types of fertilizer	2. Paddy rice plants	3. Other food crops	4. Industrial crops	5. Fruit trees and other types of trees, except forest trees	6. Total (2 + 3 + 4 + 5)
		KG	KG	KG	KG	KG
1	Nitrogenous fertilizer					
2	Phosphorous fertilizer					
3	Kali					
4	NPK					
5	Other fertilizers					

Calculation of animal feed values

(Enumerators calculate these before filling in column 8 of Section 4B2.2 Costs of husbandry)

Animals	1 Values of feed self-subsidized by the household thousand @ đ	2 Values of purchased feed thousand @ đ	3 Total (1 + 2) thousand @ đ
1. Pig(s)			
2. Buffalo(es), cow(s)			
3. Horse(s)			
4. Goat(s), sheep			
5. Chicken			
6. Duck(s), goose/geese			
7. Other poultry			
8. Bees			
9. Silk worms			
10. Others (specify)			

4B2. ANIMAL HUSBANDRY AND HUNTING, TRAPPING, DOMESTICATION OF BIRDS AND ANIMALS

1a. Has your family raised or possessed animals, poultry and livestock; or harvested from hunting, trapping and domestication of birds and animals over the past 12 months?

YES..... 1 (>> QUESTION 2)

NO..... 2

1b. Have natural disasters and epidemics... damaged production?

YES..... 1 (>> 4b2.2)

NO..... 2 (>> 4B3)

4B2.1. Revenues from husbandry, hunting, trapping and domestication of birds and animals

2	3	4	5
Which of the following products has your family obtained? CROSS OFF IF ANY Ask question 2 before moving onto question 3	How much of [.....] has your family obtained over the last 12 months? quantity	How much of which have your sold, bartered, paid as wages or given away over the last 12 months? a. Quantity If none fill in 0 and >>5 b. Value thousand vnd	What is the value of the output obtained over the last 12 months? thousand vnd
1 Pork	kg		
2 Beef and water buffalo meat	kg		
3 Horsemear	kg		
4 Goat meat, sheep meat (lamb, hogget, mutton)	kg		
5 Chicken	kg		
6 Duck, Muscovy duck and goose meat	kg		
7 Other poultry meat	kg		
8 Piglet	head		
9 Calf and water buffalo calf	head		
10 Other young animals and poultry	x	x	
11 Other raised animals (bear, deer, rabbit, dog, etc)	x	x	
12 Poultry egg (chicken, duck, etc)	egg		
13 Fresh milk	liter		
14 Silk cocoon	kg		
15 Honey of kept bees	kg		
16 Other animal products (not slaughtered)	x	x	
17 Other outputs from husbandry	x	x	
18 Animal by-product	x	x	
19 Products from hunting, trapping, and domestication of birds and animals	x	x	

4B21T. Sum of Q5, from rows 1 to 18 (revenue from livestock)

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4B22T. Sum of Q5, row 19 (revenue from hunting)

4B2.2 COSTS OF HUSBANDRY, HUNTING, TRAPPING AND DOMESTICATION OF BIRDS AND ANIMALS

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Pls tell us about costs of husbandry for products you have obtained over the last 12 months (including self-subsidy, sales, barter, and gift).
If none, fill in 0; if details are not remembered, fill in KB; if only a total and some details are remembered, , fill in the total and available details in relevant columns and KB for those with no information.

O R D E R		7	8	9	10. Energy and fuel										
		Young animals, poultry, and livestock	Feed Start filling in from the 'total' column in calculation table	Medicines for animals and poultry	a Electricity	b Coal	c Coal briquette	d Petrol	e Kerosene	f Mazut oil	g Diesel oil	h LPG	i Natural gas	j Firewood	k Others
		thousand VND	thousand VND	thousand VND	thousand VND	thousand VND	thousand VND	thousand VND	thousand VND	thousand VND	thousand VND	thousand VND	thousand VND	thousand VND	thousand VND
1	Pig/swine														
2	Cattle, water buffalo														
3	Horse														
4	Goat, sheep														
5	Chicken														
6	Duck, Muscovy duck, goose														
7	Other poultry														
8	Honey bee														
9	Silkworm														
10	Other products of husbandry (specify)														
11	Products from hunting, trapping and domestication	x													

4B2.2 COSTS OF HUSBANDRY, HUNTING, TRAPPING AND DOMESTICATION OF BIRDS AND ANIMALS (END)

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O r d e r		11 Water	12 Depreciation of fixed assets	13 Land rental and procurement	14 Hiring of machines , vehicles, slaughter, and transport	15 Pay for outsourced labor	16 Payment of interest on loans for husbandry	17 Business tax	18 Other costs (cheap, non- durables, charges, post, advertising, marketing, production insurance, etc)	19 Total (7 +...+ 18)
		Thousand VND	Thousand VND	Thousand VND	Thousand VND	Thousand VND	Thousand VND	Thousand VND	Thousand VND	Thousand VND
1	Pig/swine									
2	Cattle, water buffalo									
3	Horse									
4	Goat, sheep									
5	Chicken									
6	Duck, Muscovy duck, goose									
7	Other poultry									
8	Honey bee									
9	Silkworm									
10	Other products of husbandry (specify)									
11	Products from hunting, trapping and domestication									

4B21C. Sum of Q19, from rows 1 to 10 (cost of husbandry)

4B22C. Sum of Q19, row 11 (cost of hunting)

4b3. Agricultural services

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1a. Has any member of your family owned machines, equipment and tools for agricultural services over the last 12 months?

YES..... 1(>>question 2)

☐

(such as for ploughing, soil preparation, irrigation, pest prevention and control, rice threshing, semi-processing, and other services such as artificial insemination and castration of animals and poultry, etc)

No..... 2

1b. Have natural disasters and epidemics... damaged production?

Yes..... 1 (>> 4b3.2)

☐

No..... 2 (>> 4B4)

4b3.1. Revenues from agricultural service activities

o r d e r	2. Which of the following activities have brought your family revenues? CROSS OFF IF ANY	3. How many months of activities over the last 12 months?	4. How much have you earned per month on average?	5. Total revenues
	Ask question 2 before moving onto question 3.	Number of months	thousand VND	(3 x 4) thousand VND
1	Ploughing and soil preparation			
2	Irrigation			
3	Pest prevention and control			
4	Rice threshing, semi-processing			
5	Other services (artificial insemination, castration, etc)			

4B3T. Sum of Q5 (revenue from agricultural services)

4b3.2. Costs of agricultural service activities

Pls tell the costs you have incurred for agricultural service activities over the last 12 months? (If none, fill in 0; if details are not remembered, fill in KB)

Order	6. On which of the following activities has your family spent?		7. Cost of materials	8. Small tools, cheap non-durables	9. Energy, fuel										
	CROSS OFF IF ANY				a Electricity	b Coal	c Coal briquette	d Petrol	e Kerosene	f Mazut oil	g Diesel oil	h LPG	i Natural gas	j Fuelwood	k Others
Enumerator	Ask question 6 before moving onto question 7		x	1,000 VND	1,000 VND	1,000 VND	1,000 VND	1,000 VND	1,000 VND	1,000 VND	1,000 VND	1,000 VND	1,000 VND	1,000 VND	1,000 VND
1	Ploughing and soil preparation														
2	Irrigation														
3	Pest prevention and control														
4	Rice threshing, semi-processing														
5	Other services (artificial insemination, castration, etc)														

Order	6. On which of the following activities has your family spent? CROSS OFF IF ANY Ask question 6 before moving onto question 7 x	10. Small repairs, maintenance	11. Fixed asset depreciation	12. Renting of workshop floor, machines, vehicles, assets, and means of transport	13. Pay for outsourced labor	14. Payment of interests on loans for agricultural service activities	15. Business tax	16. Other costs (charges, post, advertising, marketing, production, insurance, feed for breeding male swine etc)	17. Total cost (7 ++ 16)
		1,000 VND	1,000 VND	1,000 VND	1,000 VND	1,000 VND	1,000 VND	1,000 VND	1,000 VND
1	Ploughing and soil preparation								
2	Irrigation								
3	Pest prevention and control								
4	Rice threshing, semi-processing								
5	Other services (artificial insemination, castration, etc)								

4B3C. Sum of Q17 (cost of agricultural services)

4b4. Forestry

1a. Over the past 12 months, has your household earned revenues from planting/management/protection/attending of forests, breeding forest trees, collecting products from forests, harvesting forest trees (bamboos, wood, firewood,...including those in home gardens); or forestry services?

Yes..... 1 (>>Question 2) ☐

No..... 2 ☐

1b. Have natural disasters, epidemics, ... damaged production?

Yes..... 1 (>> section 4b4) ☐

No..... 2 (>>section 4B5) ☐

4b4.1. Forestry revenues

C o d e	2. From which of the following products/activities has your household earned revenues? Question 2 applies to all trees before moving to question 3	Mark with x if yes x	3. Values of outputs/revenues from activities over the past 12 months? Try to illicit information for columns as much as possible; in case of no revenues, fill in 0; if unknown or not remembered, fill in KB; if unknown or not remembered clearly, fill in KB; If only a total and some details are remembered, fill in the total and details of the relevant columns; fill in KB for columns whose information is not remembered.						4. Out of which, how much is for sales or exchange? In case of no sales or exchange, fill in 0
			thousand @ång a. Production forest land allocated to household	b. Production forest land not yet allocated to household	c. Protection forest land allocated to household	d. Protection forest land not yet allocated to household	e. Other forest land	f. Total (a+b+c+d+e)	
1	Vernicia montana, camellia sasanqua tree								
2	Cinnamon tree								
3	Anise								
4	Pine tree								
5	Shellac tree								
6	Wood tree								
7	Bamboo								
8	Palm tree								
9	Water coconut tree								
10	Other forest trees (Specify_____)								
11	Firewood								
12	Planting, looking after, improvement of forests?								
13	Breeds of forest trees and products collected from forests?								
14	Other forestry services (forest protection, forestry management,...)								

4B4T. Sum of Q3f (revenue from forestry)

4b4.2. Costs of forestry activities and services

Pls tell about costs of products gained over the past 12 months (including costs incurred by self-subsidy, purchase, exchange, being given,...)

Unit: thousand @đng

If none, write 0; If details are not remembered, write KB and fill in the total in column 14	1. Seeds, seedlings	2. Fertilizers of various kinds	3. Small instrument cheap, low-quality goods	4. Energy, fuel										
				a. Electricity	b. Coal	c. Coal briquette	d. Petrol	e. Kerosene	f. Mazut (oil)	g. Diesel (oil)	h. LPG	i. Natural gas	j. Fire-wood	k. Others
1. Forestry activities														
2. Forestry services	x	x												

If none, write 0; If details are not remembered, write KB and fill in the total in column 14	5. Small repair, maintenance	6. Depreciation of fixed assets	7. Rent and use of procured land	8. Rent of assets and machines, rented means of	9. Rent of ploughing cattle	10. Costs of outsourced labor	11. Payment of loan interests	12. Business tax	13. Other costs	14. Total costs (1 + ... + 13)
1. Forestry activities										
2. Forestry services										

4B4C. Sum of Q14 (cost of forestry)

4b5. Aquaculture

1a. Over the past 12 months, has any one from your household kept, bred fish, shrimps or other aquatic products; caught aquatic products from lakes, ponds, rivers, springs and seas; or earned revenues from aquaculture services?

Yes..... 1 (>>Q 2)

No..... 2

1b. Have natural disasters, epidemics, ... damaged production?

Yes..... 1 (>> section 4b5.2)

No..... 2 (>>section 4c)

4b5.1. Revenues from aquaculture

Order	2. From which of the following products has your household earned revenues?		3. Total catch over the past 12 months? kg	4. Sales, exchange, payment for labor, donation over the past 12 months?		5. Total values of products gained over the past 12 months thousand @đ
		Mark with x if yes x Question 2 applies to all products before moving to question 3		a. Quantity If none, fill in 0 >>5 kg	b. Value thousand @đ	
1	Aquacultural production	x	x	x	x	x
1.1	Fish					
1.2	Shrimps					
1.3	Breeding fish, shrimps		x	x		
1.4	Other aquaculture (specify_____)		x	x		
2	Aquacultural catch	x	x	x	x	x
2.1	Fish					
2.2	Shrimps					
2.3	Other aquaculture (specify_____)		x	x		
3	Aquacultural services		x	x		

4B5T. Sum of Q5 (revenue from aquaculture)

4b5.2. Costs of aquaculture-related activities

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Pls tell about costs of aquaculture production for products gained over the past 12 months (including costs incurred by self-subsidy, purchase, exchange, being given,...)

Try to illicit information for columns as much as possible; in case of no information, fill in 0; if unknown or not remembered, fill in KB;

If only a total and some details are remembered, fill in the total and details of the relevant columns; fill in KB for columns whose information is not remembered.

		6. Breeds of aquaculture	7. Feed	8. Small instruments, cheap, low-quality goods	9. Energy, fuel										10. Salt, ice water
					a. Electricity	b. Coal	c. Coal briquette	d. Petrol	e. Kerosene	f. Mazut (oil)	g. Diesel (oil)	h. LPG	i. Natural gas	j. Fuel-wood	k. Others
		thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd
1	Aquaculture production														
2	Aquaculture catch														
3	Aquaculture services														

		11. Small repair, maintenance	12. Depreciation of fixed assets	13. Rent and use of procured land	14. Rent of assets and machines of rented means of transport	15. Costs of outsourced labor	16. Interest payment for loans for aquaculture-related activities	17. Business tax	18. Other costs (preventive/treatment medicines, charges, post, ads, marketing,	19. Total costs (7 + ... + 18)
		thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd	thousand vnd
1	Aquaculture production									
2	Aquaculture catch									
3	Aquaculture services									

4b5c. Sum for Q19 (costs of aquaculture)

4c. Domains of production and business, non-agricultural, forestry and aquaculture services; processing of agricultural, forestry and aquatic products

Pls tell some information on activities of production and business, non-agricultural, forestry and aquaculture services; processing of agricultural, forestry and aquatic products

1. Has your household had any activities of your own production and business, non-agricultural, forestry and aquaculture services; processing of agricultural, forestry and aquatic products over the past 12 months?

Yes..... 1

No..... 2 (>>part 4d)

☐

4c1. Revenues from production and business, non-agricultural, forestry and aquaculture services; processing of agricultural, forestry and aquatic products

Order of sectoral activities	2. Pls tell details of these activities		3. Number of months of activity over the past 12 months?	4. Do you or household members possess this entire activity? Yes.....1(>>6) No...2	5. How many households including yours possess this activity? Number of households	6. Percentage of income your household has received from this activity? Write 100 if code 1 is a response to question 4 %	7. Has this activity registered for business? (In case of commercial activity >>9) Yes, by type of enterprise..... 1 Yes, by type of individual household business ... 2 No..... 3	8. Are products of this activity for sale, exchange, or service supply? Yes.....1 No....2 (>>13)
	Description of sectoral activities	Sectoral code						
1								
2								
3								
4								

Order of sectoral activities	9. Among activities over the past 12 months, what is an average revenue per month of this activity? Thousand @đ	10. Revenue over the past 12 months? (c3 x c9) (In case of commercial activity >>15) Thousand @đ	11. Has your household exchanged products of this activity for other goods and services over the past 12 months? Yes.....1 No.....2 (>>13)	12. Values of exchanges over the past 12 months? Thousand @đ	13. Have any products of this activity been used or consumed by the household over the past 12 months? Yes.....1 No..2 (>>15)	14. Values of products used or consumed by the household over the past 12 months? Thousand @đ	15. Have any by-products of this activity been used or sold by the household over the past 12 months? Yes.....1 No...2 (>>17)	16. Values of products used or sold by the household over the past 12 months? Thousand @đ	17. Total revenues (c10+c12+c14+c16) Thousand @đ	18. Total revenues divided by household(s) ((c10 x c6):100) + (C12 + C14 + C16) Thousand @đ
1										
2										
3										
4										

Note: A revenue of commercial activity does not include the value of commodity capital.

4c2. Costs of production and business, non-agricultural, forestry and aquaculture services; processing of agricultural, forestry and aquatic products

Pls tell costs of your household's activities of production and business, non-agricultural, forestry and aquaculture services; processing of agricultural, forestry and aquatic products over the past 12 months (including expenditures from self-subsidy, purchase, exchange, gift,...).

Only costs of products sold, exchanged, supplied for service, used or consumed are counted.

Order of sectoral activities	19 Main and minor materials	20 Small, cheap, undurable tools	21. Energy, fuel											22. Water
			a. Electricity	b. Coal	c. Coal briquette	d. Petrol	e. Kerosene	f. Mazut (oil)	g. Diesel (oil)	h. LPG	i. Natural gas	j. Firewood	k. Others	
	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang
1														
2														
3														
4														

Order of sectoral activities	23 Minor repair, maintenance	24 Depreciation of fixed assets	25 Rent of land, workshops, shops, machines and other means of production	26 Transport (rents and charges)	27 Costs of labour (salaries, wages; social insurance; health insurance; trade unions expenses;.	28 Loan interests	29 Taxes, fees and charges regarded as taxes	30 Costs of treatment of sewage and solid waste	31 Other costs (post, travel, advertisement, marketing, purchase of designs, survey for design, production insurance,...)	32 Total costs (C19+...+C31)	33 Total costs divided by household(s) (C32 x C6):100
	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang	Thousand @ang
1											
2											
3											
4											

Note: A revenue of commercial activity does not include the value of commodity capital.

4CCT. Total cost of activities (sum of Q32)

4CC. Total revenue from activities divided by households (sum of Q33)

4d. Other revenues included in incomes

Pls give some information on other household revenues

c o d e	1. Has anyone in your household, over the past 12 months, received cash or kind from the following sources? Question 1 applies to all revenues before moving to question 2	Mark x if any ☐	2. Values received over the past 12 months? Thousand @đ
101	Cash and kind sent as a gift or aid for domestic use by non-members of the household from overseas		
1011	<i>Out of the total:</i> - Cash and kind (value) for domestic use sent as a gift or aid by relatives residing and working overseas temporarily.....		
1012	- Gift of housing.....		
1013	- Gift of automobile(s) for domestic use		
1014	- Other gifts of assets for domestic use.....		
102	Cash and kind (value) for domestic use sent as a gift or aid by non-members of the household from within the country		
1021	<i>Out of the total:</i> - Cash and kind (value) for domestic use sent as a gift or aid by relatives who work as seasonal laborers in the country...		
1022	- Gift of housing.....		
1023	- Gift of automobile(s) for domestic use		
1024	- Other gifts of assets for domestic use.....		

c o d e	1. Has anyone in your household, over the past 12 months, received cash or kind from the following sources? Question 1 applies to all revenues before moving to question 2	Mark x if any ☐	2. Values received over the past 12 months? Thousand @đ
103	Wedding cash gifts after deducting expenses of guests' food and drinks		
104	Funeral cash tributes after deducting expenses of guests' food and drinks		
105	Social benefits for war invalids, families of fallen combatants, and individuals/families with revolutionary merits		
106	Social benefits for beneficiary households of social policies		
107	Assistance to overcome natural disasters and fire		
108	From types of insurance (excluding social, health and life insurance)		
109	Interests of savings deposits, stocks, shares, lending, contributed capital		
110	Revenues from renting out workshop floors, machines, assets and facilities not included in sections of sectoral production and business (except housing, farming and forest land, and water surface for aquaculture production)		
111	Revenues as donations from organizations, humanitarian aid, associations and units of production and business ...		
112	Others (Specify _____)		

4DTN. Sum of Q2 items (other revenues)

Weight conversion of some food and foodstuff and other consumer goods

A. Food

1 kilo of paddy rice ~ 0.7 kilo of rice
 1 kilo of broken-rice powder ~ 0.7 kilo of rice
 3 kilos of sweet potato/fresh cassava
 ~ 1 kilo of dried sliced sweet potato/cassava

B. Foodstuff

1 kilo of fresh lard ~ 0.7 kilo of liquid lard
 1 kg of live-weight chicken ~ 0.85 kg of dead-weight chicken
 1 kg of live-weight pork ~ 0.7 kg of dead-weight pork ~ 0.6 kg of pork with fat removed
 1 kg of live-weight beef ~ 0.4 kg of dead-weight beef
 1 kg of live-weight buffalo meat ~ 0.3 kg of dead-weight buffalo meat
 3 kilos of fresh shrimps, fish ~ 1 kilo of dried shrimps, fish
 1 kg of sugar molasses ~ 0.5 kg of refined sugar
 250 grams of milk powder ~ 1 can of condensed milk (395 - 400g)
 5 kilos of fresh tea buds ~ 1 kilo of dried tea buds
 4.6 kilos of fresh coffee nuts ~ 1 kilo of dried coffee nuts
 ~ 0.7 kilo of coffee powder (roasted and ground)

Section 5. Expenditures

5A. Expenditures on food and drinks

5A1. Expenditures on food and drinks on festive occasions

Now pls tell about expenditures on festive occasions, such as the Lunar New Year, Christmas, Independence Day, the fifteenth day of the first and seventh lunar months, Mid-aut (special festive occasions of ethnic minorities, such as chol chnam thmay of the Khmer people, . . .)

C o d e	1 Which of the following items has your household consumed on festive occasions over the past 12 months? Mark with x if yes ☐ X Question 1 applies to all items before moving to questions 2-3	Unit of measurement	2 Purchase or exchange		3 Self-subsidy, gift, donation	
			A Quantity [...] ? If none, write 0 and >> 3	B Value? thousand @ång	A Quantity? If none, write 0 and >>next item	B Value? thousand @ång
101	Fragrant plain rice, specialty rice?	Kg				
102	Sticky rice?	Kg				
110	Pork (with fat removed)?	Kg				
111	Beef?	Kg				
112	Buffalo meat?	Kg				
113	Chicken meat?	Kg				
114	Duck and other poultry meat?	Kg				
115	Other types of meat? (goats, dogs, sheep, wild animals, birds,...)	X	X		X	
116	Processed meat? (boiled pork pies, fried pork pies, roasted pork, sausages,...)	X	X		X	
118	Fresh shrimp, fish?	Kg				
120	Other aqua-products and seafood? (crabs, snails,...)	X	X		X	
121	Eggs of chickens, ducks, Muscovy ducks, and geese?	Egg				
124	Beans of various kinds?	Kg				

C o d e	1 Which of the following items has your household consumed on festive occasions over the past 12 months? Mark with x if yes ☐ X Question 1 applies to all items before moving to questions 2-3	Unit of measurement	2 Purchase or exchange		3 Self-subsidy, gift, donation	
			A Quantity [...] ? If none, write 0 and >> 3	B Value? thousand @ång	A Quantity? If none, write 0 and >>next item	B Value? thousand @ång
134	Fruits?	X	X		X	
139	Sugar, molasses?	Kg				
140	Confectionery?	Kg				
144	Alcohol of various kinds?	Litre				
145	Beer of various kinds?	Litre				
146	Bottled, canned, boxed beverages?	Litre				
148	Coffee?	Kg				
150	Dried tea?	Kg				
151	Cigarettes, tobacco for water pipes	X	X		X	
153	Outdoors meals and drinks?	X	X		X	
154	Other meals and drinks? (Other food and foodstuff, additives, seasonings, ...)	X	X		X	

5A1CT. Sum

(Q4 + Q5)

4. Sum of Q2B

(Codes 101 to 154)

5. Sum of Q 3B

(Codes 101 to 154)

5a2. Recurrent expenditures on food and drinks

Code	1 Apart from festive occasions, parties, engagement parties, weddings, funerals and major death anniversaries over the past 30 days, which of the following items has your household consumed: Question 1 applies to all categories of items/items before moving to questions 2-5 Mark with x if yes X ↓	Units of measurement	2 How much has your household consumed over the past 30 days?		Breakdown					
					3. Consumed quantity of purchase or exchange		4. Consumed quantity of self-subsidy		5. Consumed quantity of gift, donation, present	
			A. Quantity	B. Value thousand @ång	A. In case of no quantity, write 0 >>4	B. Value thousand @ång	A. In case of no quantity, write 0 >>5	B. Value thousand @ång	A. In case of no quantity, write 0 >>next	B. Value thousand @ång
101	Plain rice? (including fragrant and specialty rice)	Kg								
102	Sticky rice?	Kg								
103	Maize? (in seed equivalent)	Kg								
104	Cassava? (in fresh-type equivalent)	Kg								
105	Potato of various kinds? (in fresh-type equivalent)	Kg								
106	Wheat grains, bread, wheat powder?	Kg								
107	Flour noodle, instant rice noodle/porridge?	Kg								
108	Fresh rice noodle, dried rice noodle?	Kg								
109	Vermicelli?	300 Kg								
110	Pork? (in equivalent of the pork type with removed fat)	Kg								
111	Beef?	300 Kg								
112	Buffalo meat?	300 Kg								
113	Chicken meat?	Kg								
114	Duck and other poultry meat?	Kg								
115	Other types of meat? (goats, dogs, sheep, wild animals, birds,...)	X	X		X		X		X	
116	Processed meat (boiled pork pies, fried pork pies, roasted pork, sausages,...)	X	X		X		X		X	
117	Lard, cooking oil?	Kg								
118	Fresh shrimp, fish?	Kg								
119	Dried and processed shrimps, fish?	Kg								
120	Other aquatic products and seafood? (crabs, snails,...)	X	X		X		X		X	
121	Eggs of chickens, ducks, Muscovy ducks, geese?	Egg								
122	Tofu?	Kg								
123	Peanuts, sesame?	Kg								

5a2. Recurrent expenditures on food and drinks (cont'd)

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C o d e	1 Apart from festive occasions, parties, engagement parties, weddings, funerals and major death anniversaries over the past 30 days, which of the following items has your household consumed: Question 1 applies to all categories of items/items before moving to questions 2-5 Mark with x if yes ☒ X ↓	Units of mea sure ment	2 How much has your household consumed over the past 30 days?		Breakdown					
			Quantity	Value thousand @ đ	3. Consumed quantity of purchase or exchange		4. Consumed quantity of self-subsidy		5. Consumed quantity of gift, donation, present	
					A. In case of no quantity, write 0 >>4	B. Value thousand @ đ	A. In case of no quantity, write 0 >>5	B. Value thousand @ đ	A. In case of no quantity, write 0 >>next	B. Value thousand @ đ
124	Beans of various kinds?	Kg								
125	Fresh peas of various kinds?	Kg								
126	Morning glory vegetables?	Kg								
127	Kohlrabi?	Kg								
128	Cabbage?	Kg								
129	Tomato?	Kg								
130	Other vegetables? (gourd, winter melon, cucumber, cabbage, squash...)	X	X		X		X		X	
131	Orange?	Kg								
132	Banana?	Kg								
133	Mango?	Kg								
134	Other fruits? (rambutan melon, papaya, guava, litchi, grapes,...)	X	X		X		X		X	
135	Fish sauce?	Liter								
136	Salt?	Kg								
137	MSG?	X	X		X		X		X	
138	Glutamate?	X	X		X		X		X	
139	Sugar, molasses?	Kg								
140	Confectionery?	Kg								
141	Condensed milk, milk powder?	Kg								
142	Ice cream, yoghurt?	X	X		X		X		X	
143	Fresh milk?	Liter								
144	Alcohol of various kinds?	Liter								
145	Beer of various kinds?	Liter								

5a2. Recurrent expenditures on food and drinks (end)

Code	1 Apart from festive occasions, parties, engagement parties, weddings, funerals and major death anniversaries over the past 30 days, which of the following items has your household consumed: Question 1 applies to all categories of items/items before moving to questions 2-5 Mark with x if yes	Units of measurement	2 How much has your household consumed over the past 30 days?	Breakdown							
				3. Consumed quantity of purchase or exchange		4. Consumed quantity of self-subsidy		5. Consumed quantity of gift, donation, present			
				Quantity	Value thousand @ång	A. In case of no quantity, write 0 >>4	B. Value thousand @ång	A. In case of no quantity, write 0 >>5	B. Value thousand @ång	A. In case of no quantity, write 0 >>next	B. Value thousand @ång
146	Bottled, canned, boxed beverages? (pure water, carbonated drinks, juice, fruit smoothies, pep drinks,...)	Litre									
147	Instant coffee?	X	X			X		X		X	
148	Coffee powder?	Kg									
149	Instant tea powder?	X	X			X		X		X	
150	Other dried tea?	Kg									
151	Cigarettes, waterpipe tobacco?	X	X			X		X		X	
152	Betel leaves, areca nuts, lime, betel pieces?	X	X			X		X		X	
153	Outdoors meals and drinks? (breakfast, lunch, dinner)?	X	X			X		X		X	
154	Other food and drinks? (other processed food and foodstuff, additives, seasonings, ...)	X	X			X		X		X	

5a2ct. Sum for question 2b
(codes 101-154)

6.Sum for Q3b
(codes 101-154)

7.Sum for Q4b
(codes 101-154)

8.Sum for Q5b
(codes 101-154)

5b. Expenditures on non-food items and other expenditures

5b1. Daily expenditures

C o d e	1 Which of the following items has your household consumed over the past 30 days? Mark with x if yes ☒ X Question 1 applies to all items before moving to questions 2-5	2 How much has your household consumed over the past 30 days? thousand @ đ	Breakdown		
			3. Consumed quantity of purchase or exchange thousand @ đ	4. Consumed quantity of self-subsidy thousand @ đ	5. Consumed quantity of gift, donation, present thousand @ đ
201	Pocket money for children?				
202	Coal?				
203	Coal briquette?				
204	Petroleum?				
205	Kerosene?				
206	Mazut oil?				
207	Diesel oil?				
208	LPG?				
209	Natural gas?				
210	Firewood, husk, sawdust?				
211	Farm by-products? (straw, sugar cane leaves, maize/jute/hemp/seagrass stems....)				
212	Other types of fuel?				
213	Deposit fees for vehicles? (bicycle, scooter, automobiles)				
214	Matches, candles, fire stones, lighters?				

C o d e	1 Which of the following categories of items /items/expenditures has your household consumed over the past 30 days? Mark with x if yes ☒ X Question 1 applies to all items before moving to questions 2-5	2 How much has your household consumed over the past 30 days? thousand @ đ	Breakdown		
			3. Consumed quantity of purchase or exchange thousand @ đ	4. Consumed quantity of self-subsidy thousand @ đ	5. Consumed quantity of gift, donation, present thousand @ đ
215	Soap/ detergent, softening solution?				
216	Dish washing liquid, floor-cleaning liquid?				
217	Shampoo, conditioner?				
218	Bath soap, shower gel?				
219	Skin-nourishing cream, powder and lipsticks, perfume, hair gel,..?				
220	Tooth paste and brush?				
221	Toilet paper, razor?				
222	Books, newspapers, magazines for adults?				
223	Books, newspapers for children?				
224	Fresh flowers?(excluding worship flowers)				
225	Lottery tickets?				
226	Regular worship activities?				
227	Hair cut, hair dressing				
228	Other daily expenditures?				

5b1ct. Sum for Q2
(codes 201-228)

6. Sum for Q3
(codes 201-228)

7.Sum for Q4
(codes 201-228)

8.Sum for Q5
(codes 201-228)

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5b2. Annual consumption

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	1 Which of the following items has your household consumed over the past 12 months? Question 1 applies to all items before moving to questions 2-3	2 Consumed value of purchase or exchange Mark with x if yes ☒ X If none write 0 thousand @ång	3 Consumed quantity of self-subsidy, gift, donation, present If none write 0 thousand @ång
301	Fabrics?		
302	Garment? (including underwear)		
303	Anti-mosquito nets and cotton gauze?		
304	Kerchiefs, turbans, scarfs of various kinds?		
305	Mats, blankets, bed sheets, pillows, curtains, table-cloth?		
306	Other garment accessories? (needle, thread, socks,...)		
307	Fees of tailoring, washing and ironing?		
308	Shoes, slippers, wooden underfoot?		
309	Plastics, conical hats, hats, umbrellas of various kinds?		
310	Electrical appliances: light bulbs, electrical cords, plugs, fuses,...?		
311	Ceramics and glassware: bowls, plates, teapots, cups,...?		
312	Pots, saucepans, frying-pans, barrels, buckets?		
313	Thermos, inner thermos?		
314	Bags?		
315	Torches, batteries for lighting, TVs, radio?		
316	Hammock, cradles, cots, prams?		
317	Other expenditures on household utensils? (not including durables) (Specify_____)		

	1 Which of the following items has your household consumed over the past 12 months? Question 1 applies to all items before moving to questions 2-3	2 Consumed value of purchase or exchange Mark with x if yes ☒ X If none write 0 thousand @ång	3 Consumed quantity of self-subsidy, gift, donation, present If none write 0 thousand @ång
318	Inner tubes, tires, and spare parts of bicycles?		
319	Inner tubes, tires, and spare parts of scooters, automobiles?		
320	Maintenance and repair of household utensils?		
321	Travel expenditure? (including fees for boats, ferries, and others)		
322	Paintings, photos, ornamental plants?		
323	Sports facilities?		
324	Adult toys?		
325	Child toys?		
326	Envelops, postal stamps, postal fees?		
327	Fees of phone subscription, calls, and repairs		
328	Internet (costs of installation, subscription, access)		
329	Expenditures on plastic (cosmetic) surgeries, gym exercises?		
330	Entertainment (cinemas, music, video, sports)?		
331	Domestic holidays?		
332	Overseas holidays?		
333	Watches, eyewear, jewellery?		
334	Expenditures on other cultural activities?		
335	Hiring domestic helps?		
336	Other annual expenditures? (Specify_____)		

5b2ct. Sum (question 4 + question 5)

4.Sum for Q 2 (codes 301-336)

5. Sum for Q 3 (codes 301-336)

5b3. Other costs as expenditures

1	On which of the following items has your household spent money over the past 12 months? Question 1 applies to all items before moving to question 2 Mark with x if yes ☒ X ↓	2
		Expenditures [...] over the past 12 months? thousand @ång
400	Fees and charges on administrative and legal services for daily-life requirements (certificates of marriage, birth, and death, notary services...)	
401	Fund contributions? (funds in aid of natural calamity victims, for charitable activities, poverty reduction, study encouragement,...)	
402	Cash contributions in lieu of public labor and other obligations?	
403	Taxes of various kinds (except production taxes), e.g. PIT, and taxes for transfer of use rights of houses and residential land?	
404	Engagement and wedding parties of the household (after deducting expenditures on guests' food and drinks)?	
405	Funerals and death anniversaries of the household (after deducting expenditures on guests' food and drinks)?	
406	Organization of parties and entertaining activities? (birthdays, opening ceremonies, guest reception,...)	
407	Gift, donation, assistance, tributes, contributions to death anniversaries... to other households? (in cash and kind)	
499	Including: expenditures on former household members' study or medical treatment overseas	
408	Other expenditures? (damages for other people, non-student body insurance, traffic insurance, housing and assets insurance,...)	
5b3ct . Sum for question 2 (codes 400 - 408)		

Section 6. Durables

1. Pls tell which of the following durables does your household have?

Code	Names of durables	Mark with x if yes
1	Automobile(s)	
2	Motorbike(s)	
3	Bicycle(s)	
4	Ship(s), boat(s), junk(s), outer part with a motor	
5	Ship(s), boat(s), junk(s), outer part without a motor	
6	Other means of travel	
7	Pumping machine(s)	
8	Electricity generator(s)	
9	Printer(s)	
10	Fax machine(s)	
11	Landline telephone(s)	
12	Mobile telephone(s)	
13	Sewing machine(s)	
14	Video player(s), DVD player(s), digital player(s), satellite antenna	
15	Color TV(s)	
16	Black and white TV(s)	
17	Music rack of various kinds	
18	Radio/radio-cassette player(s)	
19	Disk player(s)	

Code	Names of durables	Mark with x if yes
20	Computer(s)	
21	Camera(s), video recorder(s)	
22	Refrigerator(s)	
23	Air conditioner(s)	
24	Washing machine(s), (clothes-) drying machine(s)	
25	Electric fan(s)	
26	(Bath) water heater(s)	
27	Gas cooker(s), magnetic cooker(s)	
28	Electric cooker(s), electric rice cooker(s), pressure cooker(s)	
29	Trolleys of various kinds	
30	Cupboard(s), cabinet(s), wardrobe(s) (of various kinds)	
31	Bed(s)	
32	Desk(s), chair(s), long bench(es), dressing table(s)	
33	Vacuum cleaner(s), dehumidifier(s), water filter(s)	
34	Microwave oven(s), baking oven(s)	
35	Juice extractor(s), citrus juicer(s)	
36	Piano(s), keyboard(s)	
37	Others (Specify _____)	

6. Durables (cont'd)

N u m b e r l i n e	2 Names of durables your household has purchased or received or self-produced over the past 10 years	Code	3 Quantity? Enumerators fill in this column only in case of many durables of the same kind, value, and moment of purchase	4 When did your household purchase or receive or self-produce it? In 2009 - 2010, fill in both month and year; otherwise, only year is filled in. Fill in all 4 digits for year		5 Value at purchase reception, self-production? Only ask about durables bought, received, self-produced over the past 12 months. Thousand @ång	6 Remaining value in current price? Thousand @ång
				Month	Year		
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

6. Durables (end)

N u m b e r l i n e	2 Names of durables your household has purchased or received or self-produced over the past 10 years	Code	3 Quantity? Enumerators fill in this column only in case of many durables of the same kind, value, and moment of purchase	4 When did your household purchase or receive or self-produce it? In 2009 - 2010, fill in both month and year; otherwise, only year is filled in. Fill in all 4 digits for year		5 Value at purchase reception, self-production? Only ask about durables bought, received, self-produced over the past 12 months.	6 Remaining value in current price? Thousand @
				Month	Year	Thousand @	Thousand @
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							

7. Sum for question 5

If none, write 0

thousand @

Section 7. Housing

Pls tell some information on your household's accommodation.

1. In how many houses/flats does your household actually live? Number of houses/ flats
In case of no house, write 0 >> **14**

2. Total residential area? (all houses where the household lives are counted)
Bedrooms, dining rooms, living rooms, study rooms, play rooms are incl m2
Bathrooms, toilets, kitchens, warehouses, business areas are not included.
An attic is considered 50%.

Questions 3-5 apply to the main house.

3. Which is the main material as poles (or pillars, or carrying walls) of the house where your household lives now?

(Enumerators should concurrently observe it)

Reinforcement concrete 1
Bricks/stones..... 2
Iron/steel/good wood..... 3
Poor-quality wood/bamboo..... 4
Others (specify)..... 5

4. Which is the main material as roofing of the house where your household lives now?

(Enumerators should concurrently observe it)

Reinforcement concrete..... 1
Tiles (cement, terracotta)..... 2
Roof slabs (cement, metal)..... 3
Leave/straw/rolled roofing..... 4
Others (specify)..... 5

5. Which is the main material as walls or surroundings of the house where your household lives now?

(Enumerators should concurrently observe it)

Reinforcement concrete..... 1
Bricks/stones..... 2
Wood/metal..... 3
Calcareous soil/straw..... 4
Bamboo partitions/hardboards..... 5
Others (specify)..... 6

6. Does your household pay rents? (in cash or kind)

Yes..... 1

No..... 2(>>9)

7. How much have you spent on rents over the past 12 months?

(both in cash and values of kind)

thousand

@ång

8. What is the duration of the existing rental contract?

(including a verbal contract)

Number of

months

9. If the whole accommodation were now put on sale, how much do you think it would be worth?

thousand

@ång

10. Apart from your current living place, does your household have any other residential land lots or houses?

Yes..... 1

No..... 2(>>13)

11. Does your household receive rents from those residential land lots or houses?

Yes..... 1

No..... 2(>>13)

12. How much has your household received from leasing residential land and houses over the past 12 months?

[in cash and kind (value)]

thousand

@ång

13. Expenditures on house repair and maintenance over the past 12 months? (including painting but not major improvement and upgrade)

If none, write 0

thousand

@ång

Section 7. Housing (end)

14. Which is the main drinking water supply of your household?

- tap water reaching the house 1
 public tap water. 2
 drilled well 3
 protected dug well 4
 unprotected dug well 5
 protected stream water 6
 unprotected stream water 7
 Bought water (in bottles, jars, or small vehicles...) 8
 rain water 9
 Others (specify: _____) 10

15. Do you treat drinking water by:

- a. boiling? Yes..... 1
 No..... 2
 b. a filter or chemicals? Yes..... 1
 No..... 2

16. How much money has your household spent on water for drinking and other daily activities over the past 12 months (excluding bottled purified water counted in the section on expenditures on food and drinks)? If none, write 0

17. Which toilets does your household use?

- septic/semi-septic tank..... 1
 suilabh..... 2
 double septic tank..... 3
 fishing bridge..... 4
 Others..... 5
 None..... 6

18. Which is the main lighting in your household?

- National-grid electricity..... 1
 Battery or generator or small-scale-hydro electricity 2
 Gas, oil lamps of various kinds 3
 Others (specify: _____).. 4

19. For the last month, how much money has your household spent on electricity for daily consumption and how many KWs has your household consumed for daily activities?

thousand @ång KW

20. How much money has your household spent on electricity for daily activities over the past 12 months?

thousand @ång

21. How has your household treated daily-life waste over the past 12 months?

- Somebody else collects it 1
 Dumping into ponds, lakes, rivers, streams..... 2
 Dumping in a nearby site 3
 Landfill burial 4
 Burning..... 5
 Others (specify _____)..... 6

22. How much money has your household on collection of daily-life waste over the past 12 months?

If none, write 0

thousand @ång

23. Total expenditures on housing, electricity, water, waste (c7 + c13 + c16 + c20 + c22)

Section 8. Participation in Aid Schemes

Enumerators interview all households.

1. Have the local authorities classified your household as 'poor' in the commune/ward in the following years?

- Yes..... 1
- No..... 2

Year	2006	2007	2008	2009	2010

2. In 2009 - 2010, has your household benefitted from the project/policy [...]?

- Yes..... 1
- No..... 2
- Don't know 3

	2009	2010
a. Support in purchasing health insurance cards.....		
b. Reduction of and exemption from costs of medical checks/treatment for the poor.....		
c. Reduction of and exemption from tuition fees for the poor.....		
d. Policy-based scholarships.....		
e. Vocational training for the poor and low-income earners (ask about number of months if this line is included)		
f. Support in housing and residential land for poor households.....		
g. Support in cleaning/improving daily-life water supplies for poor households.....		
h. Providing productive land for poor ethnic minorities households(Ask about areas, if this line is included)		
i. Extension services in agriculture, forestry and fisheries.....		
j. Support in migrating abroad for employment.....		
k. Food aid.....		
l. Subsidized petroleum/kerosene for fishing boat(s)/vessel(s).....		
m. Preferential credit for the poor.....		
n. Support in machinery, production inputs (fertiliser, breed animals, seedlings,...).....		
o. Others (kerosene,...).....		

a. Number of months of vocational training provided in 2009 - 2010? month(s)

b. The total area that your household has been provided in 2009 - 2010? m2

Section 8. Participation in Aid Schemes (cont'd)

3. Has anyone in your household, in 2010, borrowed from or remained indebted to preferential credit schemes for the poor?

Yes..... 1

No..... 2 (>>Question 9)

☐

Order	4. Which preferential credit scheme has your household borrowed from / remained indebted to? (Each loan is written in a line) Social Policy Bank..... 1 Employment Support Fund..... 2 Poverty Reduction Fund..... 3 Socio-political organisations..... 4 Others (specify.....) 5	5. Value [...] of this loan? thousand VND	6. The interest rate of this loan? In case of no interest, write 0 and >>Q7 Time unit month..... 1 quarter..... 2 6 months..... 3 year..... 4		7. Does your household have to pay any costs to get this loan? If none, write 0 thousand VND	8. The (outstanding) balance of this loan? (including principal and interest)? If none, write 0 thousand VND
			Interest rates %	Time unit		
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Section 8. Participation in Aid Schemes (end)

9. Have the living conditions in your household improved, compared with 5 years ago (2006)?

Yes, substantially..... 1 (>>11)

Yes, slightly..... 2 (>>11)

The same as before..... 3

Worsened..... 4

Don't know..... 9 (>>11)

☐

10. Pls tell why it is 'the same as before'/'worsened' ??

- Increased production costs in agriculture, forestry and fisheries..... 1
- Low selling prices of agricultural, forestry and fisheries products 2
- Cattle and poultry suffer from epidemics or death 3
- Droughts, floods, pests, and harvest loss affect agricultural, forestry and fisheries production 4
- Household member(s) is sick or dies 5
- High prices of food, foodstuff, and other consumer goods 6
- Low incomes..... 7
- Job loss or underemployment 8
- Conflicts or other problems among family members/friends/neighbors 9
- Decreased arable land/water surface for aquaculture production 10
- Unfortunate events (house on fire, stealth, traffic accident)..... 11
- Other reasons (specify _____)..... 12

Record in the order of importance

The first

The second

The third

☐
☐
☐

11. Has consumption of food and foodstuff by your household [...] been sufficient to meet needs over the last 30 days?

- Insufficient 1
- Sufficient 2
- More than sufficient 3
- No comment/ no applicable 4

Food

Foodstuff

☐
☐

Sufficient' means having met your household's minimum consumption needs.

12. Has consumption of electricity, water, and housing by your household [...] been sufficient to meet needs over the last 30 days?

- Insufficient 1
- Sufficient 2
- More than sufficient 3
- No comment/ no applicable 4

Electricity

Water

Housing

☐
☐
☐

13. Has consumption of clothing and footwear by your household [...] been sufficient to meet needs over the last 30 days?

- Insufficient 1
- Sufficient 2
- More than sufficient 3
- No comment/ no applicable 4

☐

Some computing indicators from results of household interviews

Indicators and data sources	Code	Data location in household questionnaire	Page	Indicator value (1000 @ång)
I. Total revenue [Codes 2 + ... +14]	1			
Value of aid, scholarships, rewards from education	2	Data from cell 2TN, section 2	11	
Value of aid in healthcare	3	Data from cell 3TN section 3	15	
Revenues from salaries/wages of household members	4	Data from cell 4ATN, part 4A	27	
Revenues from renting out agricultural and forestry land and water surface for aquaculture production	5	Data from cell 4B0TN, part 4B0	29	
Revenues from crop production	6	Data from cell 4B1T, part 4B1.5	35	
Revenues from husbandry	7	Data from cell 4B21T, part 4B2.1	38	
Revenues from hunting and domestication of birds and animals	8	Data from cell 4B22T, part 4B2.1	38	
Revenues from agricultural services	9	Data from cell 4B3T, part 4B3.1	42	
Revenues from forestry	10	Data from cell 4B4T, part 4B4.1	44	
Revenues from aquaculture	11	Data from cell 4B5T, part 4B5.1	46	
Revenues from production, business and services outside agriculture, forestry, aquaculture; processing	12	Data from cell 4CT, part 4C1	48	
Other revenues included in incomes	13	Data from cell 4DTN, part 4D	50	
Revenues from renting out house(s) and residential land	14	Data from Question 12, section 7	62	

Some computing indicators from results of household interviews (*cont'd*)

	Code	Data location in household questionnaire	Page	Indicator value (1000 @ång)
II. Costs of production and business [Codes 16 + ... + 22]	15			
Costs of crop production	16	Data from cell 4B1C, part 4B1.6	36	
Costs of husbandry	17	Data from cell 4B21C, part 4B2.2	41	
Costs of hunting, trapping, and domestication of birds and animals	18	Data from cell 4B22C, part 4B2.2	41	
Costs of agricultural services	19	Data from cell 4B3C, part 4B3.2	43	
Costs of forestry	20	Data from cell 4B4C, part 4B4.2	45	
Costs of aquaculture	21	Data from cell 4B5C, part 4B5.2	47	
Costs of production, business and services outside agriculture, forestry, aquaculture; processing...	22	Data from cell 4CC, part 4C2	49	

Indicators and data sources in Table 'Some computing indicators from results of household interviews'

Indicator value (1000 @ång)

III. Incomes [Codes 2 + 3 + 4 + 5 + (6 - 16) + (7 - 17) + (8 - 18) + (9 - 19) + (10 - 20) + (11 - 21) + (12 - 22) + 13 + 14]

IV. Average/per capita/monthly incomes [Indicator number III/ (number of household members x 12)]

Some computing indicators from results of household interviews (end)

Indicators and data sources	Code	Data location in household questionnaire	Page	Indicator value (1000 @ång)
V. Consumption and other expenditures				
Education expenditures	23	Data from cell 2CT, section 2	9	
Healthcare expenditures	24	Data from cell 3CT, section 3	15	
Food and drink consumption on festive occasions	25	Data from cell 5A1CT, part 5A1	52	
Regular food and drink consumption	26	Data from cell 5A2CT, part 5A2	55	
Daily consumption of non-food items	27	Data from cell 5B1CT, part 5B1	56	
Annual consumption of non-food items	28	Data from cell 5B2CT, part 5B2	57	
Other consumption included in expenditures	29	Data from cell 5B3CT, part 5B3	58	
Expenditures on durables over the past 12 months	30	Data from cell of question 7, section 6	61	
Recurrent expenditures on housing, electricity, water, and daily-life waste	31	Data from cell of question 23, section 7	63	

Explanatory documents for the VHLSS 2010

Name of the dataset **muc1a**

variables

20

No	Variable name in	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	matv	ID code	All	1-15	Numeric
7	m1ac1	Family name of household members	All		String
8	m1ac1a	Surname name of household members	All		String
9	m1ac2	Sex	All	1	Yes
				2	No
10	m1ac3	Relationship with HH member	All	1-7	Numeric
				1	Head
				2	Spouse
				3	Children
				4	Parents
				5	Grandfather/Grandmother
				6	Grandchild
				7	Other relation
11	m1ac4a	Month of birth of	All	1-12	Month
12	m1ac4b	Year of birth of	All	1908-2010	Year
13	m1ac5	Age	All	0-102	Years old
14	m1ac6	Marital status	All	1-5	1 Single 2 Married 3 Widowed 4 Divorced 5 Separated
15	m1ac7	Number of months staying in the household	All	0-12	Month
16	m1ac8	Reasons for leaving	All	1-6	Student studies
				1	Student studies in the country
				2	Carde studies in the country
				3	country/overseas
				4	New born, new comer
				5	Household head working away
				6	Others
17	m1ac9	Place registered for residency	All	1-5	In resident area in the commune/ward In other places in the province/city In other province/city Others Never having registered household status
18	m1ac10	Province permanent residence in	All	1-99	Numeric
19	m1ac11n	Number of years staying in province	All	-1-62	Numeric
20	m1ac11t	Number of months staying in province	All	0-11	Numeric

Explanatory documents for the VHLSS 2010

Name of the data: **MUC1B**

variables

18

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	4-973	Numeric
3	xa	Commune	All	124-32248	Numeric
4	diaban	Enumerator area	All	1-73	Numeric
5	hoso	Household code	All	13-20	Numeric
6	m1bma	Member code	All	31-35	Numeric
7	m1bc2	Name	All	Name	String
8	m1bc3	Gender	All	1-2	Numeric
				1	Male
				2	Female
9	m1bc4	Domestic help or household member working away	All	1-2	Numeric
				1	Domestic help
				2	Household member working away
10	m1bc5	Age	All	6-75	Years old
11	m1bc6	Marital status	All	1-5	1 Single 2 Married 3 Widowed 4 Divorced 5 Separated
12	m1bc7a	Highest qualification obtained	All	0-12	Numeric
				0	No qualification
				1	Primary school
				2	Lower secondary school
				3	Higher secondary school
				4	Elementary vocational school
				5	Middle-level vocational school
				6	Professional vocational school
				7	Vocational college
				8	College
				9	University
				10	MA/MSc
				11	PhD
				12	Others
13	m1bc7b	Professional training	All	0-7	Numeric
14	m1bc8	Number of months staying in household	All	0-12	Numeric
15	m1bc9	Places to register	All	1-5	Numeric
				1	In resident area in the commune/ward
				2	In other places in the province/city
				3	In other province/city
				4	Others
				5	Never having registered household status
16	m1bc10	Province permanent residence in	All	1-99	Numeric
17	m1bc11n	Number of years staying in province	All	-1-40	Numeric
18	m1bc11t	Number of months staying in province	All	0-11	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset **muc2a1**

variables

15

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	matv	ID code	All	1-15	Numeric
7	m2ac1	Educational level completed	All		String
8	m2ac2a	Grade has completed	All	0-12	Numeric
				0	No qualification
				1	primary
				2	lower secondary
				3	higher secondary
					elementary vocational
				4	school
					middle-level vocational
				5	school
				6	professional school
				7	vocational college
				8	college
				9	university
				10	MA/MSc
				11	PhD
				12	Others
9	m2ac2b	Vocational training	All	0-7	Numeric
10	m2ac3	Types of school	All	1-5	
				1	Public
					Community-
				2	established
				3	Private
				4	Semi-public
				5	Others (Specify)
11	m2ac4	Going to school now?	All	1-3	
				1	Yes
				2	On summer vacation
				3	No
12	m2ac5	Attended school over last 12 months	All	1-2	
				1	Yes
				2	No
13	m2ac6	Level of education	All	0-12	
				0	Nursery, kindergarten
				1	Primary
				2	Lower secondary
				3	Higher secondary
					Elementary vocational
				4	school
					Middle-level vocational
				5	school
				6	Professional school
				7	Vocational college
				8	College
				9	University

				10	MA/MSc
				11	PhD
				12	Others (specify)
14 m2ac7	Grade is attending	All	1-12	Numeric	
15 m2ac8	School attending	All	1-4	Numeric	
				1	Public
				2	Community-
				2	established 2
				3	Private
				4	Others (Specify)

Explanatory documents for the VHLSS 2010

Name of the dataset muc2_QX_cau9_11

variables

19

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	matv	ID code	All	1-15	Numeric
7	m2ac9	Tuition reduction/exemption	All	1-2	Numeric
				1	Yes
				2	No
8	m2ac10a	Reasons for reduction	Member say "yes" in m2ac9	0-9	Numeric
				0	Undefined
				1	Poor households
				2	Ethnic minorities
					Households of fallen combatants war invalids, sick soldiers,
				3	
				4	or with revolutionary merits
				5	Deep, remote, especially difficult areas
				6	families in difficult circumstances
				7	Primary school students
					School doesn't collect tuition fees
				8	
				9	Others
9	m2ac10b	Reasons for exemption	Member say "yes" in m2ac9	0-9	Numeric
				0	Undefined
				1	Poor households
				2	Ethnic minorities
					Households of fallen combatants war invalids, sick soldiers,
				3	
				4	with revolutionary merits
				5	Deep, remote, especially difficult areas
				6	families in difficult circumstances
				7	Primary school students
					School doesn't collect tuition fees
				8	
				9	Others
10	m2ac11a	Tuition fees	Member say "yes" in m2ac9	-2-	Numeric
11	m2ac11b	Charge	Member say "yes" in m2ac9	390000	Numeric
12	m2ac11c	Contributions to school, class	Member say "yes" in m2ac9	-2-5000	Numeric
13	m2ac11d	Parent fund, class fund	Member say "yes" in m2ac9	-2-5000	Numeric
14	m2ac11e	Uniform and costumed stipulated	Member say "yes" in m2ac9	-2-10000	Numeric
15	m2ac11f	Texbooks, reference books	Member say "yes" in m2ac9	-2-8000	Numeric
16	m2ac11g	Expenditures on other study instruments	Member say "yes" in m2ac9	-2-5000	Numeric
				-2-13000	Numeric

17	m2ac11h	compulsory subjects in schools	Member say "yes" in m2ac9	-2-29000	Numeric
18	m2ac11i	Other educational expenditures	Member say "yes" in m2ac9	-2-25920	Numeric
19	m2ac11k	Total expenditures on education	Member say "yes" in m2ac9	0-390000	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc2_QX_Cau12_16

variables

12

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	matv	ID code	All	1-15	Numeric
7	m2ac12	Fund received from organization	Member say "yes" in m2ac9	0-46184	Numeric
8	m2ac13	Values of scholarship and rewards received	Member say "yes" in m2ac9	0-16684	Numeric
9	m2ac14	Expenditures for other education and training over the past 12 months? (foreign language certificates, shorthand typing, hairdressing, makeup,...)	Member say "yes" in m2ac9	0-32000	Numeric
10	m2ac15a	Toys bought in shops	Member aged less than 5	1-2,9 1 2 9	Numeric Yes No Missing
11	m2ac15b	Self-made toys	Member aged 5 or less	1-2,9 1 2 9	Numeric Yes No Missing
12	m2ac16	Books or cartoons	Member aged 17 or less	0-10	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc3a

variables

16

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	matv	ID code	All	1-15	Numeric
7	m3c2	Name of users of medical services	All Member		String
8	m3c3a	Sequence number using medical services	using medical services Member	1-8	Numeric
9	m3c3b	Medical establishments visits	using medical services	1-13	Numeric
				1	Village/hamlet clinics
				2	Commune/ward clinics
				3	Regional general clinics
				4	Urban/rural district hospitals
				5	Provincial/city hospitals
				6	Central hospitals
				7	Other state-run hospitals
				8	Private hospitals
				9	Other hospitals
				10	Private practice
				11	Traditional herbal physicians
				12	Individual medical services
				13	Other medical establishments
10	m3c4	Reasons to visit medical establishments	Member using medical services	1-4	Numeric
				1	Vaccination
				2	Pregnancy checks, insertion of intrauterine devices, abortion, birth delivery
				3	Health checks and consultancy
				4	Medical treatment

11	m3c5a	Number of visits for health check	Member using medical services	0-80	Numeric
12	m3c5b	Costs of visit for health check	Member using medical services	0-168000	Numeric
13	m3c6a	Number of visits for resident treatment	Member using medical services	0-30	Numeric
14	m3c6b	Costs of visit for resident treatment	Member using medical services	0-236000	Numeric
15	m3c7	Household afford medical check/treatment	Member using medical services	1-3	Numeric
			1	Yes, it did	
			2	It had some but not enough	
			3	No	
16	m3c8	Selling product to afford medical check	Member using medical services	0-90000	Numeric

Explanatory documents for the VHLSS 2010

Name of the datas muc3b variables 15

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	matv	ID code	All	1-15	Numeric
7	m3c9	Having health insurance card	All	1-2	Numeric
				1	Yes
				2	No
			Member having health insurance cards		
8	m3c10a	The first types of health insurance		1-10	Numeric
				1	booklet/card for children aged 6 or less
				2	health insurance card for the poor
				3	health insurance card for the near-poor
				4	free healthcare booklet/card/certificate
				5	health insurance card for policy beneficiaries
				6	other compulsory state-run health insurance card
				7	other compulsory non-state health insurance card
				8	Voluntary health insurance card for students
				9	Other voluntary health insurance card
				10	Others
			Member having health insurance cards		
9	m3c10b	The second types of health insurance		1-10	Numeric
				1	booklet/card for children aged 6 or less
				2	health insurance card for the poor

					health insurance card for the near-poor
			3		
					free healthcare booklet/card/certificate
			4		
					health insurance card for policy beneficiaries
			5		
					other compulsory state-run health insurance card
			6		
					other compulsory non-state health insurance card
			7		
					Voluntary health insurance card for students
			8		
					Other voluntary health insurance card
			9		
			10		Others
		Member having health insurance cards			Numeric
10	m3c11	Spent on health insurance	0-11600		
		Member having health insurance cards			Numeric
11	m3c12a	Using health insurance card for check-up out-service	1-2		
			1		Yes
			2		No
		Member having health insurance cards			Numeric
12	m3c12b	Using health insurance card for check-up in-service	1-2		
			1		Yes
			2		No
13	m3c13	Spending on purchasing medicines without health check-up	All	0-44000	Numeric
14	m3c14	Spending on purchasing medical facilities	All	0-10000	Numeric
15	m3c15	In cash or in kind received	All	0-142745	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4a1

variables

19

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	matv	ID code	All	1-15	Numeric
7	m4ac1a	Taken wage/salaried employment	All	1-2 1 2	Numeric Yes No
8	m4ac1b	Self-employment in agriculture, forestry, aquaculture	All	1-2 1 2	Numeric Yes No
9	m4ac1c	Self-engagement in production, business, services outside agriculture, forestry, aquaculture	All	1-2 1 2	Numeric Yes No
10	m4ac2	Having job?	All	1-2 1 2	Numeric Yes No
11	m4ac3a	Number of working days	Member having job	1-365	Numeric
12	m4ac3m	Job description	Member having job		String
13	m4ac3	Occupation code	Member having job	1-96	Numeric
14	m4ac4c	Name of employer	Member having job		String
15	m4ac4m	Job description	Member having job		String
16	m4ac4	Industry code	Member having job	2-160	Numeric
17	m4ac5	Taken job over last month?	Member having job	1-2,9 1 2 9	Numeric Yes No Missing
18	m4ac6	Number of working days	Member having job	-1-30	Numeric
19	m4ac7	Number of working hours	Member having job	-1-24	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4a2

variables

16

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	Member having job	1-96	Numeric
2	huyen	District	Member having job	1-973	Numeric
3	xa	Commune	Member having job	4-32248	Numeric
4	diaban	Enumerator area	Member having job	1-91	Numeric
5	hoso	Household code	Member having job	13-24	Numeric
6	matv	ID code	Member having job	1-15	Numeric
7	m4ac8a	Organization working	Member having job	1-6	Numeric Farming, forestry, aquaculture households/individuals Independent production and business households Collective Private State-run Foreign-invested
8	m4ac8b	Public employee/civil servant	Member having job	1-2	Numeric 1 Yes 2 No
9	m4ac9	Received salary/wages	Member having job	1-2	Numeric 1 Yes 2 No
10	m4ac10	In cash or in kind received	Member having job	-1-46784	Numeric
11	m4ac11	Salaries/wages including in cash or in kind	Member having job	99-561409	Numeric
12	m4ac12a	In cash or in kind received for festive occasions	Member having job	0-56141	Numeric
13	m4ac12b	Other bonuses	Member having job	0-132141	Numeric
14	m4ac13a	Signing a payroll book	Member having job	1-2	Numeric 1 Yes 2 No
15	m4ac13b	Paid leaves/holiday	Member having job	1-2	Numeric 1 Yes 2 No
16	m4ac13c	Social insurance	Member having job	1-2	

1	Yes
2	No

Explanatory documents for the VHLSS 2010

Name of the dataset muc4a3

variables

16

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	Member h	1-96	Numeric
2	huyen	District	Member h	1-973	Numeric
3	xa	Commune	Member h	4-32248	Numeric
4	diaban	Enumerator area	Member h	1-91	Numeric
5	hoso	Household code	Member h	13-24	Numeric
6	matv	ID code	Member h	1-15	Numeric
7	m4ac14	Taken other job	Member h	1-2	
				1	Yes
				2	No
		Number of working			
8	m4ac15a	days for second job	Member h	1-365	Numeric
9	m4ac15m	Job description	Member having job		String
10	m4ac15	Occupation code	Member h	2-96	Numeric
		Name of employer of			
11	m4ac16c	second job	Member having job		String
12	m4ac16m	Job description	Member having job		String
13	m4ac16	Industry code	Member h	2-160	Numeric
		Performed this work			
14	m4ac17	over 30 days?	Member h	1-2	Numeric
				1	Yes
				2	No
		Number of days			
15	m4ac18	performed this work	Member h	-1-30	Numeric
		Number of hours			
16	m4ac19	working	Member h	-1-20	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4a4

variables

14

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	Member h	1-96	Numeric
2	huyen	District	Member h	1-973	Numeric
3	xa	Commune	Member h	4-32248	Numeric
4	diaban	Enumerator area	Member h	1-91	Numeric
5	hoso	Household code	Member h	13-24	Numeric
6	matv	ID code	Member h	1-15	Numeric
7	m4ac20	Organization working for the second job	Member h	1-6	Numeric
				1	Farming, forestry, aquaculture households / individuals
				2	Independent production and business households
				3	Collective
				4	Private
				5	State-run
				6	Foreign-invested
8	m4ac21	Received salary/wages	Member h	1-2	Numeric
				1	Yes
				2	No
9	m4ac22	In cash or in kind received	Member h	1-15727	Numeric
10	m4ac23	Salaries/wages including	Member h	40-120832	Numeric
11	m4ac24a	In cash or in kind received	Member h	0-8055	Numeric
12	m4ac24b	Other bonuses	Member h	0-23392	Numeric
13	m4ac25	Taken any salary/wage	Member h	1-2	Numeric
				1	Yes
				2	No
14	m4ac26	Receive from this job	Member h	0-24523	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4a5

variables

12

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	Member having job	1-96	Numeric
2	huyen	District	Member having job	1-973	Numeric
3	xa	Commune	Member having job	4-32248	Numeric
4	diaban	Enumerator area	Member having job	1-91	Numeric
5	hoso	Household code	Member having job	13-24	Numeric
6	matv	ID code	Member having job	1-15	Numeric
7	m4ac27	Received unemployment benefit?	Member having job	1-2	Numeric
				1	Yes
				2	No
8	m4ac28a	Unemployment allowance	Member having job	0-9357	Numeric
9	m4ac28b	One-off severance pay	Member having job	0-139785	Numeric
10	m4ac28c	standard pension at a stipulated age	Member having job	0-102861	Numeric
11	m4ac28d	Premature pension	Member having job	0-72082	Numeric
12	m4ac28e	Allowance for loss of working capacity	Member having job	0-35025	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b0

variables

9

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b0ma	Types of land	Household having farm land	1-7	Numeric
				1	Annual crop land
					Perennial crop
				2	land
				3	Forestry land
				4	Water surface
					Gardens, ponds
					adjacent to
				5	residential land
					Shifting-cultivation
				6	farmland
				7	Others
7	m4b0c3	Area of land	Household having farm land	4-2815072	Numeric
		Paid in cash or in kind			
8	m4b0c4	for land rental	Household having farm land	0-80000	Numeric
		Revenue in cash or in			
		kind from renting land			
9	m4b0c5	out	Household having farm land	0-48938	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b11

variables

12

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b11ma	Harvested any product from cultivation	Household harvesting any product from cultivation	1-7	Numeric
				1	Winter-Spring plain rice?
				2	Summer-Autumn plain rice?
				3	Autumn-Winter plain rice?
				4	Upland plain rice?
				5	Annual total of plain rice?
				6	Annual total of sticky rice?
				7	Annual total of specialty rice?
7	m4b11c3	Cultivated area	Household harvesting any product from cultivation	40-161000	Numeric
8	m4b11c4	Harvested quantity	Household harvesting any product from cultivation	12-89770	Numeric
9	m4b11c5	Lost to pet, rat	Household harvesting any product from cultivation	0-1000	Numeric
10	m4b11c6	Put to sale or barter	Household harvesting any product from cultivation	0-87770	Numeric
11	m4b11c7	Proceeds from sales to barter	Household harvesting any product from cultivation	0-383440	Numeric
12	m4b11c8	value of the output harvested	Household harvesting any product from cultivation	72-393319	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b12 variables 11

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b12ma	Crop code	Household having crop	8-21	Numeric
				8	Maize (corn)
				9	Sweet potato
				10	Cassava/manioc
				11	Other staple food crops
				12	Potato
				13	Morning glory vegetable
				14	Kohlrabi
				15	Cabbage, cauliflower
				16	Cruciferous vegetables
				17	Edible beans
				18	Tomato
				19	Seasoning herb
					Other edible vegetables,
				20	fruits and roots
					Other annual crops
					(green, black and red
					bean, flowers, decorative
					plants, plants for animal
				21	feed and manure, etc.)
7	m4b12c3	Area grown	Household having crop	-1-80000	Numeric
8	m4b12c4	Kg harvested	Household having crop	1-114000	Numeric
9	m4b12c5	Put to sale or barter	Household having crop	0-114000	Numeric
		Total revenue from			
10	m4b12c6	sale or barter	Household having crop	0-798447	Numeric
		Value of the output			
11	m4b12c7	harvested	Household having crop	5-798447	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b13

variables

12

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b13ma	Crop code	All	22-38	Numeric
					22 Soya bean/soybean
					23 Peanut/groundnut
					24 Sesame
					25 Sugarcane
					Tobacco, rustic
					26 tobacco
					27 Cotton
					Jute, ramie (China
					28 grass)
					29 Sedge
					Other industrial
					30 annuals
					31 Tea
					32 Coffee
					33 Rubber
					34 Pepper
					35 Coconut
					36 Mulberry
					37 Cashew
					Other industrial
					38 perennials
7	m4b13c3a	Cultivated area	Household having crop	1-500000	Numeric
8	m4b13c3b	Code	Household having crop	1-2	Numeric
				1	M2
				2	Plant
9	m4b13c4	Kg harvested	Household having crop	1-236250	Numeric
10	m4b13c5	Put to sale or barter	Household having crop	0-236250	Numeric
11	m4b13c6	Total revenue from sale or barter	Household having crop	0-3508317	Numeric
12	m4b13c7	Value of the output harvested	Household having crop	9-3508317	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b14

variables

12

No	Variable nam	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b14ma	Crop type	All	39-54	Numeric
				39	Citrus
				40	Pineapple
				41	Banana
				42	Mango, horse mango
				43	Indian jujube
				44	Grape
				45	Plum
				46	Papaya
					Longan, lychee,
				47	rambutan
				48	Sapodilla
				49	Sugar-apple, soursop
				50	Jackfruit, durian
				51	Mangosteen
				52	Other fruit trees
				53	Other perennials
				54	Seedlings
7	m4b14c3a	Output from the acreage	Household having fruit trees	1-50000	Numeric
8	m4b14c3b	Code	Household having fruit trees	1-2	Numeric
				1	M2
				2	Plant
9	m4b14c4	Kg harvested	Household having fruit trees	1-62500	Numeric
10	m4b14c5	Put to sale or barter	Household having fruit trees	0-62300	Numeric
11	m4b14c6	Total revenue from sale or barter	Household having fruit trees	0-225000	Numeric
12	m4b14c7	Value of the output harvested	Household having fruit trees	5-225000	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b15

variables

10

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b15ma	Harvested code	All	1-10	Numeric
				1	Rice straw
				2	Sweet potato leaf and stem
				3	Maize or cassava stem
				4	Bean stem
				5	Sugarcane bud and leaf
				6	Jute and ramie stems
				7	Mulberry stem
				8	Firewood (from agricultural crops)
				9	Other by-products
				10	Collected products
7	m4b15c2	Revenues from sale	Household having harvested products	0-9302	Numeric
8	m4b15c3	Value used as animal feed	Household having harvested products	0-5528	Numeric
9	m4b15c4	Value used for other purposes	Household having harvested products	0-10502	Numeric
10	m4b15c5	Total values of by-product harvested	Household having harvested products	4-10502	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b16

variables

13

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b16ma	Code	All	1-911	Numeric
				1	Seeds
				2	Seedlings
					Chemical fertilizers (nitrate, phosphate, potash, NPK, etc...)
				3	Organic fertilizer (self- supplied)
				4	Organic fertilizer (outsourced)
				5	Pesticide
				6	Herbicide
				7	Small tools, cheap and undurable objects (sickle, scythe, hoe, shovel, etc)
				8	Energy, fuel
				9	Electricity
				9.1	Coal
				9.2	Coal briquette
				9.3	Petrol
				9.4	Kerosene
				9.5	Mazut oil
				9.6	Diesel oil
				9.7	LPG
				9.8	Natural gas
				9.9	Firewood
				9.1	Other energy and fuels
				9.11	Small repairs, maintenance
				10	Fixed asset depreciation
				11	Land rental and procurement
				12	Hire of assets, machines, vehicles and mechanical work;
				13	hire of transport
				14	Hire of ploughing cattle
				15	Paying outsourced labour
				16	Inner-field irrigation
				17	Payment of interest on loans taken out for production

				Other costs (charges, post, advertisement, marketing, production insurance, plant protection fund, field improvement fund, agri-extension fund, administration management fund, feed for ploughing cattle, etc)
7	m4b16c2a	Spent on rice	Household having crop	18
		Spent on staple food, other non-staple food		-2-92447
8	m4b16c2b	crops	Household having crop	-2-257497
9	m4b16c2c	Spent on industrial crops	Household having crop	Numeric
		Spent on fruit trees and other trees		-2-752401
10	m4b16c2d	except forest trees	Household having crop	Numeric
11	m4b16c2e	Total (2a-2e)	Household having crop	-2-40023
12	m4b16c2e1	State subsidy	Household having crop	2-752401
13	m4b16c2e2	Other assistance	Household having crop	0-39566
				Numeric
				0-3368

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b17

variables

11

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b17ma	Fertilizer code	All	1-5	Numeric
				1	Nitrogenous fertilizer
				2	Phosphorous fertilizer
				3	Kali
				4	NPK
				5	Other fertilizers
7	m4b17c2	Fertilizer using for paddy rice plant	Household having crops	-1-4650	Numeric
8	m4b17c3	Fertilizer using for other fruit crops	Household having crops	-1-30000	Numeric
9	m4b17c4	Fertilizer using for industrial crops	Household having crops	-1-15000	Numeric
10	m4b17c5	Fertilizer using for fruit trees, other trees except forest trees	Household having crops	-1-3600	Numeric
11	m4b17c6	Total of c2-c5	Household having crops	1-30000	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b21

variables

10

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b21ma	Code	All	1-19	Numeric
				1	Pork
				2	Beef and water buffalo meat
				3	Horsemeat
					Goat meat, sheep meat
				4	(lamb, hogget, mutton)
				5	Chicken
					Duck, Muscovy duck and
				6	goose meat
				7	Other poultry meat
				8	Piglet
				9	Calf and water buffalo calf
					Other young animals and
				10	poultry
					Other raised animals (bear,
				11	deer, rabbit, dog, etc)
					Poultry egg (chicken, duck,
				12	etc)
				13	Fresh milk
				14	Silk cocoon
				15	Honey of kept bees
					Other animal products (not
				16	slaughtered)
				17	Other outputs from husbandry
				18	Animal by-product
					Products from hunting,
					trapping, and domestication of
				19	birds and animals
			Household having husbandry, hunting, trapping and domestication of bird and animals		
7	m4b21c3	Quantity obtained	Household having husbandry, hunting, trapping and domestication of bird and animals	0-3285000	Numeric
			Household having husbandry, hunting, trapping and domestication of bird and animals		
8	m4b21c4a	Quantity sold or bartered	Household having husbandry, hunting, trapping and domestication of bird and animals	0-1319000	Numeric
			Household having husbandry, hunting, trapping and domestication of bird and animals		
9	m4b21c4b	Value sold or bartered,	Household having husbandry, hunting, trapping and domestication of bird and animals	0-2315764	Numeric
			Household having husbandry, hunting, trapping and domestication of bird and animals		
10	m4b21c5	Value of the output obtained	Household having husbandry, hunting, trapping and domestication of bird and animals	0-9801013	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b22a variables 20

No	Variable name in	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b22ma	Cost code	All	1-11	Numeric
				1	Pig/swine
				2	Cattle, water buffalo
				3	Horse
				4	Goat, sheep
				5	Chicken
				6	Duck, Muscovy duck, goose
				7	Other poultry
				8	Honey bee
				9	Silkworm
					Other products of husbandry
				10	(specify)
				11	Products from hunting, trapping and domestication
			Household having husbandry, hunting, trapping and domestication of bird and animals		
7	m4b22c7	Cost for young animals	Household having husbandry, hunting, trapping and domestication of bird and animals	0-3252154	Numeric
8	m4b22c8	Cost for feed	Household having husbandry, hunting, trapping and domestication of bird and animals	0-,1812846	Numeric
9	m4b22c9	Cost for medicine for animals	Household having husbandry, hunting, trapping and domestication of bird and animals	0-118800	Numeric
10	m4b22c10a	Cost for electricity	Household having husbandry, hunting, trapping and domestication of bird and animals	-2-201960	Numeric
11	m4b22c10b	Cost for coal	Household having husbandry, hunting, trapping and domestication of bird and animals	0-12289	Numeric
12	m4b22c10c	Cost for coal briquette	Household having husbandry, hunting, trapping and domestication of bird and animals	0-9500	Numeric
13	m4b22c10d	Cost for petrol	Household having husbandry, hunting, trapping and domestication of bird and animals	0-16653	Numeric
14	m4b22c10e	Cost for kerosene	Household having husbandry, hunting, trapping and domestication of bird and animals	0-208	Numeric

15	m4b22c10f	Cost for mazut oil	Household having husbandary, hunting, trapping and domestication of bird and animals	0-66	Numeric
16	m4b22c10g	Cost for diesel oil	Household having husbandary, hunting, trapping and domestication of bird and animals	0-22163	Numeric
17	m4b22c10h	Cost for LPG	Household having husbandary, hunting, trapping and domestication of bird and animals	0-4725	Numeric
18	m4b22c10i	Cost for natual gas	Household having husbandary, hunting, trapping and domestication of bird and animals	0-1210	Numeric
19	m4b22c10j	Cost for firewood	Household having husbandary, hunting, trapping and domestication of bird and animals	0-4764	Numeric
20	m4b22c10k	Other costs	Household having husbandary, hunting, trapping and domestication of bird and animals	-2-11816	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b22b

variables

15

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b22ma	Cost code	All	1-11	Numeric
				1	Pig/swine
				2	Cattle, water buffalo
				3	Horse
				4	Goat, sheep
				5	Chicken
				6	Duck, Muscovy duck, goose
				7	Other poultry
				8	Honey bee
				9	Silkworm
					Other products of husbandry
				10	(specify)
				11	Products from hunting, trapping and domestication
7	m4b22c11	Cost for water	Household having husbandary, hunting, trapping and domestication of bird and animals	0-9449	Numeric
8	m4b22c12	Depreciation of fixed assets	Household having husbandary, hunting, trapping and domestication of bird and animals	0-38154	Numeric
9	m4b22c13	Land rental or procurement	Household having husbandary, hunting, trapping and domestication of bird and animals	0-1467182	Numeric
10	m4b22c14	Hiring of machines, vehicles	Household having husbandary, hunting, trapping and domestication of bird and animals	-2-20598	Numeric
11	m4b22c15	Pay for outsourced labor	Household having husbandary, hunting, trapping and domestication of bird and animals	0-106180	Numeric
12	m4b22c16	Payment of interest for loans	Household having husbandary, hunting, trapping and domestication of bird and animals	0-594001	Numeric
13	m4b22c17	Business tax	Household having husbandary, hunting, trapping and domestication of bird and animals	0-1453	Numeric
14	m4b22c18	Other costs	Household having husbandary, hunting, trapping and domestication of bird and animals	-2-23026	Numeric

15	m4b22c19	Total of c7-c18	Household having husbandary, hunting, trapping and domestication of bird and animals	5-6950799	Numeric
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Explanatory documents for the VHLSS 2010

Name of the dataset muc4b31

variables

9

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b31ma	Code	All	1-5	Numeric
				1	Ploughing and soil preparation
				2	Irrigation
				3	Pest prevention and control
				4	Rice threshing, semi-processing
				5	Other services (artificial insemination, castration, etc)
7	m4b31c3	Number of months of having agriculture service activities	Household having agriculture service activities	0,5-12	Numeric
8	m4b31c4	Earned per month	Household having agriculture service activities	67-142660	Numeric
9	m4b31c5	Total revenues from agriculture service activities	Household having agriculture service activities	67-427981	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b32a

variables

19

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b32ma	Code of agriculture services	All	1-5	Numeric
				1	Ploughing and soil preparation
				2	Irrigation
				3	Pest prevention and control
				4	Rice threshing, semi-processing
				5	Other services (artificial insemination, castration, etc)
7	m4b32c7	Cost of materials	Household having agriculture service activities	0-302258	Numeric
8	m4b32c8	Small tools, cheap non-durables	Household having agriculture service activities	0-24001	Numeric
9	m4b32c9a	Cost for electricity	Household having agriculture service activities	0-10016	Numeric
10	m4b32c9b	Cost for coal	Household having agriculture service activities	0	Numeric
11	m4b32c9c	Cost for coal briquette	Household having agriculture service activities	0-1645	Numeric
12	m4b32c9d	Cost for petrol	Household having agriculture service activities	0-39296	Numeric
13	m4b32c9e	Cost for kerosene	Household having agriculture service activities	0-90240	Numeric
14	m4b32c9f	Cost for mazut oil	Household having agriculture service activities	0-7707	Numeric
15	m4b32c9g	Cost for diesel oil	Household having agriculture service activities	0-83340	Numeric
16	m4b32c9h	Cost for LPG	Household having agriculture service activities	0-8568	Numeric
17	m4b32c9i	Cost for natural gas	Household having agriculture service activities	0	Numeric
18	m4b32c9j	Cost for firewood	Household having agriculture service activities	0-1800	Numeric
19	m4b32c9k	Other costs	Household having agriculture service activities	0-4320	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b32b

variables

14

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b32ma	Code of agriculture services	All	1-5	Numeric
				1	Ploughing and soil preparation
				2	Irrigation
				3	Pest prevention and control
				4	Rice threshing, semi-processing
				5	Other services (artificial insemination, castration, etc)
7	m4b32c10	Household having agriculture service	Household having agriculture service	0-30529	Numeric
8	m4b32c11	Small repair, maintenance activities	Household having agriculture service	0-26250	Numeric
9	m4b32c12	Fixed asset depreciation activities	Household having agriculture service	0-1800	Numeric
10	m4b32c13	Renting of workshop floor, machines, vehicles, assets, and means of transportation	Household having agriculture service	0-105000	Numeric
11	m4b32c14		Household having agriculture service	0-9360	Numeric
12	m4b32c15		Household having agriculture service	0-1000	Numeric
13	m4b32c16		Household having agriculture service	0-18000	Numeric
14	m4b32c17		Household having agriculture service	10-322355	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b41

variables

13

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b41ma	Activity code	All	1-14	Numeric
					Vernicia montana, camellia
				1	sasanqua tree
				2	Cinnamon tree
				3	Anise
				4	Pine tree
				5	Shellac tree
				6	Wood tree
				7	Bamboo
				8	Palm tree
				9	Water coconut tree
				10	Other forest trees
				11	Firewood
				12	Planting, looking after, improvement of forests?
				13	Breeds of forest trees and products collected from forests?
				14	Other forestry services (forest protection, forestry management,...)
7	m4b41c3a	Values of outputs/revenues from production forest land allowcated to household over the past 12 months	Household having activities relating to forest	0-60604	Numeric
8	m4b41c3b	Values of outputs/revenues from production forest land not yet allowcated to household over the past 12 months	Household having activities relating to forest	0-26664	Numeric
9	m4b41c3c	Values of outputs/revenues from protection forest land allowcated to household over the past 12 months	Household having activities relating to forest	0-16497	Numeric
10	m4b41c3d	Values of outputs/revenues from protection forest land not yet allowcated to household over the past 12 months	Household having activities relating to forest	0-62088	Numeric
11	m4b41c3e	Values of outputs/revenues from other forest land over the past 12 months	Household having activities relating to forest	0-67000	Numeric
12	m4b41c3f	Values of outputs/revenues from activities (sum of 3a-3e) over the past 12 months	Household having activities relating to forest	19-67000	Numeric

13 m4b41c4	Value for sales or exchange	Household having activities relating to forest	0-67000	Numeric
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Explanatory documents for the VHLSS 2010

Name of the dataset muc4b42a

variables

20

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b42ma	Forest code	All	1-2	Numeric
				1	Forest activities
				2	Forest services
7	m4b42c1	Cost for seeds, seedlings	Household having activities relating to forest	0-6631	Numeric
8	m4b42c2	Costs for fertilizers,	Household having activities relating to forest	0-8673	Numeric
9	m4b42c3	Costs for small instruments	Household having activities relating to forest	0-2133	Numeric
10	m4b42c4a	Cost for electricity	Household having activities relating to forest	0-683	Numeric
11	m4b42c4b	Cost for coal	Household having activities relating to forest	0-120	Numeric
12	m4b42c4c	Cost for coal briquette	Household having activities relating to forest	0-3200	Numeric
13	m4b42c4d	Cost for petrol	Household having activities relating to forest	0-12500	Numeric
14	m4b42c4e	Cost for kerosene	Household having activities relating to forest	0-68	Numeric
15	m4b42c4f	Cost for mazut oil	Household having activities relating to forest	0-332	Numeric
16	m4b42c4g	Cost for diesel oil	Household having activities relating to forest	0-265	Numeric
17	m4b42c4h	Cost for LPG	Household having activities relating to forest	0-1006	Numeric
18	m4b42c4i	Cost for natural gas	Household having activities relating to forest	0	Numeric
19	m4b42c4j	Cost for firewood	Household having activities relating to forest	0-1466	Numeric
20	m4b42c4k	Other costs	Household having activities relating to forest	0-1184	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b42b

variables

16

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b42ma	Forest code	All	1-2	Numeric
				1	Forest activities
				2	Forest services
7	m4b42c5	Cost for small repair and maintenance	Household having activities relating to forest	0-2000	Numeric
8	m4b42c6	Fixed asset depreciation	Household having activities relating to forest	0-3001	Numeric
9	m4b42c7	Rent and use of procured land	Household having activities relating to forest	0-10000	Numeric
10	m4b42c8	Rent of asset and machines, rented means of transport	Household having activities relating to forest	0-8891	Numeric
11	m4b42c9	Rent of ploughing cattle	Household having activities relating to forest	0-3879	Numeric
12	m4b42c10	Cost of outsourced labours	Household having activities relating to forest	0-13798	Numeric
13	m4b42c11	Payment of loan interests	Household having activities relating to forest	0-4642	Numeric
14	m4b42c12	Business tax	Household having activities relating to forest	0-2809	Numeric
15	m4b42c13	Other costs	Household having activities relating to forest	0-20373	Numeric
16	m4b42c14	Total costs	Household having activities relating to forest	0-31768	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b51 variables 10

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b51ma	Aquaculture production code	All	3-23	Numeric
				1.1	Fish
				1.2	Shrimps
				1.3	Breeding fish, shrimps
				1.4	Other aquaculture
				2.1	Fish
				2.2	Shrimps
				2.3	Other aquaculture
				3	Aquacultural services
7	m4b51c3	Total catch	Household having aquaculture activities	1-357000	Numeric
8	m4b51c4a	Quantity for sales/exchange,	Household having aquaculture activities	0-357000	Numeric
9	m4b51c4b	Payment for labors	Household having aquaculture activities	0-3328000	Numeric
10	m4b51c5	Total values of production gained	Household having aquaculture activities	13-3328000	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4b52

variables

30

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4b52ma	Aquaculture cost code	All	1-3	
				1	Aquaculture production
				2	Aquaculture catch
				3	Aquaculture services
7	m4b52c6	Cost for breeds of aquaculture	Household having aquaculture activities	0-150000	Numeric
8	m4b52c7	Cost for feed	Household having aquaculture activities	0-2771000	Numeric
9	m4b52c8	Cost for small instruments	Household having aquaculture activities	0-46636	Numeric
10	m4b52c9a	Cost for electricity	Household having aquaculture activities	0-18000	Numeric
11	m4b52c9b	Cost for coal	Household having aquaculture activities	0	Numeric
12	m4b52c9c	Cost for coal briquette	Household having aquaculture activities	0-700	Numeric
13	m4b52c9d	Cost for petrol	Household having aquaculture activities	0-9000	Numeric
14	m4b52c9e	Cost for kerosene	Household having aquaculture activities	0-106710	Numeric
15	m4b52c9f	Cost for mazut oil	Household having aquaculture activities	0-20969	Numeric
16	m4b52c9g	Cost for diesel oil	Household having aquaculture activities	0-1492682	Numeric
17	m4b52c9h	Cost for LPG	Household having aquaculture activities	0-41567	Numeric
18	m4b52c9i	Cost for natural gas	Household having aquaculture activities	0	Numeric
19	m4b52c9j	Cost for firewood	Household having aquaculture activities	0-360	Numeric
20	m4b52c9k	Other costs	Household having aquaculture activities	0-684532	Numeric
21	m4b52c10	Cost for salt, ice water	Household having aquaculture activities	0-92606	Numeric
22	m4b52c11	Cost for small repair, maintenance	Household having aquaculture activities	0-147198	Numeric
23	m4b52c12	Depreciation of fixed assets	Household having aquaculture activities	0-176730	Numeric
24	m4b52c13	Rent and use of procured land	Household having aquaculture activities	0-40000	Numeric
25	m4b52c14	Rent of assets and machines, rented means of transport	Household having aquaculture activities	0-179449	Numeric
26	m4b52c15	Cost of outsourced labors	Household having aquaculture activities	0-636226	Numeric
27	m4b52c16	Interest payment for loans for aquaculture related activities	Household having aquaculture activities	0-144000	Numeric
28	m4b52c17	Business tax	Household having aquaculture activities	0-5438	Numeric
29	m4b52c18	Other costs	Household having aquaculture activities	0-189518	Numeric
30	m4b52c19	Total	Household having aquaculture activities	2-3200100	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4c1

variables

23

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4c1ma	Activities relating to non-agriculture, forestry and aquaculture	All	1-4	Numeric
7	m4c1c2	Sectoral code	All	6-98	Numeric
8	m4c1c3	Number of months	Household having activities relating to non-agriculture, forestry and aquaculture	0,3,12	Numeric
9	m4c1c4	Posses entire activity	Household having activities relating to non-agriculture, forestry and aquaculture	1-2 1 2	Numeric Yes No
10	m4c1c5	Number of household related to activity	Household having activities relating to non-agriculture, forestry and aquaculture	2-7	Numeric
11	m4c1c6	Percentage of income received from this activity	Household having activities relating to non-agriculture, forestry and aquaculture	14-100	Numeric
12	m4c1c7	Registered for business	Household having activities relating to non-agriculture, forestry and aquaculture	1-3 1 2 3	Numeric Yes, by type of enterprise Yes, by type of individual household enterprise No
13	m4c1c8	Product for sale/exchange or service supply	Household having activities relating to non-agriculture, forestry and aquaculture	1-2 1 2	Numeric Có Không
14	m4c1c9	Average revenue per month	Household having activities relating to non-agriculture, forestry and aquaculture	40-576737	Numeric
15	m4c1c10	Revenue over past 12 months	Household having activities relating to non-agriculture, forestry and aquaculture	40-6920845	Numeric
16	m4c1c11	Exchange products for other products/services	Household having activities relating to non-agriculture, forestry and aquaculture	1-2 1 2	Numeric Có Không
17	m4c1c12	Value of exchanged products	Household having activities relating to non-agriculture, forestry and aquaculture	24-9363	Numeric

18	m4c1c13	Products used/consumed by household	Household having activities relating to non-agriculture, forestry and aquaculture	1-2 1 2	Numeric Có Không
19	m4c1c14	Value of used/consumed products	Household having activities relating to non-agriculture, forestry and aquaculture	10-72323	Numeric
20	m4c1c15	Products used/sold by household	Household having activities relating to non-agriculture, forestry and aquaculture	1-2 1 2	Numeric Có Không
21	m4c1c16	Value of used/sold products	Household having activities relating to non-agriculture, forestry and aquaculture	4-63182	Numeric
22	m4c1c17	Total revenue	Household having activities relating to non-agriculture, forestry and aquaculture	0-6920845	Numeric
23	m4c1c18	Total revenue divided by household	Household having activities relating to non-agriculture, forestry and aquaculture	0-6920845	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4c2

variables

32

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4c2ma	Activities relating to non-agriculture, forestry and aquaculture	All	1-4	Numeric
7	m4c2c19	Cost for main and minor materials	Household having activities relating to non-agriculture, forestry and aquaculture	0-4151528	Numeric
8	m4c2c20	Cost for small, cheap, undurable tools	Household having activities relating to non-agriculture, forestry and aquaculture	0-68530	Numeric
9	m4c2c21a	Cost for electricity	Household having activities relating to non-agriculture, forestry and aquaculture	0-161688	Numeric
10	m4c2c21b	Cost for coal	Household having activities relating to non-agriculture, forestry and aquaculture	0-1565437	Numeric
11	m4c2c21c	Cost for coal briquette	Household having activities relating to non-agriculture, forestry and aquaculture	0-21873	Numeric
12	m4c2c21d	Cost for petrol	Household having activities relating to non-agriculture, forestry and aquaculture	0-135668	Numeric
13	m4c2c21e	Cost for kerosene	Household having activities relating to non-agriculture, forestry and aquaculture	0-71280	Numeric
14	m4c2c21f	Cost for mazut oil	Household having activities relating to non-agriculture, forestry and aquaculture	0-209140	Numeric
15	m4c2c21g	Cost for diesel oil	Household having activities relating to non-agriculture, forestry and aquaculture	0-762330	Numeric
16	m4c2c21h	Cost for LPG	Household having activities relating to non-agriculture, forestry and aquaculture	0-53732	Numeric

17	m4c2c21i	Cost for natural gas	Household having activities relating to non-agriculture, forestry and aquaculture	0-8641	Numeric
18	m4c2c21j	Cost for firewood	Household having activities relating to non-agriculture, forestry and aquaculture	0-59201	Numeric
19	m4c2c21k	Other costs	Household having activities relating to non-agriculture, forestry and aquaculture	0-27336	Numeric
20	m4c2c22	Cost for water	Household having activities relating to non-agriculture, forestry and aquaculture	0-24168	Numeric
21	m4c2stt	Activities relating to non-agriculture, forestry and aquaculture	Household having activities relating to non-agriculture, forestry and aquaculture	1-4	Numeric
22	m4c2c23	Cost for minor repair, maintenance	Household having activities relating to non-agriculture, forestry and aquaculture	0-113981	Numeric
23	m4c2c24	Depreciation of fixed assets	Household having activities relating to non-agriculture, forestry and aquaculture	0-237502	Numeric
24	m4c2c25	Rent of land, workshop, shops, machines, and other means of production	Household having activities relating to non-agriculture, forestry and aquaculture	0-226075	Numeric
25	m4c2c26	Cost for transport	Household having activities relating to non-agriculture, forestry and aquaculture	0-133216	Numeric
26	m4c2c27	Cost of labor	Household having activities relating to non-agriculture, forestry and aquaculture	0-2037011	Numeric
27	m4c2c28	Loan interests	Household having activities relating to non-agriculture, forestry and aquaculture	0-261152	Numeric
28	m4c2c29	Taxes, fees, charges	Household having activities relating to non-agriculture, forestry and aquaculture	0-582149	Numeric
29	m4c2c30	Cost of treatment of sewage and solid waste	Household having activities relating to non-agriculture, forestry and aquaculture	0-5000	Numeric

30	m4c2c31	Other costs	Household having activities relating to non-agriculture, forestry and aquaculture	0-880765	Numeric
31	m4c2c32	Total costs	Household having activities relating to non-agriculture, forestry and aquaculture	0-5830543	Numeric
32	m4c2c33	Total costs divided by household	Household having activities relating to non-agriculture, forestry and aquaculture	0-5830543	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc4d

variables

29

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m4dc2_01	Cash and kind sent as a gift or aid for domestic use by non-members of the household from overseas	All	0-661227	Numeric
7	m4dc2_02	- Cash and kind (value) for domestic use sent as a gift or aid by relatives residing and working overseas temporarily	All	0-661227	Numeric
8	m4dc2_03	- Gift of housing	All	0-66509	Numeric
9	m4dc2_04	- Gift of automobile(s) for domestic use	All	0	Numeric
10	m4dc2_05	- Other gifts of assets for domestic use	All	0-91240	Numeric
11	m4dc2_06	Cash and kind (value) for domestic use sent as a gift or aid by non-members of the household from within the country	All	0-1112385	Numeric
12	m4dc2_07	- Cash and kind (value) for domestic use sent as a gift or aid by relatives residing and working overseas temporarily	All	0-193345	Numeric
13	m4dc2_08	- Gift of housing	All	0-889908	Numeric
14	m4dc2_09	- Gift of automobile(s) for domestic use	All	0-472516	Numeric
15	m4dc2_10	- Other gifts of assets for domestic use	All	0-207293	Numeric
16	m4dc2_11	Wedding cash gifts after deducting expenses of guests' food and drinks	All	-20199-54384	Numeric
17	m4dc2_12	Funeral cash tributes after deducting expenses of guests' food and drinks	All	-12000-136907	Numeric
18	m4dc2_13	Social benefits for war invalids, families of fallen combatants, and individuals/families with revolutionary merits	All	0-79642	Numeric
19	m4dc2_14	Social benefits for beneficiary households of social policies	All	0,37618	Numeric
20	m4dc2_15	Assistance to overcome natural disasters and fire	All	0-16010	Numeric
21	m4dc2_16	From types of insurance (excluding social, health and life insurance)	All	0-37427	Numeric
22	m4dc2_17	Interests of savings deposits, stocks, shares, lending, contributed capital	All	0-842162	Numeric
23	m4dc2_18	Revenues from renting out workshop floors, machines, assets and facilities not included in sections of sectoral production and business (except housing, farming and forest land, and water surface for aquaculture production)	All	0-543781	Numeric

		Revenues as donations from organizations, humanitarian aid, associations and units of production and business	All	0-47455	Numeric
24	m4dc2_19				
25	m4dc2_20	Others	All	0-648921	Numeric
26	m4dc2_21	No information	All		
27	m4dc2_22	No information	All		
28	m4dc2_23	No information	All		
29	m4dc2_24	No information	All		

Explanatory documents for the VHLSS 2010

Name of the dataset muc5a1

variables

10

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m5a1ma	Expenditure code	All	101-154	Numeric
				101	Fragrant plain rice, specialty rice?
				102	Sticky rice?
				110	Pork (with fat removed)?
				111	Beef?
				112	Buffalo meat?
				113	Chicken meat?
				114	Duck and other poultry meat?
					Other types of meat? (goats, dogs, sheep, wild animals, birds,...)
				115	Processed meat? (boiled pork pies, fried pork pies, roasted pork, sausages,...)
				116	Fresh shrimp, fish?
				118	Other aqua-products and seafood? (crabs, snails,...)
				120	Eggs of chickens, ducks, Muscovy ducks, and geese?
				121	Beans of various kinds?
				124	Fruits?
				134	Sugar, molasses?
				139	Confectionery?
				140	Alcohol of various kinds?
				144	Beer of various kinds?
				145	Bottled, canned, boxed beverages?
				146	Coffee?
				148	Dried tea?
				150	Cigarettes, tobacco for water pipes?
				151	Outdoors meals and drinks?
				153	Other meals and drinks? (Other food and foodstuff, additives, seasonings, ...)
				154	
7	m5a1c2a	Quantity purchased/exchanged Value	All	-1-535	Numeric
8	m5a1c2b	Quantity of self-subsidy, purchased/exchanged	All	0-8000	Numeric
9	m5a1c3a	Value of self-subsidy, gift or donation	All	-1-425	Numeric
10	m5a1c3b	Value of self-subsidy, gift or donation	All	0-8000	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc5a2

variables

14

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m5a2ma	Expenditure code	All	101-154	Numeric
				101	Plain rice? (including fragrant and specialty rice)
				102	Sticky rice?
				103	Maize? (in seed equivalent)
				104	Cassava? (in fresh-type equivalent)
				105	Potato of various kinds? (in fresh-type equivalent)
				106	Wheat grains, bread, wheat powder?
				107	Flour noodle, instant rice noodle/porridge?
				108	Fresh rice noodle, dried rice noodle?
				109	Vermicelli?
				110	Pork? (in equivalent of the pork type with removed fat)
				111	Beef?
				112	Buffalo meat?
				113	Chicken meat?
				114	Duck and other poultry meat?
				115	Other types of meat? (goats, dogs, sheep, wild animals, birds,...)
				116	Processed meat (boiled pork pies, fried pork pies, roasted pork, sausages,...)
				117	Lard, cooking oil?
				118	Fresh shrimp, fish?
				119	Dried and processed shrimps, fish?
				120	Other aquatic products and seafood? (crabs, snails,...)
				121	Eggs of chickens, ducks, Muscovy ducks, geese?
				122	Tofu?
				123	Peanuts, sesame?
				124	Beans of various kinds?
				125	Fresh peas of various kinds?
				126	Morning glory vegetables?
				127	Kohlrabi?
				128	Cabbage?
				129	Tomato?
				130	Other vegetables? (gourd, winter melon, cucumber, cabbage, squash...)
				131	Orange?
				132	Banana?
				133	Mango?
				134	Other fruits? (rambutan melon, papaya, guava, litchi, grapes,...)
				135	Fish sauce?
				136	Salt?
				137	MSG?
				138	Glutamate?
				139	Sugar, molasses?
				140	Confectionery?
				141	Condensed milk, milk powder?
				142	Ice cream, yoghurt?
				143	Fresh milk?
				144	Alcohol of various kinds?
				145	Beer of various kinds?

					146	Bottled, canned, boxed beverages? (pure water, carbonated drinks, juice, fruit smoothies, pep drinks,...)
					147	Instant coffee?
					148	Coffee powder?
					149	Instant tea powder?
					150	Other dried tea?
					151	Cigarettes, waterpipe tobacco?
					152	Betel leaves, areca nuts, lime, betel pieces?
					153	Outdoors meals and drinks? (breakfast, lunch, dinner)?
					154	Other food and drinks? (other processed food and foodstuff, additives, seasonings, ...)
7	m5a2c2a	Quantity consumed	All		0.1-1000	Numeric
8	m5a2c2b	Value consumed	All		0-22800	Numeric
9	m5a2c3a	Consumed quantity of purchase or exchange	All		0-1000	Numeric
10	m5a2c3b	Consumed value of purchase or exchange	All		0-22800	Numeric
11	m5a2c4a	Consumed quantity of self-subsidy	All		0-220	Numeric
12	m5a2c4b	Consumed value of self-subsidy	All		0-6800	Numeric
13	m5a2c5a	Consumed quantity of gift, donation, present	All		0-150	Numeric
14	m5a2c5b	Consumed value of gift, donation, present	All		0-4000	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc5b1

variables

10

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m5b1ma	Expenditure code	All	201-228	Numeric
				201	Pocket money for children?
				202	Coal?
				203	Coal briquette?
				204	Petroleum?
				205	Kerosene?
				206	Mazut oil?
				207	Diesel oil?
				208	LPG?
				209	Natural gas?
				210	Firewood, husk, sawdust?
				211	Farm by-products? (straw,
				212	Other types of fuel?
				213	Deposit fees for vehicles?
				214	Matches, candles, fire stones,
				215	Soap/ detergent, softening
				216	Dish washing liquid, floor-
				217	Shampoo, conditioner?
				218	Bath soap, shower gel?
				219	Skin-nourishing cream,
				220	Tooth paste and brush?
				221	Toilet paper, razor?
				222	Books, newspapers,
				223	Books, newspapers for
				224	Fresh flowers?(excluding
				225	Lottery tickets?
				226	Regular worship activities?
				227	Hair cut, hair dressing
				228	Other daily expenditures?
7	m5b1c2	Value consumed	All	1-11500	Numeric
8	m5b1c3	Consumed quantity of purchase or exchange	All	0-11500	Numeric
9	m5b1c4	Consumed quantity of self-subsidy	All	0-2500	Numeric
10	m5b1c5	Consumed quantity of gift, donation, present	All	0-1170	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc5b2

variables

8

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m5b2ma	Expenditure code	All	301-336	Numeric
				301	Fabrics?
					Garment? (including
				302	underwear)
					Anti-mosquito nets and
				303	cotton gauze?
					Kerchiefs, turbans, scarfs
				304	of various kinds?
					Mats, blankets, bed
					sheets, pillows, curtains,
				305	table-cloth?
					Other garment
					accessories? (needle,
				306	thread, socks,...)
					Fees of tailoring, washing
				307	and ironing?
					Shoes, slippers, wooden
				308	underfoot?
					Plastics, conical hats,
					hats, umbrellas of various
				309	kinds?
					Electrical appliances: light
					bulbs, electrical cords,
				310	plugs, fuses,...?
					Ceramics and glassware:
					bowls, plates, teapots,
				311	cups,...?
					Pots, saucepans, frying-
				312	pans, barrels, buckets?
				313	Thermos, inner thermos?
				314	Bags?
					Torches, batteries for
				315	lighting, TVs, radio?
					Hammock, cradles, cots,
				316	prams?
					Other expenditures on
				317	household utensils?
					Inner tubes, tires, and
				318	spare parts of bicycles?
					Inner tubes, tires, and
					spare parts of scooters,
				319	automobiles?
					Maintenance and repair of
				320	household utensils?
					Travel expenditure?
					(including fees for boats,
				321	ferries, and others)
					Paintings, photos,
				322	ornamental plants?

			323	Sports facilities?	
			324	Adult toys?	
			325	Child toys?	
			326	Envelops, postal stamps, postal fees?	
			327	Fees of phone subscription, calls, and repairs	
			328	Internet (costs of installation, subscription, access)	
			329	Expenditures on plastic (cosmetic) surgeries, gym exercises?	
			330	Entertainment (cinemas, music, video, sports)?	
			331	Domestic holidays?	
			332	Overseas holidays?	
			333	Watches, eyewear, jewellery?	
			334	Expenditures on other cultural activities?	
			335	Hiring domestic helps?	
			336	Other annual expenditures?	
7	m5b2c2	Consumed value of purchase or exchange	All	0-150000	Numeric
8	m5b2c3	Consumed quantity of self-subsidy, gift, donation, present	All	0-50000	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc5b3

variables

14

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m5b3c2_1	Fees and charges on administrative and legal services for daily-life requirements (certificates of marriage, birth, and death, notary services...)	All	0-120000	Numeric
7	m5b3c2_2	Fund contributions? (funds in aid of natural calamity victims, for charitable activities, poverty reduction, study encouragement,...)	All	0-7000	Numeric
8	m5b3c2_3	Cash contributions in lieu of public labor and other obligations?	All	0-4000	Numeric
9	m5b3c2_4	Taxes of various kinds (except production taxes), e.g. PIT, and taxes for transfer of use rights of houses and residential land?	All	0-38500	Numeric
10	m5b3c2_5	Engagement and wedding parties of the household (after deducting expenditures on guests' food and drinks)?	All	0-60000	Numeric
11	m5b3c2_6	Funerals and death anniversaries of the household (after deducting expenditures on guests' food and drinks)?	All	0-80000	Numeric
12	m5b3c2_7	Organization of parties and entertaining activities? (birthdays, opening ceremonies, guest reception,...)	All	0-30000	Numeric
13	m5b3c2_8	Gift, donation, assistance, tributes, contributions to death anniversaries... to other households? (in cash and kind)	All	0-153150	Numeric
14	m5b3c2_9	Other expenditures?(damages for other people, non-student body insurance, traffic insurance, housing and assets insurance,...)	All	0-74000	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc6

variables

42

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m6ma_01	Automobile(s)	All	0-37	Numeric
7	m6ma_02	Motorbike(s)	All	0-37	Numeric
8	m6ma_03	Bicycle(s)	All	0-37	Numeric
9	m6ma_04	Ship(s), boat(s), junk(s), outer part with a motor	All	0-37	Numeric
10	m6ma_05	Ship(s), boat(s), junk(s), outer part without a motor	All	0-37	Numeric
11	m6ma_06	Other means of travel	All	0-37	Numeric
12	m6ma_07	Pumping machine(s)	All	0-37	Numeric
13	m6ma_08	Electricity generator(s)	All	0-37	Numeric
14	m6ma_09	Printer(s)	All	0-37	Numeric
15	m6ma_10	Fax machine(s)	All	0-37	Numeric
16	m6ma_11	Landline telephone(s)	All	0-37	Numeric
17	m6ma_12	Mobile telephone(s)	All	0-37	Numeric
18	m6ma_13	Sewing machine(s)	All	0-37	Numeric
19	m6ma_14	Video player(s), DVD player(s), digital player(s), satellite antenna	All	0-37	Numeric
20	m6ma_15	Color TV(s)	All	0-37	Numeric
21	m6ma_16	Black and white TV(s)	All	0-37	Numeric
22	m6ma_17	Music rack of various kinds	All	0-37	Numeric
23	m6ma_18	Radio/radio-cassette player(s)	All	0-37	Numeric
24	m6ma_19	Disk player(s)	All	0-37	Numeric
25	m6ma_20	Computer(s)	All	0-37	Numeric
26	m6ma_21	Camera(s), video recorder(s)	All	0-37	Numeric
27	m6ma_22	Refrigerator(s)	All	0-37	Numeric
28	m6ma_23	Air conditioner(s)	All	0-37	Numeric
29	m6ma_24	Washing machine(s), (clothes-) drying machine(s)	All	0-37	Numeric
30	m6ma_25	Electric fan(s)	All	0-37	Numeric
31	m6ma_26	(Bath) water heater(s)	All	0-36	Numeric
32	m6ma_27	Gas cooker(s), magnetic cooker(s)	All	0-35	Numeric
33	m6ma_28	Electric cooker(s), electric rice cooker(s), pressure cooker(s)	All		Numeric
34	m6ma_29	Trolleys of various kinds	All		Numeric
35	m6ma_30	Cupboard(s), cabinet(s), wardrobe(s) (of various kinds)	All		Numeric
36	m6ma_31	Bed(s)	All		Numeric
37	m6ma_32	Desk(s), chair(s), long bench(es), dressing table(s)	All		Numeric
38	m6ma_33	Vacuum cleaner(s), dehumidifier(s), water filter(s)	All		Numeric
39	m6ma_34	Microwave oven(s), baking oven(s)	All		Numeric
40	m6ma_35	Juice extractor(s), citrus juicer(s)	All		Numeric
41	m6ma_36	Piano(s), keyboard(s)	All		Numeric
42	m6ma_37	Others	All		Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset muc6b

variables

11

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
		Names of durables purchased or received or self-produced over the past 10 years	All	1-37	Numeric
6	m6c2	Quantity of durables purchased or received or self-produced over the past 10 years	All	-1-15	Numeric
7	m6c3	Year purchase or receive or self-produce it	All	-1-12	Numeric
8	m6c4t	Month purchase or receive or self-produce it	All	-1-2010	Numeric
9	m6c4n	Value at purchased reception, self-production	All	0-1080000	Numeric
10	m6c5	Remaining value in current time	All	-1-1200000	Numeric
11	m6c6				

Explanatory documents for the VHLSS 2010

Name of the dataset muc7

variables

30

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m7c1	Number of houses	All	0,11	Numeric
7	m7c2	Total residential area?	All	-1,660	Numeric
8	m7c3	Main material as poles (or pillars, or carrying walls) of the house where household lives now	All	1-5	Numeric
				1	Reinforcement concrete
				2	Bricks/stones
				3	Iron/steel/good wood
				4	Poor-quality wood/bamboo
9	m7c4	Main material as roofing of the house where household lives now	All	5	Others
				1-5	Numeric
				1	Reinforcement concrete
				2	Tiles (cement, terracotta)
				3	Roof slabs (cement, metal)
10	m7c5	Main material as walls or surroundings of the house where household lives now	All	4	Leave/straw/rolled roofing
				5	Others
				1-6	Numeric
				1	Reinforcement concrete
				2	Bricks/stones
11	m7c6	Household pay rents?	All	3	Wood/metal
				4	Calcareous soil/straw
				5	Bamboo partitions/hardboards
				6	Others
				1-2	Numeric
12	m7c7	Value pay for rent	All	1	Yes
				2	No
13	m7c8	Duration of the existing rental contract	All	120-180000	Numeric
14	m7c9	Whole accommodation were now put on sale	All	-1-24000	Numeric
15	m7c10	Any other residential land lots or houses	All	-1-30000000	Numeric
				1-2	Numeric
				1	Yes
16	m7c11	receive rents from those residential land lots or houses	All	2	No
				1-2	Numeric
				1	Yes
17	m7c12	Value household received from leasing residential land and houses	All	2	No
				0-543781	Numeric

18 m7c13	Expenditures on house repair and maintenance over the past 12 months	All	0-87977	Numeric
19 m7c14	Main drinking water supply of household	All	1-10	Numeric
			1	tap water reaching the house
			2	public tap water
			3	drilled well
			4	protected dug well
			5	unprotected dug well
			6	protected stream water
			7	unprotected stream water
			8	Bought water (in bottles, jars, or small vehicles...)
			9	rain water
			10	Others
20 m7c15a	Treat drinking water	All	1-2	Numeric
			1	Yes
			2	No
21 m7c15b	Money has household spent on water for drinking and other daily activities	All	1-2	Numeric
			1	Yes
			2	No
22 m7c16	Spent on water for drinking and other daily activities	All	0-8400	Numeric
23 m7c17	Toilets household use	All	1-6,9	Numeric
			1	septic/semi-septic tank
			2	sulabh
			3	double septic tank
			4	fishing bridge
			5	Others
			6	None
			9	Missing
24 m7c18	Main lighting in household	All	1-4	Numeric
			1	National-grid electricity
			2	Battery or generator or small-scale-hydro electricity
			3	Gas, oil lamps of various kinds
			4	Others
25 m7c19	Spent on electricity for daily consumption (value)	All	-1-23000	Numeric
26 m7c19k	Spent on electricity for daily consumption (in Kwh)	All	-1-2538	Numeric
27 m7c20	Spent on electricity for daily activities over the past 12 months	All	0-280000	Numeric
28 m7c21	Treated daily-life waste over the past 12 months	All	1-6	Numeric
			1	Somebody else collects it
			2	Dumping into ponds, lakes, rivers, streams
			3	Dumping in a nearby site
			4	Landfill burial
			5	Burning
			6	Others

29 m7c22	money has your household on collection of daily-life waste	All	0-900	Numeric
	Total expenditures on housing, electricity, water, waste			
30 m7c23		All	0-280000	Numeric

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Name of the dataset muc8 variables 53

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m8c1a	Classified as 'poor' house	All	1-2,9	Numeric
				1	Yes
				2	No
				9	Missing
7	m8c1b	Classified as 'poor' house	All	1-2,9	Numeric
				1	Yes
				2	No
				9	Missing
8	m8c1c	Classified as 'poor' house	All	1-2,9	Numeric
				1	Yes
				2	No
				9	Missing
9	m8c1d	Classified as 'poor' house	All	1-2	Numeric
				1	Yes
				2	No
10	m8c1e	Classified as 'poor' house	All	1-2	Numeric
				1	Yes
				2	No
		a. Support in purchasing health insurance cards in 2009	All	1-3	Numeric
11	m8c21_01			1	Yes
				2	No
				3	Don't know
		b. Reduction of and exemption from costs of medical checks/treatment for the poor in 2009	All		Numeric
12	m8c21_02			1	Yes
				2	No
				3	Don't know
		c. Reduction of and exemption from tuition fees for the poor in 2009	All		Numeric
13	m8c21_03			1	Yes
				2	No
				3	Don't know
		d. Policy-based scholarships in 2009	All		Numeric
14	m8c21_04			1	Yes
				2	No
				3	Don't know

15	m8c21_05	e. Vocational training for the poor and low-income earners in 2009	All	1 2 3	Numeric Yes No Don't know
16	m8c21_06	f. Support in housing and residential land for poor households in 2009	All	1 2 3	Numeric Yes No Don't know
17	m8c21_07	g. Support in cleaning/improving daily-life water supplies for poor households in 2009	All	1 2 3	Numeric Yes No Don't know
18	m8c21_08	h. Providing productive land for poor ethnic minorities households in 2009	All	1 2 3	Numeric Yes No Don't know
19	m8c21_09	i. Extension services in agriculture, forestry and fisheries in 2009	All	1 2 3	Numeric Yes No Don't know
20	m8c21_10	j. Support in migrating abroad for employment in 2009	All	1 2 3	Numeric Yes No Don't know
21	m8c21_11	k. Food aid in 2009	All	1 2 3	Numeric Yes No Don't know
22	m8c21_12	l. Subsidized petroleum/kerosene for fishing boat(s)/vessel(s) in 2009	All	1 2 3	Numeric Yes No Don't know
23	m8c21_13	m. Preferential credit for the poor in 2009	All	1 2 3	Numeric Yes No Don't know

24	m8c21_14	n. Support in machinery, production inputs (fertiliser, breed animals, seedlings,...) in 2009	All	1 2 3	Numeric Yes No Don't know
25	m8c21_15	o. Others (kerosene,...) in 2009	All	1 2 3 9	Numeric Yes No Don't know Missing
26	m8c22_01	a. Support in purchasing health insurance cards in 2010	All	1 2 3	Numeric Yes No Don't know
27	m8c22_02	b. Reduction of and exemption from costs of medical checks/treatment for the poor in 2010	All	1 2 3	Numeric Yes No Don't know
28	m8c22_03	c. Reduction of and exemption from tuition fees for the poor in 2010	All	1 2 3	Numeric Yes No Don't know
29	m8c22_04	d. Policy-based scholarships in 2010	All	1 2 3	Numeric Yes No Don't know
30	m8c22_05	e. Vocational training for the poor and low-income earners in 2010	All	1 2 3	Numeric Yes No Don't know
31	m8c22_06	f. Support in housing and residential land for poor households in 2010	All	1 2 3	Numeric Yes No Don't know

32	m8c22_07	g. Support in cleaning/improving daily-life water supplies for poor households in 2010	All	1 2 3	Numeric Yes No Don't know
33	m8c22_08	h. Providing productive land for poor ethnic minorities households in 2010	All	1 2 3	Numeric Yes No Don't know
34	m8c22_09	i. Extension services in agriculture, forestry and fisheries in 2010	All	1 2 3	Numeric Yes No Don't know
35	m8c22_10	j. Support in migrating abroad for employment in 2010	All	1 2 3	Numeric Yes No Don't know
36	m8c22_11	k. Food aid in 2010	All		Numeric
37	m8c22_12	l. Subsidized petroleum/kerosene for fishing boat(s)/vessel(s) in 2010	All	1 2 3	Numeric Yes No Don't know
38	m8c22_13	m. Preferential credit for the poor in 2010	All	1 2 3	Numeric Yes No Don't know
39	m8c22_14	n. Support in machinery, production inputs (fertiliser, breed animals, seedlings,...) in 2010	All	1 2 3	Numeric Yes No Don't know
40	m8c22_15	o. Others (kerosene,...) in 2010	All	1 2 3	Numeric Yes No Don't know
41	m8c2a	Number of months of vocational training provided	All	1-10	Numeric

42 m8c2b	The total area that household has been provided	All	500,57000	Numeric
43 m8c3	In 2010, borrowed from or remained indebted to preferential credit schemes for the poor	All	1-2 1 2	Numeric Yes No
44 m8c9	Living conditions in your household improved, compared with 5 years ago (2006)	All	1-4,9 1 2 3 4 9	Numeric Yes, substantially Yes, slightly The same as before Worsened Don't know
45 m8c10a	The first importance reason why it is 'the same as before'/'worsened'	All	1-12 1 2 3 4 5 6 7 8 9 10 11 12	Numeric Increased production costs in agriculture, forestry and fisheries Low selling prices of agricultural, forestry and fisheries products Cattle and poultry suffer from epidemics or death Droughts, floods, pests, and harvest loss affect agricultural, forestry and fisheries production Household member(s) is sick or dies High prices of food, foodstuff, and other consumer goods Low incomes Job loss or underemployment Conflicts or other problems among family members/friends/neighbors Decreased arable land/water surface for aquaculture production Unfortunate events (house on fire, stealth, traffic accident) Other reasons
46 m8c10b	The second importance reason why it is 'the same as before'/'worsened'	All	1-12	Numeric

					1	Increased production costs in agriculture, forestry and fisheries
					2	Low selling prices of agricultural, forestry and fisheries products
					3	Cattle and poultry suffer from epidemics or death
					4	Droughts, floods, pests, and harvest loss affect agricultural, forestry and fisheries production
					5	Household member(s) is sick or dies
					6	High prices of food, foodstuff, and other consumer goods
					7	Low incomes
					8	Job loss or underemployment
					9	Conflicts or other problems among family members/friends/neighbors
					10	Decreased arable land/water surface for aquaculture production
					11	Unfortunate events (house on fire, stealth, traffic accident)
					12	Other reasons
					47 m8c10c	The third importance reason why it is 'the same as before'/'worsened'
					1	Increased production costs in agriculture, forestry and fisheries
					2	Low selling prices of agricultural, forestry and fisheries products
					3	Cattle and poultry suffer from epidemics or death
					4	Droughts, floods, pests, and harvest loss affect agricultural, forestry and fisheries production
					5	Household member(s) is sick or dies
					6	High prices of food, foodstuff, and other consumer goods
					7	Low incomes
					8	Job loss or underemployment

				9	Conflicts or other problems among family members/friends/neighbors
				10	Decreased arable land/water surface for aquaculture production
				11	Unfortunate events (house on fire, stealth, traffic accident)
				12	Other reasons
48 m8c11a	Consumption of food	All	1-4		Numeric
			1		Insufficient
			2		Sufficient
			3		More than sufficient
			4		No comment/ no applicable
49 m8c11b	Consumption of foodstuff	All	1-4		Numeric
			1		Insufficient
			2		Sufficient
			3		More than sufficient
			4		No comment/ no applicable
50 m8c12a	Consumption of electricity	All	1-4		Numeric
			1		Insufficient
			2		Sufficient
			3		More than sufficient
			4		No comment/ no applicable
51 m8c12b	Consumption of water	All	1-4		Numeric
			1		Insufficient
			2		Sufficient
			3		More than sufficient
			4		No comment/ no applicable
52 m8c12c	Consumption of housing	All	1-4		Numeric
			1		Insufficient
			2		Sufficient
			3		More than sufficient
			4		No comment/ no applicable
53 m8c13	Consumption of clothing and footwear by household been sufficient to meet needs over the last 30 days	All	1-4		Numeric
			1		Insufficient
			2		Sufficient
			3		More than sufficient
			4		No comment/ no applicable

Explanatory documents for the VHLSS 2010

Name of the dataset muc8vayno

variables

12

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	m8ma	Code	All	1-4	Numeric
7	m8c4	Preferential credit scheme	All	1-4	Numeric
				1	Social Policy Bank
				2	Employment Support Fund
				3	Poverty Reduction Fund
				4	Socio-political organisations
8	m8c5	Value of this loan	All	220-200000	Numeric
9	m8c6a	Interest rates of the loan	All	0-18	Numeric
10	m8c6b	Time unit	All	1-4,9	Numeric
				1	Month
				2	Quarter
				3	6 months
				4	Year
				9	Missing
11	m8c7	Pay cost to get the loan	All	0-2000	Numeric
12	m8c8	The balance of the loan	All	0-180000	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset ttchung variables 118

No	Variable name	Topics	Scope	Code	Description
1	tin	Province	All	1-96	Numeric
2	huyen	District	All	1-973	Numeric
3	xa	Commune	All	4-32248	Numeric
4	diaban	Enumerator area	All	1-91	Numeric
5	hoso	Household code	All	13-24	Numeric
6	quyen	Income/Income & Expenditure	All	1	Numeric
7	tsphieu	Questionnaire	All	1	Numeric
8	ttnt	Urban/Rural	All	1-2	Numeric
				1	Yes
				2	No
9	dantoc	Household head's ethnicity	All	1-56	Numeric
				1	Kinh
				2	Tay
				3	Thai
				4	Chinese
				5	Khmer
				6	Muong
				7	Nung
				8	Hmong (meo)
				9	Dao
				10	Ngai
				11	Jarai
				12	Ede
				13	Bana
				14	Sedang
				15	San Chay (Cao lan - san chi)
				16	Co ho
				17	Cham
				18	San diu
				19	Hre
				20	Mnong
				21	Raglai
				22	Stieng
				23	Bru - Van kieu
				24	Tho
				25	Giay
				26	Co tu
				27	Gie trieng
				28	Ma
				29	Kho mu
				30	Co
				31	Ta oi
				32	Choro
				33	Khang
				34	Singmun
				35	Hanhi
				36	Churu
				37	Lao
				38	La chi
				39	La ha
				40	Phu la
				41	Lahu
				42	Lu

			43	Lolo
			44	Chut
			45	Mang
			46	Pathen
			47	Co lao
			48	Cong
			49	Bo y
			50	Si la
			51	Pu peo
			52	Brau
			53	O Du
			54	Ro Mam
			55	Foreigner
			56	Unspecified
10 phdich	Interpretation	All	1-2	Numeric
			1	Yes
			2	No
11 dtv	Surveyor's ID code	All	1-90	Numeric
12 dt	Team leader' ID code	All	1-90	Numeric
13 ngaydt	Surveyed date	All	1-31	Numeric
14 thangdt	Surveyed month	All	1-12	Numeric
15 tsnguai	Hosehold size	All	1-15	Numeric
	Having domestic help or			
16 m1b1	migrant labourers?	All	1-2	Numeric
			1	Yes
			2	No
	Number of domestic help			
17 tsmuc1b	or migrant labourers	All	1-5	Numeric
	Sum of questions 11k			
	and 14 in Section 2:			
18 m2act	Education	All	0-455500	Numeric
	Sum of questions 12 and			
	13 in Section 2:			
	Education (Green			
19 m2atn	questionnaire)	All	0-46184	Numeric
	Sum of questions 12 and			
	13 in Section 2:			
	Education (Yellow			
20 m2btn	questionnaire)	All	0	Numeric
21 m4atn1	Total of Q11-section 4A	All	0-842113	Numeric
	Total of Q12 a,b-section			
22 m4atn2	4A	All	0-176610	Numeric
23 m4atn3	Total of Q23-section 4A	All	0-163145	Numeric
	Total of Q24a,b-section			
24 m4atn4	4A	All	0-26901	Numeric
25 m4atn5	Total of Q26-section 4A	All	0-24523	Numeric
	Total of Q28a,b,c,d,e-			
26 m4atn6	section 4A	All	0-176552	Numeric
	Total income from wages,			
27 m4atn	including bonus, subsidy	All	0-935096	Numeric
	Raised livestock in past			
28 m4b21a	12 month?	All	1-2	Numeric
			1	Yes
			2	No
	Due to dissater affecting			
29 m4b21b	to production	All	1-2	Numeric
			1	Yes
			2	No

30	m4b21t	4B21T. Sum of Q5, from rows 1 to 18 (revenue from livestock)	All	0-13088807	Numeric
31	kydt	Surveyed period	All	1-3	Numeric
32	m4b0c1	Used or managed farm land, forestry land or aquaculture surface water over the last 12 months	All	1-2 1 2	Numeric Yes No
33	m4b0tn	4BOTN. Sum of Question 5	All	1-2	Numeric
34	m4b1a	Harvested any products from cultivation over the last 12 months?	All	1-2 1 2	Numeric Yes No
35	m4b1b	Any impacts of natural disasters, diseases, etc. which have caused loss in production	All	1-2 1 2	Numeric Yes No
36	m4b11t	4B11T. Sum of Question 8	All	0-393319	Numeric
37	m4b12t	4B12T. Sum of Question 7	All	0-798447	Numeric
38	m4b13t	4B13T. Sum of Question 7	All	0-3508317	Numeric
39	m4b14t	4B14T. Sum of Question 7	All	0-369377	Numeric
40	tongthu_01	Total of household revenue	All	1387-16728795	Numeric
41	tongthu_02	Income from subsidies, scholarship	All	0-46184	Numeric
42	tongthu_03	Income from health subsidies	All	0-142745	Numeric
43	tongthu_04	Income from wage	All	0-935096	Numeric
44	tongthu_05	revenue from crops	All	0-66500	Numeric
45	tongthu_06	Revenue from livestock	All	0-3508317	Numeric
46	tongthu_07	Revenue from Agricultural Services	All	0-13088807	Numeric
47	tongthu_08	Revenue from hunting, trapping	All	0-40650	Numeric
48	tongthu_09	Revenue from forestry	All	0-485583	Numeric
49	tongthu_10	Revenue from aquaculture	All	0-67000	Numeric
50	tongthu_11	Revenue from non-farm business	All	0-3328050	Numeric
51	tongthu_12	Other income	All	0-6920845	Numeric
52	tongthu_13	Other money received, not considered as income	All	-20149-1112385	Numeric
53	tongthu_14	Income from house and land renting out	All	0-543781	Numeric
54	m4b22t	4B22T. Sum of Q5, row 19 (revenue from	All	0-40650	Numeric
55	m4b21c	4B21C. Sum of Q19, from rows 1 to 10 (cost of husbandry)	All	0-6950799	Numeric

56	m4b22c	4B22C. Sum of Q19, row 11 (cost of hunting) owned machines, equipment and tools for agricultural services over the last 12 months?	All	0-4440	Numeric
57	m4b31a		All	1-2 1 2	Numeric Yes No
58	m4b31b	natural disasters and epidemics... damaged production	All	1-2 1 2	Numeric Yes No
59	m4b3t	4B3T. Sum of Q5 (revenue from agricultural services)	All	0-485583	Numeric
60	m4b3c	4B3C. Sum of Q17 (cost of agricultural services) earned revenues from planting/management/protection/attending of forests, breeding forest trees,	All	0-322355	Numeric
61	m4b41a		All	1-2 1 2	Numeric Yes No
62	m4b41b	natural disasters, epidemics, ... damaged production?	All	1-2 1 2	Numeric Yes No
63	m4b4t	4B4T. Sum of Q3f (revenue from forestry)	All	0-67000	Numeric
64	m4b4c	4B4C. Sum of Q14 (cost of forestry)	All	0-31768	Numeric
65	chisxkd_1	Expenditure on business	All	0-8159789	Numeric
66	chisxkd_2	Expenditure on crops	All	0-1208990	Numeric
67	chisxkd_3	Expenditure on livestock	All	0-6950799	Numeric
68	chisxkd_4	Expenditure on agricultural services	All	0-4440	Numeric
69	chisxkd_5	Expenditure on hunting, trapping..	All	0-322355	Numeric
70	chisxkd_6	Expenditure on forestry	All	0-31768	Numeric
71	chisxkd_7	Expenditure on aquaculture	All	0-3200105	Numeric
72	chisxkd_8	Expenditure on non-farm business	All	0-5830543	Numeric
73	thunhap	Income	All	1387-8569006	Numeric
74	thubq	Income per capita	All	34-238028	Numeric
75	chikhac_1	Expenditure	All	0-455500	Numeric
76	chikhac_2	Expenditure	All	0-260000	Numeric
77	chikhac_3	Expenditure	All	0-28170	Numeric
78	chikhac_4	Expenditure	All	89-26343	Numeric
79	chikhac_5	Expenditure	All	0-13362	Numeric
80	chikhac_6	Expenditure	All	0-241600	Numeric
81	chikhac_7	Expenditure	All	0-155537	Numeric
82	chikhac_8	Expenditure	All	0-1092000	Numeric
83	chikhac_9	Expenditure	All	0-280000	Numeric
84	m4b5c1a	household kept, bred fish, shrimps or other aquatic products;	All	1-2 1	Numeric Yes

			2	No	
85	m4b5c1b	natural disasters, epidemics, ... damaged production?	All	1-2 1 2	Numeric Yes No
86	m4b5t	4B5T. Sum of Q5 (revenue from aquaculture)	All	0-3328050	Numeric
87	m4b5c	4b5c. Sum for Q19 (costs of aquaculture)	All	0-3200105	Numeric
88	m4c1	any activities of your own production and business, non-agricultural, forestry and aquaculture services; processing of agricultural, forestry and aquatic products over the past 12 months?	All	1-2 1 2	Numeric Yes No
89	m4ctt	4CTT. Total revenue from activities (sum of 4CT. Total revenue from activities divided by	All	0-6920845	Numeric
90	m4ct	households (sum of Q18)	All	0-6920845	Numeric
91	m4cct	4CCT. Total cost of activities (sum of Q32)	All	0-5830543	Numeric
92	m4cc	4CC. Total revenue from activities divided by households (sum of Q33)	All	0-5830543	Numeric
93	m4dtn	4DTN. Sum of Q2 items (other revenues)	All	-20149,1112385	Numeric
94	m5a1ct	5A1CT. Sum (Q4-5)	All	0-28170	Numeric
95	m5a1c4	4. Sum of Q2B (Codes from 101-154)	All	0-28170	Numeric
96	m5a1c5	5. Sum of Q 3B (Codes from 101-154)	All	0-12812	Numeric
97	m5a2ct	5a2ct. Sum for question 2b (Codes from 101-154)	All	89-26343	Numeric
98	m5a2c6	6.Sum for Q3b (Codes from 101-154)	All	0-26343	Numeric
99	m5a2c7	7.Sum for Q4b (Codes from 101-154)	All	0-6800	Numeric
100	m5a2c8	8.Sum for Q5b (Codes from 101-154)	All	0-4000	Numeric
101	m5b1ct	5b1ct. Sum for Q2 (Codes from 201-228)	All	0-13362	Numeric
102	m5b1c6	6. Sum for Q3 (Codes 201-228)	All	0-13362	Numeric
103	m5b1c7	7.Sum for Q4 (Codes 201-228)	All	0-2600	Numeric
104	m5b1c8	8.Sum for Q5 (Codes 201-228)	All	0-1386	Numeric
105	m5b2ct	5b2ct. Sum (Q4-5)	All	0-241600	Numeric
106	m5b2c4	4.Sum for Q 2	All	0-161110	Numeric
107	m5b2c5	5. Sum for Q 3	All	0-120800	Numeric
108	m5b3ct	5b3ct . Sum for question 2	All	0-155537	Numeric
109	m6c7	7. Sum for question 5, Section 6	All	0-1092000	Numeric

110 m3c1	household visited medical establishments or had home visits by physicians for check-ups and treatment over the last 12 months? Section 3	All	1-2 1 2	Numeric Yes No
111 m3ct1	3ct1. Sum for Q5, Section 3	All	0-192500	Numeric
112 m3ct2	3ct2. Sum for Q6, Section 3	All	0-246000	Numeric
113 m3ct3	3ct3. Sum for Q11, Section 3	All	0-16160	Numeric
114 m3ct	3ct. Healthcare expenditures (3ct1 + 3ct2 + 3ct3 + Q13 + Q14)	All	0-260000	Numeric
115 m3tn	3tn. Sum for Q15	All	0-142745	Numeric
116 m4b15t	4B15T. Sum of Q5, Section 4	All	0-10502	Numeric
117 m4b1t	4B1T. Total revenues from crop production (4B11T+4B12T+4B13T+4B14T+4B15T)	All	0-3508317	Numeric
118 m4b1c	Total costs of crop production (Sum of Q2e)	All	0-1208990	Numeric

Explanatory documents for the VHLSS 2010

Name of the dataset	weight	variables
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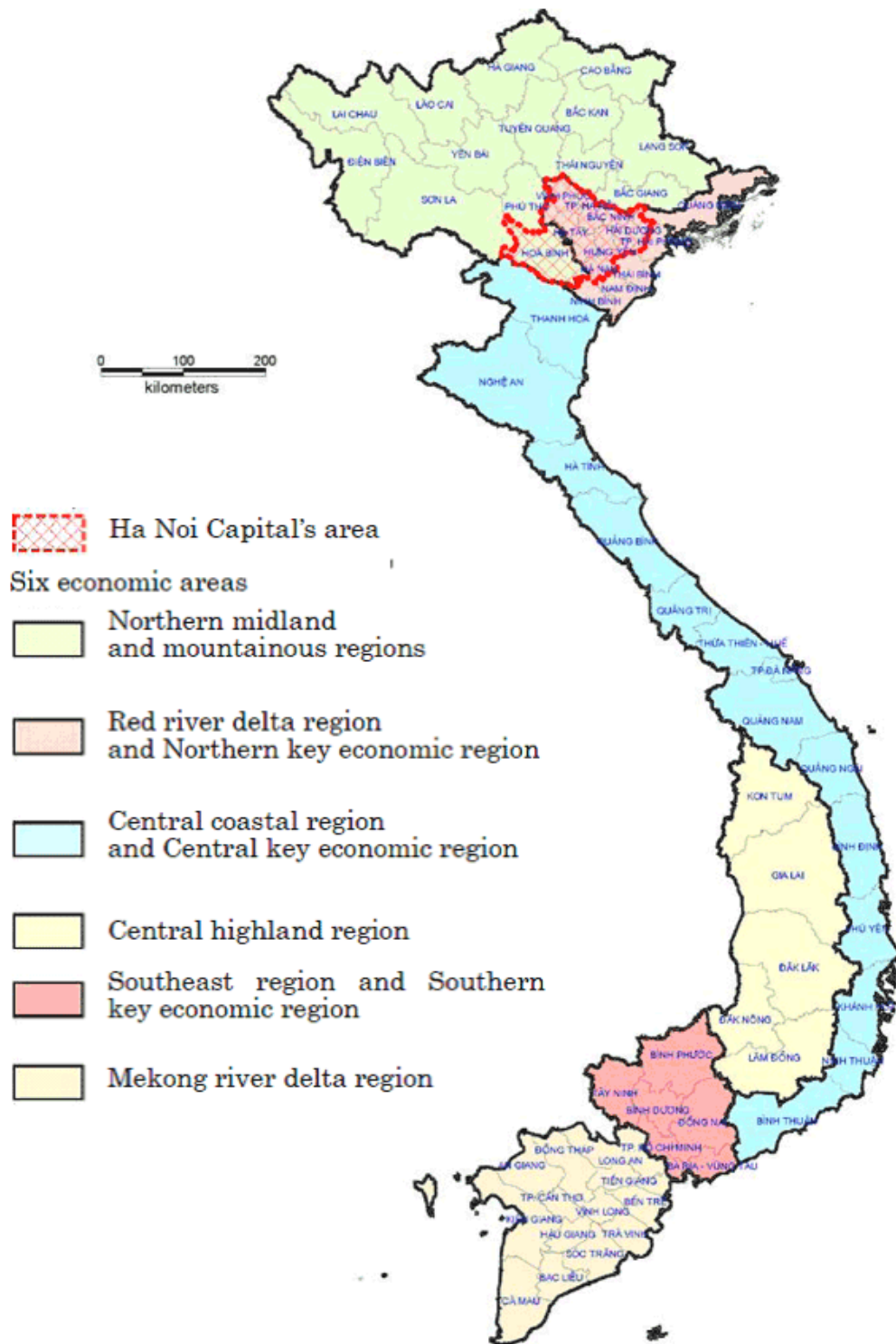
5

No	Variable name	Topics	Scope	Code	Description
1	tinhtinh	Province	All	1-96	Numeric
2	huyenhuyen	District	All	1-973	Numeric
3	xaxa	Commune	All	4-32248	Numeric
4	diabandiaban	Enumerator area	All	1-91	Numeric
5	wt9	weight	All	369-7936	Numeric

Attachment 3

Province Map

1. Six regions



2. Eight regions

