

SURVEY OF HOUSEHOLD INCOME AND WEALTH 2010

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1. Introduction

The Survey on Household Income and Wealth (SHIW) covers 7,951 households composed of 19,836 individuals. The number of households interviewed in previous surveys (*panel households*) is 4,621.

Panel households have the same questionnaire number (NQUEST) as in 2008.

Given that sampling design involves unequal stratum sampling fractions, the use of sampling weights (variable PESOFIT) is required to obtain unbiased estimates. Weights are given at household level since all members of the household have the same weight.

Furthermore it is available the dataset PESIJACK10 containing replication weights that can be used to calculate sampling variance¹.

2. Data format

All the data are available in three different formats: **ASCII**, **SAS** and **STATA** (version 7 and above) formats. Data are compressed in one single zip archive named **INDxx_format**, where **xx** denotes the last two digit of the survey year and **format** indicates whether the file is ASCII, SAS or STATA file. Data-files can be decompressed by using file manager (Windows XP) or any compression program such as **7-Zip** (downloadable at www.7-zip.org).

All the ASCII files are "comma separated" (file CSV), the first row of the file containing the variable names. This feature reduces loading time for almost all statistical packages. These statistical packages load the data naming the variables according to the information in the first record.

¹ The dataset contains 330 replication weights calculated following the Jackknife method. Weights are called PWTx where x indicates the progressive number of the replication, and goes from 1 to 330. Further information about the construction of replication weights and on their use for the estimate of sampling variance in the SHIW can be found in the methodological appendix of the Supplements to the Statistical Bulletin of the 2010 survey. With respect to the problems connected to statistical inference using complex survey design see Faiella, I. (2008) "Accounting for sampling design in the SHIW", Bank of Italy Working Papers (Temi di discussione) n. 662 – April.

3. Information contained in the datasets

The variable names and the answer codes are reported in the questionnaire contained in the documentation. The variables are organized in the dataset following the grouping reported in table 1. Variables carrying an asterisk on the questionnaire are not available to external users.

Table. 1

Datasets available in the 2010 annual database

<i>Dataset</i>	<i>Content</i>	<i>Primary key</i>
	QUESTIONNAIRE DATASETS	
CARCOM10	Characteristics of the individuals	NQUEST NORD
Q10A	Section A (Households' composition)	NQUEST
LAVORO	Section B (Employment)(*)	NQUEST NORD
Q10C1	Section C (Payment Instruments - <i>Questions from C01 to C25</i>)	NQUEST
Q10C2	Section C (Financial Assets and financial information- <i>Questions from C26 to C45</i>)	NQUEST
Q10D	Section D (Properties and debts)	NQUEST
Q10E	Section E (Expenditures)	NQUEST
Q10F	Section F (Insurance)	NQUEST
Q10G	Section G (Information provided by the interviewer)	NQUEST
USCITI	Individuals that left the panel household	NQUEST NORDP
ROTAZ1	I round (Expectations and financial information)	NQUEST
ROTAZ2	II round (Social capital)	NQUEST
ALLB1	Annex B1 (Payroll employees)	NQUEST NORD
ALLB2	Annex B2 (Self-employed worker)	NQUEST NORD
ALLB3	Annex B3 (Family business)	NQUEST
ALLB4	Annex B4 (Working shareholder/partner)	NQUEST NORD
ALLB5	Annex B5 (Pensions)	NQUEST NORD
ALLB6	Annex B6 (Other income sources)	NQUEST NORD
ALLD1	Annex D1 (Property, other than principal residence)	NQUEST
ALLD2_RES	Annex D2_RES (Loans for main residence)	NQUEST
ALLD2_AIMM	Annex D2_AIMM (Loans for properties other than principal residence)	NQUEST
ALLD2_FAM	Annex D2_FAM (Loans for consumer credit)	NQUEST
ALLD2_PROF1	Annex D2_PROF1 (Loans for business purposes of family businesses)	NQUEST
ALLD2_PROF2	Annex D2_PROF1 (Loans for business purposes of self-employed)	NQUEST NORD
	DERIVED DATASETS	
RFAM10	Household Incomes	NQUEST
RISFAM10	Household Expenditure and Savings	NQUEST
RICFAM10	Household Wealth	NQUEST
RPER10	Individual Incomes	NQUEST NORD
PESIACK10	Replication weights	NQUEST

(*) Information on working prevalent status are contained in CARCOM10.

The primary key to merge household level information is NQUEST (household ID). NQUEST must be considered together with NORD (ID of each household member) to merge individual level information.

It is possible to link panel household information using NQUEST. At individual level, NQUEST must be used together with NORDP, contained in CARCOM10, that represents the ID of each household member in the previous wave.

The file CARCOM10 contains all the social-demographic characteristics of each household member and other important information:

PESOFIT	= unit sampling weight (defined at household level)
CFRED	= head of household, defined as the major income earner
ETA	= age (years)
CLETA5	= age class (Up to 34 years, 35-44, 45-54, 55-64, more than 64 years)
NCOMP	= N° of household members
NPERC	= N° of household income earners
PERC	= income earner
Q	= working status (1=employee, 2=self-employed, 3=not-employed)
QUAL	= employment status (1= blue-collar worker, 2= office worker or school teacher, 3= cadre or manager, 4= sole proprietor/member of the arts or professions, 5=other self-employed, 6=pensioner, 7=other not-employed)
AREA3	= geographical area (1=North, 2= Centre, 3=South and Islands)
AREA5	= geographical area (1=North-east, 2= North-west, 3=Centre, 4=South, 5=Islands)
IREG	= Istat code for region of residence (1=Piemonte, 2=Valle d'Aosta, 3=Lombardia, 4=Trentino, 5=Veneto, 6=Friuli, 7=Liguria, 8=Emilia Romagna, 9=Toscana, 10=Umbria, 11=Marche, 12=Lazio, 13=Abruzzo, 14=Molise, 15=Campania, 16=Puglia, 17=Basilicata, 18=Calabria, 19=Sicilia, 20=Sardegna)
NASCREG	= region of birth (Istat code)
NASCAREA	= geographical area of birth (1=North, 2= Centre, 3=South and Islands)
ACOM4C	= town size (0-20.000 inhabitants, 20.000-40.000, 40.000-500.000, more than 500.000 inhabitants).

The file Q10A also includes:

CAPI	= information collected through the CAPI (<i>Computer Assisted Personal interviewing</i>) (code 1) or not (code 0).
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The file Q10C2 also includes the variables AFXX² that indicate the amount held from the family at the end of 2010 in each form of saving.³

The derivation of the aggregate variables contained in RFAM10, RISFAM10, RICFAM10 and RPER10 is explained in the following section (see tables 2, 3 and 4).

In addition to the variables in table 4, the file RICFAM10 also includes:

PFIMM	= Loans for real properties
PFCONS	= Loans for consumption
PFAZ	= Loans for business purposes
PFCARTE	= Outstanding balance on credit cards
PFCC	= Overdrafts
PFCOLL	= Collateralized loans
PFNO COLL	= Non collateralized loans

All the amounts are expressed in euros

Missing values (doesn't know, unwilling to answer, inapplicable) are indicated with ".".

² Where XX=A1...H indicates the form of saving as reported in the corresponding table in the questionnaire. For example the variable AFC2 contains the amount held from the household at the end of 2010 in CCTs (T-certificates) while AFD1 the amount held in bonds and so on.

³ For those households who have not reported the exact amount held, the figure is imputed using the information on the size class of holding.

4. Aggregate variables

Table 2

Aggregation of variables: income account

Variable name	Description ⁽¹⁾	Questionnaire reference ⁽²⁾
Y	Net disposable income	
YL	Payroll income	
YL1	Net wages and salaries	B1.7
YL2	Fringe benefits	B1.9
YT	Pensions and net transfers	
YTP	Pensions and arrears	
YTP1	Pensions	B5.4 * B5.5
YTP2	Arrears	B5.7
YTA	Other transfers	
YTA1	Financial assistance (wage suppl. etc.)	B6.(a1,a2,a3,b1,b2,b3,b4,b5, b6,b7)
YTA2	Scholarships	B6.c1
YTA3	Alimony and gifts	
YTA31	Received	B6.(c2a,c3,c4)
YTA32	paid (-)	E.8(1,2)
YM	Net self-employment income	
YMA1	Self-employment income	B2.10 + B3.8
YMA2	Entrepreneurial income	B4.6 + B4.7
YC	Property income	
YCA	Income from real-estate	
YCA1	Actual rents	D1.11
YCA2	Imputed rents ⁽³⁾	(D.16*12) + D1.12
YCF	Income from financial assets ⁽⁴⁾	
YCF1	Interest on deposits	Rate1*C.28(A,B)
YCF2	Interest on government securities	Rate2*C.28(C)
YCF3	Income from other securities	Rate2*C.28(D,E,F,G,H,I)
YCF4	Interest payments (-)	Rate3*(C15+C19+D2_FAM.2) +Rate4*(D2_RES.3+D2_AIM M.3)

$$Y = YL + YT + YM + YC$$

(1) A minus sign indicates the item is included with a negative sign in calculating the aggregate of which it is a component.

(2) The questionnaire reference is coded as follows: section or annex.question (where necessary, line of question).

(3) Excludes buildings used for self-employment.

(4) Interest rate * capital stock. The rates are the following: rate1=0.633%, rate2=1.759%, rate3=5.639%, rate4=4.433%.

Table 3**Aggregation of variables: use of income account**

Variable name	Description	Questionnaire reference ⁽¹⁾
Y	Net disposable income	
C	Consumption	
CD	Durables	
CD1	Expenditure for transport equipment	E.2(2) – E.4(2)
CD2	Expenditure for furniture, etc.	E.2(3)
CN	Non-durables	((E.9 D.11)*12) + YL2 + YCA2
S	Saving ⁽²⁾	

$$Y = C + S$$

(1) The questionnaire reference is coded as follows: section or annex.question (where necessary, line of question).

(2) Determined as a residual.

Table 4**Aggregation of variables: capital account**

Variable name	Description ⁽¹⁾	Questionnaire reference ⁽²⁾
W	Net wealth	
AR	Real assets	
AR1	Real estate	D1.9*D1.2 + D.21*D.4 + D.24
AR2	Business equity	B2.15 + B3.13 + B4.9
AR3	Valuables	E.5(1)
AF	Financial assets	
AF1	Deposits	C.28 (A,B)
AF2	Government securities	C.28 (C)
AF3	Other securities	C.28 (D,E,F,G,H,I)
AF4	Trade credit or credit due from other households	B2.12(2) + B3.10(2) + D.34(1)
PF	Financial liabilities (-)	
PF1	Liabilities to banks and financial companies	D2_RES.3+D2_AIMM.3+D2_FAM.2 +D2_PROF.2
PF2	Trade debt	B2.12(1) + B3.10(1)
PF3	Liabilities to other households	D.34(2)
Memorandum item:		
BD	Durables	
BD1	Transport equipment	E.5(2)
BD2	Furniture, etc.	E.5(3)

$$W = AR + AF - PF$$

(1) A minus sign indicates the item is included with a negative sign in calculating the aggregate of which it is a component.

(2) The questionnaire reference is coded as follows: section or annex.question (where necessary, line of question).