Greece 2011

1 Survey Description

Survey: EU Statistics on Income and Living Conditions household and individual survey (EU-SILC), carried out by the Statistical Office of the European Union, for the 2011

Link to the document: https://www.gesis.org/en/missy/metadata/EU-SILC/2011/#EL

Sample: The survey employed a comprehensive sampling approach, incorporating probabilistic, systematic,stratified,and multi-stage designs for a robust representation of the population. There are 12,480 individuals in the total sample and 5,009 individuals in the analysis sample. Section 3 of this document describes the prevalence and pattern of missing data.

Weights: The survey employs the household as unit of analysis and utilizes the inverse of selection probability as a weighting method

Outcome: The outcome variables are annual equivalized household disposable total (*eq_iinc*) income in dollars PPP 2017.[1]

Circumstances:

- Sex (female, male)
- Country of birth 'Birthplace' (Same country as country of residence, any european country except country of residence or, any other country, described in table 1)
- Fathers's edu. (levels of education, described in Table 2)
- Mother's edu. (levels of education, described in Table 2)
- Father's occ. (11 categories, 10 from 1-Digit ISCO + one category including death/unknown/unemployed, described in Table 3)
- Mother's occ. (11 categories, 10 from 1-Digit ISCO + one category including death-unknown-unemployed, described in Table 3)

[1] Income variable was equivalized using the square root scale.

2 Descriptive Statistics

Table 1: Respondant's socio-demographics - 2011

	Analisis sample	Total sample
	(N=5,009)	(N=12,480)
Gender		
Mean (SD)	1.51 (0.500)	1.52 (0.500)
Median [Min, Max]	2.00 [1.00, 2.00]	2.00 [1.00, 2.00]
Region of birth		
1 Local	4,503 (89.9%)	11,581 (92.8%)
2 European Union	104 (2.1%)	165 (1.3%)
3 Other	402 (8.0%)	734 (5.9%)

Table 2: Parental education - 2011

	Analisis sample	Total sample
	(N=5,009)	(N=12,480)
Father's education (years)		
0 Unknown	30 (0.6%)	42 (0.3%)
1 None	261 (5.2%)	330 (2.6%)
2 Low	3,538 (70.6%)	4,319 (34.6%)
3 Medium	741 (14.8%)	1,200 (9.6%)
4 High	439 (8.8%)	610 (4.9%)
Missing	0 (0%)	5,979 (47.9%)
Mother's education (levels)		
1 None	380 (7.6%)	573 (4.6%)
2 Low	3,638 (72.6%)	4,031 (32.3%)
3 Medium	739 (14.8%)	855 (6.9%)
4 High	252 (5.0%)	280 (2.2%)
Missing	0 (0%)	6,741 (54.0%)

Table 3: Parental occupation - 2011

	Analisis sample	Total sample
	(N=5,009)	(N=12,480)
Father's occupation (ISCO)		
0 Dead/unknown/not working	138 (2.8%)	205 (1.6%)
1 Manager	363 (7.2%)	529 (4.2%)
2 Professional	257 (5.1%)	344 (2.8%)
3 Technician	125 (2.5%)	171 (1.4%)
4 Clerical	454 (9.1%)	554 (4.4%)
5 Service	223 (4.5%)	352 (2.8%)
6 Agriculture	1,617 (32.3%)	2,480 (19.9%)
7 Craft/Trades	991 (19.8%)	1,408 (11.3%)
8 Plant Operator	528 (10.5%)	771 (6.2%)
9 Elementary	246 (4.9%)	383 (3.1%)
10 Armed forces	67 (1.3%)	71 (0.6%)
Missing	0 (0%)	5,212 (41.8%)
Mother's occupation (ISCO)		
0 Dead/unknown/not working	2,493 (49.8%)	3,300 (26.4%)
1 Manager	115 (2.3%)	173 (1.4%)
2 Professional	153 (3.1%)	249 (2.0%)
3 Technician	25 (0.5%)	82 (0.7%)
4 Clerical	201 (4.0%)	292 (2.3%)
5 Service	269 (5.4%)	434 (3.5%)
6 Agriculture	1,235 (24.7%)	1,901 (15.2%)
7 Craft/Trades	155 (3.1%)	256 (2.1%)
8 Plant Operator	104 (2.1%)	152 (1.2%)
9 Elementary	258 (5.2%)	477 (3.8%)
10 Armed forces	1 (0.0%)	1 (0.0%)
Missing	0 (0%)	5,163 (41.4%)

Table 4: Respondant's income - 2011

	N	Mean	SD	Median	Min	Max	Missing
Analisis sample	5,009	24,027	17,618	21,015	107.1	291,724	0
Total sample	12,480	21,503	15,665	18,440	107.1	291,724	96

3 Missing data analysis

3.1 Missing patterns

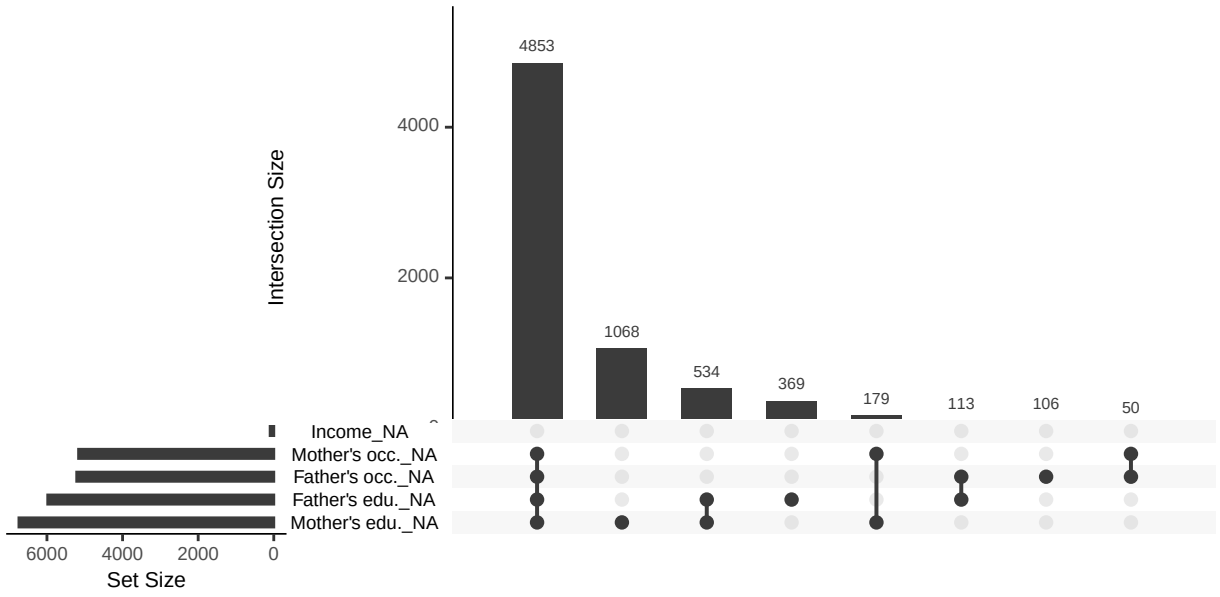

Figure 1: Missing patterns: *Left:* Marginal distribution of missing observations per variable. *Right:* Combination of missingness across cases

3.2 Differences in expected total equivalized household income between samples

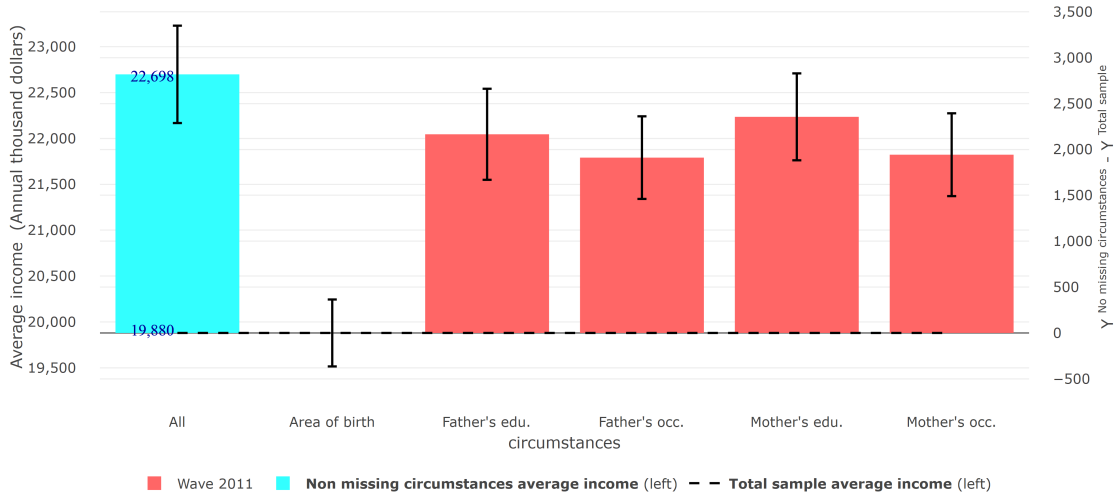

Figure 2: Differences in expected equivalized household income between the sample with non-missing circumstances and the total sample

3.3 Gini coefficient

Table 5: Gini coefficient in analysis sample and total sample

Wave	Sample	Gini	Lower bound	Upper bound	Average income
Wave 2011	Analysis sample	0.33	0.319	0.343	22,698
Wave 2011	Total sample	0.33	0.322	0.337	19,880

3.4 Differences in Gini coefficient between samples

Figure 3: Differences in Gini coefficient between the sample with non-missing circumstances and the total sample