Portugal 2019

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 2019

Link to the document: https://www.gesis.org/en/missy/metadata/EU-SILC/2019/#PT

Sample: The detail of the sampling desing used for this survey is not available for consultation. There are 28,415 individuals in the total sample and 15,867 individuals in the analysis sample. Section 3 of this document describes the prevalence and pattern of missing data.

Weights: The waithing method used in this survey is not available for consultation

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 - 2019

	Analisis sample	Total sample
	(N=15,867)	(N=28,415)
Gender		
Mean (SD)	1.52 (0.500)	1.54 (0.499)
Median [Min, Max]	2.00 [1.00, 2.00]	2.00 [1.00, 2.00]
Region of birth		
1 Local	14,405 (90.8%)	26,361 (92.8%)
2 European Union	345 (2.2%)	460 (1.6%)
3 Other	1,117 (7.0%)	1,572 (5.5%)
Missing	0 (0%)	22 (0.1%)

Table 2: Parental education - 2019

	Analisis sample	Total sample
	(N=15,867)	(N=28,415)
Father's education (years)		
0 Unknown	1,280 (8.1%)	1,348 (4.7%)
1 Low	12,461 (78.5%)	12,734 (44.8%)
2 Medium	1,337 (8.4%)	1,428 (5.0%)
3 High	789 (5.0%)	817 (2.9%)
Missing	0 (0%)	12,088 (42.5%)
Mother's education (levels)		
0 Unknown	425 (2.7%)	542 (1.9%)
1 Low	13,001 (81.9%)	13,597 (47.9%)
2 Medium	1,441 (9.1%)	1,708 (6.0%)
3 High	1,000 (6.3%)	1,126 (4.0%)
Missing	0 (0%)	11,442 (40.3%)

Table 3: Parental occupation - 2019

	Analisis sample	Total sample
	(N=15,867)	(N=28,415)
Father's occupation (ISCO)		
0 Dead/unknown/not working	1,623 (10.2%)	1,678 (5.9%)
1 Manager	922 (5.8%)	973 (3.4%)
2 Professional	675 (4.3%)	705 (2.5%)
3 Technician	1,174 (7.4%)	1,226 (4.3%)
4 Clerical	557 (3.5%)	578 (2.0%)
5 Service	1,654 (10.4%)	1,767 (6.2%)
6 Agriculture	2,236 (14.1%)	2,341 (8.2%)
7 Craft/Trades	3,632 (22.9%)	3,836 (13.5%)
8 Plant Operator	1,721 (10.8%)	1,813 (6.4%)
9 Elementary	1,551 (9.8%)	1,615 (5.7%)
10 Armed forces	122 (0.8%)	133 (0.5%)
Missing	0 (0%)	11,750 (41.4%)
Mother's occupation (ISCO)		
0 Dead/unknown/not working	6,392 (40.3%)	6,684 (23.5%)
1 Manager	306 (1.9%)	341 (1.2%)
2 Professional	916 (5.8%)	1,032 (3.6%)
3 Technician	544 (3.4%)	597 (2.1%)
4 Clerical	705 (4.4%)	785 (2.8%)
5 Service	2,007 (12.6%)	2,219 (7.8%)
6 Agriculture	975 (6.1%)	1,039 (3.7%)
7 Craft/Trades	1,132 (7.1%)	1,232 (4.3%)
8 Plant Operator	533 (3.4%)	585 (2.1%)
9 Elementary	2,357 (14.9%)	2,622 (9.2%)
Missing	0 (0%)	11,279 (39.7%)

Table 4: Respondant's income - 2019

	N	Mean	SD	Median	Min	Max	Missing
Analisis sample	15,867	20,121	12,869	17,651	241.7	179,281	0
Total sample	28,415	19,796	13,381	16,792	241.7	179,281	0

3 Missing data analysis

3.1 Missing patterns

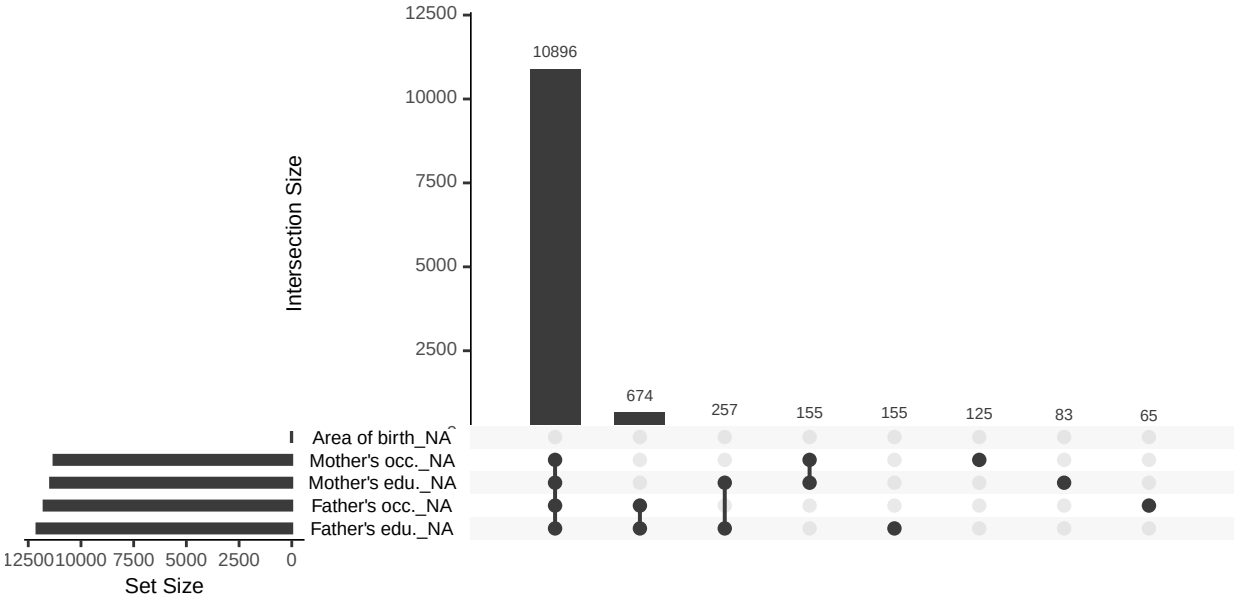

Figure 1: Missing patterns: *Left:* Marginal distribution of missing observations per variable. *Right:* Combination of missingness across cases

3.2 Differences in expected total equivalized household income between samples

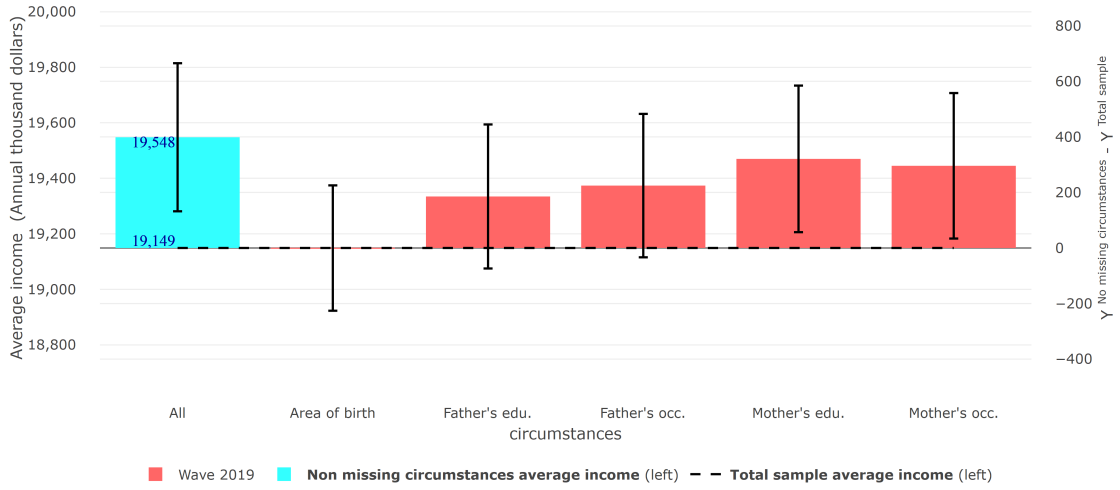

Figure 2: Differences in expected equivalized household income between the sample with non-missing circumstances and the total sample

3.3 Gini coefficient

Table 5: Gini coefficient in analysis sample and total sample

Wave	Sample	Gini	Lower bound	Upper bound	Average income
Wave 2019	Analysis sample	0.304	0.314	0.328	19,548
Wave 2019	Total sample	0.320	0.327	0.337	19,149

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