Poland 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/#PL

Sample: The detail of the sampling desing used for this survey is not available for consultation. There are 41,926 individuals in the total sample and 17,227 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)

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[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=17,227)	(N=41,926)
Gender		
Mean (SD)	1.54 (0.498)	1.53 (0.499)
Median [Min, Max]	2.00 [1.00, 2.00]	2.00 [1.00, 2.00]
Region of birth		
1 Local	17,138 (99.5%)	35,661 (85.1%)
2 European Union	11 (0.1%)	116 (0.3%)
3 Other	78 (0.5%)	293 (0.7%)
Missing	0 (0%)	5,856 (14.0%)

Table 2: Parental education - 2019

	Analisis sample	Total sample
	(N=17,227)	(N=41,926)
Father's education (years)		
0 Unknown	1,173 (6.8%)	1,238 (3.0%)
1 Low	5,124 (29.7%)	5,545 (13.2%)
2 Medium	9,638 (55.9%)	11,306 (27.0%)
3 High	1,292 (7.5%)	1,627 (3.9%)
Missing	0 (0%)	22,210 (53.0%)
Mother's education (levels)		
0 Unknown	296 (1.7%)	375 (0.9%)
1 Low	6,017 (34.9%)	6,930 (16.5%)
2 Medium	9,367 (54.4%)	11,652 (27.8%)
3 High	1,547 (9.0%)	2,121 (5.1%)
Missing	0 (0%)	20,848 (49.7%)

Table 3: Parental occupation - 2019

	Analisis sample	Total sample
	(N=17,227)	(N=41,926)
Father's occupation (ISCO)		
0 Dead/unknown/not working	1,839 (10.7%)	2,076 (5.0%)
1 Manager	711 (4.1%)	796 (1.9%)
2 Professional	798 (4.6%)	920 (2.2%)
3 Technician	1,174 (6.8%)	1,301 (3.1%)
4 Clerical	435 (2.5%)	493 (1.2%)
5 Service	581 (3.4%)	680 (1.6%)
6 Agriculture	3,763 (21.8%)	4,104 (9.8%)
7 Craft/Trades	4,155 (24.1%)	4,630 (11.0%)
8 Plant Operator	2,892 (16.8%)	3,250 (7.8%)
9 Elementary	879 (5.1%)	986 (2.4%)
Missing	0 (0%)	22,690 (54.1%)
Mother's occupation (ISCO)		
0 Dead/unknown/not working	3,454 (20.1%)	3,924 (9.4%)
1 Manager	355 (2.1%)	450 (1.1%)
2 Professional	1,620 (9.4%)	2,021 (4.8%)
3 Technician	1,182 (6.9%)	1,464 (3.5%)
4 Clerical	1,093 (6.3%)	1,347 (3.2%)
5 Service	2,022 (11.7%)	2,567 (6.1%)
6 Agriculture	4,119 (23.9%)	4,735 (11.3%)
7 Craft/Trades	1,259 (7.3%)	1,559 (3.7%)
8 Plant Operator	514 (3.0%)	649 (1.5%)
9 Elementary	1,609 (9.3%)	2,135 (5.1%)
Missing	0 (0%)	21,075 (50.3%)

Table 4: Respondant's income - 2019

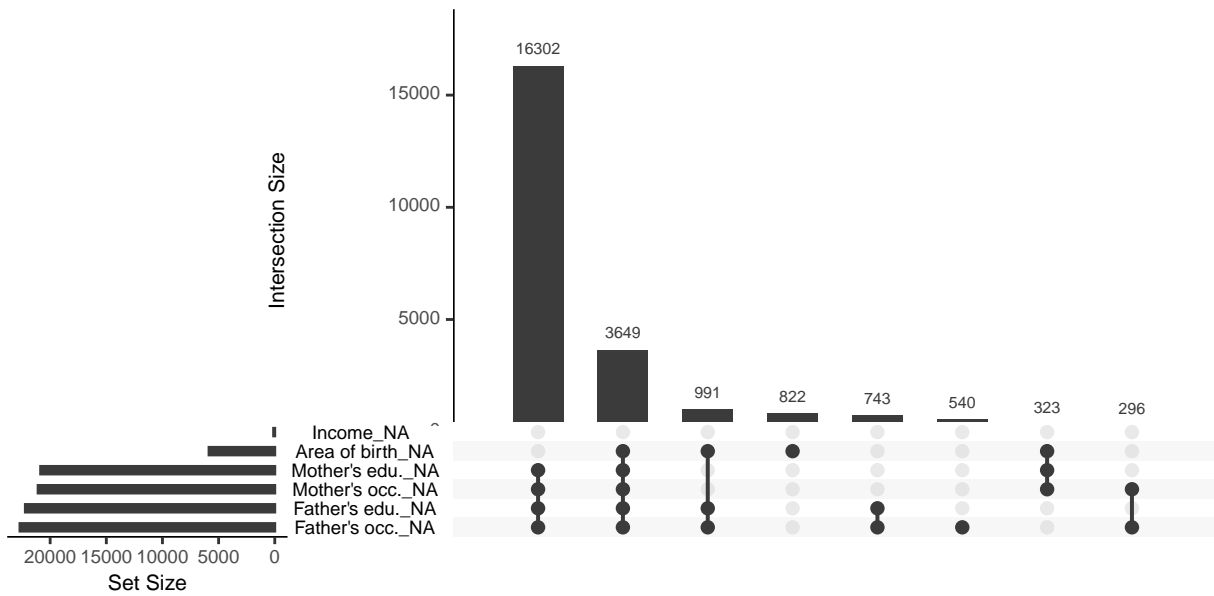|	N	Mean	SD	Median	Min	Max	Missing
Analisis sample	17,227	21,793	12,637	19,711	54.69	221,587	0
Total sample	41,926	20,690	12,069	18,693	54.69	235,538	105

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	0.282	0.285	0.294	20,323
Wave 2019	Total sample	0.283	0.284	0.290	19,044

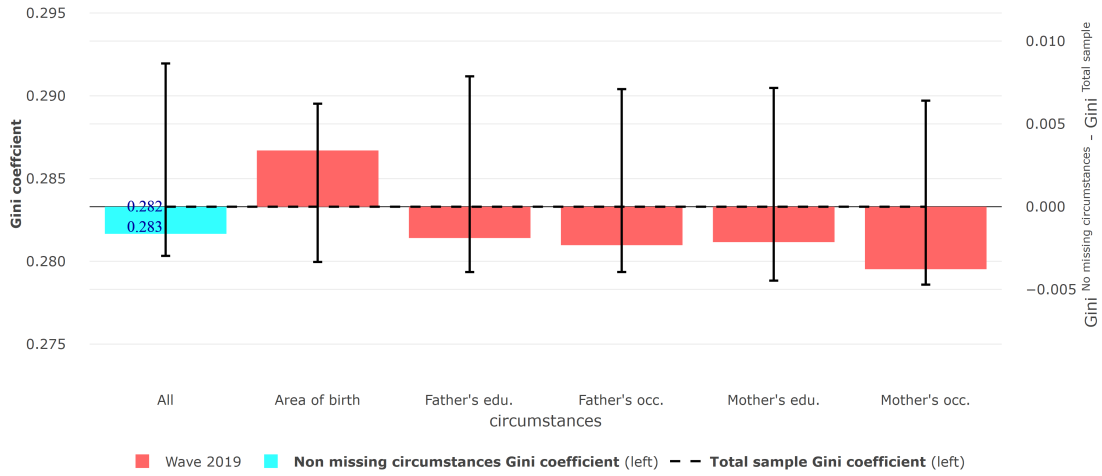## 3.4 Differences in Gini coefficient between samples

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