Czech Republic 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/#CZ

Sample: The survey employed a comprehensive sampling approach, incorporating probabilistic, random, stratified,and multi-stage designs for a robust representation of the population. There are 15,951 individuals in the total sample and 8,300 individuals in the analysis sample. Section 3 of this document describes the prevalence and pattern of missing data.

Weights: To explore the weithing method see Eurostat (2019). National Reference Metadata in ESS Standard for Quality Reports Structure (ESQRSSI)

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=8,300)	(N=15,951)
Gender		
Mean (SD)	1.51 (0.500)	1.53 (0.499)
Median [Min, Max]	2.00 [1.00, 2.00]	2.00 [1.00, 2.00]
Region of birth		
1 Local	7,991 (96.3%)	15,358 (96.3%)
2 European Union	198 (2.4%)	425 (2.7%)
3 Other	111 (1.3%)	168 (1.1%)

Table 2: Parental education - 2019

	Analisis sample	Total sample
	(N=8,300)	(N=15,951)
Father's education (years)		
0 Unknown	775 (9.3%)	795 (5.0%)
1 Low	4,110 (49.5%)	4,259 (26.7%)
2 Medium	2,406 (29.0%)	2,520 (15.8%)
3 High	1,009 (12.2%)	1,074 (6.7%)
Missing	0 (0%)	7,303 (45.8%)
Mother's education (levels)		
0 Unknown	281 (3.4%)	285 (1.8%)
1 Low	4,192 (50.5%)	4,373 (27.4%)
2 Medium	3,122 (37.6%)	3,457 (21.7%)
3 High	705 (8.5%)	760 (4.8%)
Missing	0 (0%)	7,076 (44.4%)

Table 3: Parental occupation - 2019

	Analisis sample	Total sample
	(N=8,300)	(N=15,951)
Father's occupation (ISCO)		
0 Dead/unknown/not working	886 (10.7%)	911 (5.7%)
1 Manager	396 (4.8%)	400 (2.5%)
2 Professional	659 (7.9%)	671 (4.2%)
3 Technician	1,044 (12.6%)	1,069 (6.7%)
4 Clerical	218 (2.6%)	226 (1.4%)
5 Service	393 (4.7%)	400 (2.5%)
6 Agriculture	195 (2.3%)	202 (1.3%)
7 Craft/Trades	2,536 (30.6%)	2,584 (16.2%)
8 Plant Operator	1,614 (19.4%)	1,658 (10.4%)
9 Elementary	359 (4.3%)	376 (2.4%)
Missing	0 (0%)	7,454 (46.7%)
Mother's occupation (ISCO)		
0 Dead/unknown/not working	789 (9.5%)	830 (5.2%)
1 Manager	138 (1.7%)	148 (0.9%)
2 Professional	1,055 (12.7%)	1,120 (7.0%)
3 Technician	753 (9.1%)	796 (5.0%)
4 Clerical	1,393 (16.8%)	1,482 (9.3%)
5 Service	1,537 (18.5%)	1,630 (10.2%)
6 Agriculture	407 (4.9%)	422 (2.6%)
7 Craft/Trades	641 (7.7%)	663 (4.2%)
8 Plant Operator	682 (8.2%)	714 (4.5%)
9 Elementary	905 (10.9%)	983 (6.2%)
Missing	0 (0%)	7,163 (44.9%)

Table 4: Respondant's income - 2019

	N	Mean	SD	Median	Min	Max	Missing
Analisis sample	8,300	24,249	12,265	22,174	160.4	330,179	0
Total sample	15,951	21,887	11,502	19,808	160.4	330,179	1

3 Missing data analysis

3.1 Missing patterns

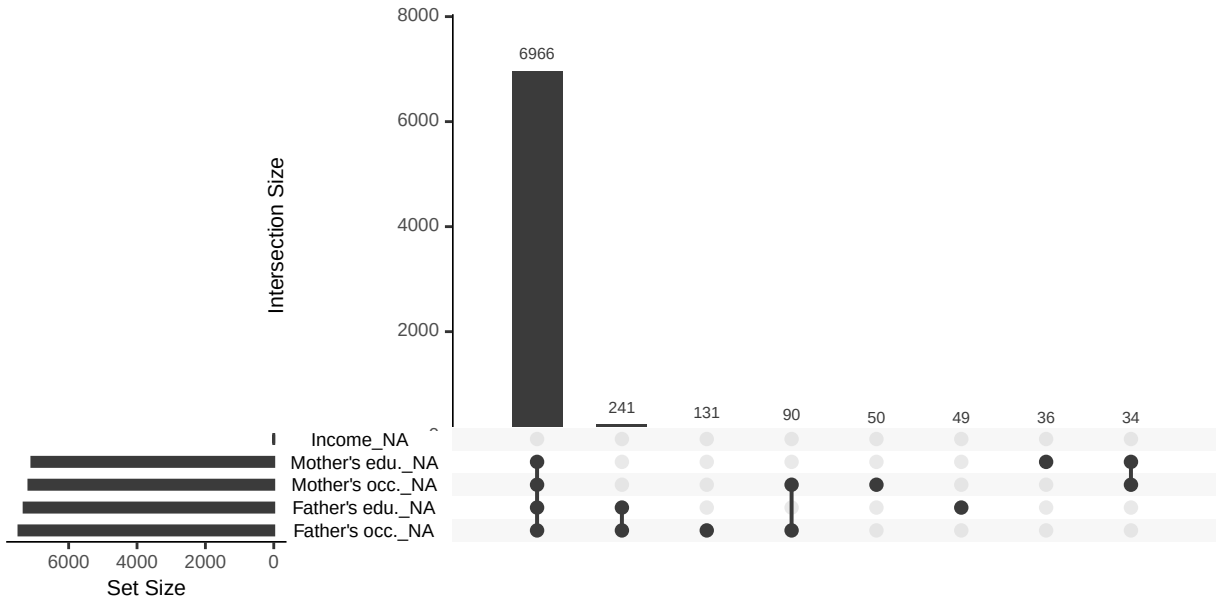

Figure 1: Missing patterns: *Left:* Marginal distribution of missing observations per variable. *Right:* Combination of missingness across cases

3.2 Differences in expected total equivalized household income between samples

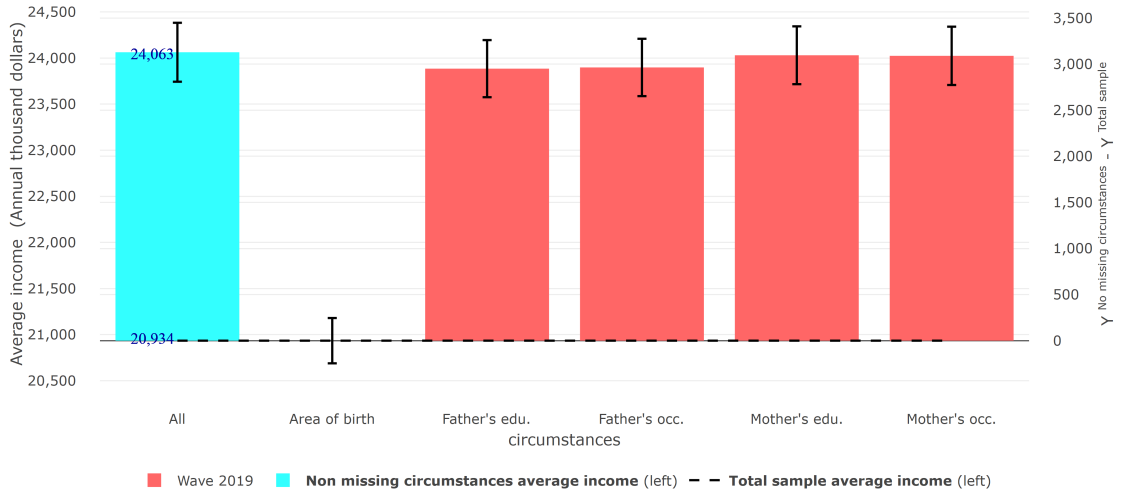

Figure 2: Differences in expected equivalized household income between the sample with non-missing circumstances and the total sample

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	0.236	0.226	0.239	24,063
Wave 2019	Total sample	0.252	0.245	0.254	20,934

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