Germany 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/#DE

Sample: The survey employed a comprehensive sampling approach, incorporating probabilistic, random, stratified, and one stage designs for a robust representation of the population. There are 20,525 individuals in the total sample and 7,359 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=7,359)	(N=20,525)
Gender		
Mean (SD)	1.53 (0.499)	1.53 (0.499)
Median [Min, Max]	2.00 [1.00, 2.00]	2.00 [1.00, 2.00]
Region of birth		
1 Local	6,793 (92.3%)	18,740 (91.3%)
3 Other	566 (7.7%)	1,785 (8.7%)

Table 2: Parental education - 2019

	Analisis sample	Total sample
	(N=7,359)	(N=20,525)
Father's education (years)		
0 Unknown	825 (11.2%)	1,165 (5.7%)
1 Low	700 (9.5%)	784 (3.8%)
2 Medium	3,278 (44.5%)	4,382 (21.3%)
3 High	2,556 (34.7%)	2,993 (14.6%)
Missing	0 (0%)	11,201 (54.6%)
Mother's education (levels)		
0 Unknown	313 (4.3%)	341 (1.7%)
1 Low	716 (9.7%)	825 (4.0%)
2 Medium	4,817 (65.5%)	5,306 (25.9%)
3 High	1,513 (20.6%)	1,722 (8.4%)
Missing	0 (0%)	12,331 (60.1%)

Table 3: Parental occupation - 2019

	Analisis sample	Total sample
	(N=7,359)	(N=20,525)
Father's occupation (ISCO)		
0 Dead/unknown/not working	954 (13.0%)	1,367 (6.7%)
1 Manager	528 (7.2%)	634 (3.1%)
2 Professional	1,019 (13.8%)	1,170 (5.7%)
3 Technician	1,286 (17.5%)	1,650 (8.0%)
4 Clerical	363 (4.9%)	475 (2.3%)
5 Service	441 (6.0%)	572 (2.8%)
6 Agriculture	211 (2.9%)	294 (1.4%)
7 Craft/Trades	1,582 (21.5%)	2,187 (10.7%)
8 Plant Operator	742 (10.1%)	1,108 (5.4%)
9 Elementary	233 (3.2%)	320 (1.6%)
Missing	0 (0%)	10,748 (52.4%)
Mother's occupation (ISCO)		
0 Dead/unknown/not working	2,198 (29.9%)	3,146 (15.3%)
1 Manager	144 (2.0%)	172 (0.8%)
2 Professional	765 (10.4%)	868 (4.2%)
3 Technician	1,151 (15.6%)	1,363 (6.6%)
4 Clerical	1,062 (14.4%)	1,277 (6.2%)
5 Service	1,092 (14.8%)	1,404 (6.8%)
6 Agriculture	100 (1.4%)	141 (0.7%)
7 Craft/Trades	125 (1.7%)	180 (0.9%)
8 Plant Operator	521 (7.1%)	830 (4.0%)
9 Elementary	201 (2.7%)	378 (1.8%)
Missing	0 (0%)	10,766 (52.5%)

Table 4: Respondant's income - 2019

	N	Mean	SD	Median	Min	Max	Missing
Analisis sample	7,359	38,029	24,257	34,308	59.10	553,344	0
Total sample	20,525	34,033	21,366	30,583	17.41	553,344	94

3 Missing data analysis

3.1 Missing patterns

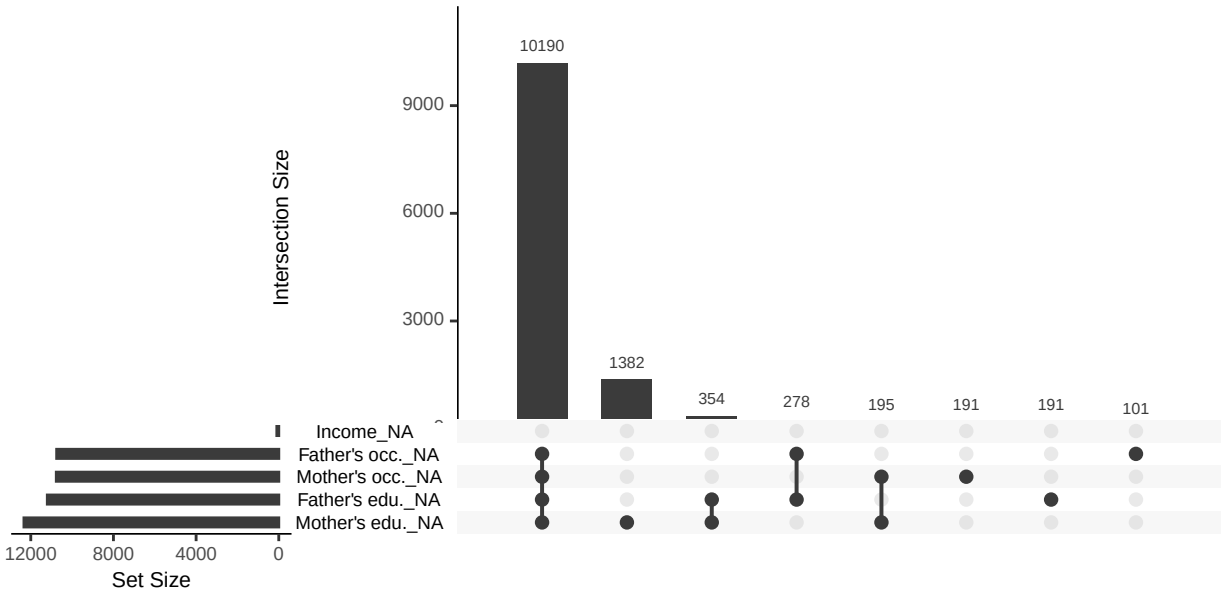

Figure 1: Missing patterns: *Left:* Marginal distribution of missing observations per variable. *Right:* Combination of missingness across cases

3.2 Differences in expected total equivalized household income between samples

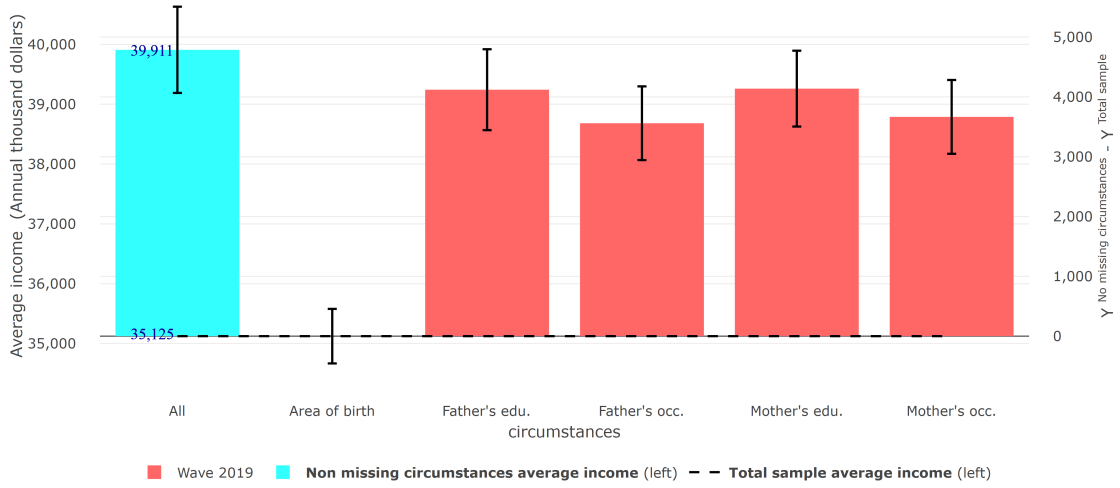

Figure 2: Differences in expected equivalized household income between the sample with non-missing circumstances and the total sample

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	0.270	0.264	0.286	39,911
Wave 2019	Total sample	0.277	0.274	0.286	35,125

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