Cyprus 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/#CY

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 9,182 individuals in the total sample and 5,515 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=5,515)	(N=9,182)
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	4,422 (80.2%)	7,629 (83.1%)
2 European Union	523 (9.5%)	773 (8.4%)
3 Other	570 (10.3%)	780 (8.5%)

Table 2: Parental education - 2019

	Analisis sample	Total sample
	(N=5,515)	(N=9,182)
Father's education (years)		
0 Unknown	300 (5.4%)	305 (3.3%)
1 Low	2,522 (45.7%)	2,544 (27.7%)
2 Medium	1,844 (33.4%)	1,883 (20.5%)
3 High	849 (15.4%)	862 (9.4%)
Missing	0 (0%)	3,588 (39.1%)
Mother's education (levels)		
0 Unknown	82 (1.5%)	105 (1.1%)
1 Low	2,852 (51.7%)	2,897 (31.6%)
2 Medium	1,791 (32.5%)	1,921 (20.9%)
3 High	790 (14.3%)	856 (9.3%)
Missing	0 (0%)	3,403 (37.1%)

Table 3: Parental occupation - 2019

	Analisis sample	Total sample
	(N=5,515)	(N=9,182)
Father's occupation (ISCO)		
0 Dead/unknown/not working	386 (7.0%)	392 (4.3%)
1 Manager	179 (3.2%)	183 (2.0%)
2 Professional	548 (9.9%)	556 (6.1%)
3 Technician	481 (8.7%)	494 (5.4%)
4 Clerical	196 (3.6%)	197 (2.1%)
5 Service	752 (13.6%)	755 (8.2%)
6 Agriculture	495 (9.0%)	502 (5.5%)
7 Craft/Trades	1,342 (24.3%)	1,372 (14.9%)
8 Plant Operator	586 (10.6%)	600 (6.5%)
9 Elementary	515 (9.3%)	529 (5.8%)
10 Armed forces	35 (0.6%)	35 (0.4%)
Missing	0 (0%)	3,567 (38.8%)
Mother's occupation (ISCO)		
0 Dead/unknown/not working	2,155 (39.1%)	2,169 (23.6%)
1 Manager	24 (0.4%)	26 (0.3%)
2 Professional	459 (8.3%)	474 (5.2%)
3 Technician	249 (4.5%)	275 (3.0%)
4 Clerical	447 (8.1%)	483 (5.3%)
5 Service	713 (12.9%)	766 (8.3%)
6 Agriculture	124 (2.2%)	126 (1.4%)
7 Craft/Trades	119 (2.2%)	127 (1.4%)
8 Plant Operator	263 (4.8%)	269 (2.9%)
9 Elementary	962 (17.4%)	1,020 (11.1%)
Missing	0 (0%)	3,447 (37.5%)

Table 4: Respondant's income - 2019

	N	Mean	SD	Median	Min	Max	Missing
Analisis sample	5,515	34,076	27,776	29,752	1,249.2	678,378	0
Total sample	9,182	32,466	27,320	27,659	971.6	678,378	1

3 Missing data analysis

3.1 Missing patterns

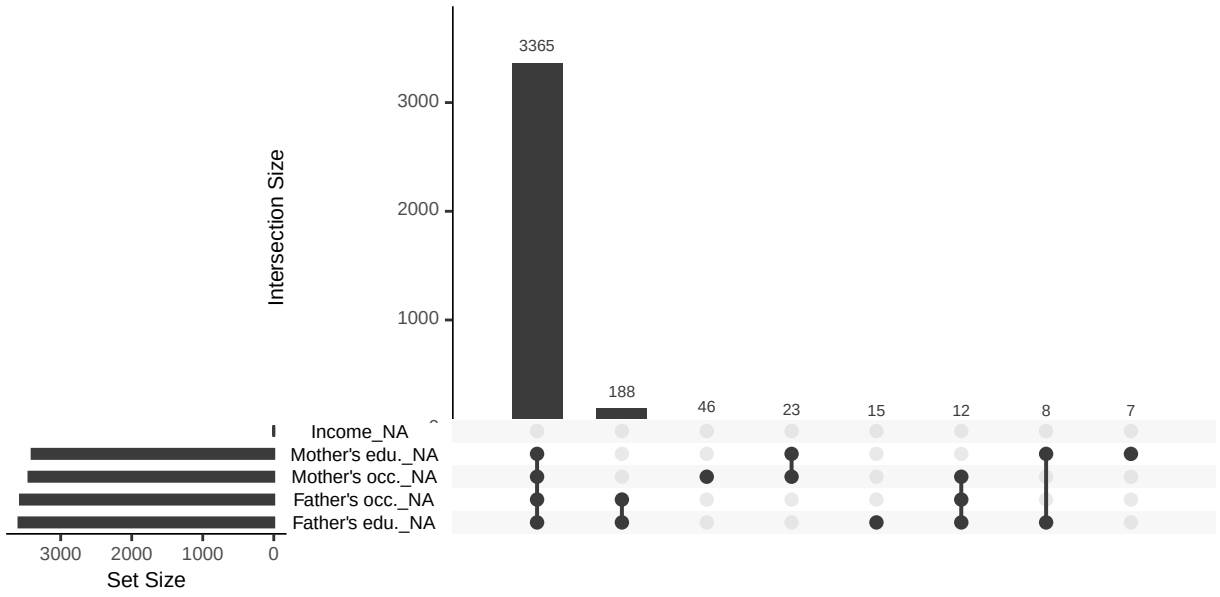

Figure 1: Missing patterns: *Left:* Marginal distribution of missing observations per variable. *Right:* Combination of missingness across cases

3.2 Differences in expected total equivalized household income between samples

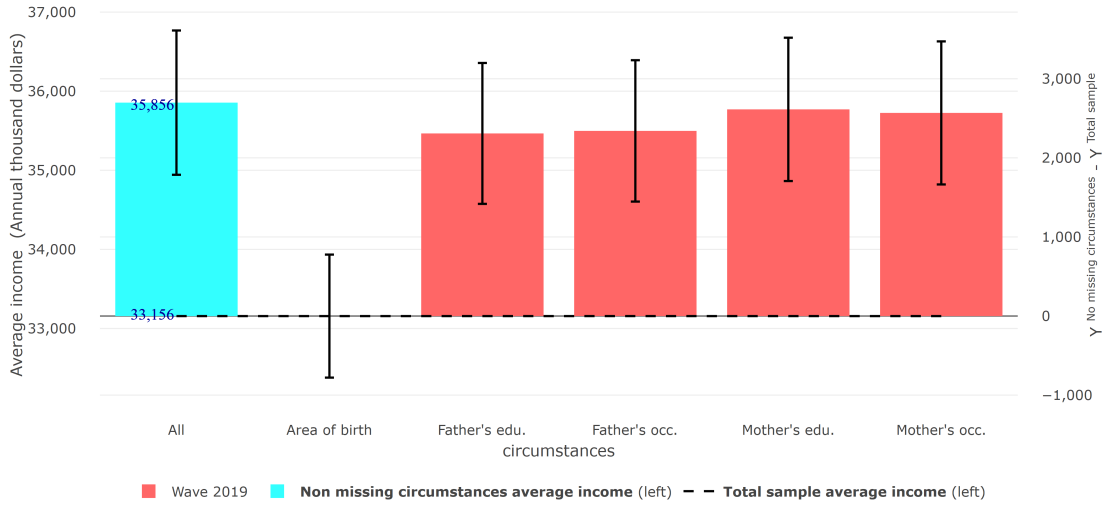

Figure 2: Differences in expected equivalized household income between the sample with non-missing circumstances and the total sample

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	0.297	0.288	0.313	35,856
Wave 2019	Total sample	0.316	0.312	0.333	33,156

3.4 Differences in Gini coefficient between samples

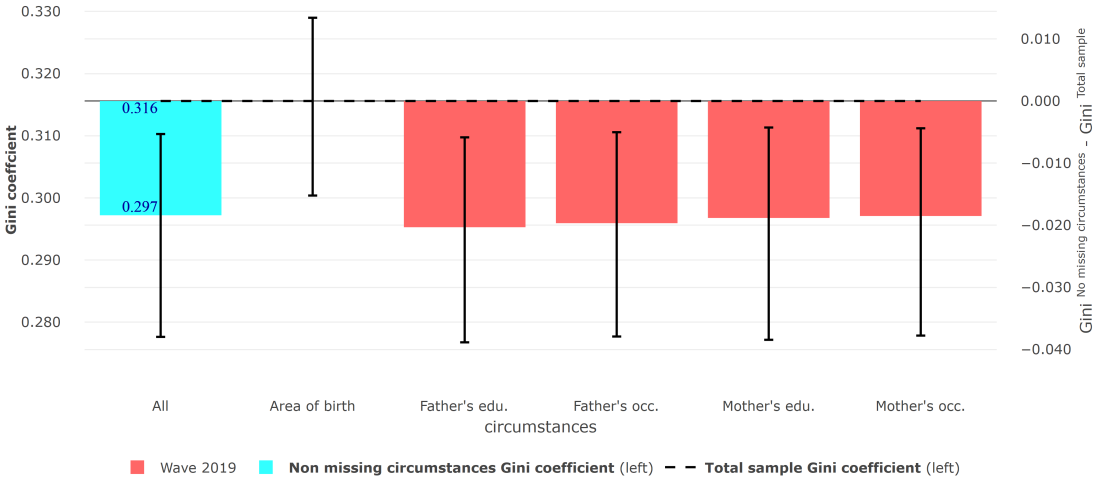

Figure 3: Differences in Gini coefficient between the sample with non-missing circumstances and the total sample