Malta 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/#MT

Sample: The survey employed a comprehensive sampling approach, incorporating probabilistic, random, not stratified, and one stage designs for a robust representation of the population. There are 7,941 individuals in the total sample and 4,145 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)

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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=4,145)	(N=7,941)
Gender		
Mean (SD)	1.48 (0.500)	1.50 (0.500)
Median [Min, Max]	1.00 [1.00, 2.00]	2.00 [1.00, 2.00]
Region of birth		
1 Local	3,763 (90.8%)	7,356 (92.6%)
3 Other	382 (9.2%)	585 (7.4%)

Table 2: Parental education - 2019

	Analisis sample	Total sample
	(N=4,145)	(N=7,941)
Father's education (years)		
0 Unknown	170 (4.1%)	178 (2.2%)
1 Low	1,475 (35.6%)	1,579 (19.9%)
2 Medium	2,017 (48.7%)	2,184 (27.5%)
3 High	483 (11.7%)	509 (6.4%)
Missing	0 (0%)	3,491 (44.0%)
Mother's education (levels)		
0 Unknown	53 (1.3%)	58 (0.7%)
1 Low	1,713 (41.3%)	1,852 (23.3%)
2 Medium	2,093 (50.5%)	2,288 (28.8%)
3 High	286 (6.9%)	316 (4.0%)
Missing	0 (0%)	3,427 (43.2%)

Table 3: Parental occupation - 2019

	Analisis sample	Total sample
	(N=4,145)	(N=7,941)
Father's occupation (ISCO)		
0 Dead/unknown/not working	277 (6.7%)	287 (3.6%)
1 Manager	381 (9.2%)	388 (4.9%)
2 Professional	287 (6.9%)	301 (3.8%)
3 Technician	468 (11.3%)	486 (6.1%)
4 Clerical	177 (4.3%)	181 (2.3%)
5 Service	590 (14.2%)	615 (7.7%)
6 Agriculture	160 (3.9%)	174 (2.2%)
7 Craft/Trades	954 (23.0%)	998 (12.6%)
8 Plant Operator	376 (9.1%)	392 (4.9%)
9 Elementary	403 (9.7%)	421 (5.3%)
10 Armed forces	72 (1.7%)	73 (0.9%)
Missing	0 (0%)	3,625 (45.6%)
Mother's occupation (ISCO)		
0 Dead/unknown/not working	3,130 (75.5%)	3,323 (41.8%)
1 Manager	67 (1.6%)	70 (0.9%)
2 Professional	155 (3.7%)	169 (2.1%)
3 Technician	91 (2.2%)	99 (1.2%)
4 Clerical	112 (2.7%)	122 (1.5%)
5 Service	260 (6.3%)	285 (3.6%)
6 Agriculture	17 (0.4%)	19 (0.2%)
7 Craft/Trades	47 (1.1%)	53 (0.7%)
8 Plant Operator	134 (3.2%)	152 (1.9%)
9 Elementary	132 (3.2%)	145 (1.8%)
Missing	0 (0%)	3,504 (44.1%)

Table 4: Respondant's income - 2019

	N	Mean	SD	Median	Min	Max	Missing
Analisis sample	4,145	33,597	17,333	30,997	182.2	188,097	0
Total sample	7,941	30,581	17,376	27,505	154.9	250,908	5

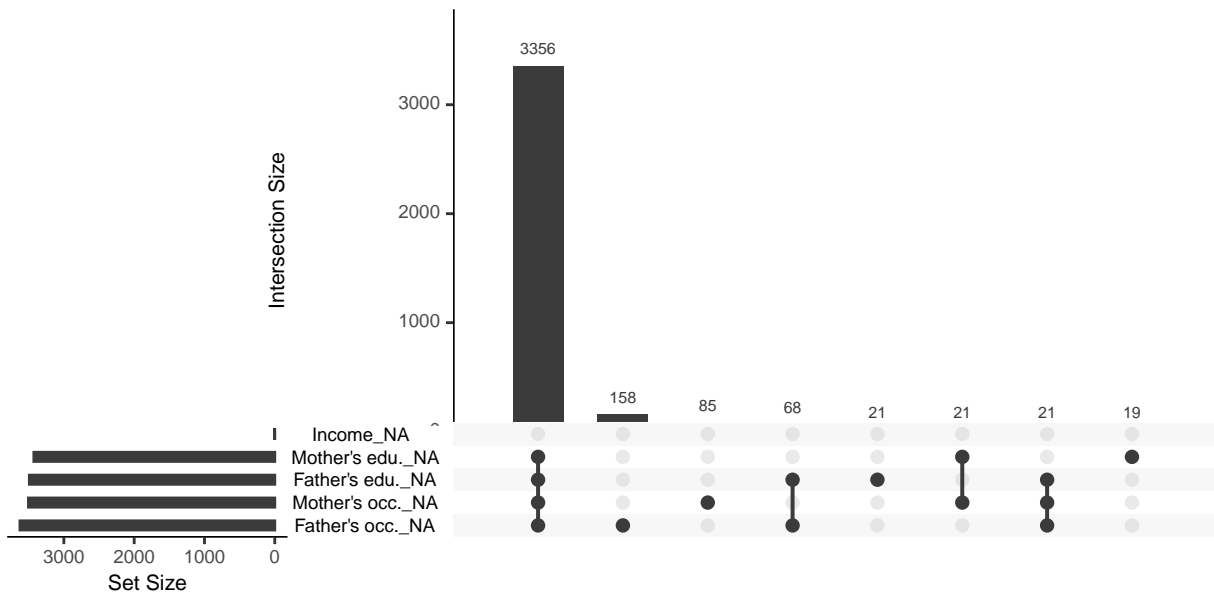# 3 Missing data analysis

3.1 Missing patterns

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

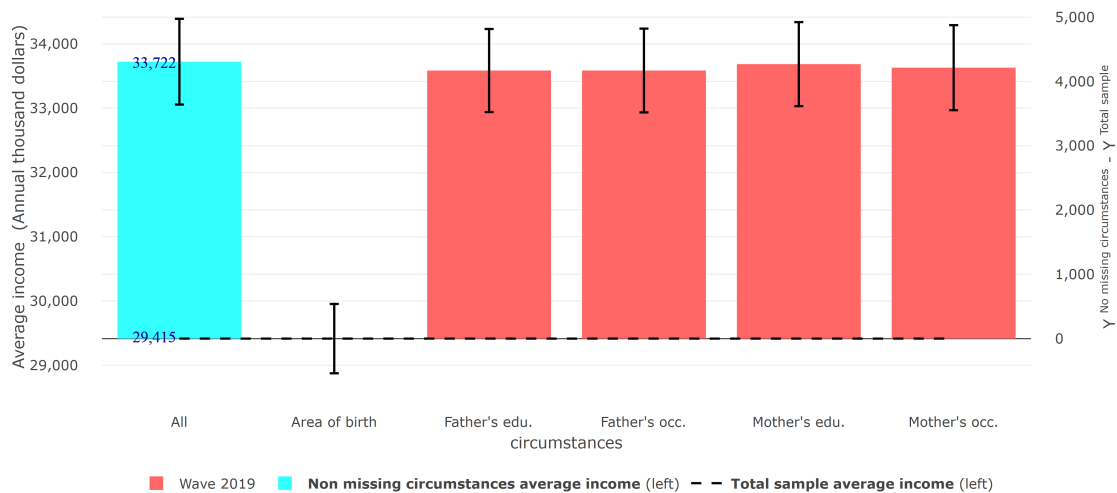## 3.2 Differences in expected total equivalized household income between samples

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	0.267	0.260	0.278	33,722
Wave 2019	Total sample	0.287	0.285	0.299	29,415

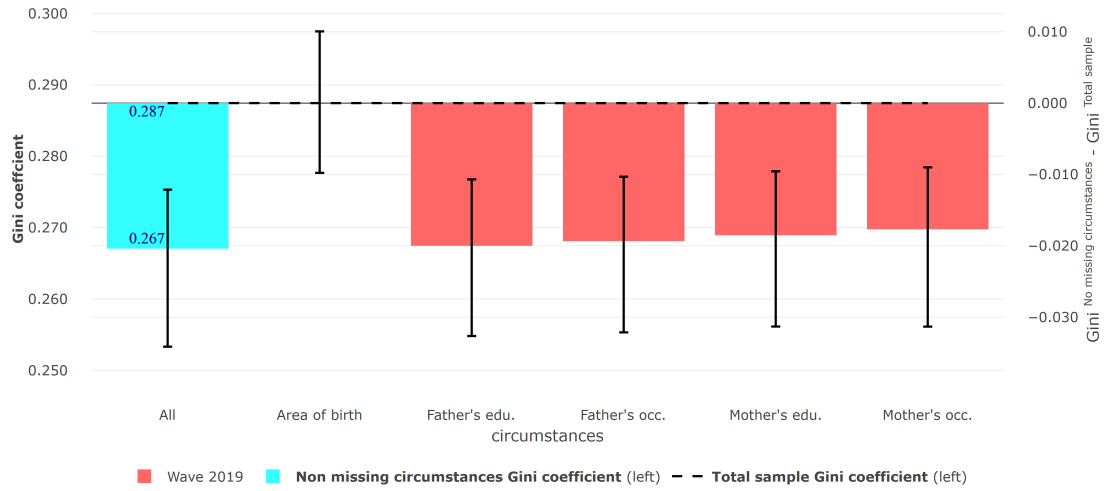## 3.4 Differences in Gini coefficient between samples

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