Latvia 2011

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 2011

Link to the document: https://www.gesis.org/en/missy/metadata/EU-SILC/2011/#LV

Sample: The survey employed a comprehensive sampling approach, incorporating probabilistic, systematic,stratified,and multi-stage designs for a robust representation of the population. There are 13,323 individuals in the total sample and 6,441 individuals in the analysis sample. Section 3 of this document describes the prevalence and pattern of missing data.

Weights: The survey employs the dwelling as unit of analysis and utilizes the inverse of selection probability as a weighting method

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 - 2011

	Analisis sample	Total sample
	(N=6,441)	(N=13,323)
Gender		
Mean (SD)	1.55 (0.498)	1.57 (0.495)
Median [Min, Max]	2.00 [1.00, 2.00]	2.00 [1.00, 2.00]
Region of birth		
1 Local	5,666 (88.0%)	11,214 (84.2%)
3 Other	775 (12.0%)	2,109 (15.8%)

Table 2: Parental education - 2011

	Analisis sample	Total sample
	(N=6,441)	(N=13,323)
Father's education (years)		
0 Unknown	1,199 (18.6%)	1,268 (9.5%)
1 None	15 (0.2%)	16 (0.1%)
2 Low	2,582 (40.1%)	2,661 (20.0%)
3 Medium	2,015 (31.3%)	2,787 (20.9%)
4 High	630 (9.8%)	826 (6.2%)
Missing	0 (0%)	5,765 (43.3%)
Mother's education (levels)		
0 Unknown	159 (2.5%)	169 (1.3%)
1 None	41 (0.6%)	43 (0.3%)
2 Low	2,759 (42.8%)	2,903 (21.8%)
3 Medium	2,677 (41.6%)	3,259 (24.5%)
4 High	805 (12.5%)	1,017 (7.6%)
Missing	0 (0%)	5,932 (44.5%)

Table 3: Parental occupation - 2011

	Analisis sample	Total sample
	(N=6,441)	(N=13,323)
Father's occupation (ISCO)		
0 Dead/unknown/not working	1,496 (23.2%)	1,608 (12.1%)
1 Manager	233 (3.6%)	338 (2.5%)
2 Professional	504 (7.8%)	596 (4.5%)
3 Technician	248 (3.9%)	327 (2.5%)
4 Clerical	65 (1.0%)	78 (0.6%)
5 Service	131 (2.0%)	181 (1.4%)
6 Agriculture	441 (6.8%)	511 (3.8%)
7 Craft/Trades	1,291 (20.0%)	1,532 (11.5%)
8 Plant Operator	1,401 (21.8%)	1,745 (13.1%)
9 Elementary	545 (8.5%)	687 (5.2%)
10 Armed forces	86 (1.3%)	99 (0.7%)
Missing	0 (0%)	5,621 (42.2%)
Mother's occupation (ISCO)		
0 Dead/unknown/not working	697 (10.8%)	755 (5.7%)
1 Manager	219 (3.4%)	337 (2.5%)
2 Professional	875 (13.6%)	1,153 (8.7%)
3 Technician	534 (8.3%)	740 (5.6%)
4 Clerical	616 (9.6%)	770 (5.8%)
5 Service	752 (11.7%)	1,099 (8.2%)
6 Agriculture	578 (9.0%)	664 (5.0%)
7 Craft/Trades	579 (9.0%)	723 (5.4%)
8 Plant Operator	158 (2.5%)	188 (1.4%)
9 Elementary	1,427 (22.2%)	1,780 (13.4%)
10 Armed forces	6 (0.1%)	7 (0.1%)
Missing	0 (0%)	5,107 (38.3%)

Table 4: Respondant's income - 2011

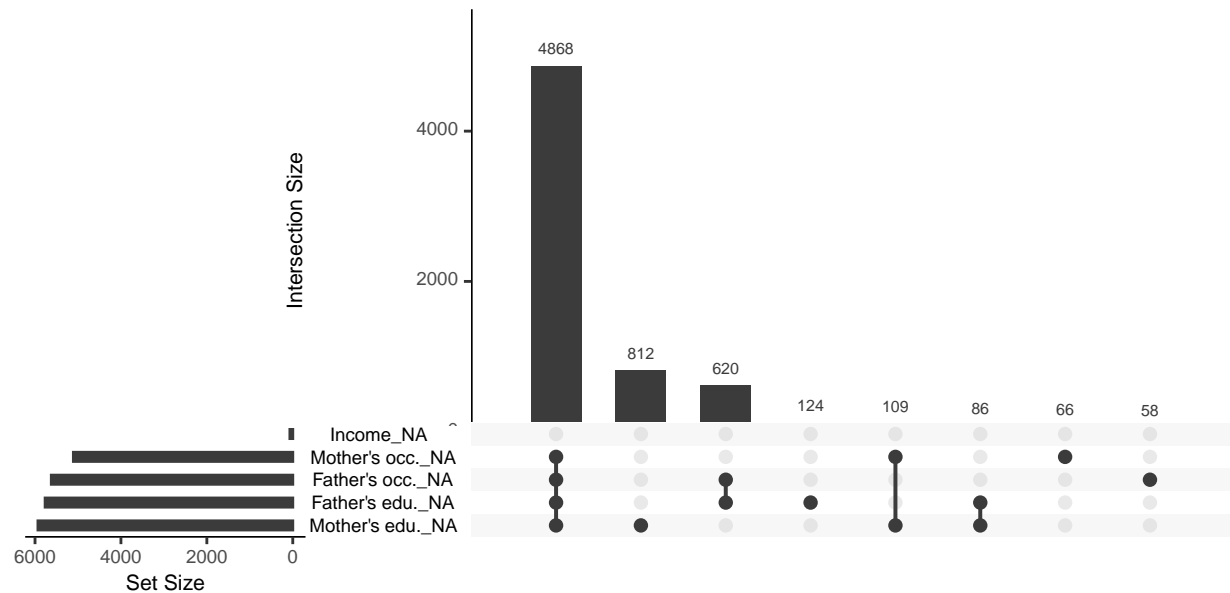|	N	Mean	SD	Median	Min	Max	Missing
Analisis sample	6,441	11,745	8,004	10,044	30.45	70,817	0
Total sample	13,323	11,171	7,655	9,172	30.45	70,817	67

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

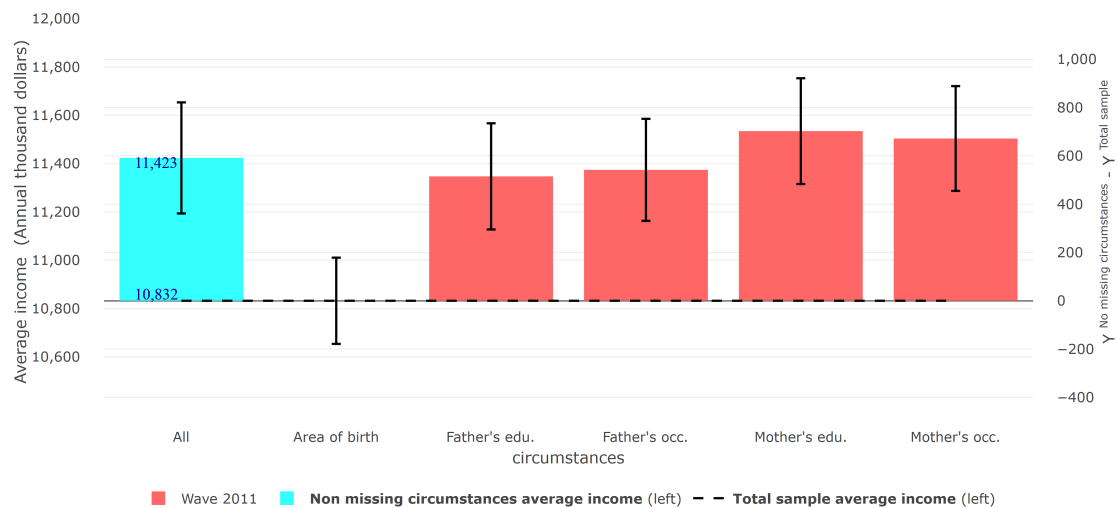## 3.2 Differences in expected total equivalized household income between samples

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 2011	Analysis sample	0.353	0.348	0.362	11,423
Wave 2011	Total sample	0.345	0.337	0.346	10,832

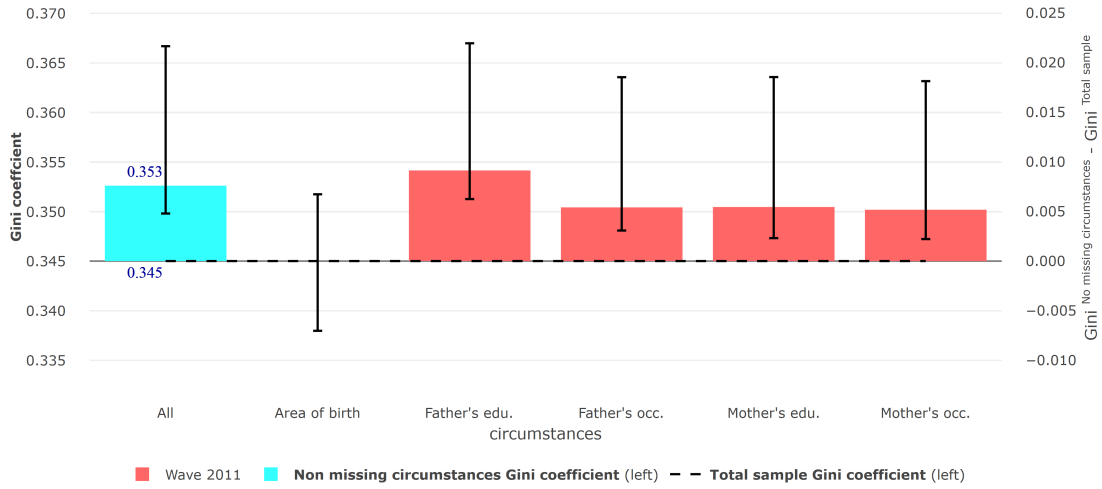## 3.4 Differences in Gini coefficient between samples

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