

# Denmark 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.geis.org/en/missy/metadata/EU-SILC/2011/#DK>

**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 10,217 individuals in the total sample and 2,153 individuals in the analysis sample. Section 3 of this document describes the prevalence and pattern of missing data.

**Weights:** The survey employs the household 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.<sup>1</sup>

**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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<sup>1</sup>Income variable was equivalized using the square root scale.

## 2 Descriptive Statistics

Table 1: Respondant's socio-demographics - 2011

	Analysis sample	Total sample
	(N=2,153)	(N=10,217)
<b>Gender</b>		
Mean (SD)	1.52 (0.500)	1.50 (0.500)
Median [Min, Max]	2.00 [1.00, 2.00]	2.00 [1.00, 2.00]
<b>Region of birth</b>		
1 Local	2,008 (93.3%)	9,635 (94.3%)
2 European Union	51 (2.4%)	215 (2.1%)
3 Other	94 (4.4%)	367 (3.6%)

Table 2: Parental education - 2011

	Analysis sample	Total sample
	(N=2,153)	(N=10,217)
<b>Father's education (years)</b>		
2 Low	728 (33.8%)	841 (8.2%)
3 Medium	954 (44.3%)	1,667 (16.3%)
4 High	471 (21.9%)	806 (7.9%)
Missing	0 (0%)	6,903 (67.6%)
<b>Mother's education (levels)</b>		
2 Low	1,124 (52.2%)	1,407 (13.8%)
3 Medium	637 (29.6%)	933 (9.1%)
4 High	392 (18.2%)	578 (5.7%)
Missing	0 (0%)	7,299 (71.4%)

Table 3: Parental occupation - 2011

	Analysis sample	Total sample
	(N=2,153)	(N=10,217)
<b>Father's occupation (ISCO)</b>		
0 Dead/unknown/not working	40 (1.9%)	45 (0.4%)
1 Manager	236 (11.0%)	363 (3.6%)
2 Professional	279 (13.0%)	505 (4.9%)
3 Technician	161 (7.5%)	282 (2.8%)
4 Clerical	90 (4.2%)	144 (1.4%)
5 Service	251 (11.7%)	351 (3.4%)
6 Agriculture	358 (16.6%)	434 (4.2%)
7 Craft/Trades	576 (26.8%)	785 (7.7%)
8 Plant Operator	138 (6.4%)	231 (2.3%)
9 Elementary	24 (1.1%)	69 (0.7%)
Missing	0 (0%)	7,008 (68.6%)
<b>Mother's occupation (ISCO)</b>		
0 Dead/unknown/not working	719 (33.4%)	811 (7.9%)
1 Manager	41 (1.9%)	87 (0.9%)
2 Professional	244 (11.3%)	619 (6.1%)
3 Technician	183 (8.5%)	368 (3.6%)
4 Clerical	267 (12.4%)	460 (4.5%)
5 Service	467 (21.7%)	774 (7.6%)
6 Agriculture	61 (2.8%)	90 (0.9%)
7 Craft/Trades	114 (5.3%)	151 (1.5%)
8 Plant Operator	55 (2.6%)	97 (0.9%)
9 Elementary	2 (0.1%)	71 (0.7%)
Missing	0 (0%)	6,689 (65.5%)

Table 4: Respondant's income - 2011

	N	Mean	SD	Median	Min	Max	Missing
Analysis sample	2,153	33,569	20,842	31,065	981.2	336,571	0
Total sample	10,217	31,938	20,170	28,871	981.2	336,571	51

### 3 Missing data analysis

#### 3.1 Missing patterns

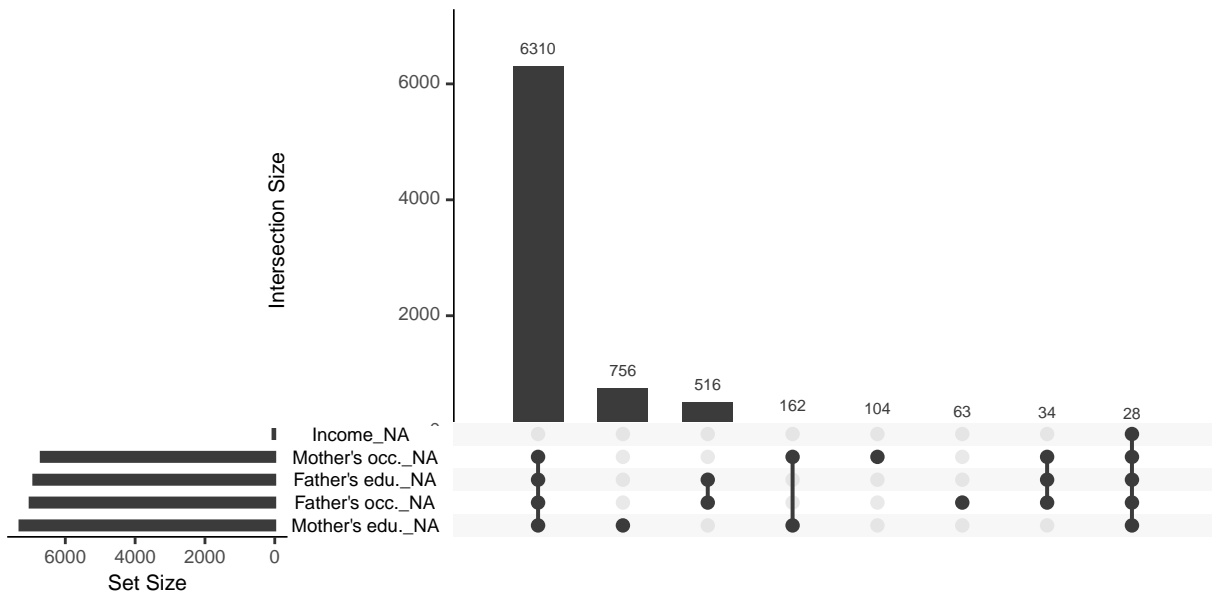


Figure 1: Missing patterns: *Left*: Marginal distribution of missing observations per variable. *Right*: Combination of missingness across cases

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

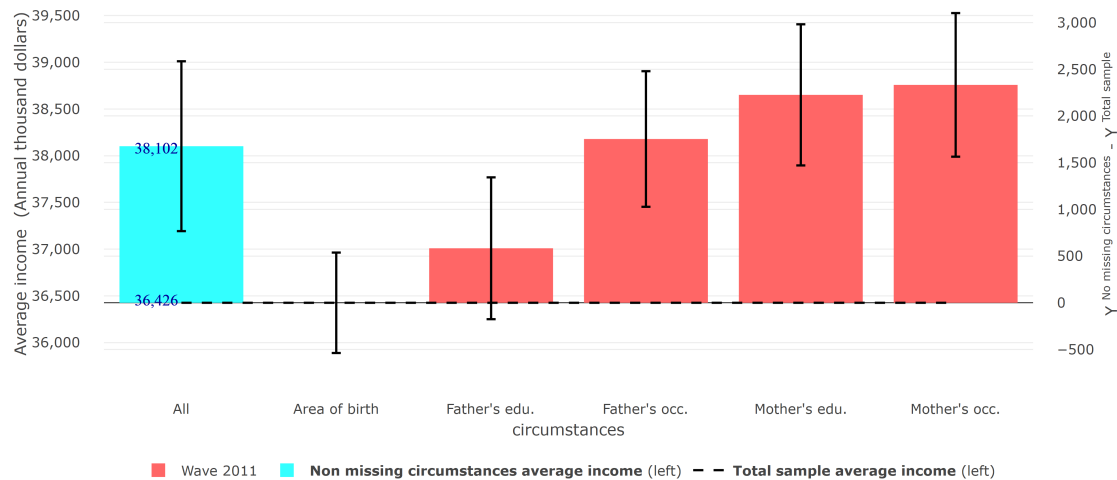


Figure 2: Differences in expected total equivalized household income between the sample with non-missing circumstances and the total sample

### 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	0.264	0.207	0.238	38,102
Wave 2011	Total sample	0.269	0.228	0.243	36,426

### 3.4 Differences in Gini coefficient between samples

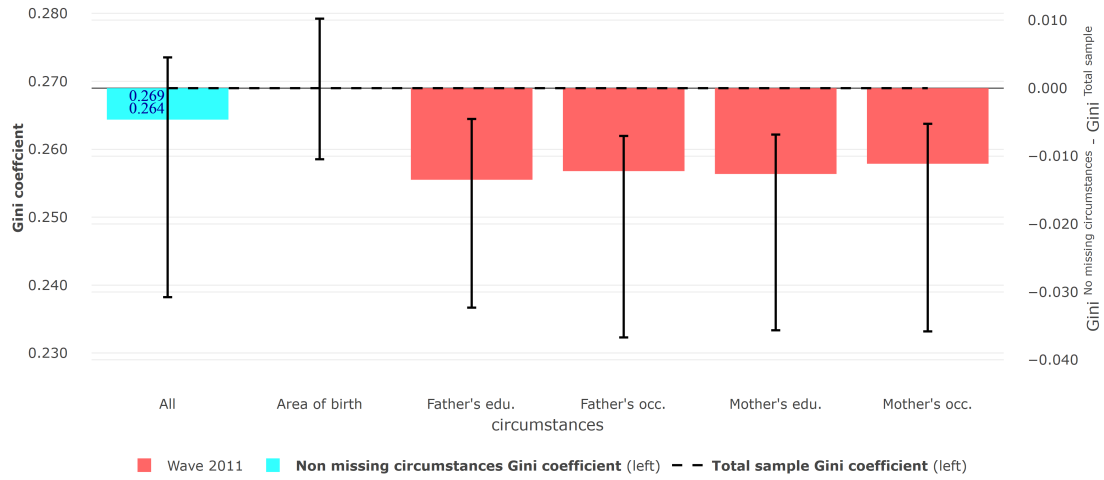


Figure 3: Differences in Gini coefficient between the sample with non-missing circumstances and the total sample