

# **Beyond Individual Gains: Family-Related Self-Interest and Preferences for Redistribution**

## Supplementary Materials

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## **1 Reproducibility**

All codes used to produce the results below and in the paper have been made available on the following server: [https://github.com/garevaloig/Arevalo-Iglesias\\_Gurin\\_Beyond\\_Individual\\_Gains](https://github.com/garevaloig/Arevalo-Iglesias_Gurin_Beyond_Individual_Gains)

The employed European Social Survey data can be accessed at  
<https://www.europeansocialsurvey.org/data-portal>

The employed Eurostat Income Data can be accessed at  
[https://ec.europa.eu/eurostat/web/products-datasets/-/earn\\_ses\\_hourly](https://ec.europa.eu/eurostat/web/products-datasets/-/earn_ses_hourly)

The simulation tool EUROMOD and the Hypothetical Household Tool can be downloaded at  
<https://euromod-web.jrc.ec.europa.eu/download-euromod>

Our simulated tax-benefit outputs for each family type and country can be accessed at  
[https://github.com/garevaloig/Arevalo-Iglesias\\_Gurin\\_Beyond\\_Individual\\_Gains/blob/main/EUROMOD\\_2016\\_data.xlsx](https://github.com/garevaloig/Arevalo-Iglesias_Gurin_Beyond_Individual_Gains/blob/main/EUROMOD_2016_data.xlsx)

## 2 Research Design

**Table 1: Family Forms (definitions used for simulation in HHoT)**

| Partnership   | Marital    | Children   | HH Income | Distribution Paid Work | Reference Point     |
|---------------|------------|------------|-----------|------------------------|---------------------|
| Single Parent | Single     | 2 children | Low       | No earner              | SI Low HH Income    |
|               |            |            | Middle    |                        | SI Middle HH Income |
|               |            |            | High      |                        | SI High HH Income   |
|               |            | 3 children | Low       | Single earner          | SI Low HH Income    |
|               |            |            | Middle    |                        | SI Middle HH Income |
|               |            |            | High      |                        | SI High HH Income   |
|               |            | 2 children | Low       | Single earner          | SI Low HH Income    |
|               |            |            | Middle    |                        | SI Middle HH Income |
|               |            |            | High      |                        | SI High HH Income   |
|               |            | 3 children | Low       | Single earner          | SI Low HH Income    |
|               |            |            | Middle    |                        | SI Middle HH Income |
|               |            |            | High      |                        | SI High HH Income   |
| Couples       | Cohabiting | 0 children | Low       | No earner              | SI Low HH Income    |
|               |            |            |           | Single earner          | SI Low HH Income    |
|               |            |            |           | Supplementary earner   | SI Low HH Income    |
|               |            |            |           | Dual earner            | SI Low HH Income    |
|               |            | Middle     | No earner | SI Middle HH Income    |                     |
|               |            |            |           | Single earner          | SI Middle HH Income |
|               |            |            |           | Supplementary earner   | SI Middle HH Income |
|               |            |            |           | Dual earner            | SI Middle HH Income |
|               |            | High       | No earner | SI High HH Income      |                     |
|               |            |            |           | Single earner          | SI High HH Income   |
|               |            |            |           | Supplementary earner   | SI High HH Income   |
|               |            |            |           | Dual earner            | SI High HH Income   |
|               |            | 2 children | Low       | No earner              | SI Low HH Income    |
|               |            |            |           | Single earner          | SI Low HH Income    |
|               |            |            |           | Supplementary earner   | SI Low HH Income    |
|               |            |            |           | Dual earner            | SI Low HH Income    |
|               |            |            | Middle    | No earner              | SI Middle HH Income |
|               |            |            |           | Single earner          | SI Middle HH Income |
|               |            |            |           | Supplementary earner   | SI Middle HH Income |
|               |            |            |           | Dual earner            | SI Middle HH Income |
|               |            | High       | No earner | SI High HH Income      |                     |
|               |            |            |           | Single earner          | SI High HH Income   |
|               |            |            |           | Supplementary earner   | SI High HH Income   |
|               |            |            |           | Dual earner            | SI High HH Income   |
|               |            | 3 children | Low       | No earner              | SI Low HH Income    |
|               |            |            |           | Single earner          | SI Low HH Income    |
|               |            |            |           | Supplementary earner   | SI Low HH Income    |
|               |            |            |           | Dual earner            | SI Low HH Income    |
|               |            |            | Middle    | No earner              | SI Middle HH Income |
|               |            |            |           | Single earner          | SI Middle HH Income |

|         |            |        |                      |                      |                     |
|---------|------------|--------|----------------------|----------------------|---------------------|
|         |            |        |                      | Supplementary earner | SI Middle HH Income |
|         |            |        |                      | Dual earner          | SI Middle HH Income |
| Married | 0 children | High   | No earner            | SI High HH Income    |                     |
|         |            |        | Single earner        | SI High HH Income    |                     |
|         |            |        | Supplementary earner | SI High HH Income    |                     |
|         |            |        | Dual earner          | SI High HH Income    |                     |
|         |            | Low    | No earner            | SI Low HH Income     |                     |
|         |            |        | Single earner        | SI Low HH Income     |                     |
|         |            |        | Supplementary earner | SI Low HH Income     |                     |
|         |            |        | Dual earner          | SI Low HH Income     |                     |
|         |            | Middle | No earner            | SI Middle HH Income  |                     |
|         |            |        | Single earner        | SI Middle HH Income  |                     |
|         |            |        | Supplementary earner | SI Middle HH Income  |                     |
|         |            |        | Dual earner          | SI Middle HH Income  |                     |
|         |            | High   | No earner            | SI High HH Income    |                     |
|         |            |        | Single earner        | SI High HH Income    |                     |
|         |            |        | Supplementary earner | SI High HH Income    |                     |
|         |            |        | Dual earner          | SI High HH Income    |                     |
|         | 2 children | Low    | No earner            | SI Low HH Income     |                     |
|         |            |        | Single earner        | SI Low HH Income     |                     |
|         |            |        | Supplementary earner | SI Low HH Income     |                     |
|         |            |        | Dual earner          | SI Low HH Income     |                     |
|         |            | Middle | No earner            | SI Middle HH Income  |                     |
|         |            |        | Single earner        | SI Middle HH Income  |                     |
|         |            |        | Supplementary earner | SI Middle HH Income  |                     |
|         |            |        | Dual earner          | SI Middle HH Income  |                     |
|         |            | High   | No earner            | SI High HH Income    |                     |
|         |            |        | Single earner        | SI High HH Income    |                     |
|         |            |        | Supplementary earner | SI High HH Income    |                     |
|         |            |        | Dual earner          | SI High HH Income    |                     |
|         | 3 children | Low    | No earner            | SI Low HH Income     |                     |
|         |            |        | Single earner        | SI Low HH Income     |                     |
|         |            |        | Supplementary earner | SI Low HH Income     |                     |
|         |            |        | Dual earner          | SI Low HH Income     |                     |
|         |            | Middle | No earner            | SI Middle HH Income  |                     |
|         |            |        | Single earner        | SI Middle HH Income  |                     |
|         |            |        | Supplementary earner | SI Middle HH Income  |                     |
|         |            |        | Dual earner          | SI Middle HH Income  |                     |
|         |            | High   | No earner            | SI High HH Income    |                     |
|         |            |        | Single earner        | SI High HH Income    |                     |
|         |            |        | Supplementary earner | SI High HH Income    |                     |
|         |            |        | Dual earner          | SI High HH Income    |                     |

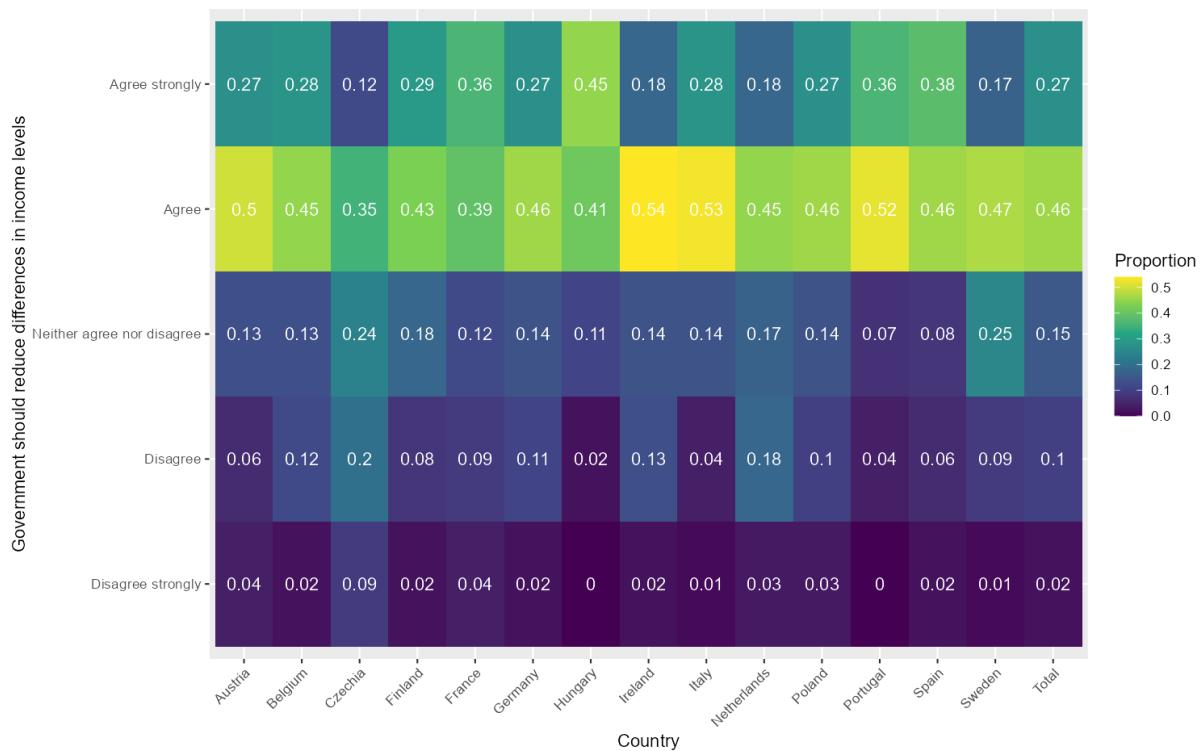
**Table 2: Operationalisation of Variables (with European Social Survey data)**

| Variable                                     | Original ESS9 Items  | Transformations   | Characteristics   |
|--|--|---|---|
| Redistributive Preferences                   | <i>gincdif</i><br>“Government should reduce differences in income levels”  | Values inverted   | Likert Scale, ordinal.<br>Values ranging from 1-5<br>“Disagree strongly” to 5-“Agree strongly”      |
| Preferences for Work-Family Balance Policies | <i>Wrkprbf</i><br>“Government introducing extra social benefits and services to make it easier for working parents to combine work and family life even if it means much higher taxes for all” |   | Likert Scale, ordinal.<br>Values ranging from 1-4<br>“Strongly against” to 4-“Strongly in favour”   |
| Age  | <i>agea</i>  |   | Numeric   |
| Gender                                       | <i>gndr</i>  |   | Dummy (1=female)  |
| Occupational status                          | <i>mnactic</i>   | Levels grouped in “Paid employment”, “NEET” and “In education”.   | Categorical   |
| Individual income                            | <i>isco08, wktot, gndr, cntry</i>  | Income estimated through the average salary of an individual in the same country, with the same gender, ISCO-08 occupation (1d) and working time, using Eurostat data.<br>Values grouped in “No income”, “Half the average”, “Average” and “Double the average” | Categorical   |
| Education                                    | <i>eisced</i>  | Levels grouped in “No higher secondary education” and “Achieved higher secondary education”   | Dummy (1=achieved higher secondary education)   |
| Religiosity                                  | <i>rlgdgr</i>  |   | Likert Scale, ordinal.<br>Values ranging from 0-10<br>“Not at all religious” to 10-“Very religious” |
| Support for gay rights                       | <i>freehms</i>   | Levels inverted   | Likert scale, ordinal.<br>Values ranging from 1-5<br>“Disagree strongly” to 5-“Agree strongly”.     |
| Cohort                                       | <i>agea</i>  | Age recoded in groups   | Ordinal. Levels: “<20”, “20-45”, “>45”  |

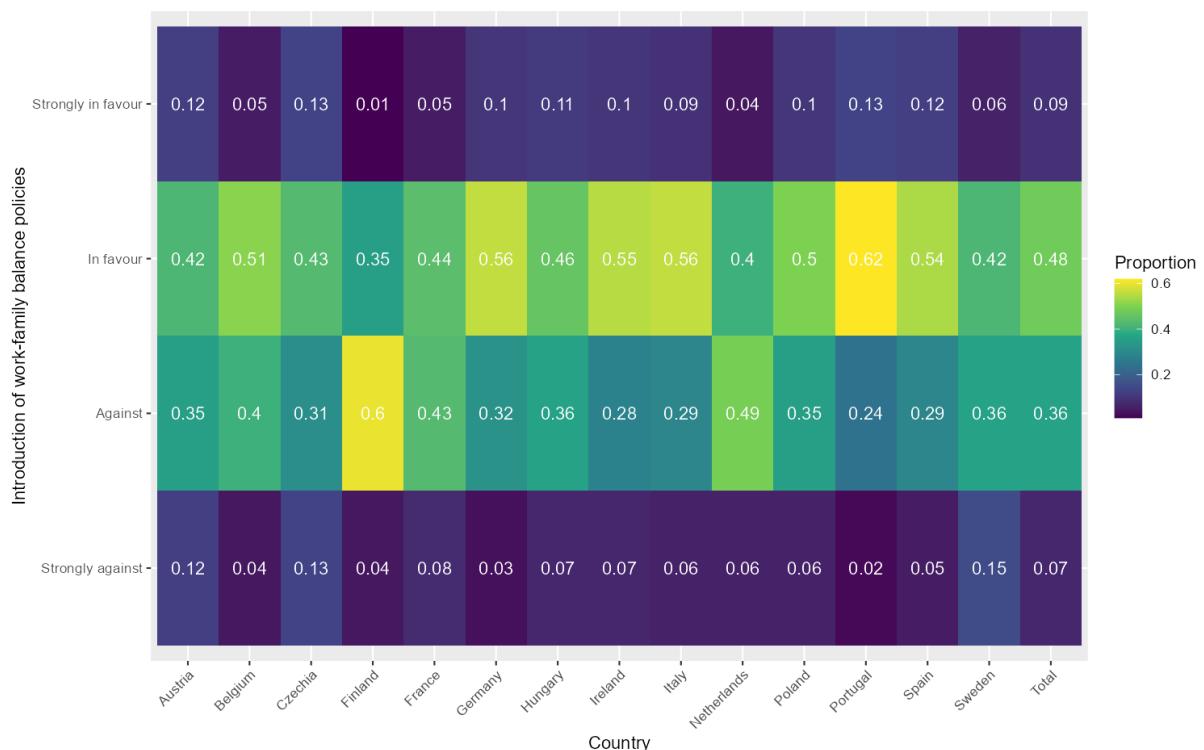
| <b>Family characteristics</b>                          |  |  |   |
|--|--|--|---|
| Lives with partner                                     | <i>rshipa2-rshipa15</i>                    | If partner in household grid,<br><i>lwpartner=yes</i><br>Else, <i>lwpartner=no</i>   | Dummy (1=yes)   |
| Marital status   | <i>maritalb</i>                            | Levels grouped into<br>“Married” and “Not<br>Married” (or in civil union)  | Dummy (1= <i>married or in<br/>civil union</i> )        |
| Number of minor<br>children in the<br>household        | <i>rshipa2-rshipa15;<br/>yrbrn2-yrbn15</i> | Count number of children of<br>the respondent who are under<br>18 in the household   | Numeric   |
| Household income                                       | <i>hinctnta</i>                            | Levels (deciles) grouped in<br>“Low” (D1-D3), “Middle”<br>(D4-D7) and “High” (D8-D10)  | Ordinal.<br>Levels ranging from 1-<br>“Low” to 3-“High” |
| Distribution of paid<br>work                           |  | If nor respondent neither<br>partner have an income,<br><i>earnings_dist=No earner</i><br><br>If respondent lives alone or<br>lives with partner and only one<br>has an income,<br><i>earnings_dist=Single earner</i><br><br>If respondent lives with<br>partner and they are in a<br>different income group<br><i>earnings_dist=Supplementary<br/>earner.</i><br><br>If respondent lives with<br>partner and they are in the<br>same income group<br><i>earnings_dist=Dual earner</i> | Categorical   |
| <b>Simulated values (using HHoT)</b>                   |  |  |   |
| NDI First adult  |  | Converted to PPS   | Numeric   |
| NDI Reference point                                    |  | Converted to PPS   | Numeric   |
| Difference FA-RP<br>(Family-Related<br>Redistribution) |  | Converted to PPS   | Numeric   |
| NDI Family Form  |  | Converted to PPS   | Numeric   |
| NDI Partner  |  | Converted to PPS   | Numeric   |
| <b>Country-level variables</b>                         |  |  |   |
| Average FRR  | Difference<br>FA-RP                        | Average level of Family-<br>Related Redistribution across<br>all Family Forms in Country   | Numeric   |
| GDP pc   | Data from<br>World Bank                    |  |   |
| Gini Index   | Data from<br>World Bank                    |  |   |

### 3 Descriptive Analyses

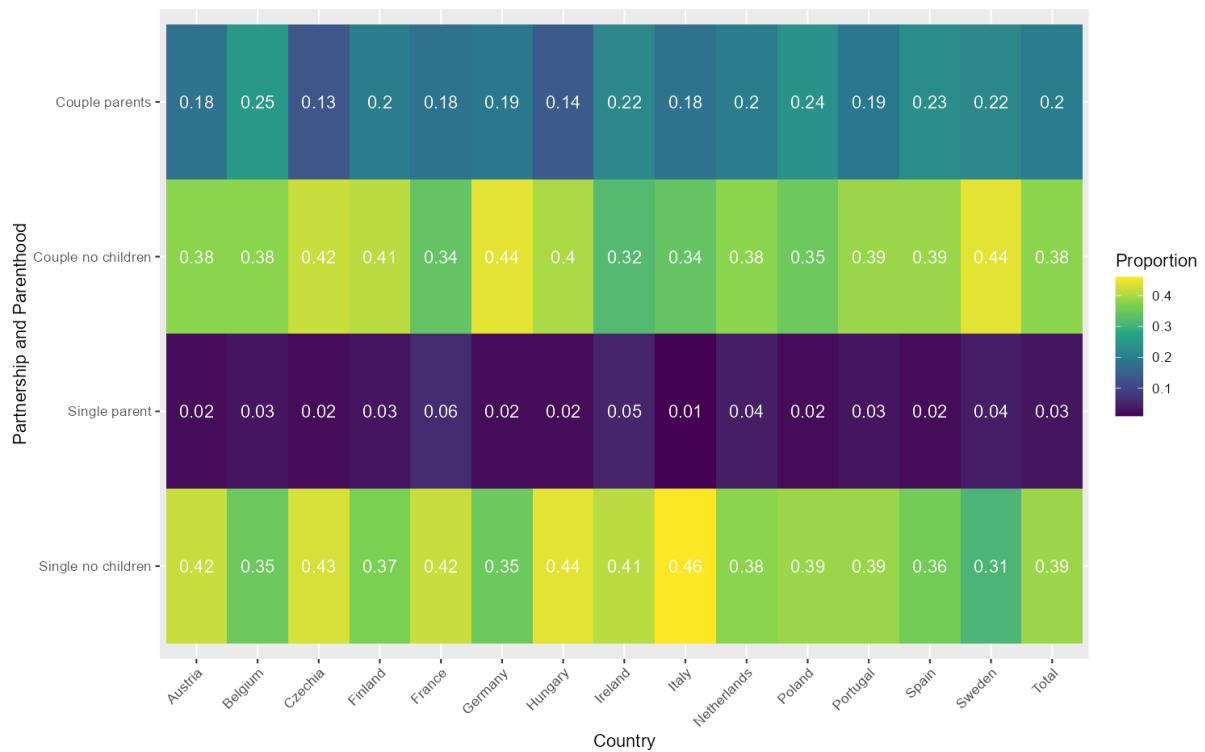
**Figure 1.1: Distribution of preferences for redistribution**



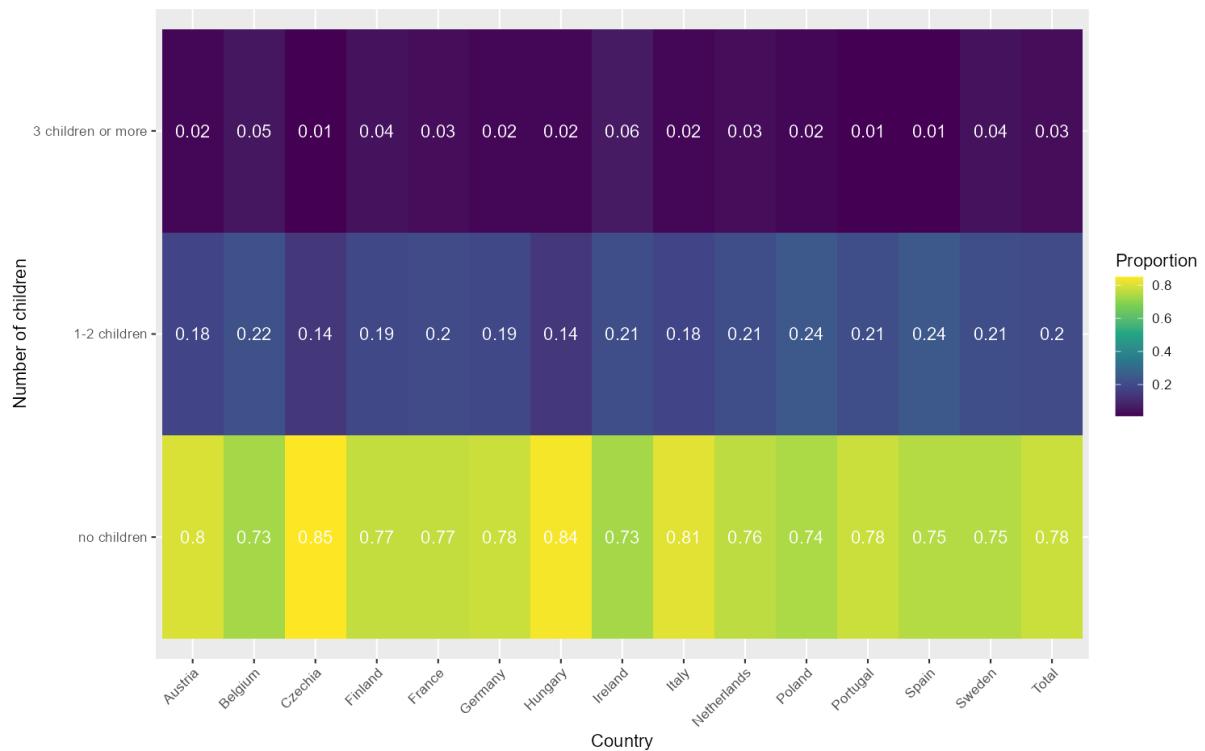
**Figure 1.2: Distribution of preferences for work-family balance policies**



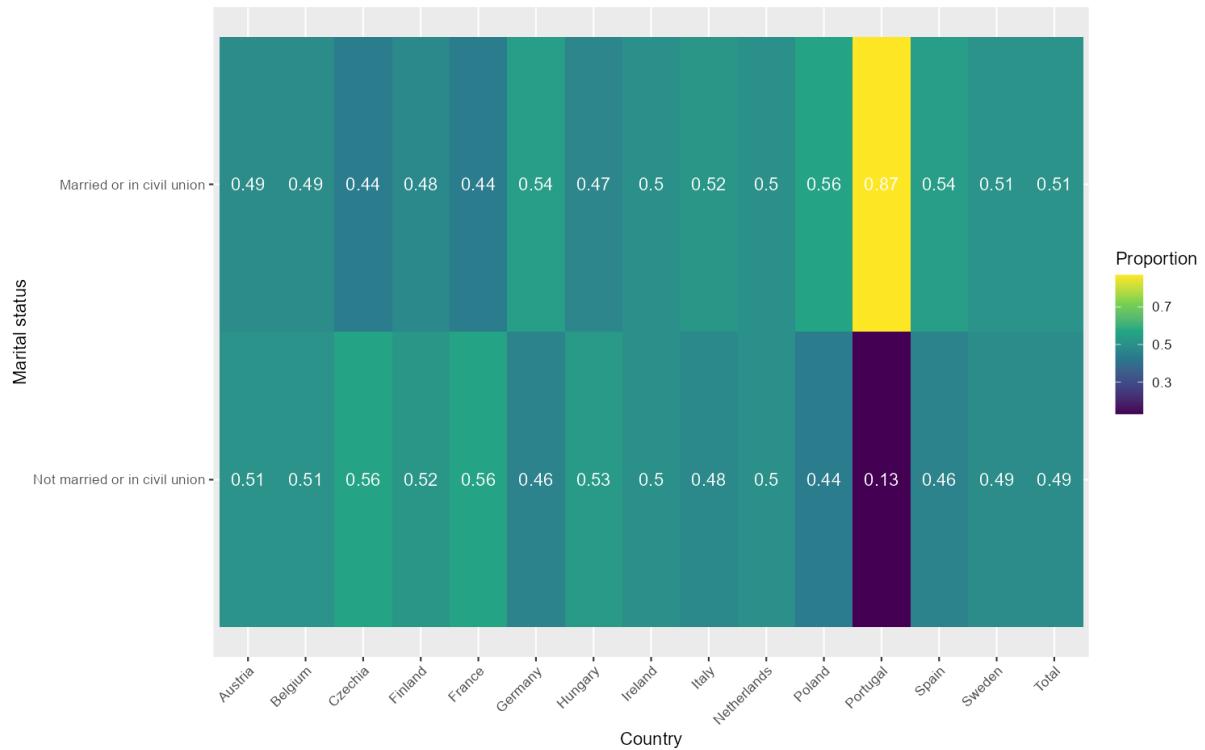
**Figure 2.1: Distribution of partnership and parenthood combinations**



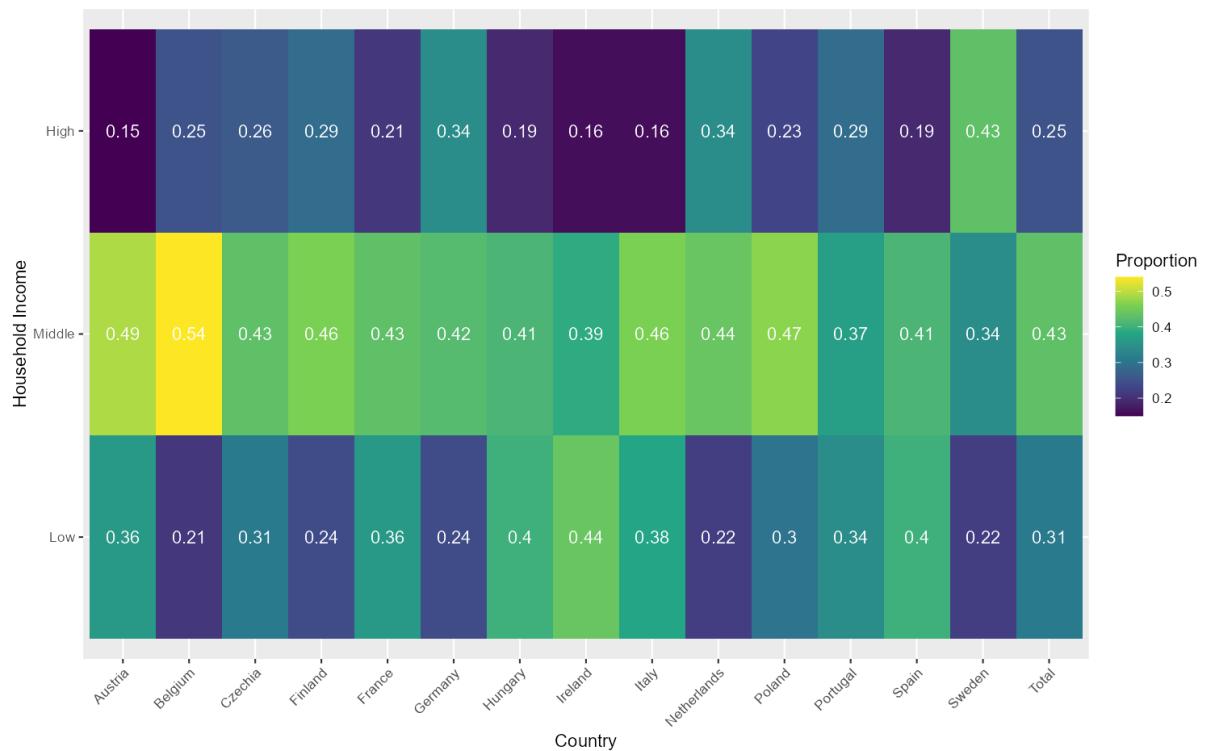
**Figure 2.2: Distribution of number of minor children living at home**



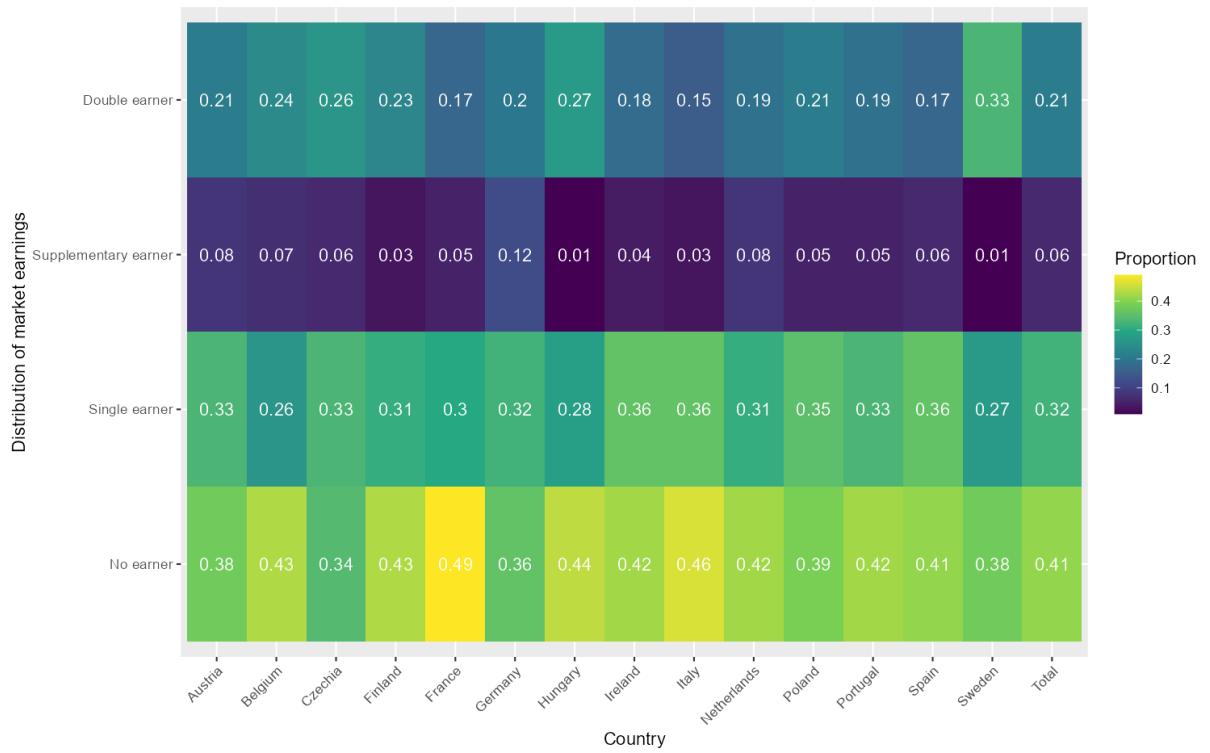
**Figure 2.3: Distribution of marital status**



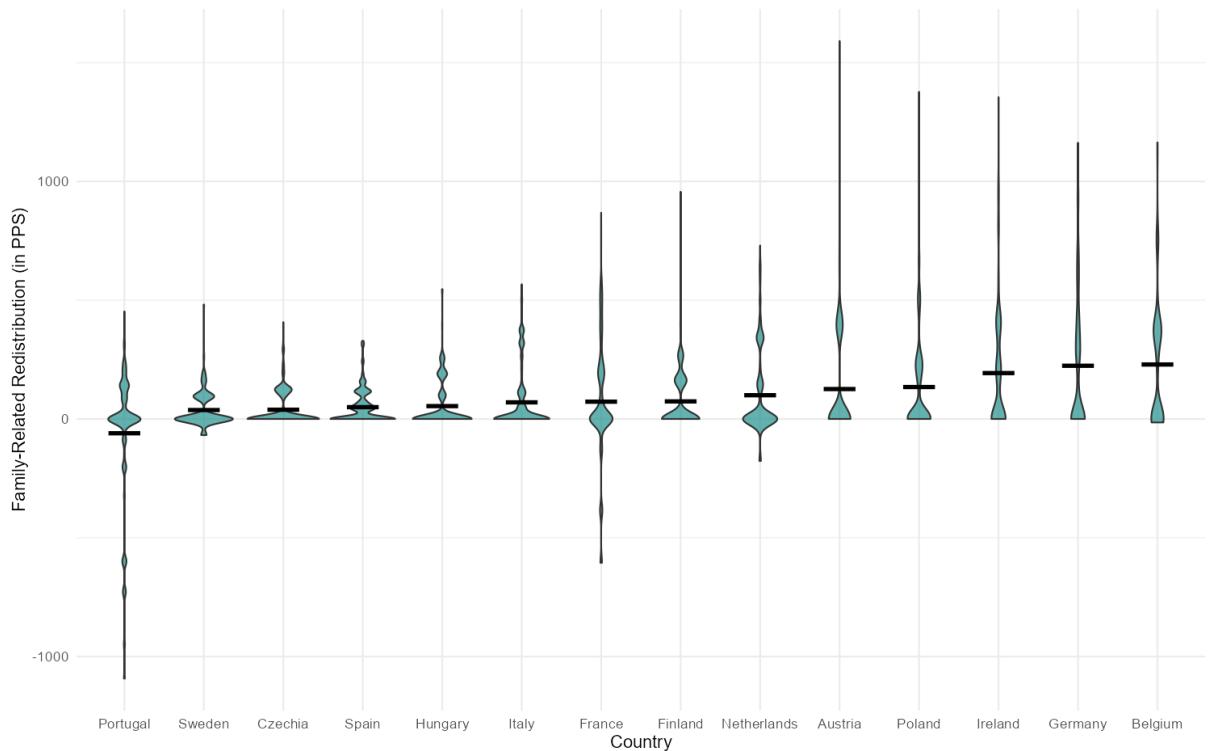
**Figure 2.4: Distribution of household income across the sample**



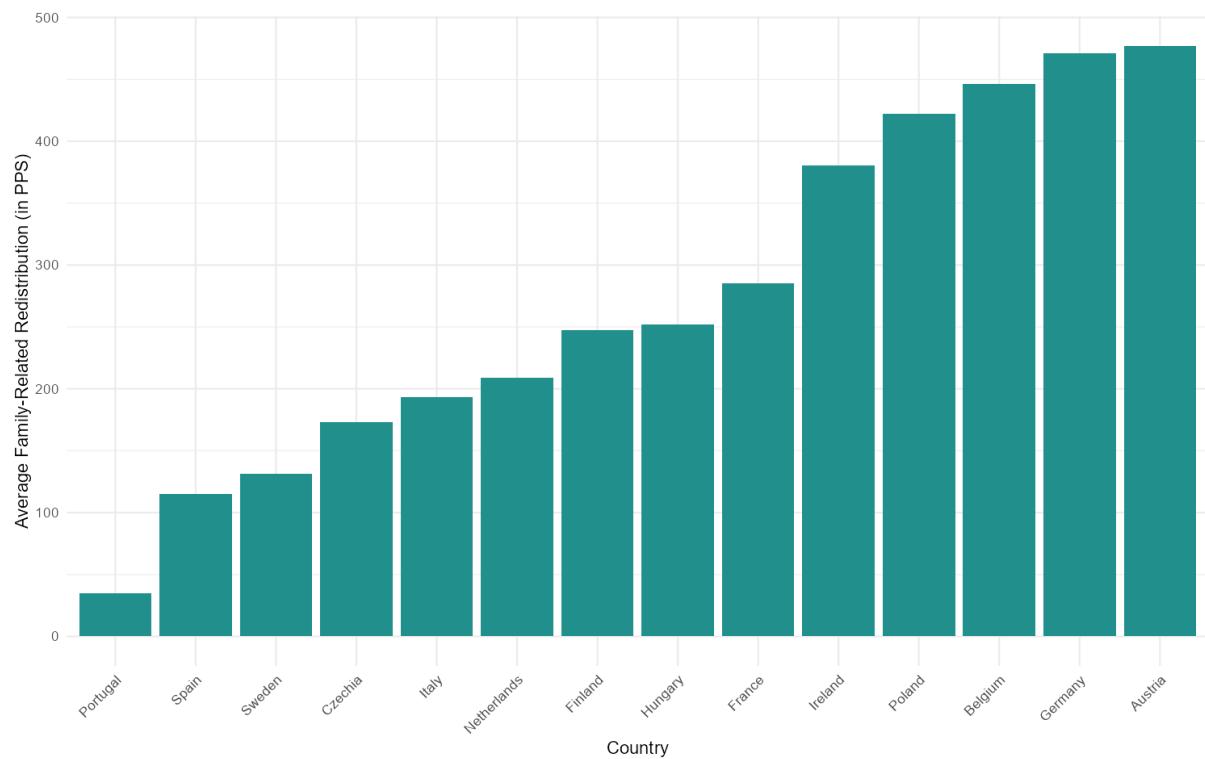
**Figure 2.5: Distribution of within-household division of market earnings**



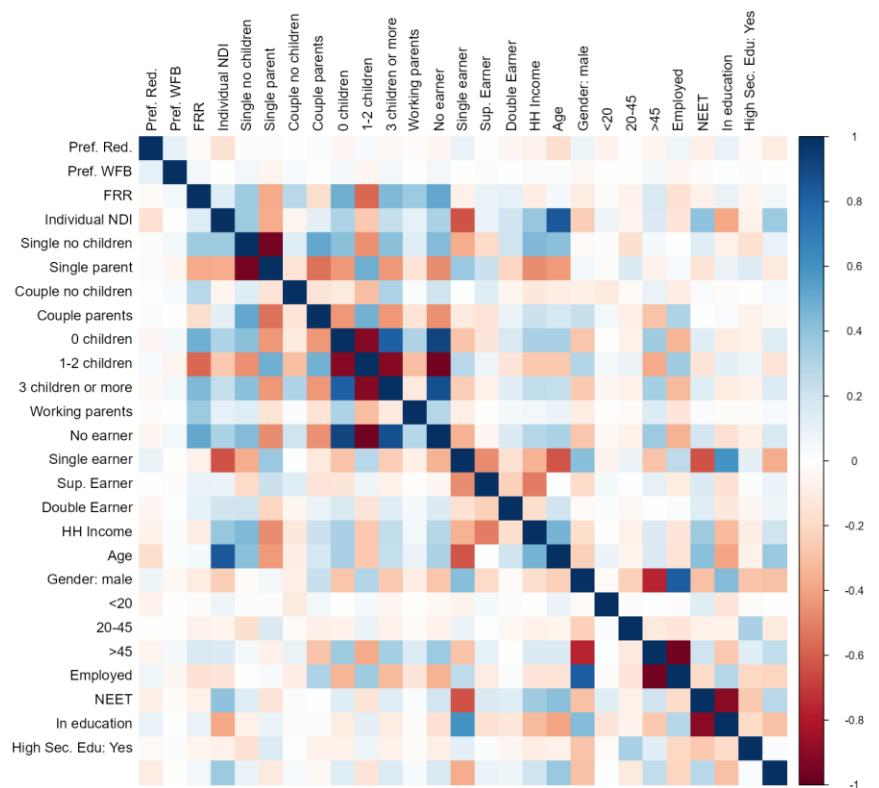
**Figure 3.1: Distribution of Family-Related Redistribution across ESS sample**



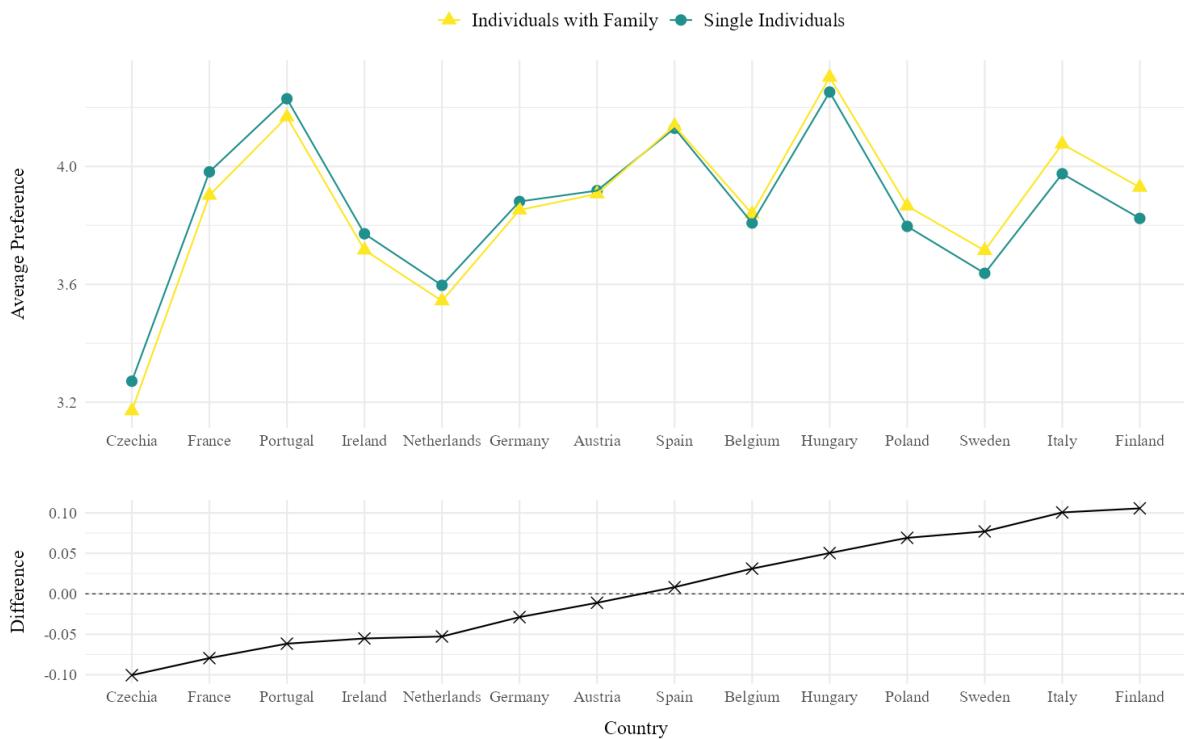
**Figure 3.2: Average Family-Related Redistribution per country**



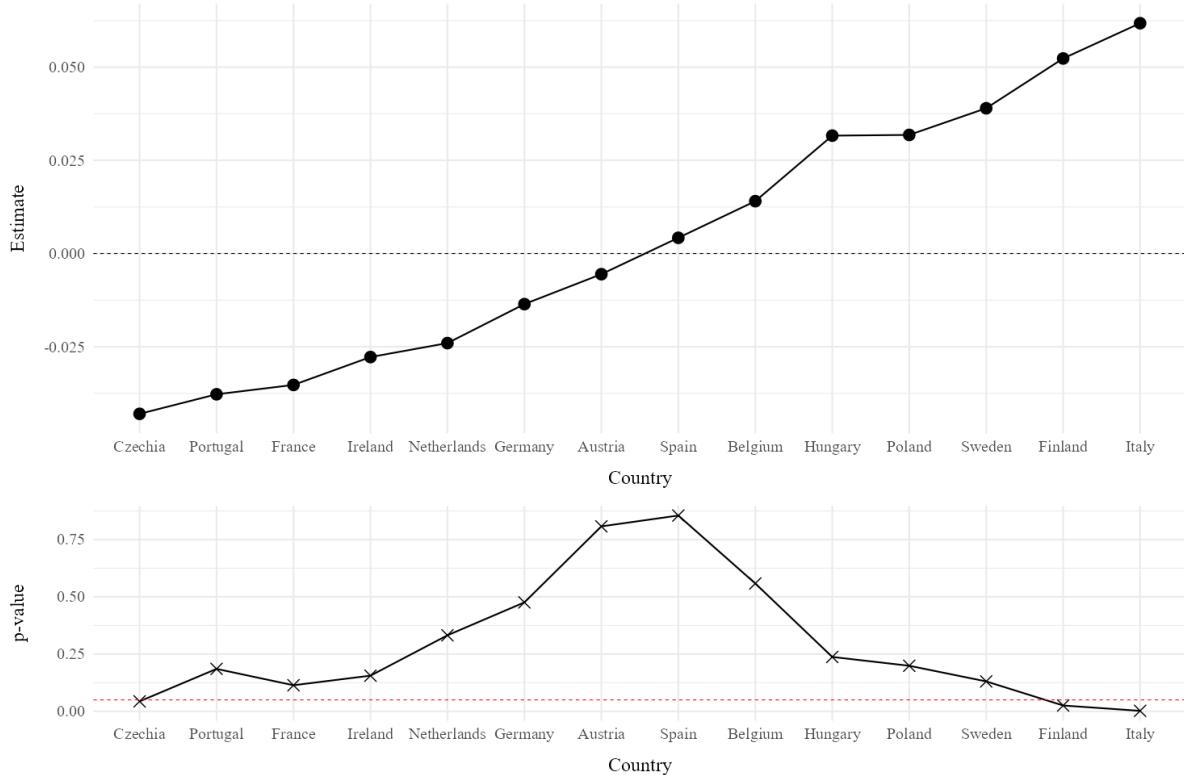
**Figure 4: Correlations between key variables**



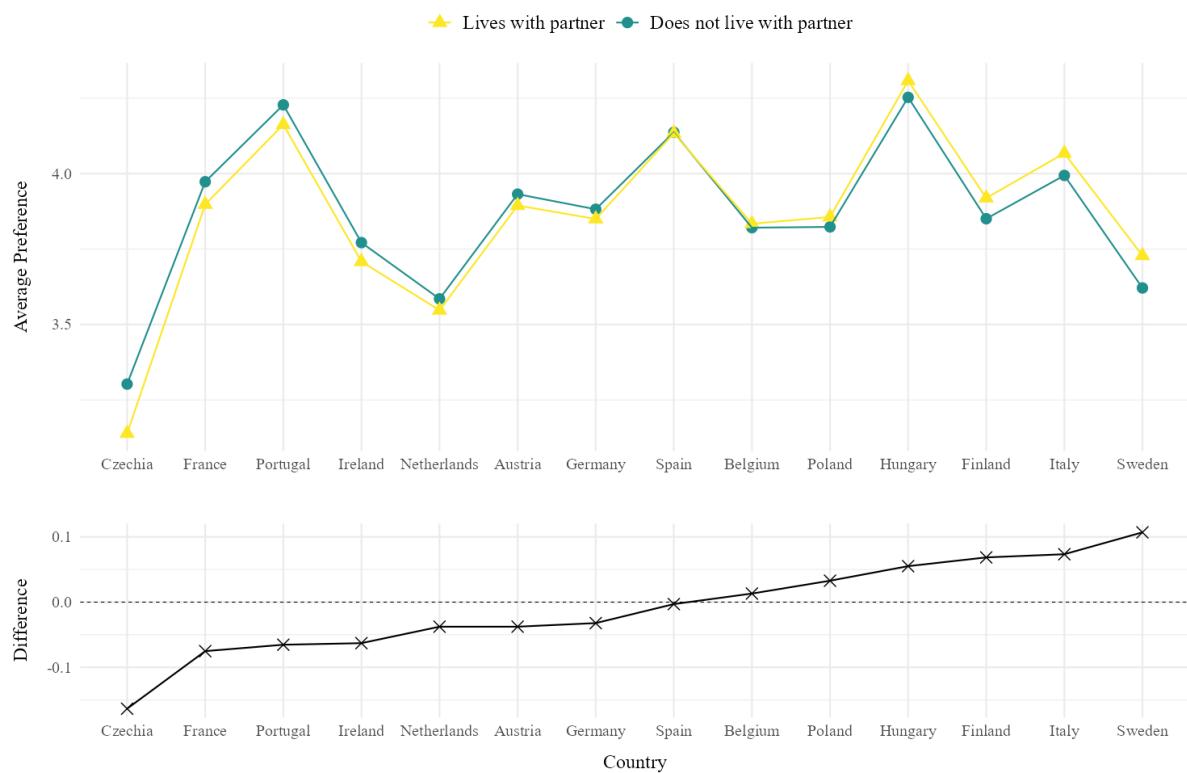
**Figure 5.1: Mean preferences for redistribution for individuals with family vs. single individuals**



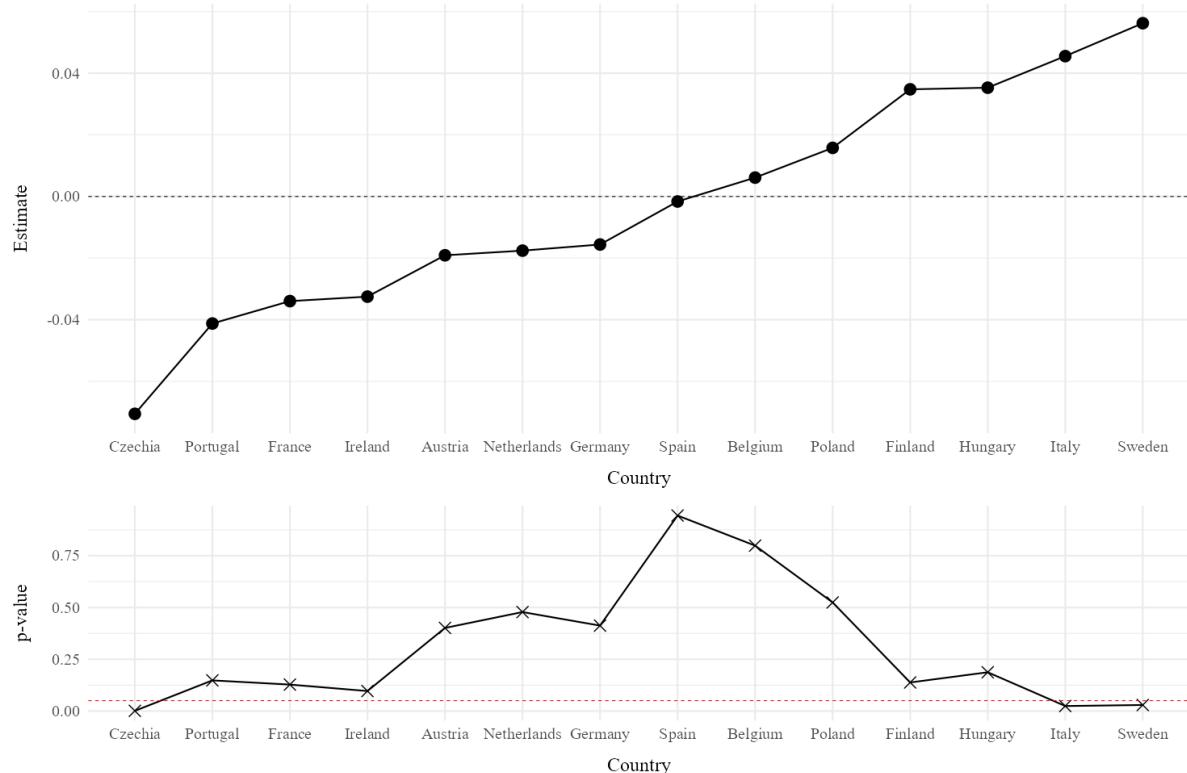
**Figure 5.2: Estimated correlations between preferences for redistribution and individuals with family (reference=single individuals)**



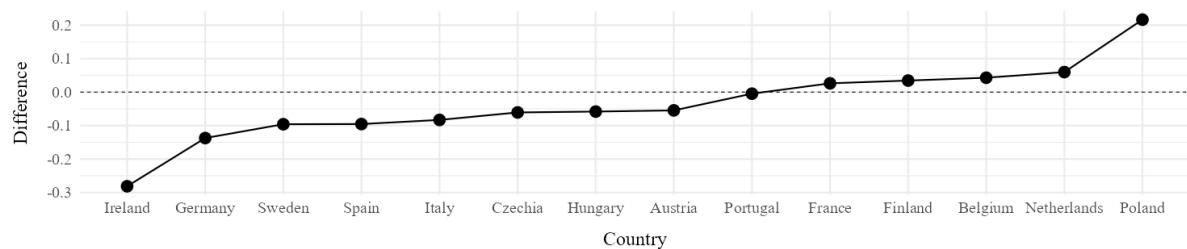
**Figure 6.1: Mean preferences for redistribution for individuals living with partner vs. not living with partner**



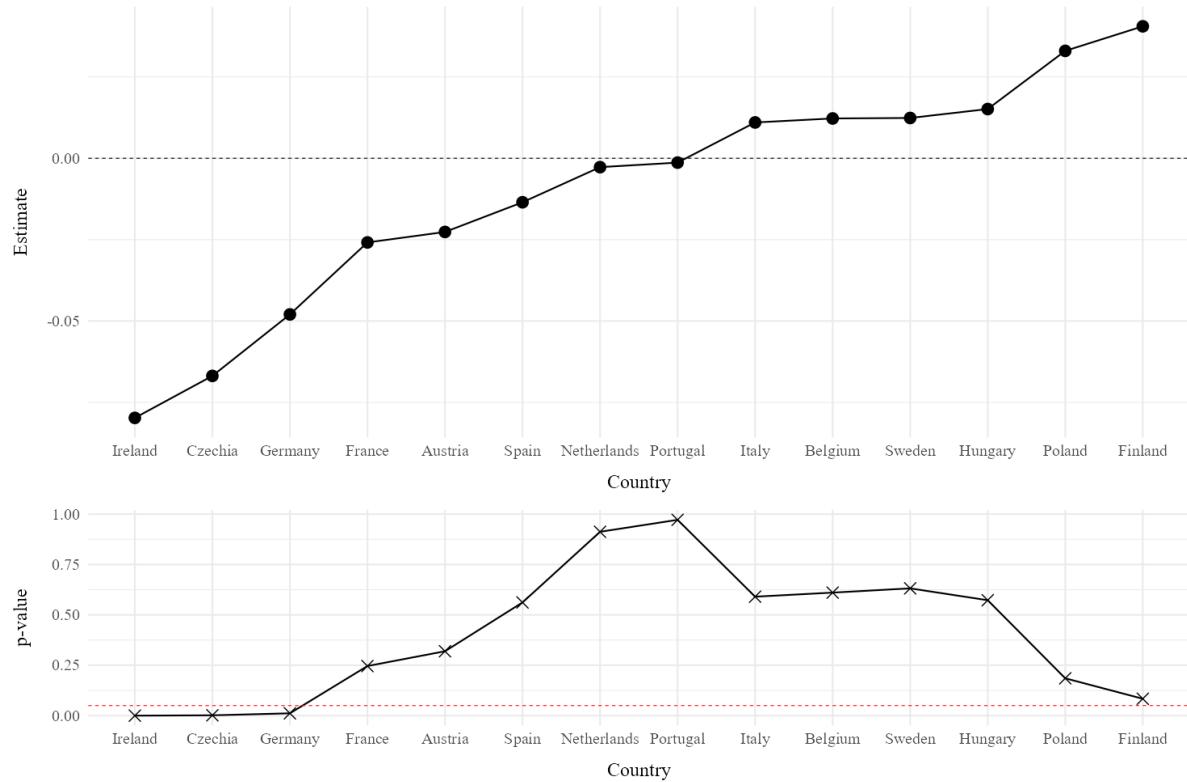
**Figure 6.2: Estimated correlations between preferences for redistribution and individuals living with partner (reference=not living with partner)**



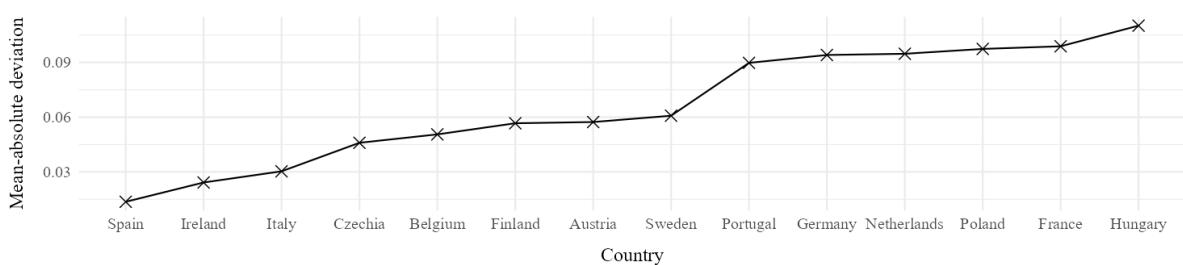
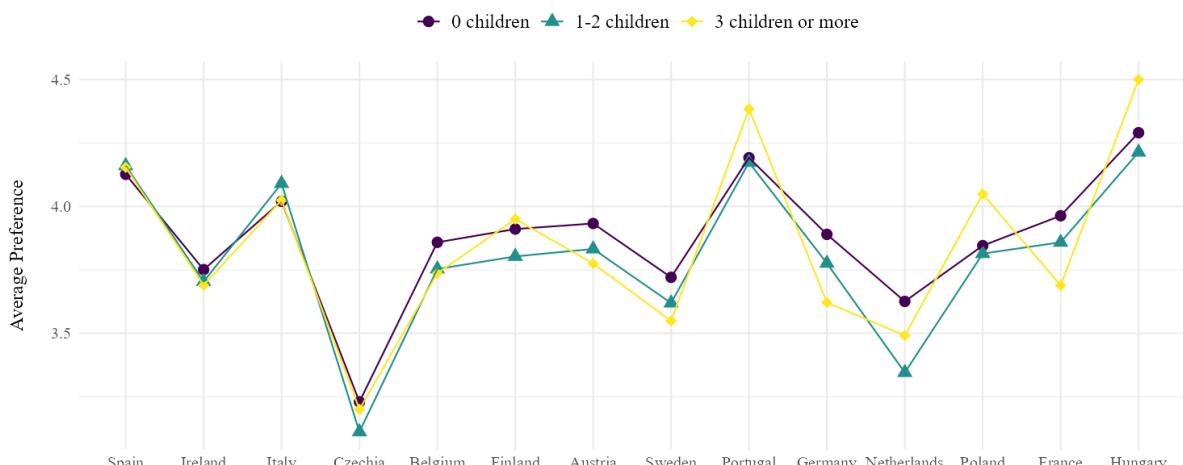
**Figure 7.1: Mean preferences for redistribution for married vs. not married**



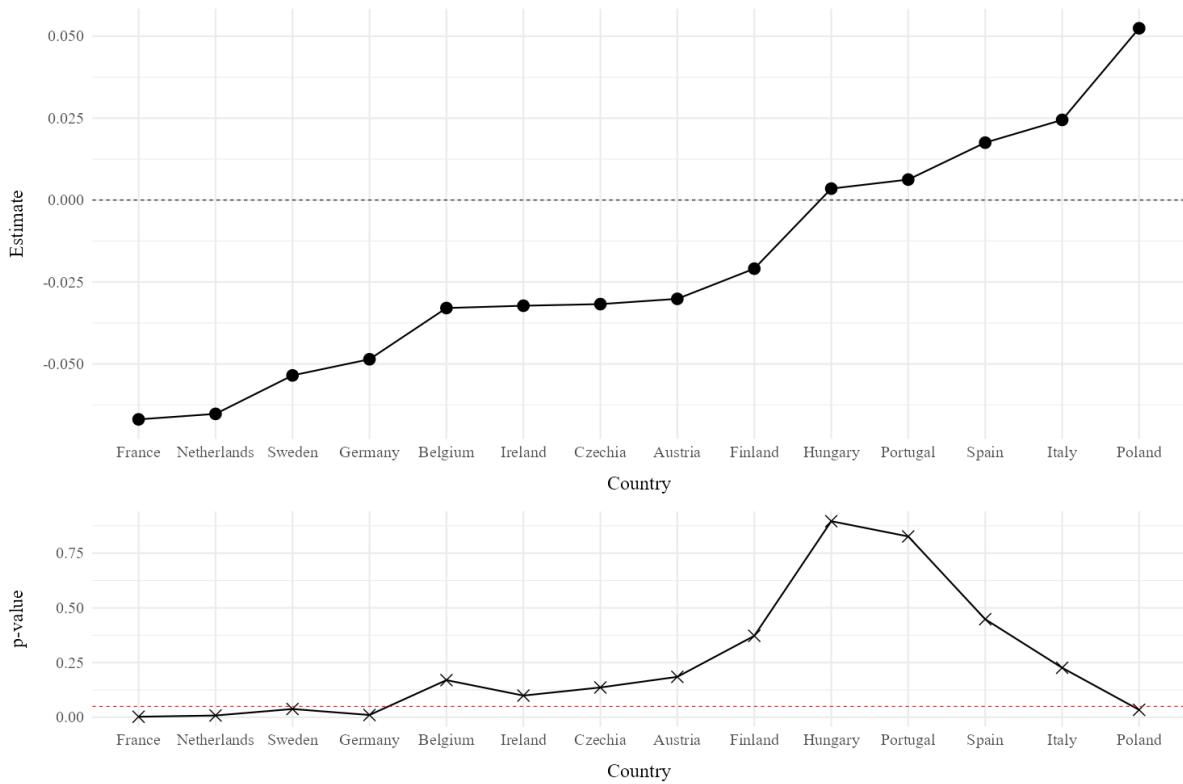
**Figure 7.2: Estimated correlations and p-values between preferences for redistribution and being married (reference=not married)**



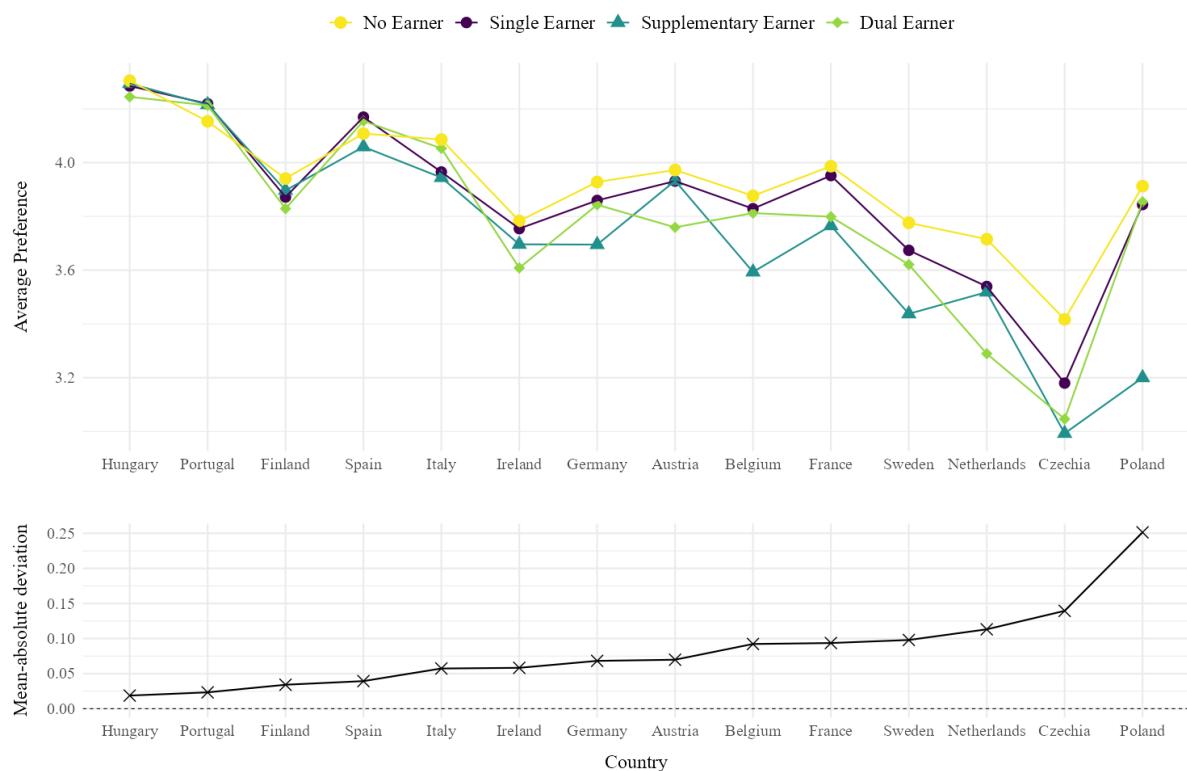
**Figure 8.1: Mean preferences for redistribution for individuals with 0, 1-2 or  $\geq 3$  children**



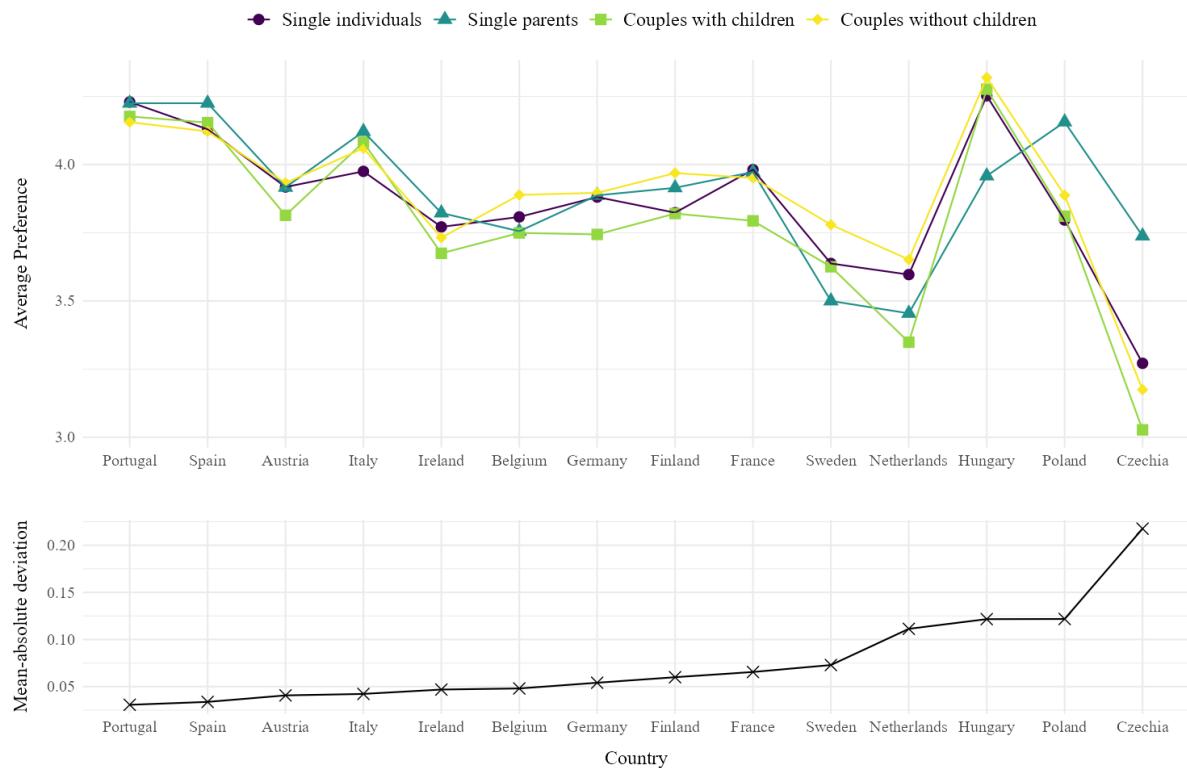
**Figure 8.2: Estimated correlations and p-values between preferences for redistribution and number of children**



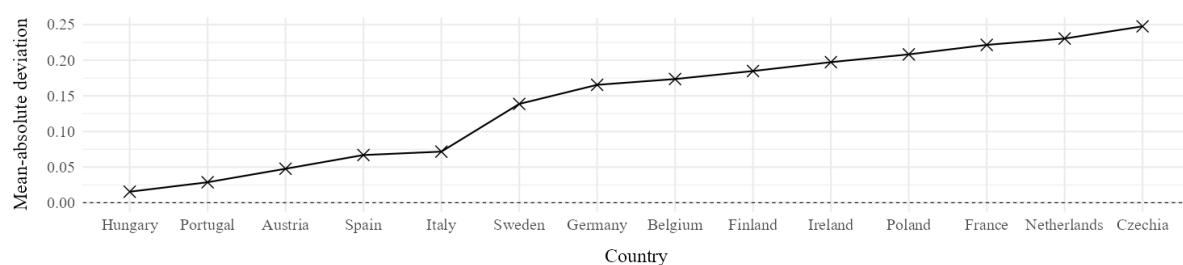
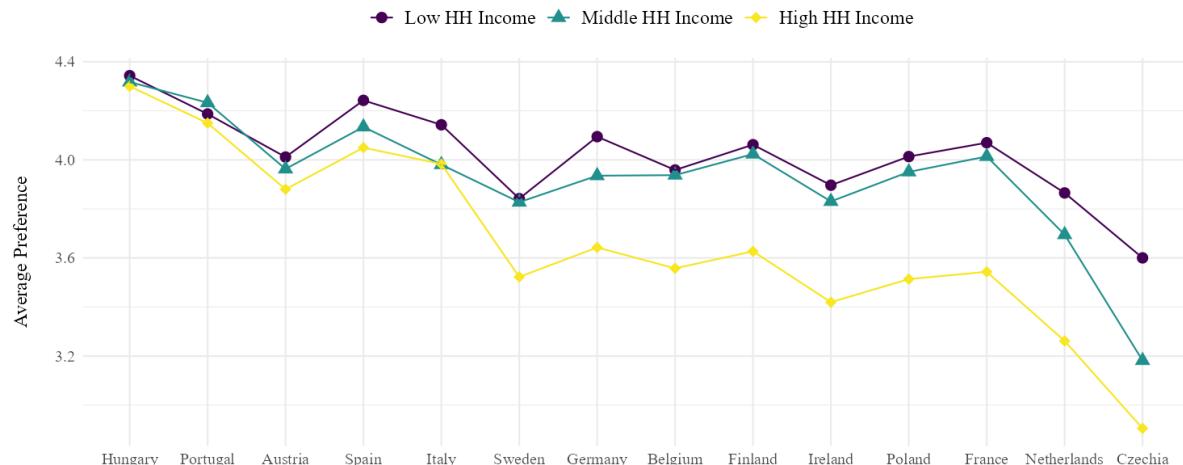
**Figure 9: Mean preferences for redistribution for individuals in no-earner, single-earner, supplementary earner and double-earner households**



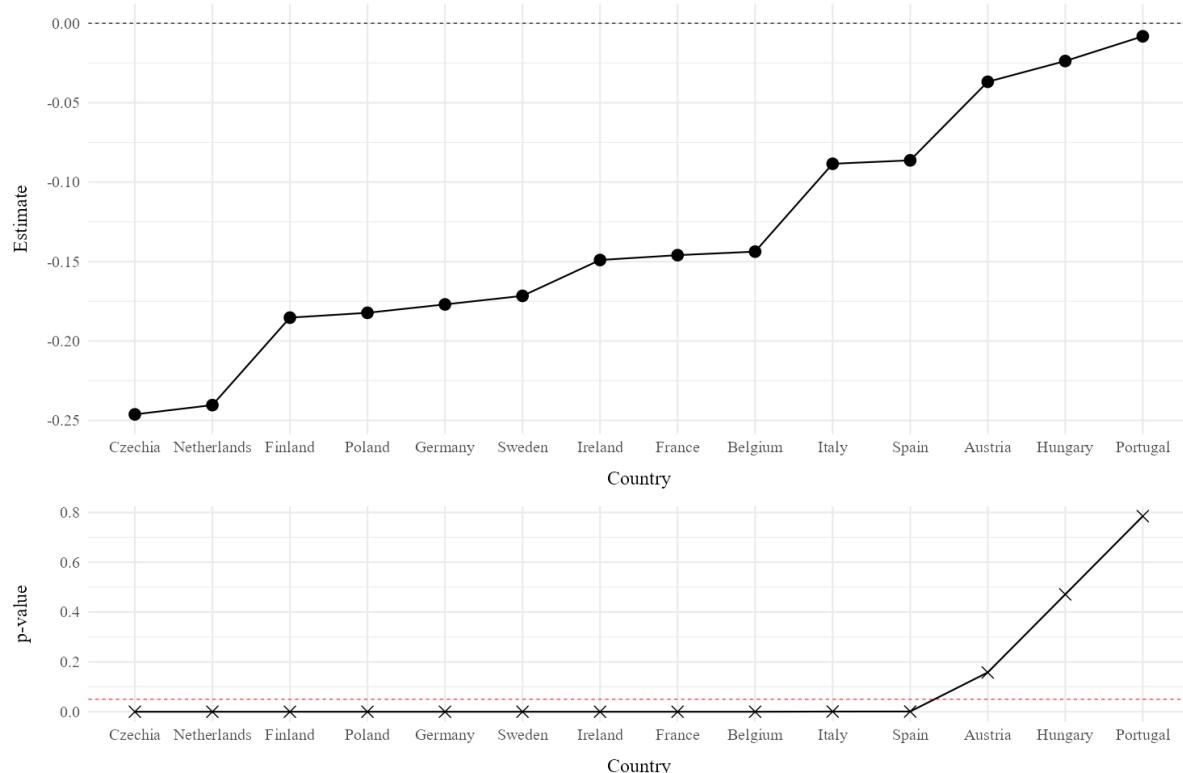
**Figure 10: Mean preferences for redistribution for single individuals, single parents, couples with children and couples without children**



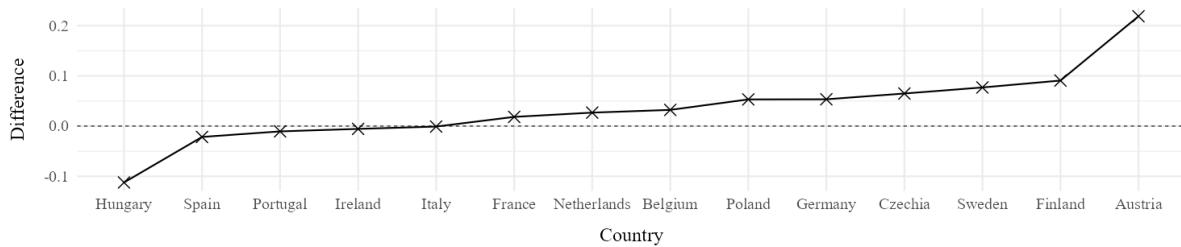
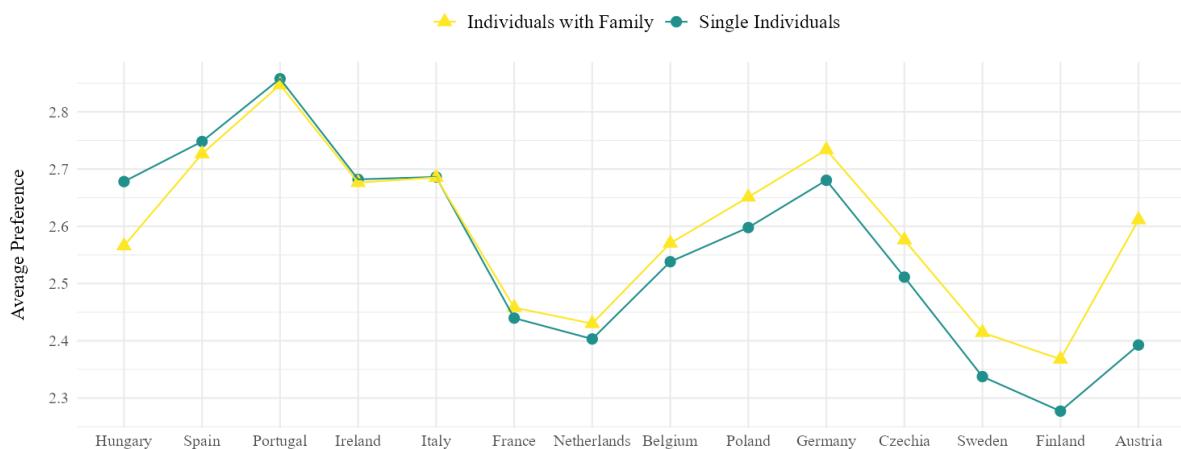
**Figure 11.1: Mean preferences for redistribution in lower, middle or higher-income households**



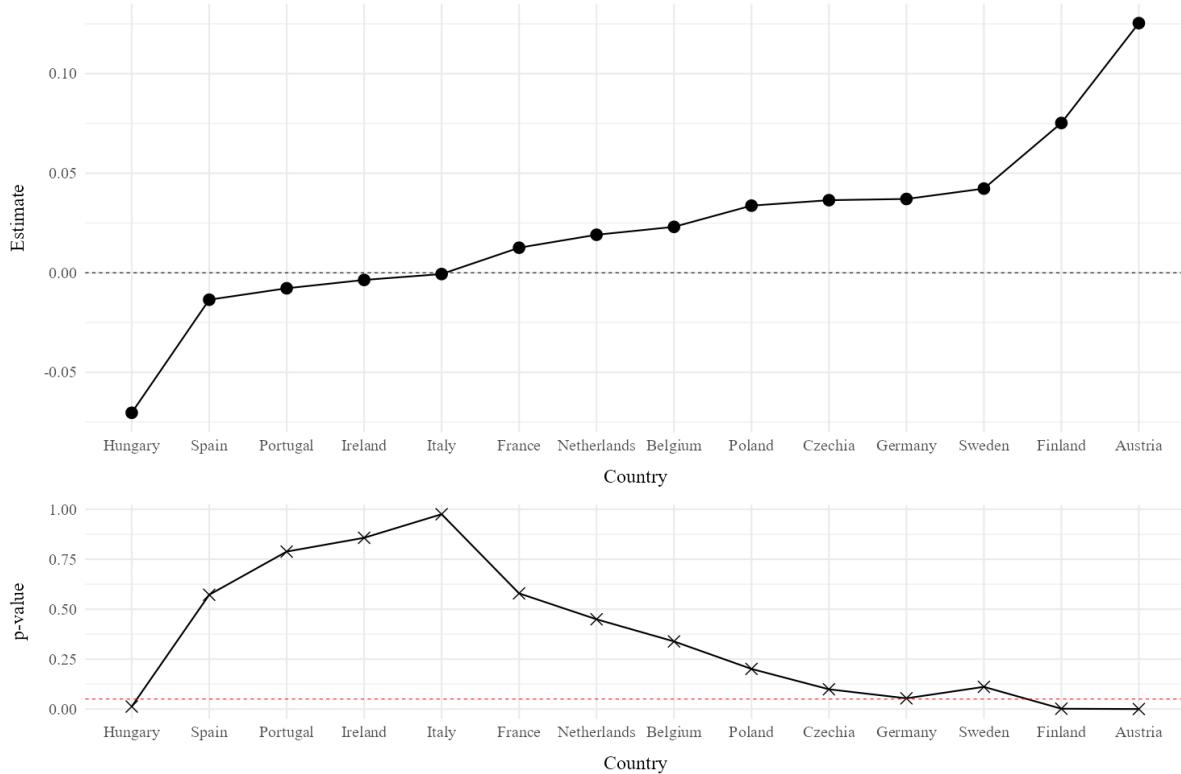
**Figure 11.2: Estimated correlations and p-values between preferences for redistribution and household income decile**



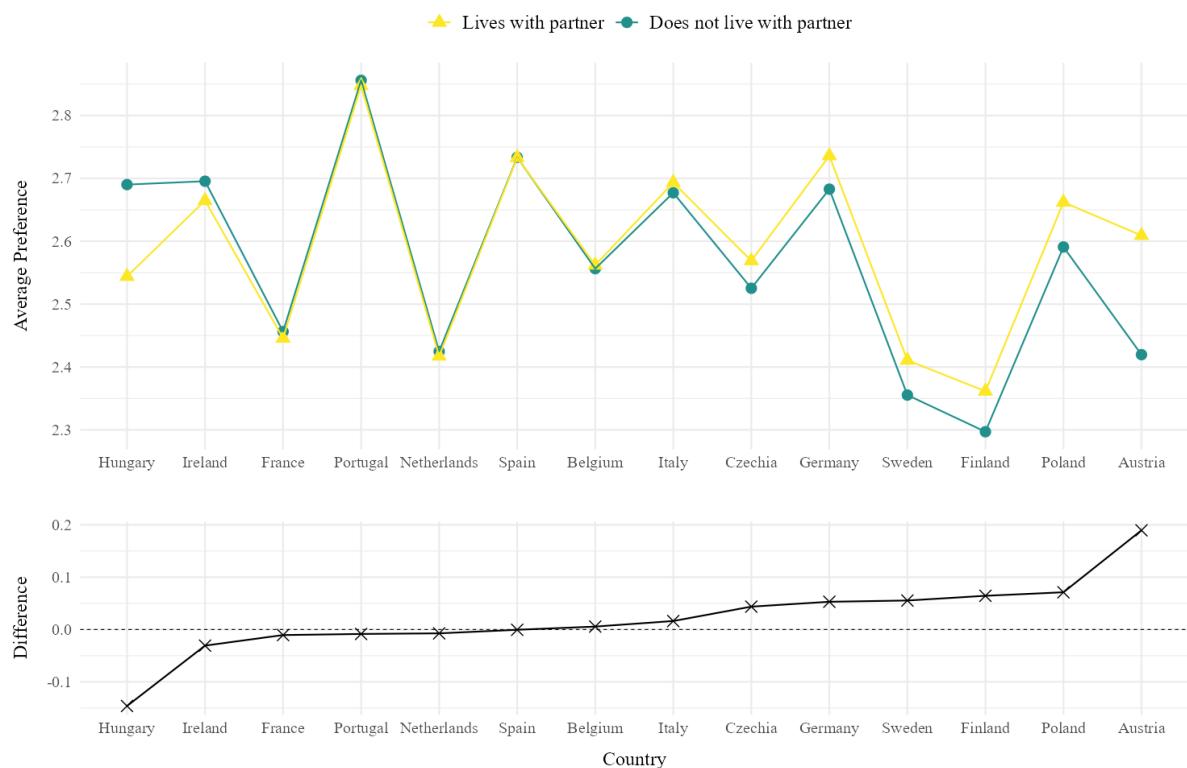
**Figure 12.1: Mean preferences for work-family balance policies for individuals with family vs. single individuals**



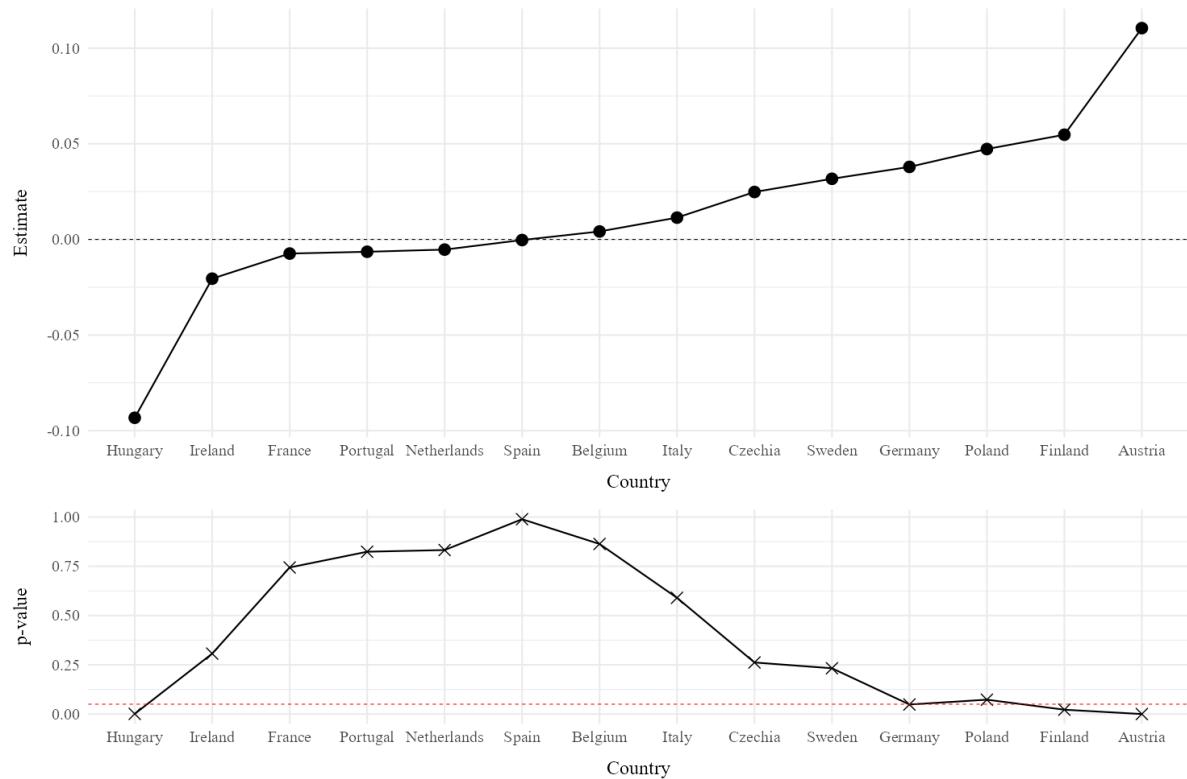
**Figure 12.2: Estimated correlations between preferences for work-family balance policies and individuals with family (reference=single individuals)**



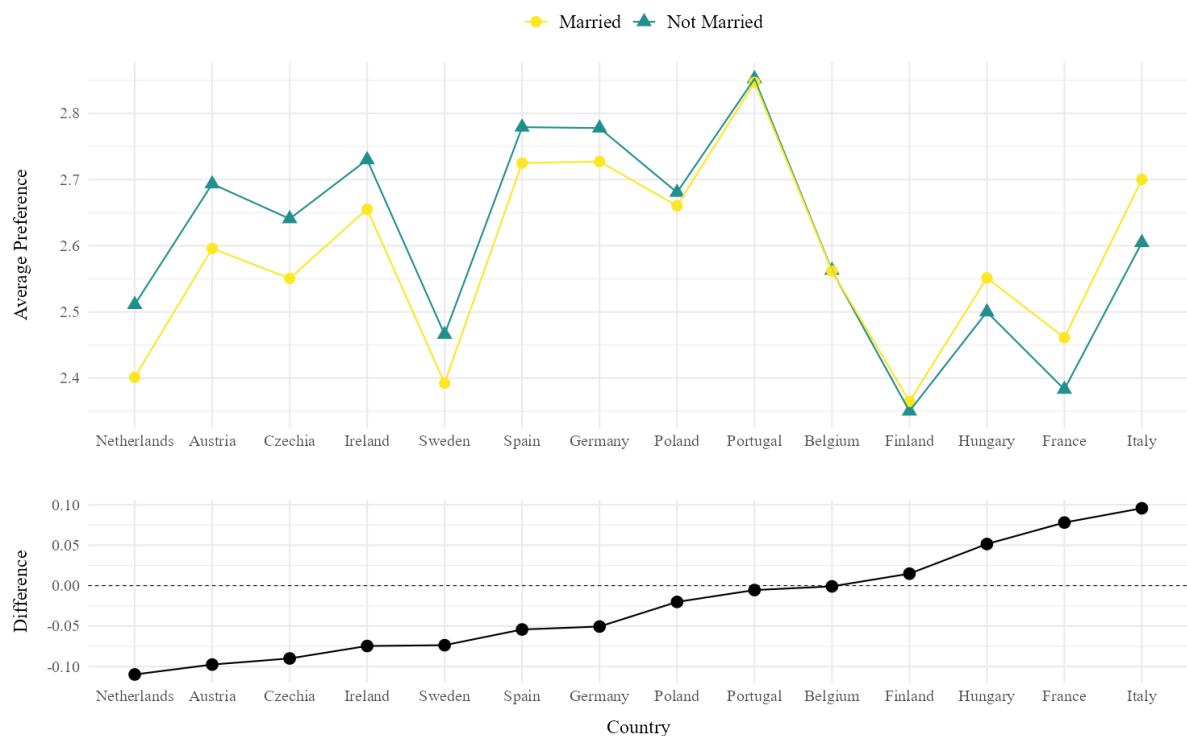
**Figure 13.1: Mean preferences for work-family balance policies for individuals living with partner vs. not living with partner**



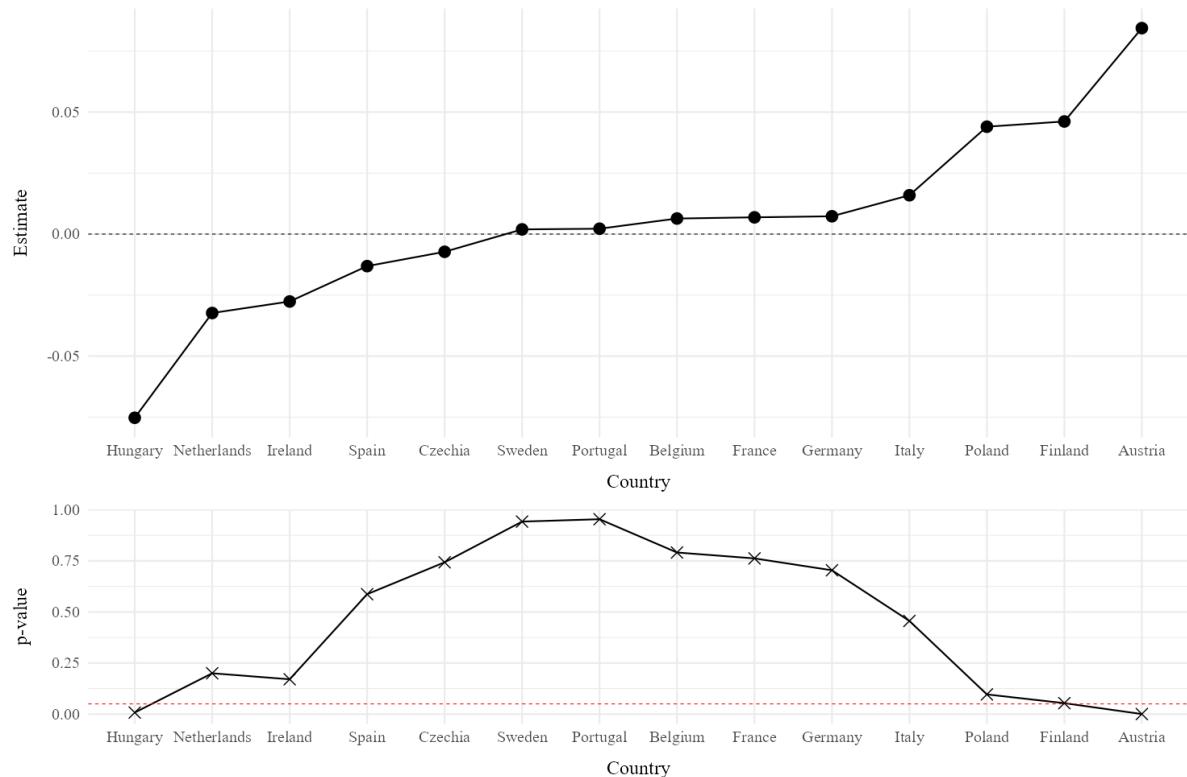
**Figure 13.2: Estimated correlations between preferences for work-family balance policies and individuals living with partner (reference=not living with partner)**



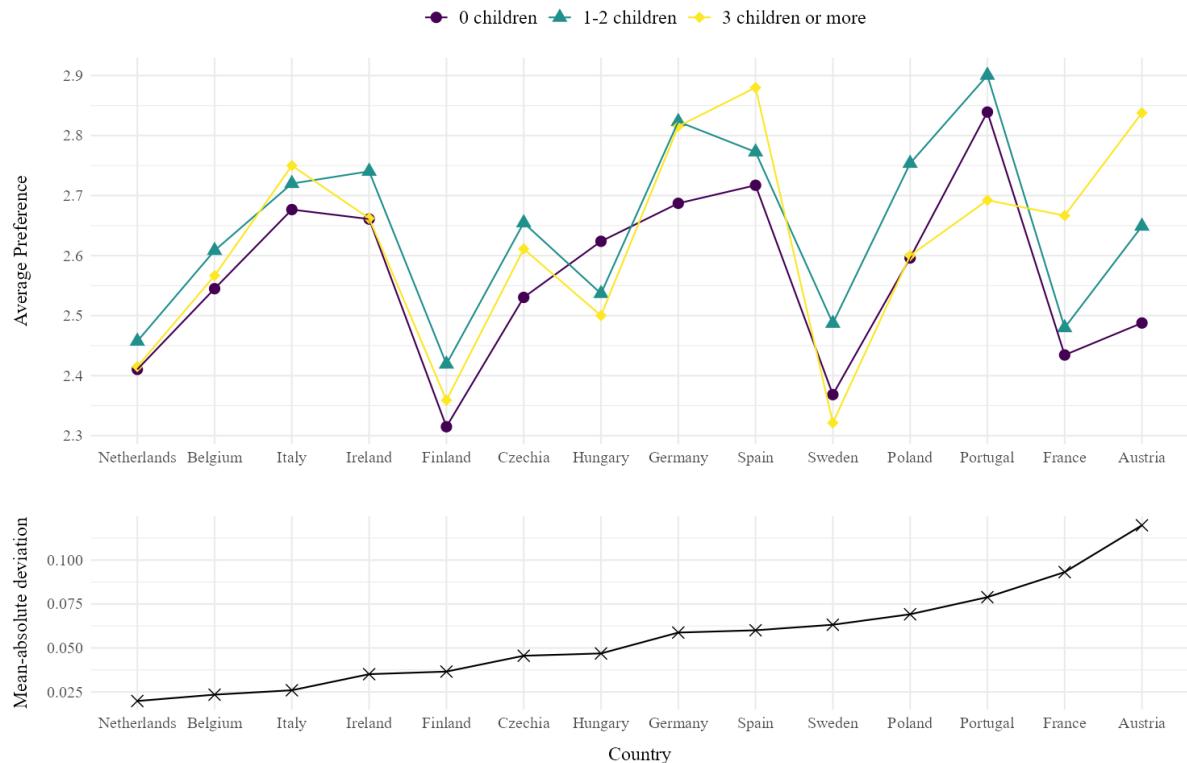
**Figure 14.1: Mean preferences for work-family balance policies and differences for married vs. not married**



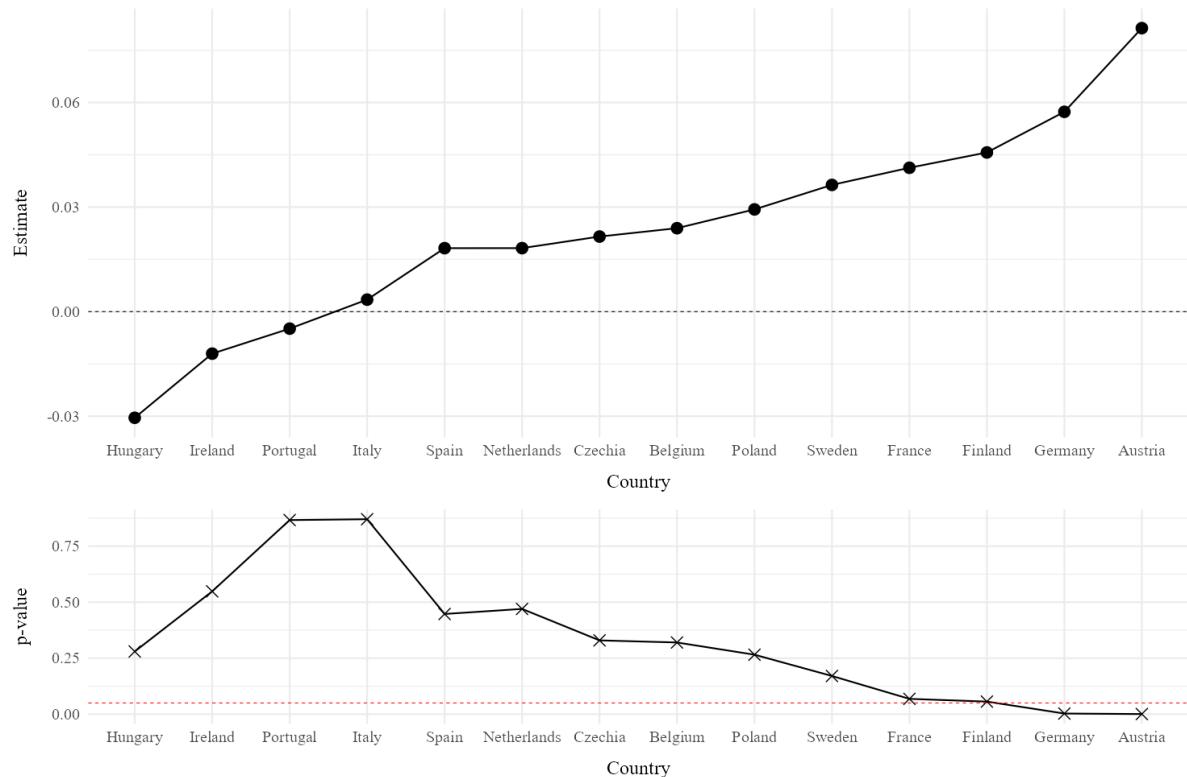
**Figure 14.2: Estimated correlations and p-values between preferences for work-family balance policies and being married (reference=not married)**



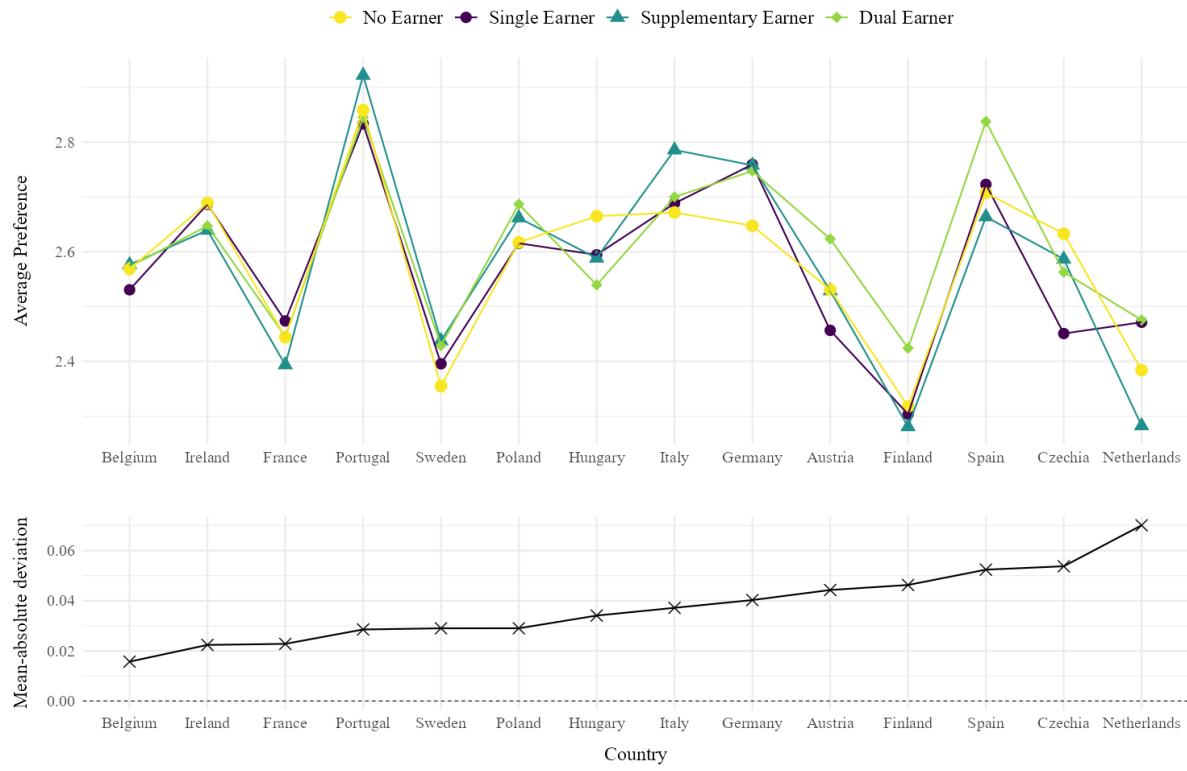
**Figure 15.1: Mean preferences for work-family balance policies and differences for individuals with 0, 1-2 or  $\geq 3$  children**



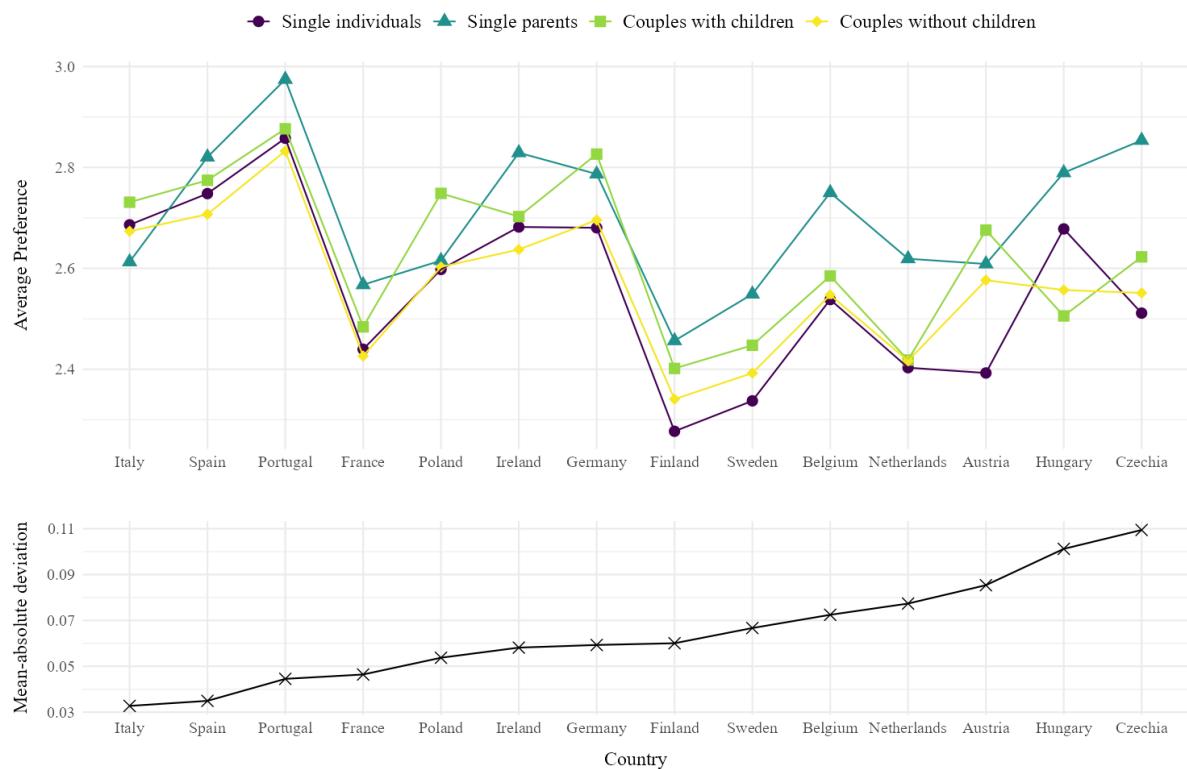
**Figure 15.2: Estimated correlations and p-values between preferences for work-family balance policies and number of children**



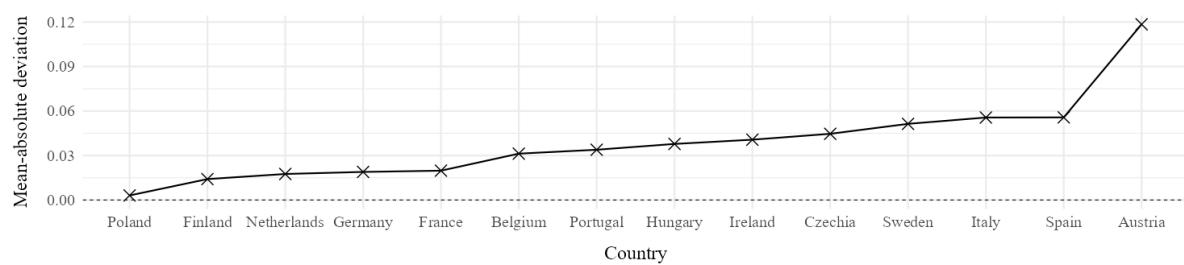
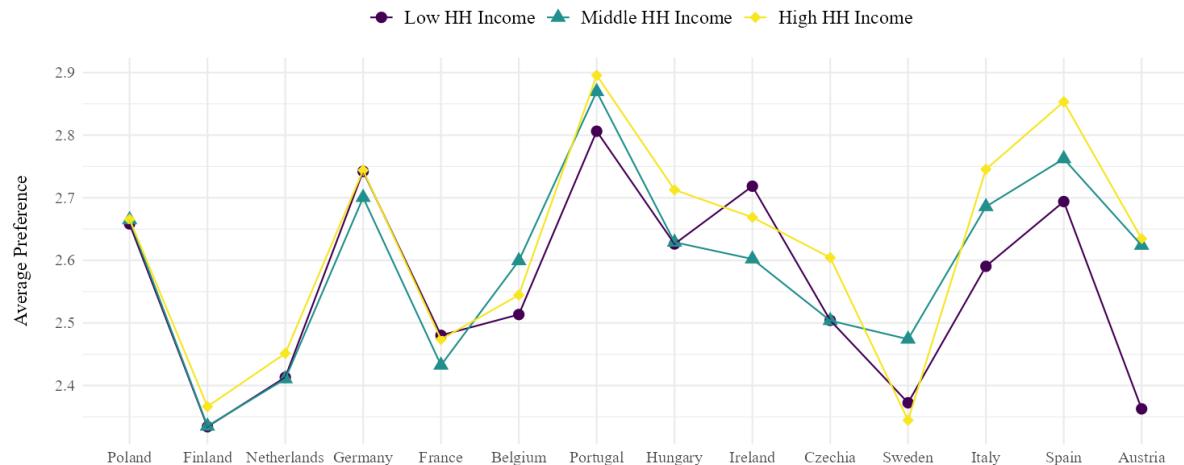
**Figure 16: Mean preferences for work-family balance policies and differences for individuals in no-earner, single-earner, supplementary earner and double-earner households**



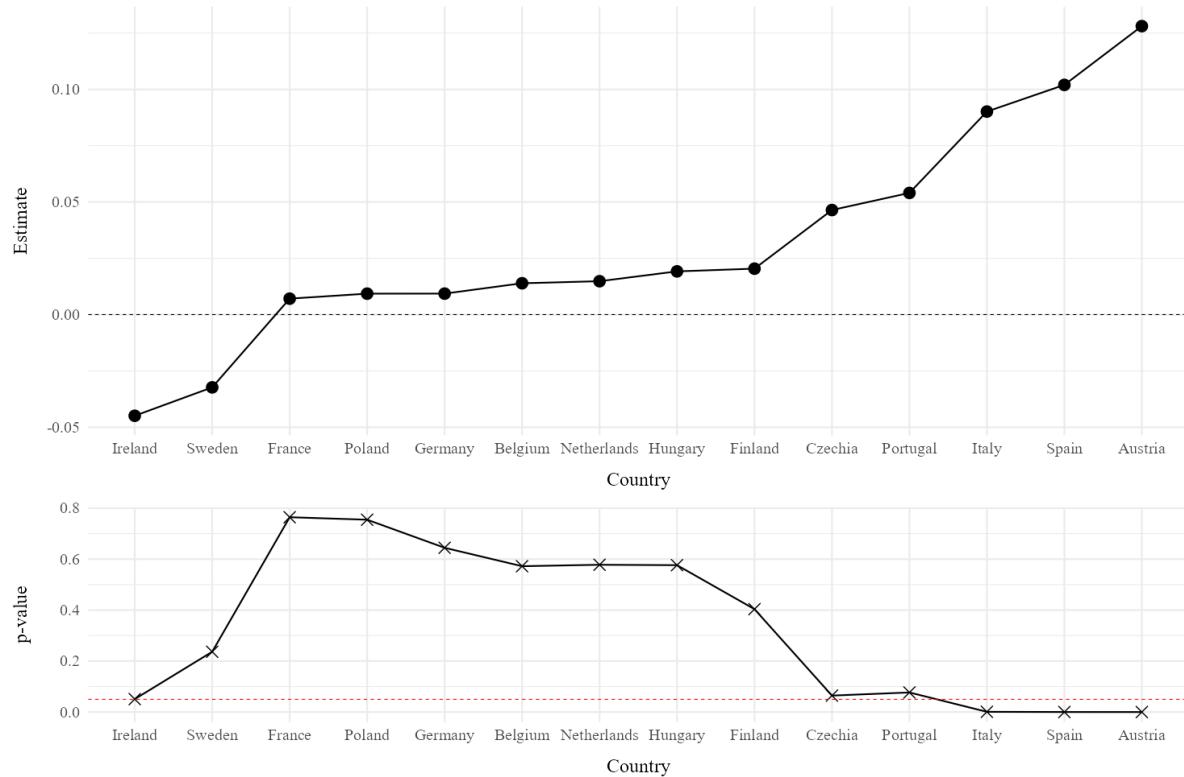
**Figure 17: Mean preferences for work-family balance policies and differences for single individuals, single parents, couples without children and couple parents**



**Figure 18.1: Mean preferences for work-family balance policies in lower, middle or higher-income households**



**Figure 18.2: Estimated correlations and p-values between preferences for work-family balance policies and household income decile**



## 4 Regression Models

### Ordinal models with multiple imputations

**Table 3: Preferences for general welfare redistribution (1)**

|                                     | Model 1             | Model 2             | Model 3             |
|-------------------------------------|---------------------|---------------------|---------------------|
| Has family                          | 0.07 **<br>(0.03)   | 0.07 **<br>(0.03)   | 0.00<br>(0.09)      |
| Household income: middle            | -0.15 ***<br>(0.03) | -0.15 ***<br>(0.03) | -0.15 ***<br>(0.03) |
| Household income: high              | -0.60 ***<br>(0.04) | -0.60 ***<br>(0.04) | -0.60 ***<br>(0.04) |
| Age                                 | -0.00<br>(0.00)     | -0.00<br>(0.00)     | -0.00<br>(0.00)     |
| Gender: Male                        | -0.15 ***<br>(0.02) | -0.15 ***<br>(0.02) | -0.16 ***<br>(0.02) |
| NEET                                | 0.11 ***<br>(0.03)  | 0.11 ***<br>(0.03)  | 0.11 ***<br>(0.03)  |
| In education                        | -0.09 *<br>(0.05)   | -0.09 *<br>(0.05)   | -0.10 *<br>(0.05)   |
| Higher secondary education          | -0.15 ***<br>(0.03) | -0.15 ***<br>(0.03) | -0.14 ***<br>(0.03) |
| Average FRR (country)               |                     | -0.30<br>(0.94)     | -0.48<br>(0.94)     |
| Has family × Average FRR (country)  |                     |                     | 0.25<br>(0.28)      |
| Intercept 1 2                       | -4.13 ***<br>(0.14) | -4.21 ***<br>(0.29) | -4.26 ***<br>(0.30) |
| Intercept 2 3                       | -2.37 ***<br>(0.14) | -2.46 ***<br>(0.29) | -2.50 ***<br>(0.29) |
| Intercept 3 4                       | -1.43 ***<br>(0.14) | -1.51 ***<br>(0.29) | -1.56 ***<br>(0.29) |
| Intercept 4 5                       | 0.63 ***<br>(0.14)  | 0.55 +<br>(0.29)    | 0.50 +<br>(0.29)    |
| AIC                                 | 68717.57            | 68719.47            | 68718.99            |
| Num. obs.                           | 27194               | 27194               | 27194               |
| Groups (country)                    | 14                  | 14                  | 14                  |
| Mean Variance: country: (Intercept) | 0.23                | 0.23                | 0.23                |
| Mean Variance: country: Has family  |                     |                     | 0.01                |

**Table 4: Preferences for general welfare redistribution (2)**

|                                     | <b>Model 1</b> | <b>Model 2</b> | <b>Model 3</b> |
|-------------------------------------|----------------|----------------|----------------|
| Individual FRR                      | -0.18*         | -0.31***       | -0.21*         |
|                                     | (0.07)         | (0.08)         | (0.10)         |
| Household income: middle            | -0.15***       | -0.21***       | -0.21***       |
|                                     | (0.07)         | (0.03)         | (0.03)         |
| Household income: high              | -0.62***       | -0.71***       | -0.69***       |
|                                     | (0.04)         | (0.04)         | (0.04)         |
| Age                                 | 0.0002         | -0.0003        | 0.0001         |
|                                     | (0.001)        | (0.001)        | (0.001)        |
| Gender: Male                        | -0.17***       | -0.16***       | -0.17***       |
|                                     | (0.02)         | (0.02)         | (0.02)         |
| NEET                                | 0.09**         | 0.10**         | 0.08**         |
|                                     | (0.03)         | (0.03)         | (0.03)         |
| In education                        | -0.25***       | -0.21***       | -0.22***       |
|                                     | (0.05)         | (0.05)         | (0.05)         |
| Higher secondary education          | -0.14***       | -0.13***       | -0.13***       |
|                                     | (0.03)         | (0.03)         | (0.03)         |
| Has family                          |                | 0.16***        |                |
|                                     |                | (0.03)         |                |
| Cohabiting                          |                |                | 0.22***        |
|                                     |                |                | (0.05)         |
| Married                             |                |                | 0.11***        |
|                                     |                |                | (0.03)         |
| 1-2 children                        |                |                | -0.03          |
|                                     |                |                | (0.04)         |
| 3 children or more                  |                |                | 0.01           |
|                                     |                |                | (0.09)         |
| Intercept 1 2                       | -4.25***       | -4.23***       | -4.23***       |
|                                     | (0.14)         | (0.14)         | (0.14)         |
| Intercept 2 3                       | -2.48***       | -2.45***       | -2.45***       |
|                                     | (0.14)         | (0.14)         | (0.14)         |
| Intercept 3 4                       | -1.48***       | -1.45***       | -1.46***       |
|                                     | (0.14)         | (0.14)         | (0.14)         |
| Intercept 4 5                       | 0.63***        | 0.67***        | 0.66***        |
|                                     | (0.14)         | (0.14)         | (0.14)         |
| Mean AIC                            | 60798.94       | 60750.7        | 60768.41       |
| Num. obs.                           | 27194          | 27194          | 27194          |
| Groups (country)                    | 14             | 14             | 14             |
| Mean Variance: country: (Intercept) | 0.22           | 0.22           | 0.22           |

**Table 5: Preferences for work-family balance policies (1)**

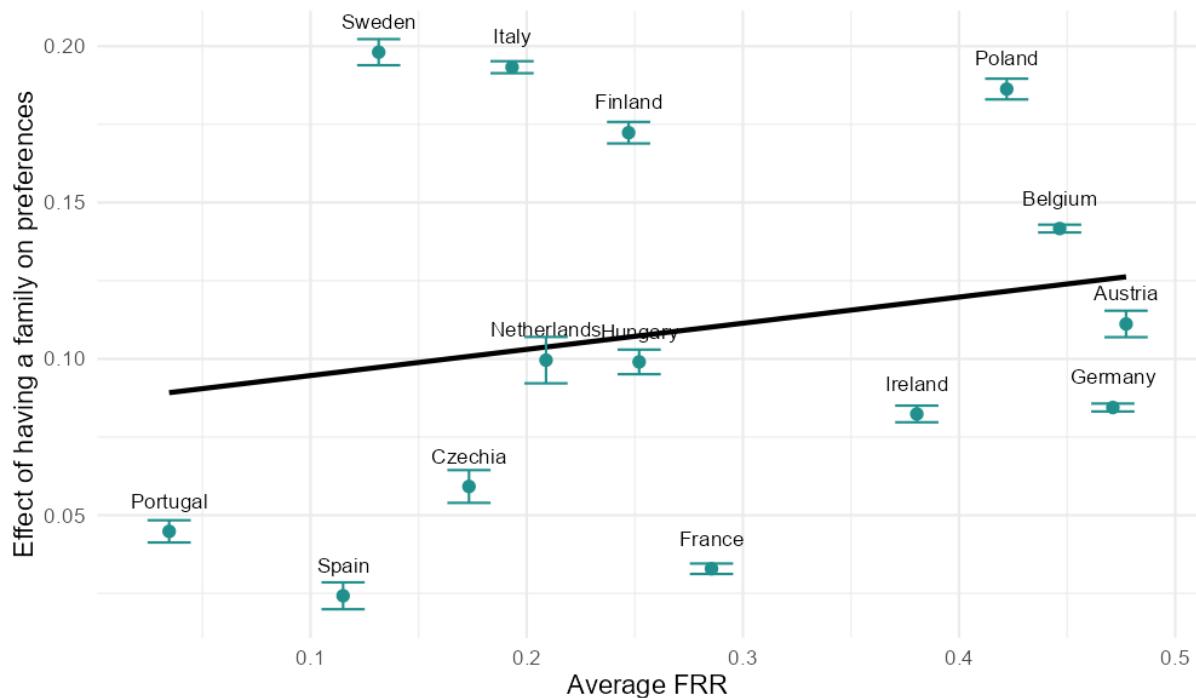
|                                       | Model 1             | Model 2             | Model 3             | Model 4             | Model 5             | Model 6             |
|---------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Working parents                       | 0.15 ***<br>(0.03)  | 0.15 ***<br>(0.03)  | -0.05<br>(0.07)     |                     |                     |                     |
| Youngest child <3                     |                     |                     |                     | 0.42 ***<br>(0.06)  | 0.42 ***<br>(0.06)  | -0.05<br>(0.21)     |
| Youngest child 3-5                    |                     |                     |                     | 0.22 ***<br>(0.06)  | 0.22 ***<br>(0.06)  | 0.36 +<br>(0.19)    |
| Youngest child 6-11                   |                     |                     |                     | 0.03<br>(0.05)      | 0.03<br>(0.05)      | 0.06<br>(0.12)      |
| Youngest child 12-17                  |                     |                     |                     | 0.06<br>(0.05)      | 0.06<br>(0.05)      | -0.45 **<br>(0.16)  |
| Household income: middle              | 0.07 *<br>(0.03)    | 0.07 *<br>(0.03)    | 0.07 *<br>(0.03)    | 0.08 *<br>(0.03)    | 0.08 *<br>(0.03)    | 0.07 *<br>(0.03)    |
| Household income: high                | 0.11 **<br>(0.04)   | 0.11 **<br>(0.04)   | 0.11 **<br>(0.04)   | 0.12 **<br>(0.04)   | 0.12 **<br>(0.04)   | 0.11 **<br>(0.04)   |
| Age                                   | -0.00 ***<br>(0.00) | -0.00 ***<br>(0.00) | -0.00 ***<br>(0.00) | -0.00 *<br>(0.00)   | -0.00 *<br>(0.00)   | -0.00 *<br>(0.00)   |
| Gender: Male                          | 0.01<br>(0.02)      | 0.01<br>(0.02)      | 0.01<br>(0.02)      | 0.01<br>(0.02)      | 0.01<br>(0.02)      | 0.01<br>(0.02)      |
| NEET                                  | 0.07 *<br>(0.03)    | 0.07 *<br>(0.03)    | 0.06 *<br>(0.03)    | 0.03<br>(0.03)      | 0.04<br>(0.03)      | 0.03<br>(0.03)      |
| In education                          | 0.25 ***<br>(0.05)  | 0.25 ***<br>(0.05)  | 0.25 ***<br>(0.05)  | 0.26 ***<br>(0.05)  | 0.26 ***<br>(0.05)  | 0.26 ***<br>(0.05)  |
| Higher secondary education            | 0.08 **<br>(0.03)   | 0.09 **<br>(0.03)   | 0.09 **<br>(0.03)   | 0.08 **<br>(0.03)   | 0.08 **<br>(0.03)   | 0.08 **<br>(0.03)   |
| Average FRR work parents<br>(country) |                     | -0.30<br>(0.58)     | -0.42<br>(0.58)     |                     | -0.30<br>(0.58)     | -0.35<br>(0.53)     |
| Working parents × Average FRR         |                     |                     | 0.52 **<br>(0.17)   |                     |                     |                     |
| Child <3 × Average FRR                |                     |                     |                     |                     |                     | 1.03 *<br>(0.51)    |
| Child 3-5 × Average FRR               |                     |                     |                     |                     |                     | -0.50<br>(0.46)     |
| Child 6-11 × Average FRR              |                     |                     |                     |                     |                     | -0.09<br>(0.28)     |
| Child 12-17 × Average FRR             |                     |                     |                     |                     |                     | 1.22 **<br>(0.40)   |
| Intercept 1 2                         | -2.65 ***<br>(0.12) | -2.76 ***<br>(0.23) | -2.80 ***<br>(0.24) | -2.61 ***<br>(0.12) | -2.71 ***<br>(0.24) | -2.75 ***<br>(0.22) |
| Intercept 2 3                         | -0.24 *<br>(0.11)   | -0.34<br>(0.23)     | -0.38<br>(0.23)     | -0.19<br>(0.12)     | -0.29<br>(0.23)     | -0.33<br>(0.22)     |
| Intercept 3 4                         | 2.56 ***<br>(0.12)  | 2.46 ***<br>(0.23)  | 2.41 ***<br>(0.23)  | 2.61 ***<br>(0.12)  | 2.51 ***<br>(0.24)  | 2.48 ***<br>(0.22)  |
| AIC                                   | 58618.39            | 58620.12            | 58612.71            | 58581.56            | 58583.29            | 58565.98            |
| Num. obs.                             | 27194               | 27194               | 27194               | 27194               | 27194               | 27194               |
| Groups (cntry)                        | 14                  | 14                  | 14                  | 14                  | 14                  | 14                  |
| Variance: cntry: (Intercept)          | 0.14                | 0.13                | 0.13                | 0.14                | 0.14                | 0.11                |
| Variance: cntry: working parents      |                     |                     | 0.01                |                     |                     |                     |
| Variance: cntry: child <3             |                     |                     |                     |                     |                     | 0.05                |
| Variance: cntry: child 3-5            |                     |                     |                     |                     |                     | 0.03                |
| Variance: cntry: child 6-11           |                     |                     |                     |                     |                     | 0.00                |
| Variance: cntry: child 12-17          |                     |                     |                     |                     |                     | 0.03                |

**Table 6: Preferences for work-family balance policies (2)**

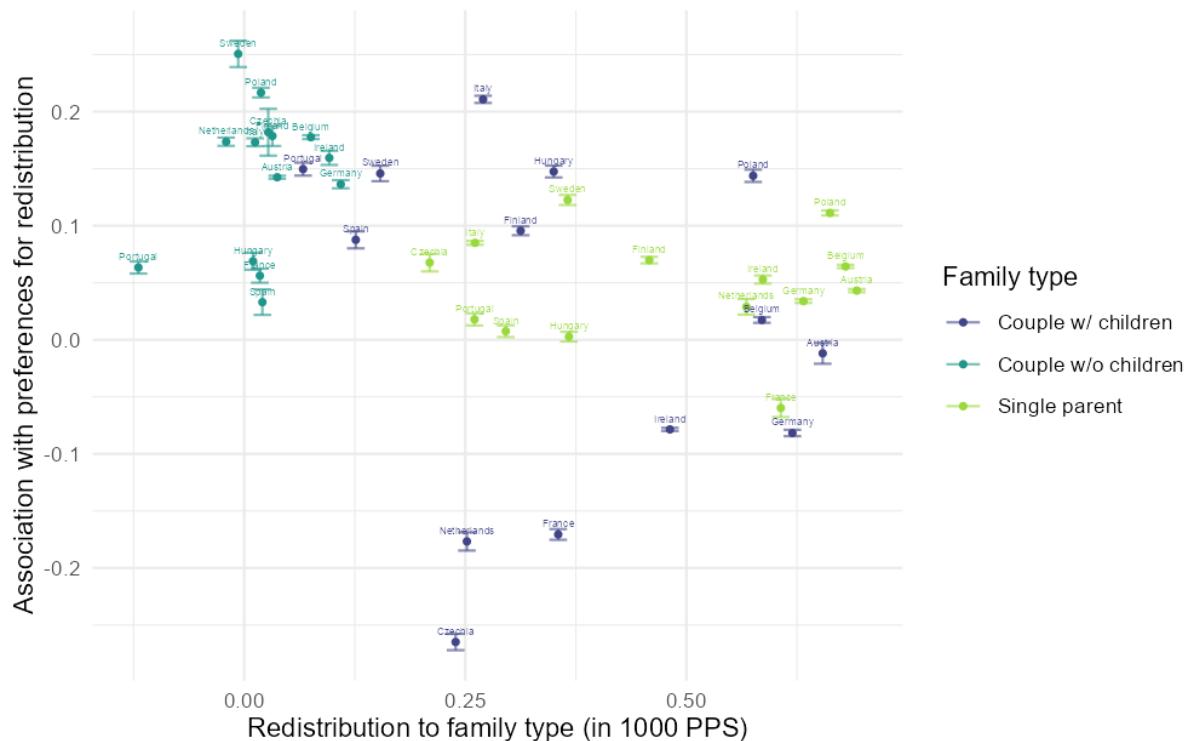
|  | <b>Model 1</b>     | <b>Model 2</b>     | <b>Model 3</b>     | <b>Model 4</b>     |
|--|--------------------|--------------------|--------------------|--------------------|
| Individual FRR                         | 0.41***<br>(0.07)  | 0.25**<br>(0.11)   | 0.21*<br>(0.10)    | 0.19*<br>(0.10)    |
| Household income: middle               | 0.06+<br>(0.03)    | 0.06<br>(0.04)     | 0.06+<br>(0.03)    | 0.06<br>(0.04)     |
| Household income: high                 | 0.10**<br>(0.04)   | 0.08+<br>(0.04)    | 0.09*<br>(0.04)    | 0.10+<br>(0.05)    |
| Age                                    | -0.002+<br>(0.001) | -0.001<br>(0.001)  | -0.001<br>(0.001)  | -0.001<br>(0.001)  |
| Gender: Male                           | -0.03<br>(0.02)    | -0.03<br>(0.02)    | -0.03<br>(0.02)    | -0.03<br>(0.03)    |
| NEET                                   | 0.04<br>(0.03)     | 0.06+<br>(0.03)    | 0.06+<br>(0.03)    | 0.04<br>(0.03)     |
| In education                           | 0.16**<br>(0.05)   | 0.21***<br>(0.06)  | 0.22***<br>(0.06)  | 0.23***<br>(0.06)  |
| Higher secondary education             | 0.07*<br>(0.03)    | 0.07*<br>(0.03)    | 0.07*<br>(0.03)    | 0.07*<br>(0.03)    |
| Working parents                        |                    | 0.09**<br>(0.04)   |                    |                    |
| Cohabiting                             |                    |                    | 0.06<br>(0.05)     | 0.04<br>(0.05)     |
| Married                                |                    |                    | 0.01<br>(0.03)     | 0.001<br>(0.03)    |
| 1-2 children                           |                    |                    | 0.14**<br>(0.04)   |                    |
| 3 children or more                     |                    |                    | 0.03<br>(0.09)     |                    |
| Youngest child <3                      |                    |                    |                    | 0.31***<br>(0.07)  |
| Youngest child 3-5                     |                    |                    |                    | 0.18**<br>(0.07)   |
| Youngest child 6-11                    |                    |                    |                    | 0.09<br>(0.06)     |
| Youngest child 12-17                   |                    |                    |                    | 0.02<br>(0.06)     |
| Intercept 1 2                          | -2.54***<br>(0.12) | -2.49***<br>(0.12) | -2.47***<br>(0.12) | -2.45***<br>(0.12) |
| Intercept 2 3                          | -0.21+<br>(0.12)   | -0.16<br>(0.12)    | -0.14<br>(0.12)    | -0.12<br>(0.12)    |
| Intercept 3 4                          | 2.51***<br>(0.12)  | 2.56***<br>(0.12)  | 2.58***<br>(0.12)  | 2.60***<br>(0.12)  |
| Mean AIC                               | 52614.76           | 52625.51           | 52622.54           | 52610.2            |
| Num. obs.                              | 27194              | 27194              | 27194              | 27194              |
| Groups (country)                       | 14                 | 14                 | 14                 | 14                 |
| Mean Variance: country:<br>(Intercept) | 0.14               | 0.14               | 0.14               | 0.14               |

## Country random slopes in ordinal logistic models with multiple imputations

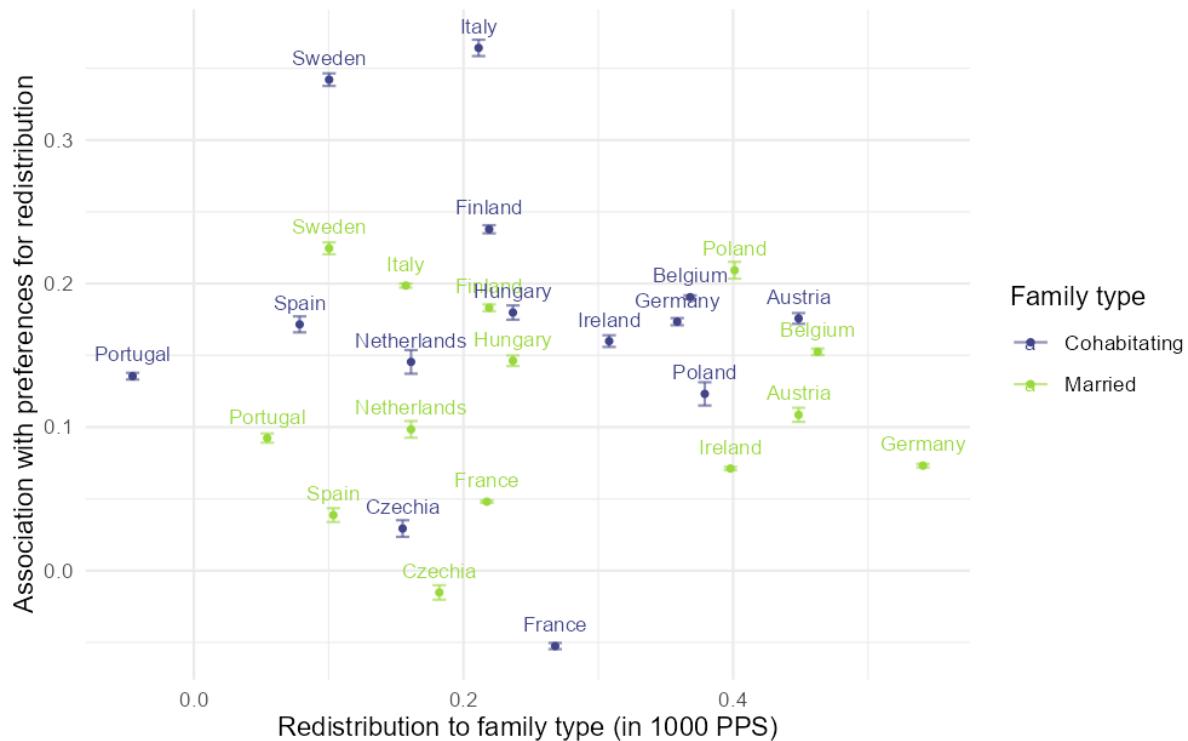
**Figure 19.1: Country total effects of having a family on preferences for redistribution, in relation to country average family-related redistribution**



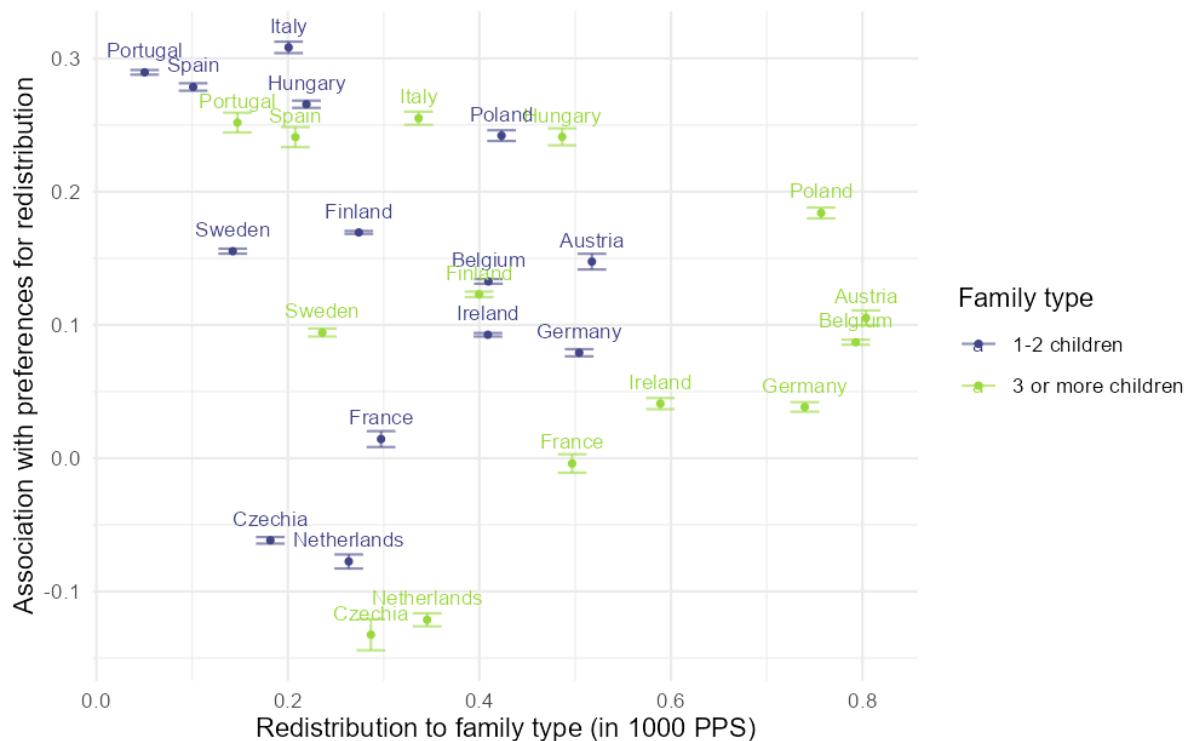
**Figure 19.2: Country total effects of family types on preferences for redistribution, in relation to country average family-related redistribution for each family type**



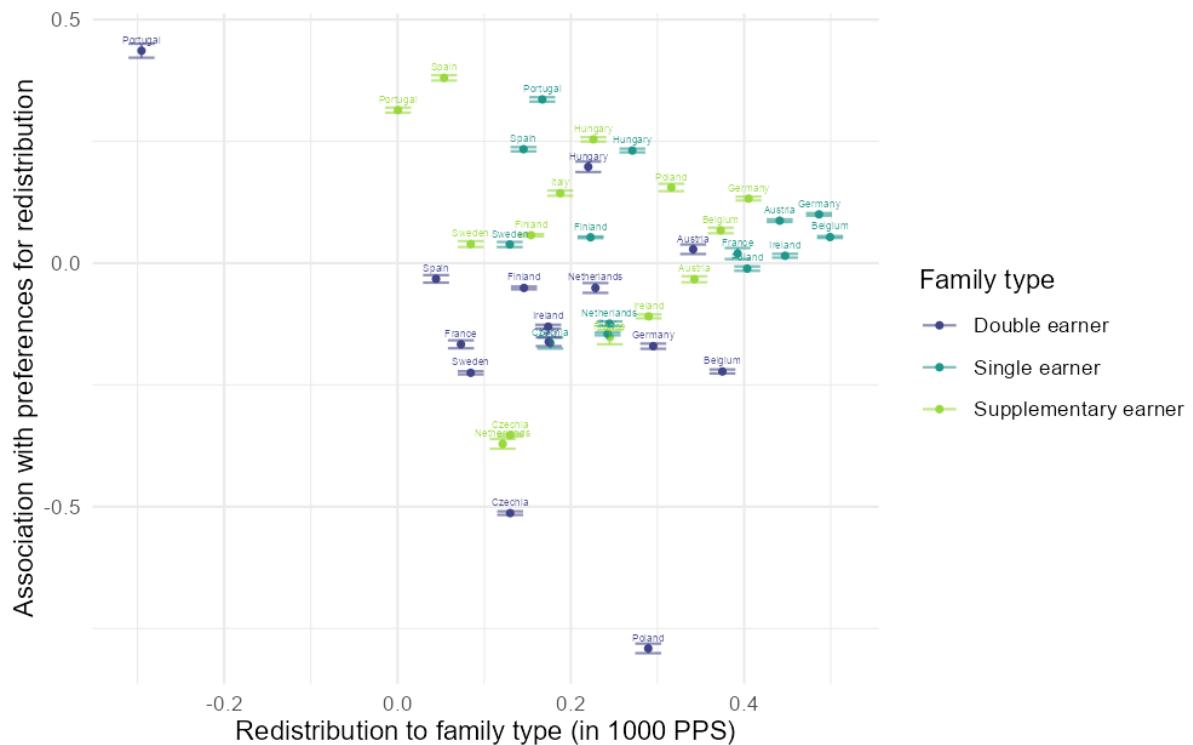
**Figure 19.3: Country total effects of family types on preferences for redistribution, in relation to country average family-related redistribution for each family type**



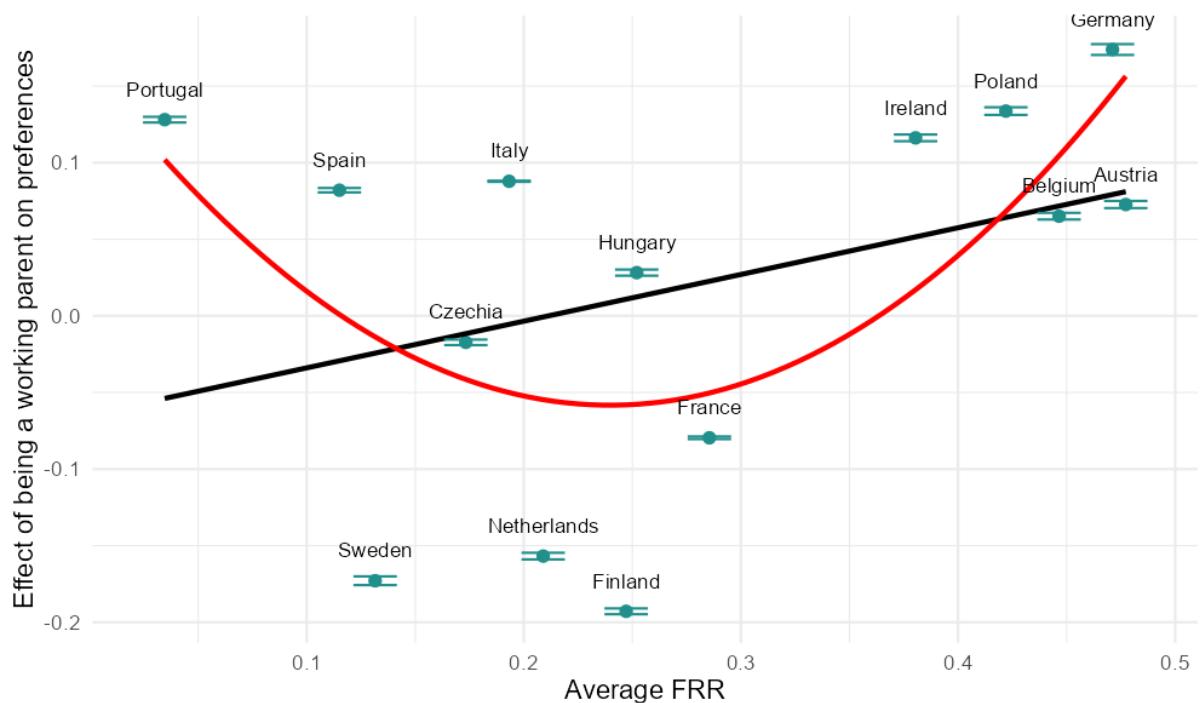
**Figure 19.4: Country total effects of family types on preferences for redistribution, in relation to country average family-related redistribution for each family type**



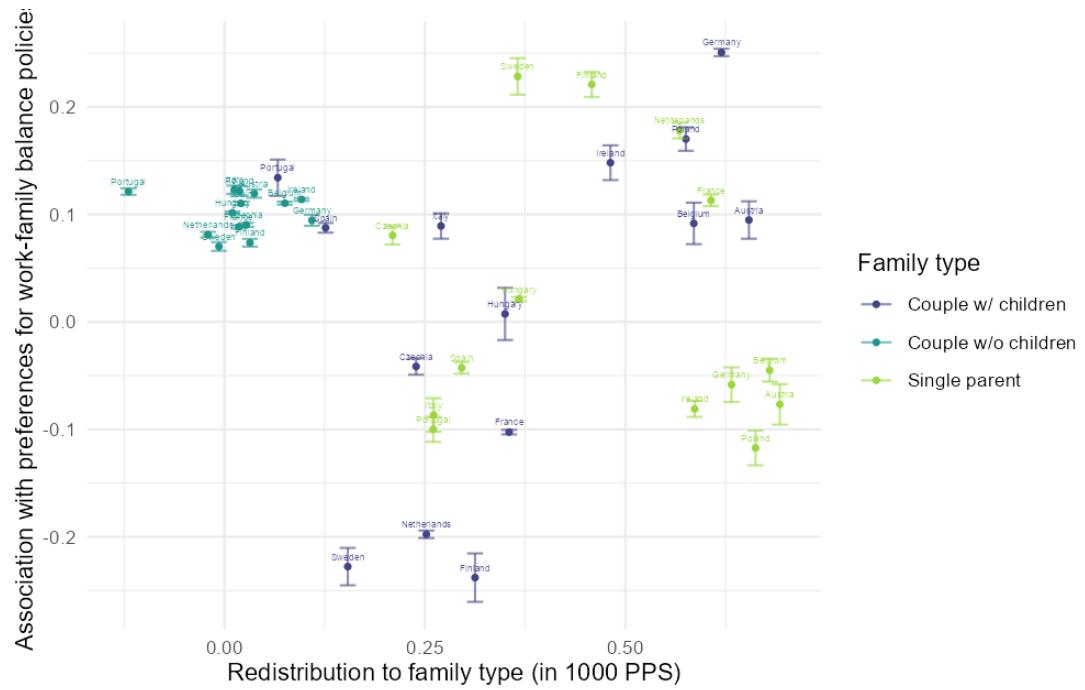
**Figure 19.5: Country total effects of family types on preferences for redistribution, in relation to country average family-related redistribution for each family type**



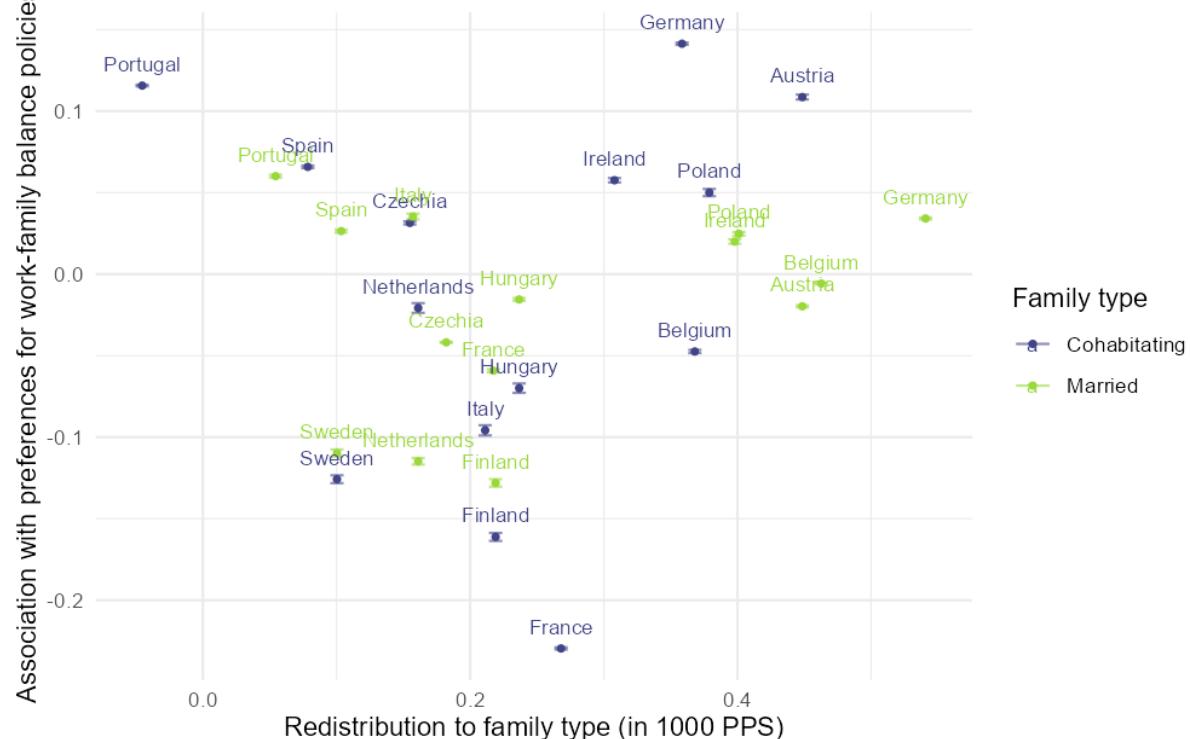
**Figure 20.1: Country total effects of working parents on preferences for work-family balance policy, in relation to country average family-related redistribution**



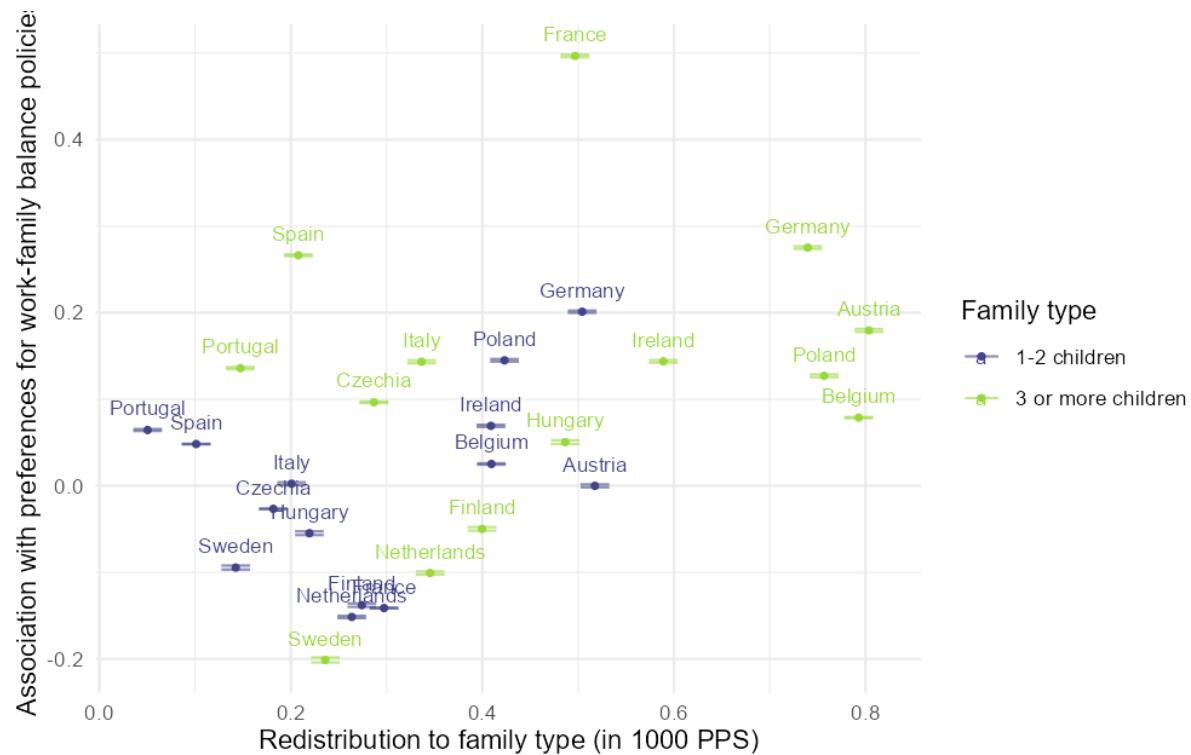
**Figure 20.2: Country total effects of family characteristics on preferences for work-family balance policy, in relation to country average family-related redistribution**



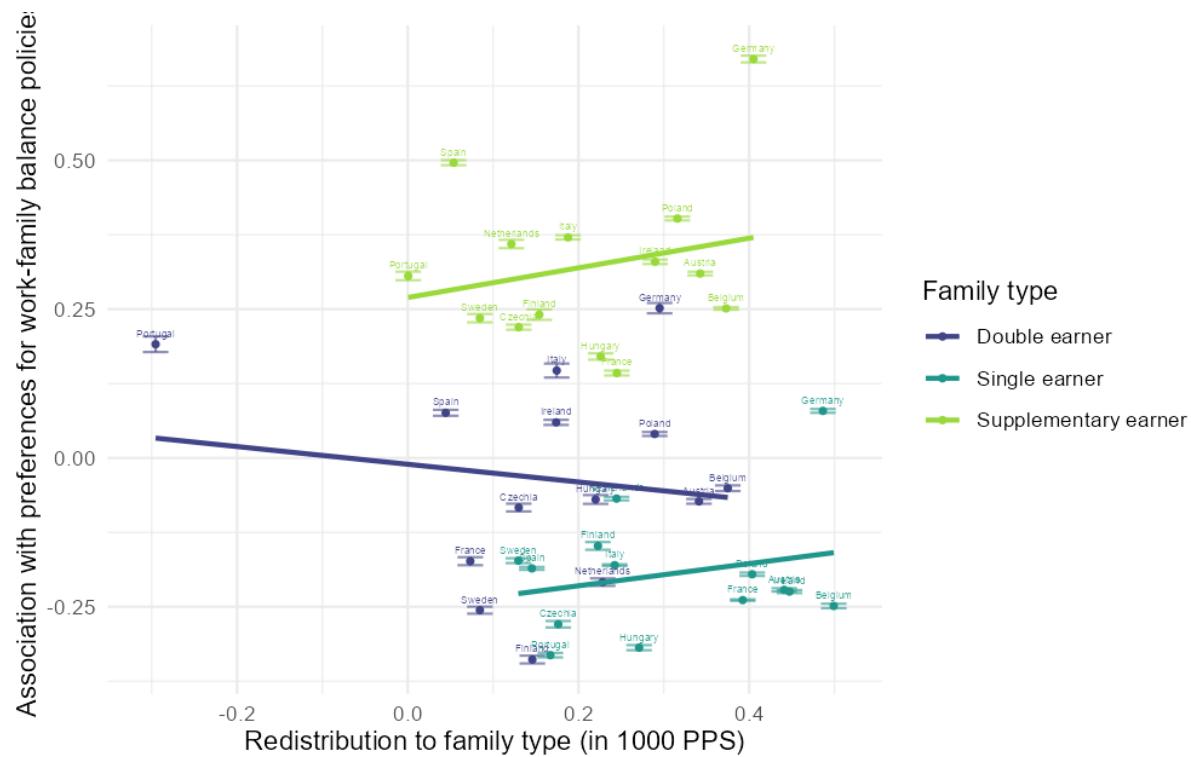
**Figure 20.3: Country total effects of family characteristics on preferences for work-family balance policy, in relation to country average family-related redistribution**



**Figure 20.4: Country total effects of family characteristics on preferences for work-family balance policy, in relation to country average family-related redistribution**



**Figure 20.5: Country total effects of family characteristics on preferences for work-family balance policy, in relation to country average family-related redistribution**



## 5 Robustness

### Specification of multiple imputations

**Table 5.1: Predictor matrix for the multiple imputation models**

|                                       | <i>HH Income</i> | <i>Individual NDI</i> | <i>FRR</i> |
|---------------------------------------|------------------|-----------------------|------------|
| <i>Preferences for redistribution</i> | 1                | 1                     | 1          |
| <i>Preferences for WF Balance</i>     | 1                | 1                     | 1          |
| <i>Age</i>                            | 1                | 1                     | 1          |
| <i>Gender</i>                         | 1                | 1                     | 1          |
| <i>Cohort</i>                         | 0                | 0                     | 0          |
| <i>Labour market status</i>           | 1                | 1                     | 1          |
| <i>Education</i>                      | 1                | 1                     | 1          |
| <i>Religiosity</i>                    | 1                | 1                     | 1          |
| <i>Queer rights</i>                   | 1                | 1                     | 1          |
| <i>Relationship status</i>            | 1                | 1                     | 1          |
| <i>Number of children</i>             | 1                | 1                     | 1          |
| <i>Earnings distribution</i>          | 1                | 1                     | 1          |
| <i>Country</i>                        | 1                | 1                     | 1          |
| <i>GDP pc</i>                         | 1                | 1                     | 1          |
| <i>Gini Index</i>                     | 1                | 1                     | 1          |
| <i>Average FRR</i>                    | 0                | 0                     | 0          |

*m*=5 (number of imputations). Imputed variables are defined in the columns, predictors are defined in the rows.

### Parallel slopes assumption for ordinal models

**Table 5.2: Brant Test of parallel regression for preferences for redistribution**

| Variable                           | $\chi^2$ | <i>p</i> -value |
|------------------------------------|----------|-----------------|
| Has family                         | 2.49     | 0.48            |
| FRR                                | 2.15     | 0.54            |
| Average FRR (country)              | 1.70     | 0.64            |
| Has family × Average FRR (country) | 4.67     | 0.20            |

**H0: Parallel Regression Assumption Holds**

**Table 5.3: Brant Test of parallel regression for preferences for work-family balance policies**

| Variable   | $\chi^2$ | <i>p</i> -value |
|--|----------|-----------------|
| Working parents                                    | 3.38     | 0.18            |
| FRR  | 0.66     | 0.72            |
| Average FRR working parents (country)              | 2.15     | 0.34            |
| Has family × Average FRR working parents (country) | 2.01     | 0.37            |

**H0: Parallel Regression Assumption Holds**