

Online Annex

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Table A.1 Descriptive statistics (2019)

	ln(Z) ln(X)		Adults				Children				Share of adults				Owners	Mortgage	Tenants	Dense area	Medium area	Thin area	Material deprivation
			1	2	3	4+	zero	1	2	3+	working	female	tertiary educated	young (16-30)							
AT	7.47 (0.49)	7.98 (0.78)	0.39	0.43	0.12	0.05	0.80	0.10	0.08	0.03	0.52 (0.44)	0.53 (0.33)	0.32 (0.41)	0.18 (0.32)	0.37	0.20	0.44	0.34	0.31	0.35	0.03
BE	7.75 (0.44)	7.94 (0.64)	0.38	0.47	0.09	0.06	0.75	0.11	0.10	0.04	0.49 (0.45)	0.52 (0.33)	0.36 (0.43)	0.16 (0.3)	0.34	0.34	0.32	0.31	0.54	0.15	0.05
BG	6.67 (0.61)	6.21 (0.88)	0.36	0.39	0.15	0.10	0.76	0.14	0.08	0.02	0.49 (0.42)	0.54 (0.32)	0.25 (0.38)	0.13 (0.24)	0.94	0.02	0.04	0.46	0.23	0.31	0.26
CZ	6.75 (0.46)	7.09 (0.63)	0.32	0.48	0.13	0.06	0.74	0.14	0.10	0.02	0.54 (0.43)	0.54 (0.3)	0.19 (0.35)	0.16 (0.28)	0.64	0.17	0.19	0.32	0.34	0.34	0.03
DE	7.54 (0.47)	7.83 (0.72)	0.44	0.45	0.08	0.03	0.82	0.10	0.07	0.02	0.54 (0.45)	0.52 (0.35)	0.37 (0.43)	0.15 (0.3)	0.28	0.18	0.54				0.04
DK	7.61 (0.58)	8.07 (0.67)	0.48	0.44	0.06	0.02	0.79	0.10	0.09	0.03	0.52 (0.46)	0.51 (0.36)	0.37 (0.43)	0.21 (0.38)	0.14	0.37	0.49	0.40	0.29	0.31	0.04
EE	7.14 (0.62)	7.06 (0.81)	0.44	0.41	0.11	0.04	0.76	0.13	0.08	0.03	0.58 (0.43)	0.56 (0.34)	0.38 (0.43)	0.18 (0.32)	0.74	0.17	0.09	0.71		0.29	0.04
EL	7.33 (0.47)	7.00 (0.65)	0.26	0.45	0.17	0.12	0.77	0.11	0.09	0.03	0.41 (0.4)	0.54 (0.29)	0.25 (0.37)	0.13 (0.25)	0.68	0.10	0.22	0.39	0.31	0.31	0.16
ES	7.45 (0.43)	7.54 (0.79)	0.27	0.47	0.17	0.09	0.74	0.14	0.09	0.02	0.48 (0.42)	0.52 (0.3)	0.31 (0.4)	0.14 (0.25)	0.57	0.25	0.18	0.51	0.23	0.26	0.05
FI	7.27 (0.57)	7.89 (0.67)	0.47	0.45	0.06	0.02	0.80	0.09	0.07	0.03	0.48 (0.45)	0.52 (0.35)	0.33 (0.42)	0.21 (0.37)	0.33	0.32	0.35	0.42	0.32	0.27	0.03
FR	7.72 (0.5)	7.88 (0.63)	0.42	0.47	0.07	0.04	0.75	0.12	0.10	0.03	0.49 (0.45)	0.54 (0.34)	0.30 (0.41)	0.18 (0.32)	0.39	0.24	0.37	0.37	0.29	0.33	0.06
HU	6.15 (0.5)	6.55 (0.71)	0.35	0.43	0.15	0.08	0.78	0.12	0.07	0.03	0.52 (0.42)	0.54 (0.33)	0.23 (0.38)	0.14 (0.26)	0.80	0.12	0.08	0.37	0.33	0.31	0.09

Table A.1 Descriptive statistics (cont.)

	ln(Z) ln(X)		Adults				Children				Share of adults				Owners	Mortgage	Tenants	Dense area	Medium area	Thin area	Material deprivation
			1	2	3	4+	zero	1	2	3+	working	female	tertiary educated	young (16-30)							
IE	7.55 (0.63)	8.14 (0.66)	0.30	0.47	0.13	0.10	0.65	0.15	0.14	0.05	0.54 (0.43)	0.52 (0.31)	0.46 (0.43)	0.16 (0.28)	0.43	0.27	0.29	0.37	0.22	0.41	0.05
IT	7.25 (0.51)	7.61 (0.84)	0.35	0.42	0.15	0.09	0.78	0.13	0.08	0.01	0.48 (0.42)	0.53 (0.32)	0.17 (0.32)	0.13 (0.24)	0.68	0.11	0.21	0.36	0.47	0.17	0.08
LT	6.67 (0.58)	6.69 (0.88)	0.42	0.41	0.12	0.05	0.77	0.13	0.08	0.02	0.51 (0.43)	0.58 (0.34)	0.32 (0.41)	0.17 (0.3)	0.87	0.09	0.03	0.43	0.02	0.55	0.12
LU	8.05 (0.51)	8.41 (0.78)	0.35	0.47	0.10	0.07	0.76	0.13	0.09	0.02	0.55 (0.43)	0.50 (0.32)	0.36 (0.44)	0.18 (0.3)	0.34	0.35	0.31	0.22	0.42	0.35	0.02
LV	6.95 (0.64)	6.73 (0.9)	0.39	0.43	0.13	0.05	0.75	0.14	0.08	0.02	0.51 (0.42)	0.58 (0.33)	0.31 (0.41)	0.16 (0.29)	0.78	0.09	0.13	0.66		0.34	0.10
NL	7.38 (0.57)	7.91 (0.71)	0.42	0.47	0.06	0.04	0.79	0.09	0.09	0.04	0.57 (0.45)	0.51 (0.34)	0.40 (0.44)	0.22 (0.37)	0.09	0.49	0.42				0.03
PL	6.63 (0.51)	6.85 (0.74)	0.26	0.41	0.18	0.16	0.71	0.16	0.10	0.03	0.43 (0.4)	0.55 (0.28)	0.23 (0.36)	0.16 (0.27)	0.83	0.11	0.07	0.41	0.24	0.35	0.05
PT	6.81 (0.58)	7.17 (0.71)	0.25	0.49	0.18	0.08	0.74	0.17	0.08	0.01	0.51 (0.42)	0.56 (0.28)	0.19 (0.34)	0.14 (0.25)	0.51	0.30	0.19	0.46	0.29	0.26	0.06
RO	6.45 (0.5)	6.15 (0.83)	0.31	0.40	0.16	0.13	0.72	0.16	0.10	0.02	0.49 (0.41)	0.53 (0.3)	0.15 (0.33)	0.14 (0.25)	0.97	0.01	0.03	0.32	0.26	0.42	0.15
SE	7.34 (0.44)	7.82 (0.72)	0.53	0.41	0.05	0.02	0.78	0.09	0.09	0.03	0.59 (0.46)	0.49 (0.37)	0.32 (0.42)	0.24 (0.4)	0.14	0.46	0.41	0.43	0.38	0.19	0.01
SI	7.17 (0.51)	7.42 (0.67)	0.32	0.45	0.15	0.09	0.74	0.13	0.11	0.03	0.50 (0.43)	0.52 (0.31)	0.28 (0.38)	0.14 (0.25)	0.80	0.10	0.11				0.04
SK	6.92 (0.51)	7.02 (0.63)	0.19	0.45	0.19	0.17	0.70	0.15	0.12	0.03	0.53 (0.4)	0.54 (0.26)	0.20 (0.33)	0.16 (0.25)	0.74	0.17	0.09	0.24	0.37	0.39	0.09

Source: EU-SILC 2019. Authors' computations.

Notes: Weighted by household cross-sectional weights. EE as a country abbreviation stands for Estonia (not Eastern Europe). Std. deviation for continuous variables in parentheses.

Table A.2 Regression model results (2019)

	AT	BE	BG	CZ	DE	DK	EE	EL	ES	FI	FR	HU
Without control variables												
Actual income ln(X)	0.20***	0.27***	0.35***	0.34***	0.33***	0.45***	0.33***	0.30***	0.20***	0.37***	0.42***	0.25***
2 adults	0.28***	0.22***	0.33***	0.16***	0.18***	0.07***	0.30***	0.22***	0.15***	0.10***	0.19***	0.19***
3 adults	0.37***	0.30***	0.51***	0.24***	0.25***	0.07	0.49***	0.33***	0.22***	0.17***	0.26***	0.32***
4+ adults	0.60***	0.37***	0.60***	0.31***	0.31***	-0.08	0.63***	0.44***	0.34***	0.27***	0.34***	0.42***
1 child	0.14***	0.13***	0.17***	0.14***	0.15***	0.18***	0.17***	0.10***	0.16***	0.18***	0.12***	0.09***
2 children	0.22***	0.23***	0.27***	0.18***	0.22***	0.19***	0.22***	0.17***	0.25***	0.29***	0.15***	0.15***
3+ children	0.27***	0.29***	0.27***	0.22***	0.30***	0.22***	0.32***	0.19***	0.25***	0.28***	0.20***	0.15***
Constant	5.60***	5.40***	4.19***	4.18***	4.81***	3.86***	4.55***	4.98***	5.75***	4.24***	4.23***	4.35***
Observations	5,782	6,549	7,340	8,706	11,628	4,770	6,236	17,818	15,626	9,090	11,149	6,894
R-squared	0.45	0.50	0.68	0.48	0.52	0.39	0.56	0.44	0.34	0.37	0.54	0.34
With control variables												
Actual income ln(X)	0.16***	0.20***	0.22***	0.22***	0.27***	0.27***	0.18***	0.23***	0.14***	0.28***	0.37***	0.17***
2 adults	0.32***	0.26***	0.35***	0.23***	0.21***	0.18***	0.40***	0.24***	0.19***	0.18***	0.24***	0.23***
3 adults	0.44***	0.38***	0.55***	0.35***	0.31***	0.29***	0.65***	0.39***	0.30***	0.32***	0.34***	0.40***
4+ adults	0.71***	0.48***	0.69***	0.46***	0.40***	0.22**	0.87***	0.52***	0.43***	0.45***	0.44***	0.54***
1 child	0.09***	0.09***	0.11***	0.10***	0.11***	0.15***	0.12***	0.07***	0.08***	0.10***	0.08***	0.06**
2 children	0.13***	0.16***	0.21***	0.13***	0.17***	0.11***	0.15***	0.14***	0.16***	0.20***	0.08***	0.11***
3+ children	0.21***	0.24***	0.26***	0.20***	0.24***	0.12**	0.31***	0.17***	0.19***	0.22***	0.13***	0.19***
Working - share	0.14***	0.07***	0.29***	0.13***	0.07***	0.17***	0.34***	0.08***	0.13***	0.06***	0.05***	0.12***
Female - share	-0.00	0.02	-0.05***	-0.03***	0.02**	0.02	-0.09***	-0.03**	-0.01	0.06***	-0.00	0.01
Tertiary education - share	0.10***	0.07***	0.09***	0.05***	0.10***	0.12***	0.05***	0.16***	0.10***	0.08***	0.04**	0.12***
Young 16-30 - share	-0.13***	-0.08***	0.06**	-0.01	-0.12***	-0.25***	-0.08***	-0.08***	-0.05**	-0.13***	-0.15***	-0.06
Owners	-0.06***	-0.03**	-0.05	-0.05***	-0.03***	0.02	0.02	0.03**	-0.03**	-0.15***	-0.01	-0.01
Mortgage	0.09***	0.08***	0.05	0.09***	0.14***	0.13***	0.15***	0.09***	0.08***	0.07***	0.12***	0.06
Dense area	0.07***	-0.00	0.07***	0.10***		0.04**	0.04***	0.07***	0.05***	0.12***	0.08***	0.13***
Medium area	0.05***	-0.05***	0.07***	-0.01		0.04		0.07***	-0.01	0.08***	0.05***	0.02
Material deprivation	-0.05	0.07***	-0.08***	-0.01	-0.01	0.04	0.09***	-0.01	-0.06***	0.11**	0.03	-0.10***
Constant	5.86***	5.86***	4.85***	4.89***	5.18***	5.14***	5.36***	5.37***	6.08***	4.83***	4.57***	4.69***
Observations	5,782	6,546	7,340	8,706	11,628	4,746	6,236	17,818	15,625	9,036	11,133	6,894
R-squared	0.49	0.52	0.72	0.52	0.55	0.44	0.61	0.47	0.40	0.41	0.56	0.38

Table A.2 Regression model results (cont.)

	IE	IT	LT	LU	LV	NL	PL	PT	RO	SE	SI	SK
Without control variables												
Actual income ln(X)	0.45***	0.10***	0.20***	0.17***	0.32***	0.38***	0.28***	0.37***	0.24***	0.23***	0.26***	0.33***
2 adults	0.08**	0.17***	0.27***	0.23***	0.25***	0.08***	0.25***	0.13***	0.14***	0.08***	0.24***	0.23***
3 adults	0.03	0.27***	0.46***	0.29***	0.41***	0.11***	0.30***	0.23***	0.19***	0.21***	0.38***	0.33***
4+ adults	0.16**	0.39***	0.59***	0.41***	0.62***	0.05	0.39***	0.32***	0.18***	0.27***	0.44***	0.43***
1 child	0.21***	0.15***	0.19***	0.24***	0.17***	0.12***	0.11***	0.15***	0.08***	0.16***	0.18***	0.10***
2 children	0.21***	0.21***	0.28***	0.31***	0.26***	0.17***	0.14***	0.22***	0.09***	0.27***	0.23***	0.19***
3+ children	0.16***	0.30***	0.31***	0.30***	0.37***	0.14***	0.20***	0.32***	0.19***	0.30***	0.20***	0.27***
Constant	3.75***	6.28***	5.08***	6.40***	4.54***	4.34***	4.48***	3.96***	4.82***	5.44***	5.02***	4.31***
Observations	3,515	20,578	4,910	3,648	4,822	9,659	18,431	13,337	7,226	4,219	8,590	5,417
R-squared	0.34	0.16	0.40	0.29	0.51	0.32	0.44	0.35	0.28	0.33	0.43	0.44
With control variables												
Actual income ln(X)	0.30***	0.08***	0.10***	0.13***	0.21***	0.28***	0.17***	0.29***	0.18***	0.16***	0.17***	0.24***
2 adults	0.14***	0.19***	0.33***	0.27***	0.31***	0.12***	0.30***	0.17***	0.17***	0.13***	0.29***	0.25***
3 adults	0.17***	0.30***	0.56***	0.38***	0.50***	0.22***	0.43***	0.29***	0.25***	0.30***	0.46***	0.38***
4+ adults	0.33***	0.42***	0.73***	0.52***	0.76***	0.20***	0.59***	0.41***	0.27***	0.38***	0.54***	0.51***
1 child	0.16***	0.09***	0.11***	0.13***	0.12***	0.10***	0.06***	0.09***	0.07***	0.09***	0.12***	0.08***
2 children	0.14***	0.14***	0.18***	0.18***	0.20***	0.12***	0.10***	0.14***	0.09***	0.18***	0.15***	0.16***
3+ children	0.13***	0.25***	0.28***	0.18***	0.34***	0.10***	0.20***	0.27***	0.22***	0.23***	0.14***	0.26***
Working - share	0.15***	0.09***	0.21***	-0.00	0.24***	0.05**	0.14***	-0.01	0.04**	0.15***	0.16***	0.12***
Female - share	0.02	-0.02	0.00	-0.04	-0.07***	-0.02	-0.04***	-0.05***	-0.07***	0.02	-0.04**	-0.07***
Tertiary education - share	0.13***	0.08***	0.11***	0.18***	0.06***	0.15***	0.12***	0.25***	0.01	0.04***	0.04**	0.06**
Young 16-30 - share	-0.03	-0.01	0.03	-0.16***	0.05	-0.17***	-0.05***	-0.05**	0.00	-0.14***	-0.03	0.04
Owners	-0.04	-0.04***	-0.05	-0.12***	-0.05**	-0.09***	-0.07***	-0.07***	-0.04	-0.16***	0.02	-0.02
Mortgage	0.15***	0.12***	0.14**	0.17***	0.16***	0.06***	0.09***	0.11***	0.03	0.02	0.17***	0.01
Dense area	0.05**	0.02	-0.04**	0.07***	-0.00		0.12***	0.10***	0.19***	0.06***		0.06***
Medium area	-0.01	-0.01	0.25***	0.08***			0.07***	0.03**	0.09***	0.03		0.04***
Material deprivation	-0.11**	0.03	0.02	0.09**	-0.07***	-0.02	-0.10***	0.02	-0.03	0.17***	-0.03	-0.09***
Constant	4.77***	6.43***	5.58***	6.63***	5.20***	4.98***	5.05***	4.51***	5.16***	5.91***	5.56***	4.89***
Observations	3,502	20,578	4,909	3,625	4,822	9,617	18,425	13,337	7,226	4,188	8,590	5,417
R-squared	0.38	0.18	0.44	0.38	0.54	0.35	0.49	0.40	0.30	0.38	0.46	0.46

Source: EU-SILC 2019. Authors' computations.

Notes: * statistically significant at the 10% level, ** statistically significant at the 5% level, *** statistically significant at the 1% level. EE as a country abbreviation stands for Estonia (not Eastern Europe).

Table A.3 Subjective equivalence scales: weights for adults and children (2019) – *WITHOUT controls*

	Partial weight (p) of:			Final weight (W^A)	Partial weight (p) of:			Final weight (W^C)
	2nd adult	3rd adult	4th and further adults	Adults	1st child	2nd child	3rd and further children	Children
Eastern Europe								
BG	0.659	0.526	0.316	0.575	0.301	0.219	-0.012	0.250
CZ	0.266	0.166	0.172	0.238	0.239	0.077	0.076	0.165
EE	0.568	0.500	0.488	0.549	0.284	0.105	0.220	0.217
HU	0.291	0.235	0.212	0.269	0.125	0.087	0.006	0.097
LT	0.404	0.374	0.314	0.390	0.268	0.143	0.055	0.207
LV	0.450	0.386	0.667	0.452	0.283	0.174	0.257	0.245
PL	0.417	0.102	0.187	0.292	0.163	0.059	0.090	0.118
RO	0.208	0.082	-0.027	0.135	0.109	0.012	0.167	0.081
SI	0.384	0.275	0.138	0.328	0.275	0.088	-0.051	0.168
SK	0.407	0.230	0.263	0.336	0.170	0.153	0.176	0.164
<i>Simple average</i>	<i>0.405</i>	<i>0.288</i>	<i>0.273</i>	<i>0.356</i>	<i>0.222</i>	<i>0.112</i>	<i>0.098</i>	<i>0.171</i>
Western Europe								
AT	0.424	0.172	0.533	0.384	0.199	0.115	0.083	0.150
BE	0.343	0.169	0.159	0.301	0.201	0.169	0.110	0.174
DE	0.299	0.154	0.135	0.271	0.243	0.154	0.167	0.203
DK	0.142	-0.015	-0.257	0.111	0.390	0.039	0.062	0.204
EL	0.365	0.251	0.266	0.323	0.149	0.120	0.049	0.125
ES	0.206	0.115	0.212	0.185	0.215	0.147	0.002	0.173
FI	0.167	0.149	0.218	0.167	0.326	0.263	-0.031	0.242
FR	0.400	0.179	0.234	0.362	0.231	0.066	0.110	0.149
IE	0.154	-0.096	0.279	0.125	0.474	-0.013	-0.121	0.187
IT	0.209	0.143	0.193	0.191	0.182	0.075	0.146	0.141
LU	0.324	0.089	0.227	0.276	0.333	0.116	-0.010	0.223
NL	0.143	0.049	-0.116	0.116	0.216	0.103	-0.059	0.123
PT	0.236	0.207	0.228	0.228	0.271	0.160	0.239	0.236
SE	0.116	0.199	0.101	0.123	0.224	0.192	0.055	0.186
<i>Simple average</i>	<i>0.252</i>	<i>0.126</i>	<i>0.172</i>	<i>0.226</i>	<i>0.261</i>	<i>0.122</i>	<i>0.057</i>	<i>0.180</i>

Source: EU-SILC 2019. Authors' computations.

Notes: EE as a country abbreviation stands for Estonia (not Eastern Europe). Bootstrap hypothesis testing with 2,000 resamples was performed for each individual country. The mean final adult weight is statistically significantly different from 0.5 in all countries; the mean final child weight is statistically significantly different from 0.3 in all countries; the mean final adult/child weights in pooled EE and WE regions are statistically significantly different.

Figure A.1a Intersection method: SPLs by number of adults and children: AT, BE, BG (2019)

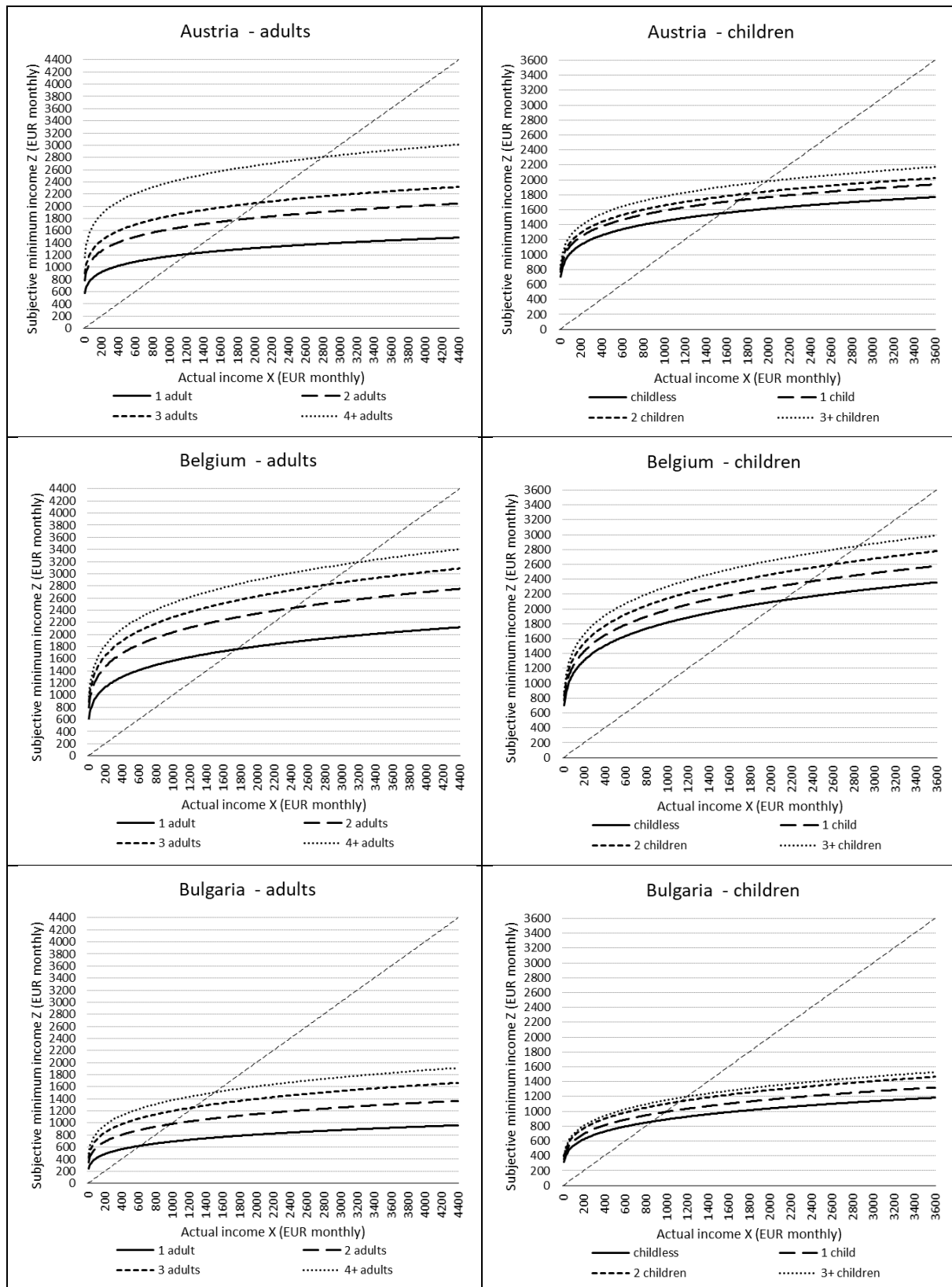


Figure A.1b Intersection method: SPLs by number of adults and children: CZ, DE, DK (2019)

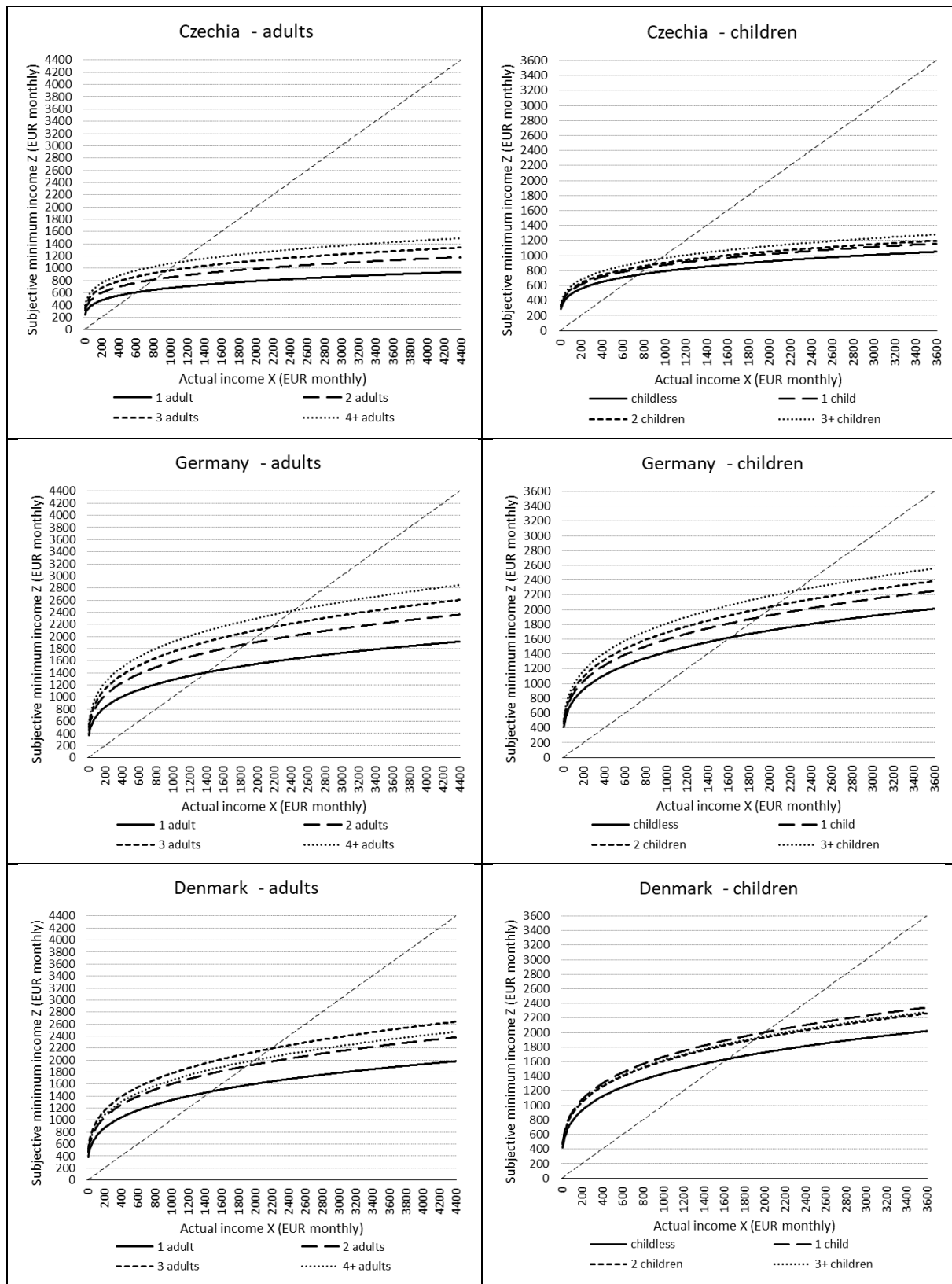


Figure A.1c Intersection method: SPLs by number of adults and children: EE, EL, ES (2019)

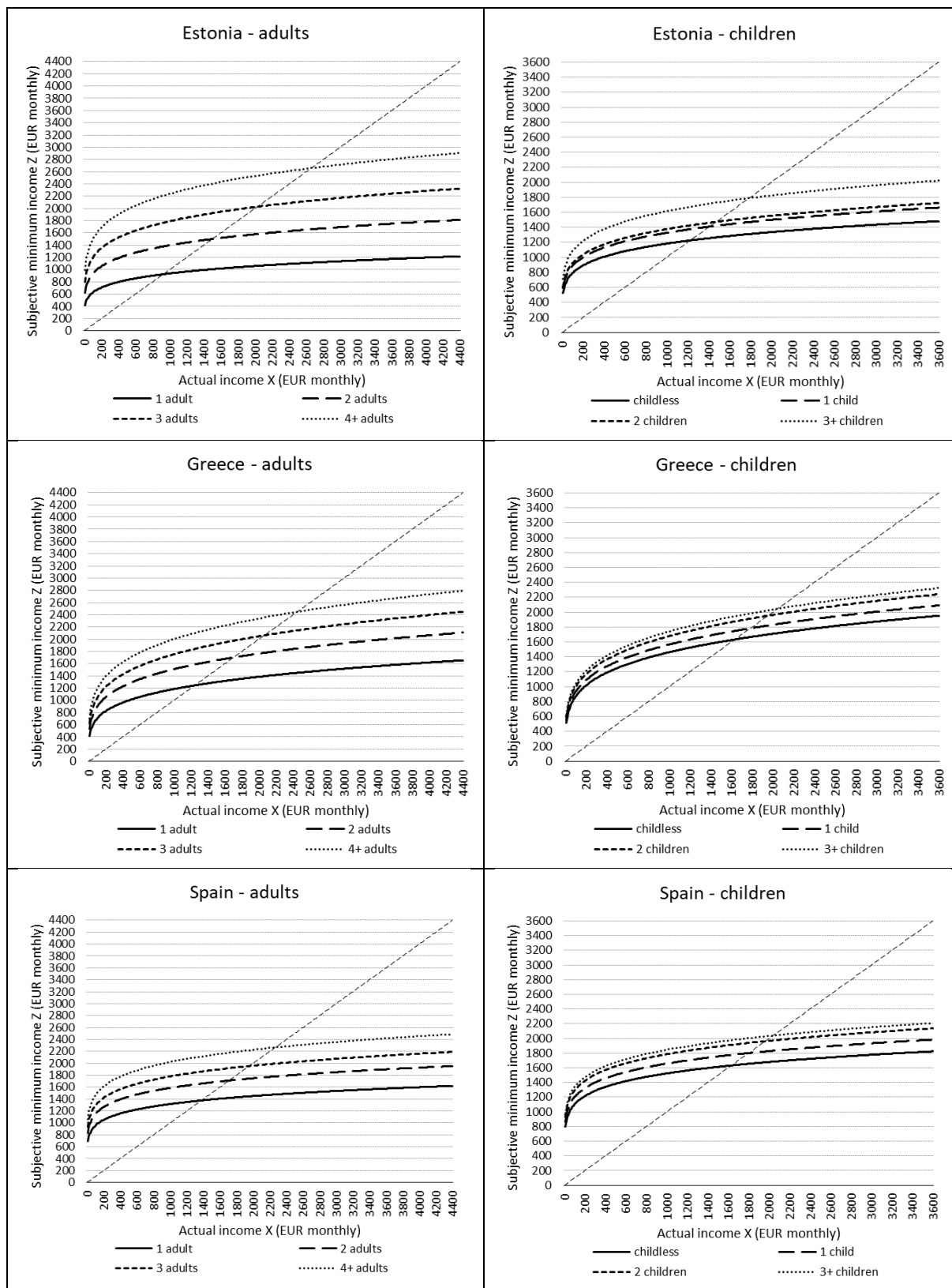


Figure A.1d Intersection method: SPLs by number of adults and children: FI, FR, HU (2019)

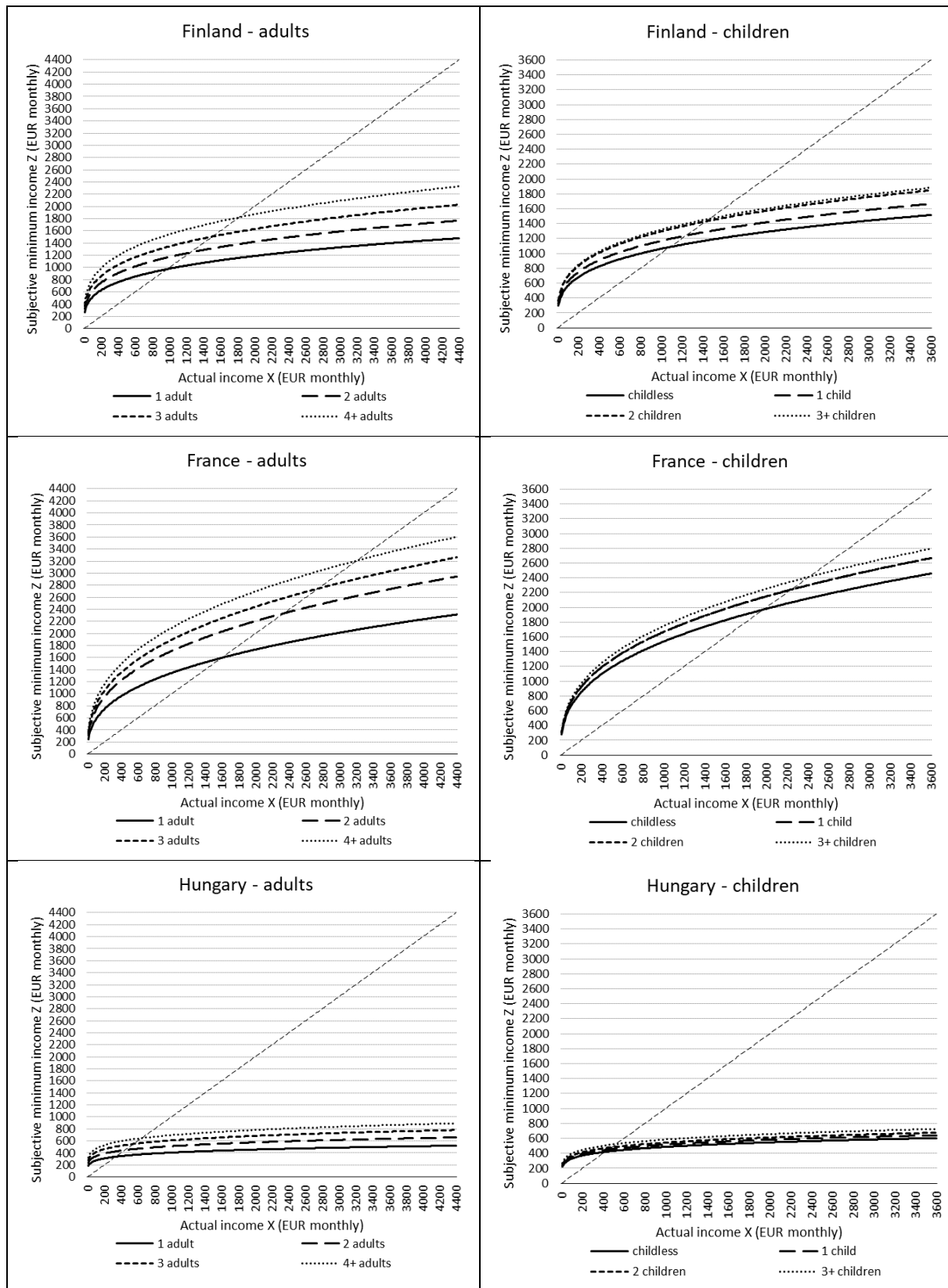


Figure A.1e Intersection method: SPLs by number of adults and children: IE, IT, LT (2019)

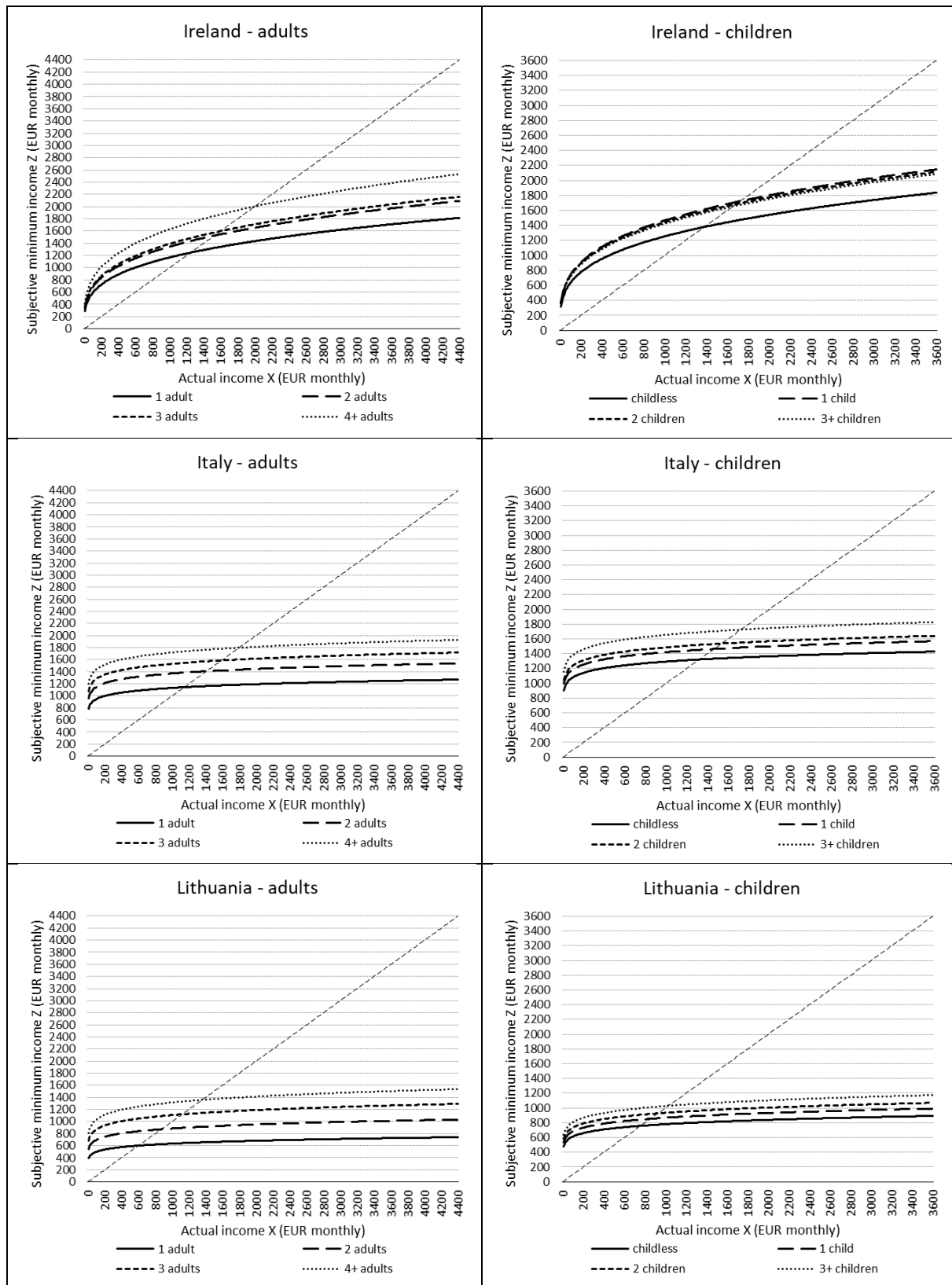


Figure A.1f Intersection method: SPLs by number of adults and children: LU, LV, NL (2019)

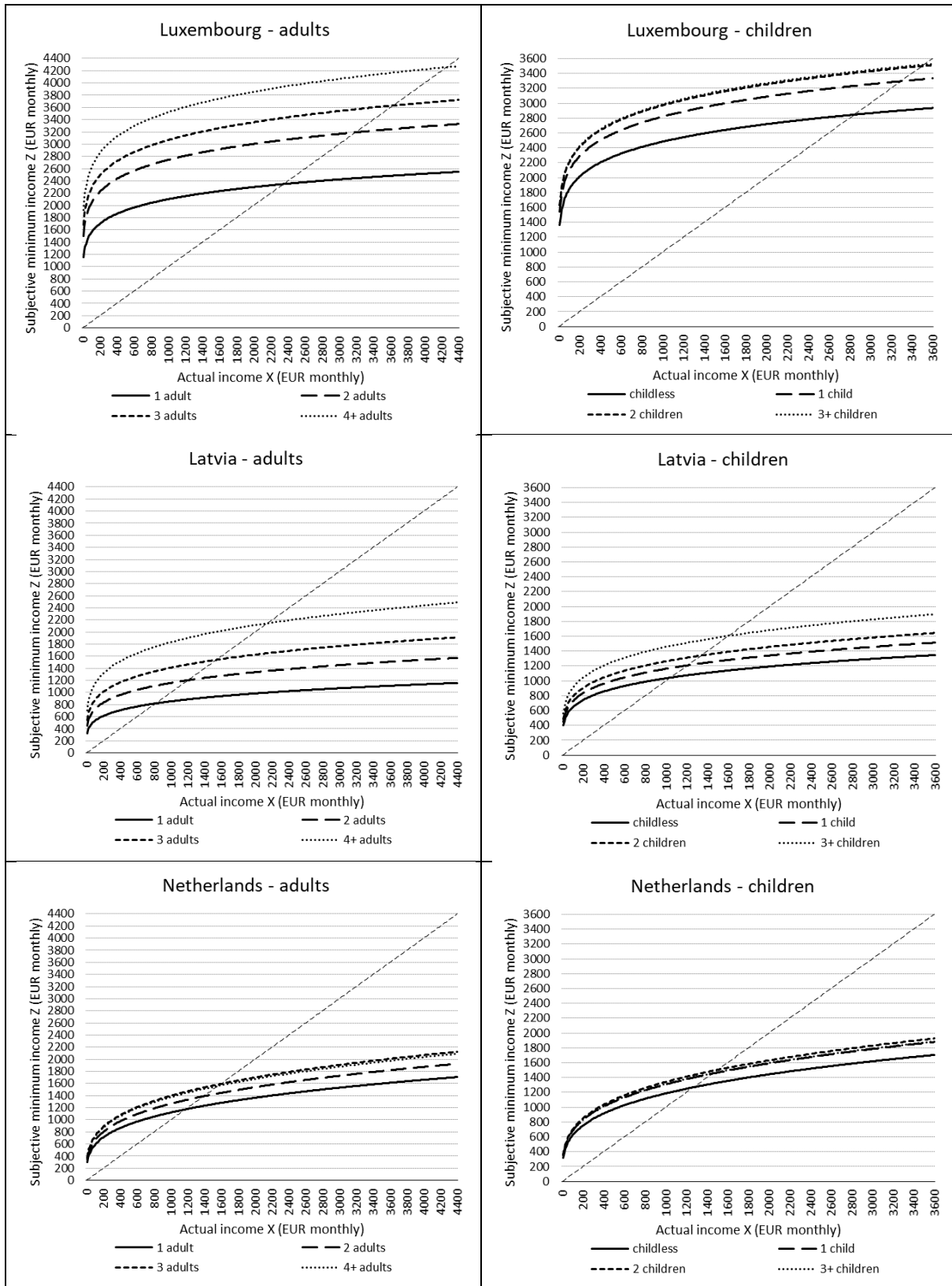


Figure A.1g Intersection method: SPLs by number of adults and children: PL, PT, RO (2019)

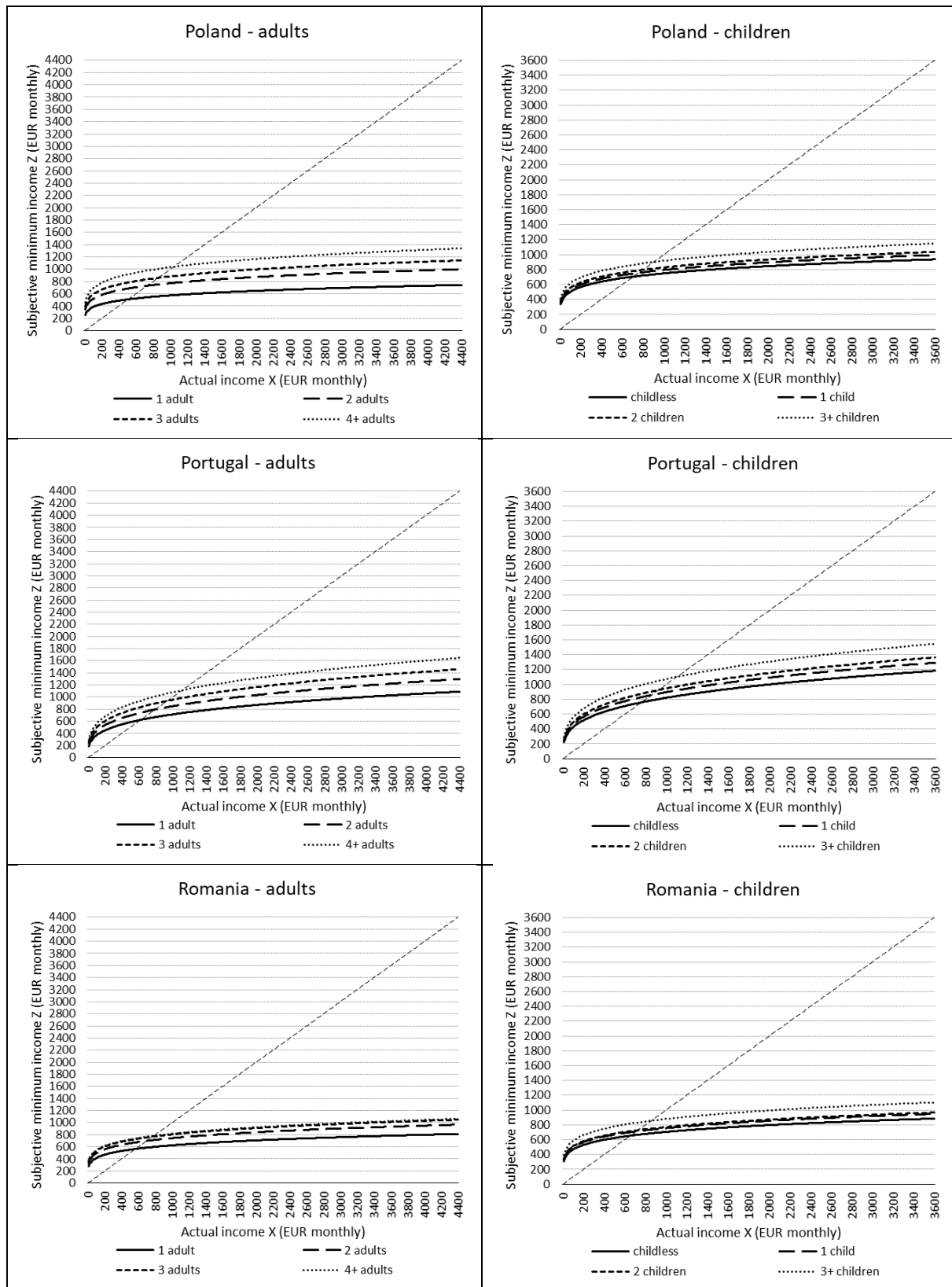
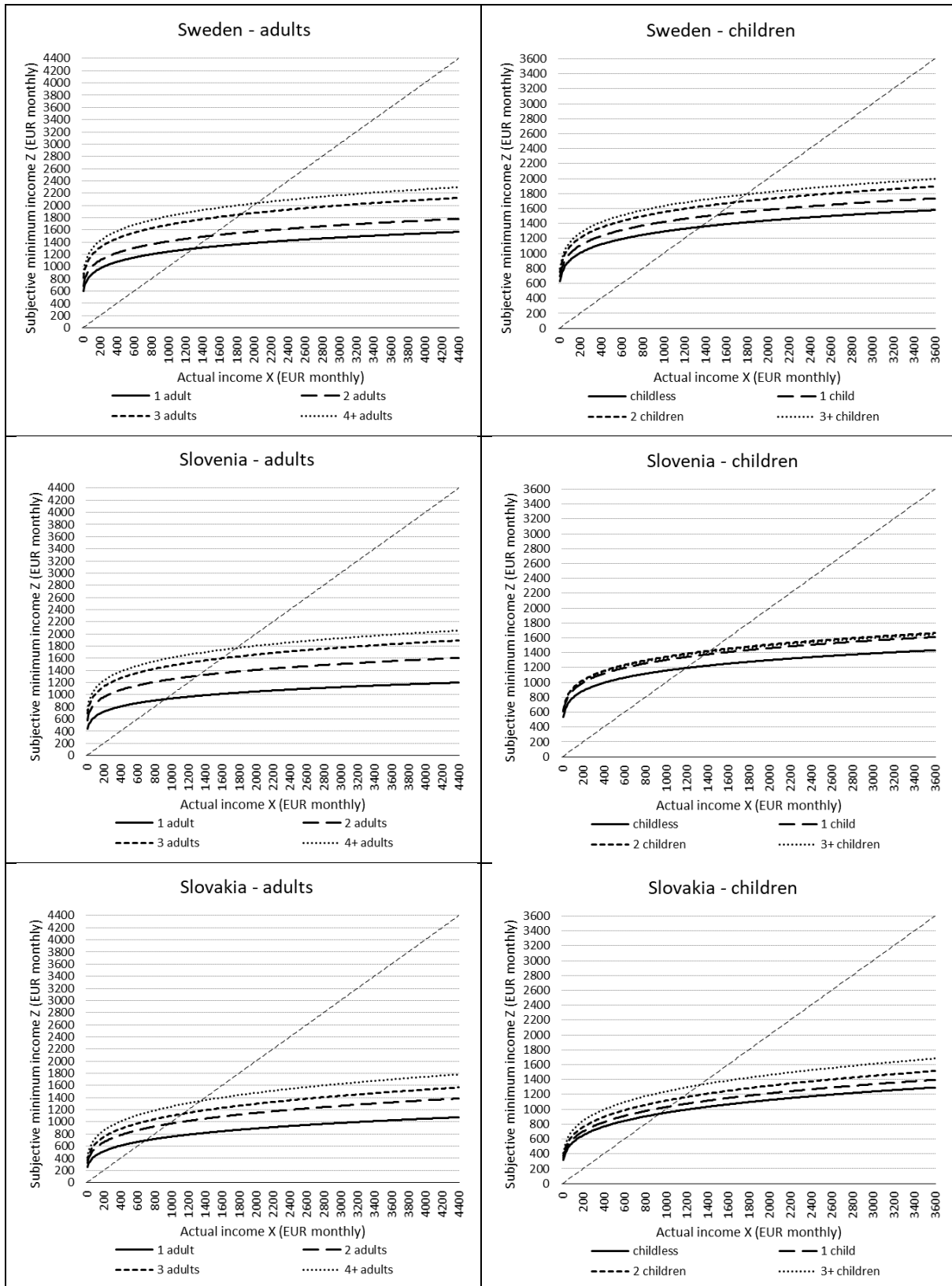


Figure A.1h Intersection method: SPLs by number of adults and children: SE, SI, SK (2019)



Source: EU-SILC 2019. Authors' computations.

Notes: The functions are estimated using OLS regression; other explanatory and control variables are kept at their means (see Sections III and IV).