

Appendix 2: Significance of Transfer Entropy coefficients

Results for each permutation of age groups from each country. Tables include transfer entropy estimates, the effective transfer entropy estimates, standard errors and p-values based on bootstrap replications of the Markov chains under the null hypothesis of statistical independence.

Table 1: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged0to4	aged5to9	Austria	0.03	0.02	0.00	0.00	X->Y
		Belgium	0.01	0.00	0.00	0.24	X->Y
		Bulgaria	0.02	0.00	0.00	0.17	X->Y
		Croatia	0.02	0.01	0.01	0.04	X->Y
		Estonia	0.03	0.01	0.00	0.00	X->Y
		France	0.02	0.01	0.00	0.04	X->Y
		Germany	0.01	0.00	0.00	0.61	X->Y
		Greece	0.04	0.02	0.01	0.02	X->Y
		Netherlands	0.02	0.01	0.00	0.01	X->Y
		Portugal	0.02	0.00	0.00	0.16	X->Y
	aged10to14	Slovakia	0.05	0.04	0.00	0.00	X->Y
		Spain	0.02	0.01	0.00	0.01	X->Y
		Austria	0.02	0.00	0.00	0.09	X->Y
		Belgium	0.01	0.00	0.00	0.58	X->Y
		Bulgaria	0.03	0.01	0.01	0.03	X->Y
		Croatia	0.02	0.01	0.01	0.20	X->Y
		Estonia	0.03	0.02	0.00	0.00	X->Y
		France	0.01	0.00	0.00	0.18	X->Y
		Germany	0.01	0.00	0.00	0.19	X->Y
		Greece	0.02	0.00	0.01	0.41	X->Y
	aged15to19	Netherlands	0.04	0.03	0.00	0.00	X->Y
		Portugal	0.02	0.01	0.00	0.01	X->Y
		Slovakia	0.04	0.03	0.00	0.00	X->Y
		Spain	0.04	0.02	0.00	0.00	X->Y
		Austria	0.04	0.02	0.00	0.00	X->Y
		Belgium	0.01	0.00	0.00	0.49	X->Y
		Bulgaria	0.03	0.01	0.01	0.02	X->Y
		Croatia	0.02	0.01	0.00	0.06	X->Y
		Estonia	0.03	0.02	0.00	0.00	X->Y
		France	0.02	0.01	0.00	0.05	X->Y
	aged20to24	Germany	0.01	0.00	0.00	0.27	X->Y
		Greece	0.03	0.02	0.01	0.04	X->Y
		Netherlands	0.05	0.03	0.00	0.00	X->Y
		Portugal	0.03	0.01	0.01	0.01	X->Y
		Slovakia	0.06	0.04	0.00	0.00	X->Y
		Spain	0.03	0.02	0.00	0.00	X->Y
		Austria	0.04	0.02	0.00	0.00	X->Y
		Belgium	0.02	0.00	0.00	0.10	X->Y
		Bulgaria	0.02	0.01	0.00	0.12	X->Y
		Croatia	0.05	0.04	0.01	0.00	X->Y

Table 2: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged0to4	aged25to34	Austria	0.03	0.02	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.04	X->Y
		Bulgaria	0.03	0.02	0.00	0.00	X->Y
		Croatia	0.04	0.03	0.01	0.00	X->Y
		Estonia	0.04	0.03	0.00	0.00	X->Y
		France	0.02	0.01	0.00	0.03	X->Y
		Germany	0.03	0.01	0.00	0.00	X->Y
		Greece	0.04	0.03	0.01	0.00	X->Y
		Netherlands	0.07	0.06	0.00	0.00	X->Y
		Portugal	0.03	0.02	0.01	0.01	X->Y
		Slovakia	0.04	0.03	0.00	0.00	X->Y
		Spain	0.06	0.04	0.00	0.00	X->Y
	aged35to44	Austria	0.03	0.02	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.02	X->Y
		Bulgaria	0.02	0.01	0.01	0.10	X->Y
		Croatia	0.05	0.04	0.00	0.00	X->Y
		Estonia	0.03	0.02	0.00	0.00	X->Y
		France	0.02	0.01	0.00	0.01	X->Y
		Germany	0.03	0.02	0.00	0.00	X->Y
		Greece	0.02	0.00	0.01	0.46	X->Y
		Netherlands	0.06	0.05	0.00	0.00	X->Y
		Portugal	0.03	0.02	0.00	0.00	X->Y
		Slovakia	0.04	0.03	0.00	0.00	X->Y
		Spain	0.05	0.04	0.00	0.00	X->Y
	aged45to54	Austria	0.03	0.02	0.00	0.00	X->Y
		Belgium	0.03	0.01	0.00	0.00	X->Y
		Bulgaria	0.03	0.02	0.00	0.01	X->Y
		Croatia	0.04	0.03	0.01	0.00	X->Y
		Estonia	0.02	0.01	0.00	0.02	X->Y
		France	0.03	0.02	0.00	0.00	X->Y
		Germany	0.02	0.01	0.00	0.03	X->Y
		Greece	0.02	0.00	0.01	0.56	X->Y
		Netherlands	0.07	0.06	0.00	0.00	X->Y
		Portugal	0.04	0.03	0.00	0.00	X->Y
		Slovakia	0.04	0.03	0.00	0.00	X->Y
		Spain	0.04	0.03	0.00	0.00	X->Y
	aged55to64	Austria	0.03	0.01	0.00	0.00	X->Y
		Belgium	0.03	0.01	0.00	0.01	X->Y
		Bulgaria	0.03	0.02	0.00	0.01	X->Y
		Croatia	0.04	0.03	0.01	0.00	X->Y
		Estonia	0.01	0.00	0.00	0.27	X->Y
		France	0.03	0.02	0.00	0.00	X->Y
		Germany	0.02	0.01	0.00	0.01	X->Y
		Greece	0.02	0.01	0.01	0.20	X->Y
		Netherlands	0.04	0.02	0.00	0.00	X->Y
		Portugal	0.02	0.01	0.00	0.04	X->Y
		Slovakia	0.03	0.02	0.00	0.00	X->Y
		Spain	0.03	0.02	0.00	0.00	X->Y
	aged65+	Austria	0.02	0.01	0.00	0.02	X->Y
		Belgium	0.02	0.01	0.00	0.14	X->Y
		Bulgaria	0.03	0.02	0.00	0.00	X->Y
		Croatia	0.03	0.02	0.01	0.00	X->Y
		Estonia	0.01	0.00	0.00	0.63	X->Y
		France	0.03	0.02	0.00	0.00	X->Y
		Germany	0.02	0.01	0.00	0.00	X->Y
		Greece	0.02	0.00	0.01	0.37	X->Y
		Netherlands	0.04	0.03	0.00	0.00	X->Y
		Portugal	0.02	0.01	0.01	0.04	X->Y
		Slovakia	0.02	0.01	0.00	0.04	X->Y
		Spain	0.03	0.02	0.00	0.00	X->Y

Table 3: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged5to9	aged0to4	Austria	0.04	0.03	0.00	0.00	Y->X
		Belgium	0.01	0.00	0.00	0.55	Y->X
		Bulgaria	0.01	0.00	0.00	0.24	Y->X
		Croatia	0.02	0.01	0.01	0.11	Y->X
		Estonia	0.02	0.01	0.00	0.02	Y->X
		France	0.03	0.02	0.00	0.00	Y->X
		Germany	0.05	0.04	0.00	0.00	Y->X
		Greece	0.01	0.00	0.01	0.84	Y->X
		Netherlands	0.02	0.01	0.00	0.08	Y->X
		Portugal	0.04	0.02	0.00	0.00	Y->X
		Slovakia	0.04	0.03	0.00	0.00	Y->X
		Spain	0.01	0.00	0.00	0.81	Y->X
	aged10to14	Austria	0.03	0.01	0.00	0.00	Y->X
		Belgium	0.00	0.00	0.00	1.00	Y->X
		Bulgaria	0.02	0.01	0.00	0.01	Y->X
		Croatia	0.02	0.01	0.01	0.13	Y->X
		Estonia	0.03	0.01	0.00	0.00	Y->X
		France	0.01	0.00	0.00	0.48	Y->X
		Germany	0.00	0.00	0.00	0.99	Y->X
		Greece	0.01	0.00	0.01	0.88	Y->X
		Netherlands	0.04	0.02	0.00	0.00	Y->X
		Portugal	0.01	0.00	0.01	0.44	Y->X
		Slovakia	0.02	0.00	0.00	0.15	Y->X
		Spain	0.01	0.00	0.00	0.44	Y->X
	aged15to19	Austria	0.07	0.05	0.00	0.00	Y->X
		Belgium	0.01	0.00	0.00	0.78	Y->X
		Bulgaria	0.02	0.01	0.00	0.02	Y->X
		Croatia	0.04	0.02	0.01	0.00	Y->X
		Estonia	0.04	0.03	0.00	0.00	Y->X
		France	0.02	0.01	0.00	0.03	Y->X
		Germany	0.01	0.00	0.00	0.77	Y->X
		Greece	0.02	0.01	0.01	0.33	Y->X
		Netherlands	0.04	0.03	0.00	0.00	Y->X
		Portugal	0.02	0.00	0.00	0.17	Y->X
		Slovakia	0.02	0.00	0.00	0.21	Y->X
		Spain	0.02	0.01	0.00	0.03	Y->X
	aged20to24	Austria	0.03	0.01	0.00	0.00	Y->X
		Belgium	0.02	0.01	0.00	0.07	Y->X
		Bulgaria	0.02	0.00	0.00	0.19	Y->X
		Croatia	0.04	0.02	0.01	0.00	Y->X
		Estonia	0.02	0.01	0.00	0.05	Y->X
		France	0.02	0.01	0.00	0.01	Y->X
		Germany	0.04	0.02	0.00	0.00	Y->X
		Greece	0.03	0.02	0.01	0.03	Y->X
		Netherlands	0.04	0.02	0.00	0.00	Y->X
		Portugal	0.02	0.00	0.00	0.15	Y->X
		Slovakia	0.04	0.03	0.00	0.00	Y->X
		Spain	0.03	0.01	0.00	0.00	Y->X

Table 4: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged5to9	aged25to34	Austria	0.06	0.05	0.00	0.00	Y->X
		Belgium	0.02	0.01	0.00	0.02	Y->X
		Bulgaria	0.02	0.01	0.00	0.02	Y->X
		Croatia	0.03	0.02	0.01	0.00	Y->X
		Estonia	0.03	0.02	0.00	0.00	Y->X
		France	0.03	0.02	0.00	0.00	Y->X
		Germany	0.05	0.04	0.00	0.00	Y->X
		Greece	0.03	0.02	0.01	0.03	Y->X
		Netherlands	0.07	0.06	0.00	0.00	Y->X
		Portugal	0.03	0.01	0.01	0.02	Y->X
		Slovakia	0.03	0.02	0.00	0.00	Y->X
		Spain	0.04	0.03	0.00	0.00	Y->X
	aged35to44	Austria	0.04	0.03	0.00	0.00	Y->X
		Belgium	0.02	0.01	0.00	0.06	Y->X
		Bulgaria	0.02	0.01	0.01	0.15	Y->X
		Croatia	0.04	0.03	0.01	0.00	Y->X
		Estonia	0.02	0.01	0.00	0.06	Y->X
		France	0.04	0.02	0.00	0.00	Y->X
		Germany	0.06	0.05	0.00	0.00	Y->X
		Greece	0.01	0.00	0.01	0.57	Y->X
		Netherlands	0.05	0.04	0.00	0.00	Y->X
		Portugal	0.03	0.01	0.00	0.01	Y->X
		Slovakia	0.02	0.01	0.00	0.04	Y->X
		Spain	0.04	0.03	0.00	0.00	Y->X
	aged45to54	Austria	0.04	0.03	0.00	0.00	Y->X
		Belgium	0.02	0.01	0.00	0.02	Y->X
		Bulgaria	0.03	0.02	0.01	0.01	Y->X
		Croatia	0.04	0.02	0.01	0.00	Y->X
		Estonia	0.02	0.01	0.00	0.00	Y->X
		France	0.04	0.02	0.00	0.00	Y->X
		Germany	0.04	0.03	0.00	0.00	Y->X
		Greece	0.02	0.01	0.01	0.28	Y->X
		Netherlands	0.05	0.03	0.00	0.00	Y->X
		Portugal	0.04	0.03	0.00	0.00	Y->X
		Slovakia	0.03	0.01	0.00	0.01	Y->X
		Spain	0.03	0.02	0.00	0.01	Y->X
	aged55to64	Austria	0.04	0.03	0.00	0.00	Y->X
		Belgium	0.02	0.01	0.00	0.04	Y->X
		Bulgaria	0.04	0.03	0.00	0.00	Y->X
		Croatia	0.03	0.01	0.01	0.00	Y->X
		Estonia	0.01	0.00	0.00	0.65	Y->X
		France	0.03	0.02	0.00	0.00	Y->X
		Germany	0.04	0.03	0.00	0.00	Y->X
		Greece	0.03	0.01	0.01	0.09	Y->X
		Netherlands	0.03	0.02	0.00	0.00	Y->X
		Portugal	0.02	0.01	0.00	0.02	Y->X
		Slovakia	0.02	0.01	0.00	0.04	Y->X
		Spain	0.02	0.00	0.00	0.09	Y->X
	aged65+	Austria	0.02	0.01	0.00	0.04	X->Y
		Belgium	0.01	0.00	0.00	0.21	X->Y
		Bulgaria	0.05	0.04	0.00	0.00	X->Y
		Croatia	0.03	0.02	0.01	0.02	X->Y
		Estonia	0.02	0.01	0.00	0.03	X->Y
		France	0.04	0.03	0.00	0.00	X->Y
		Germany	0.05	0.04	0.00	0.00	X->Y
		Greece	0.03	0.02	0.01	0.07	X->Y
		Netherlands	0.02	0.01	0.00	0.02	X->Y
		Portugal	0.03	0.02	0.00	0.00	X->Y
		Slovakia	0.01	0.00	0.00	0.84	X->Y
		Spain	0.02	0.00	0.00	0.11	X->Y

Table 5: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged10to14	aged0to4	Austria	0.05	0.04	0.00	0.00	Y->X
		Belgium	0.01	0.00	0.00	0.27	Y->X
		Bulgaria	0.03	0.02	0.01	0.00	Y->X
		Croatia	0.02	0.01	0.01	0.11	Y->X
		Estonia	0.03	0.02	0.00	0.00	Y->X
		France	0.05	0.04	0.00	0.00	Y->X
		Germany	0.06	0.05	0.00	0.00	Y->X
		Greece	0.01	0.00	0.01	0.82	Y->X
		Netherlands	0.02	0.01	0.00	0.05	Y->X
		Portugal	0.05	0.04	0.00	0.00	Y->X
		Slovakia	0.02	0.01	0.00	0.01	Y->X
		Spain	0.03	0.01	0.00	0.00	Y->X
	aged5to9	Austria	0.03	0.02	0.00	0.00	X->Y
		Belgium	0.02	0.00	0.00	0.19	X->Y
		Bulgaria	0.02	0.01	0.01	0.03	X->Y
		Croatia	0.02	0.01	0.01	0.11	X->Y
		Estonia	0.02	0.01	0.00	0.09	X->Y
		France	0.02	0.01	0.00	0.02	X->Y
		Germany	0.02	0.01	0.00	0.02	X->Y
		Greece	0.01	0.00	0.01	0.77	X->Y
		Netherlands	0.02	0.00	0.00	0.17	X->Y
		Portugal	0.03	0.02	0.00	0.00	X->Y
		Slovakia	0.03	0.02	0.00	0.00	X->Y
		Spain	0.02	0.01	0.00	0.12	X->Y
	aged15to19	Austria	0.06	0.05	0.00	0.00	X->Y
		Belgium	0.01	0.00	0.00	0.53	X->Y
		Bulgaria	0.02	0.00	0.00	0.19	X->Y
		Croatia	0.03	0.02	0.00	0.00	X->Y
		Estonia	0.03	0.01	0.00	0.00	X->Y
		France	0.02	0.01	0.00	0.00	X->Y
		Germany	0.02	0.01	0.00	0.01	X->Y
		Greece	0.01	0.00	0.01	0.73	X->Y
		Netherlands	0.04	0.02	0.00	0.00	X->Y
		Portugal	0.02	0.00	0.00	0.28	X->Y
		Slovakia	0.02	0.01	0.00	0.07	X->Y
		Spain	0.02	0.01	0.00	0.13	X->Y
	aged20to24	Austria	0.03	0.02	0.00	0.01	X->Y
		Belgium	0.02	0.01	0.00	0.03	X->Y
		Bulgaria	0.01	0.00	0.00	0.35	X->Y
		Croatia	0.04	0.02	0.01	0.00	X->Y
		Estonia	0.01	0.00	0.00	0.41	X->Y
		France	0.03	0.02	0.00	0.00	X->Y
		Germany	0.06	0.05	0.00	0.00	X->Y
		Greece	0.03	0.01	0.01	0.11	X->Y
		Netherlands	0.03	0.02	0.00	0.00	X->Y
		Portugal	0.02	0.01	0.00	0.06	X->Y
		Slovakia	0.04	0.03	0.00	0.00	X->Y
		Spain	0.02	0.00	0.00	0.17	X->Y

Table 6: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged10to14	aged25to34	Austria	0.06	0.04	0.00	0.00	X->Y
		Belgium	0.02	0.00	0.00	0.08	X->Y
		Bulgaria	0.01	0.00	0.01	0.39	X->Y
		Croatia	0.04	0.02	0.01	0.00	X->Y
		Estonia	0.01	0.00	0.00	0.70	X->Y
		France	0.03	0.02	0.00	0.00	X->Y
		Germany	0.05	0.04	0.00	0.00	X->Y
		Greece	0.02	0.01	0.01	0.10	X->Y
		Netherlands	0.04	0.03	0.00	0.00	X->Y
		Portugal	0.03	0.01	0.00	0.00	X->Y
		Slovakia	0.03	0.01	0.00	0.01	X->Y
		Spain	0.02	0.00	0.00	0.19	X->Y
	aged35to44	Austria	0.04	0.03	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.01	X->Y
		Bulgaria	0.01	0.00	0.01	0.54	X->Y
		Croatia	0.04	0.02	0.01	0.01	X->Y
		Estonia	0.01	0.00	0.00	0.26	X->Y
		France	0.05	0.04	0.00	0.00	X->Y
		Germany	0.06	0.05	0.00	0.00	X->Y
		Greece	0.02	0.01	0.01	0.25	X->Y
		Netherlands	0.06	0.04	0.00	0.00	X->Y
		Portugal	0.02	0.01	0.00	0.03	X->Y
		Slovakia	0.03	0.02	0.00	0.00	X->Y
		Spain	0.02	0.01	0.00	0.00	X->Y
	aged45to54	Austria	0.04	0.03	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.01	X->Y
		Bulgaria	0.02	0.01	0.01	0.07	X->Y
		Croatia	0.04	0.03	0.01	0.00	X->Y
		Estonia	0.01	0.00	0.00	0.73	X->Y
		France	0.06	0.05	0.00	0.00	X->Y
		Germany	0.06	0.05	0.00	0.00	X->Y
		Greece	0.03	0.01	0.01	0.14	X->Y
		Netherlands	0.04	0.02	0.00	0.00	X->Y
		Portugal	0.04	0.02	0.00	0.00	X->Y
		Slovakia	0.02	0.01	0.00	0.02	X->Y
		Spain	0.02	0.01	0.00	0.07	X->Y
	aged55to64	Austria	0.05	0.03	0.00	0.00	X->Y
		Belgium	0.03	0.02	0.00	0.00	X->Y
		Bulgaria	0.03	0.02	0.01	0.00	X->Y
		Croatia	0.03	0.01	0.00	0.01	X->Y
		Estonia	0.01	0.00	0.00	0.92	X->Y
		France	0.03	0.02	0.00	0.00	X->Y
		Germany	0.06	0.05	0.00	0.00	X->Y
		Greece	0.02	0.01	0.01	0.19	X->Y
		Netherlands	0.04	0.03	0.00	0.00	X->Y
		Portugal	0.04	0.02	0.01	0.00	X->Y
		Slovakia	0.01	0.00	0.00	0.35	X->Y
		Spain	0.01	0.00	0.00	0.63	X->Y
	aged65+	Austria	0.03	0.01	0.00	0.00	X->Y
		Belgium	0.03	0.02	0.00	0.00	X->Y
		Bulgaria	0.03	0.02	0.00	0.00	X->Y
		Croatia	0.04	0.02	0.01	0.00	X->Y
		Estonia	0.01	0.00	0.00	0.55	X->Y
		France	0.04	0.03	0.00	0.00	X->Y
		Germany	0.05	0.04	0.00	0.00	X->Y
		Greece	0.02	0.00	0.01	0.52	X->Y
		Netherlands	0.02	0.01	0.00	0.03	X->Y
		Portugal	0.04	0.03	0.00	0.00	X->Y
		Slovakia	0.01	0.00	0.00	0.91	X->Y
		Spain	0.02	0.00	0.00	0.15	X->Y

Table 7: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged15to19	aged0to4	Austria	0.03	0.02	0.00	0.00	Y->X
		Belgium	0.01	0.00	0.00	0.62	Y->X
		Bulgaria	0.02	0.00	0.01	0.23	Y->X
		Croatia	0.02	0.01	0.01	0.07	Y->X
		Estonia	0.02	0.01	0.00	0.02	Y->X
		France	0.05	0.04	0.00	0.00	Y->X
		Germany	0.05	0.04	0.00	0.00	Y->X
		Greece	0.03	0.02	0.01	0.01	Y->X
		Netherlands	0.02	0.01	0.00	0.02	Y->X
		Portugal	0.05	0.04	0.01	0.00	Y->X
		Slovakia	0.04	0.03	0.00	0.00	Y->X
		Spain	0.04	0.03	0.00	0.00	Y->X
	aged5to9	Austria	0.04	0.03	0.00	0.00	X->Y
		Belgium	0.03	0.02	0.00	0.00	X->Y
		Bulgaria	0.02	0.01	0.00	0.09	X->Y
		Croatia	0.02	0.00	0.01	0.15	X->Y
		Estonia	0.01	0.00	0.00	0.29	X->Y
		France	0.04	0.03	0.00	0.00	X->Y
		Germany	0.01	0.00	0.00	0.96	X->Y
		Greece	0.02	0.01	0.01	0.12	X->Y
		Netherlands	0.02	0.00	0.00	0.12	X->Y
		Portugal	0.03	0.01	0.00	0.03	X->Y
		Slovakia	0.02	0.01	0.00	0.01	X->Y
		Spain	0.03	0.02	0.00	0.00	X->Y
	aged10to14	Austria	0.02	0.01	0.00	0.01	Y->X
		Belgium	0.02	0.00	0.00	0.15	Y->X
		Bulgaria	0.01	0.00	0.01	0.70	Y->X
		Croatia	0.01	0.00	0.01	0.63	Y->X
		Estonia	0.02	0.00	0.00	0.15	Y->X
		France	0.02	0.01	0.00	0.02	Y->X
		Germany	0.00	0.00	0.00	0.99	Y->X
		Greece	0.02	0.00	0.01	0.19	Y->X
		Netherlands	0.02	0.01	0.00	0.04	Y->X
		Portugal	0.01	0.00	0.00	0.78	Y->X
		Slovakia	0.01	0.00	0.00	0.38	Y->X
		Spain	0.02	0.01	0.00	0.07	Y->X
	aged20to24	Austria	0.02	0.01	0.00	0.02	X->Y
		Belgium	0.01	0.00	0.00	0.32	X->Y
		Bulgaria	0.01	0.00	0.01	0.49	X->Y
		Croatia	0.03	0.02	0.01	0.00	X->Y
		Estonia	0.02	0.00	0.00	0.12	X->Y
		France	0.03	0.02	0.00	0.00	X->Y
		Germany	0.04	0.03	0.00	0.00	X->Y
		Greece	0.02	0.00	0.01	0.22	X->Y
		Netherlands	0.02	0.01	0.00	0.05	X->Y
		Portugal	0.02	0.01	0.00	0.07	X->Y
		Slovakia	0.06	0.04	0.00	0.00	X->Y
		Spain	0.01	0.00	0.00	0.83	X->Y

Table 8: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged15to19	aged25to34	Austria	0.04	0.03	0.00	0.00	X->Y
		Belgium	0.01	0.00	0.00	0.36	X->Y
		Bulgaria	0.01	0.00	0.00	0.67	X->Y
		Croatia	0.03	0.02	0.01	0.01	X->Y
		Estonia	0.01	0.00	0.00	0.56	X->Y
		France	0.03	0.02	0.00	0.00	X->Y
		Germany	0.05	0.04	0.00	0.00	X->Y
		Greece	0.02	0.01	0.01	0.21	X->Y
		Netherlands	0.03	0.02	0.00	0.00	X->Y
		Portugal	0.03	0.02	0.00	0.00	X->Y
		Slovakia	0.04	0.03	0.00	0.00	X->Y
		Spain	0.01	0.00	0.00	0.86	X->Y
	aged35to44	Austria	0.03	0.02	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.06	X->Y
		Bulgaria	0.01	0.00	0.00	0.75	X->Y
		Croatia	0.02	0.01	0.01	0.05	X->Y
		Estonia	0.02	0.01	0.00	0.03	X->Y
		France	0.05	0.04	0.00	0.00	X->Y
		Germany	0.05	0.04	0.00	0.00	X->Y
		Greece	0.03	0.02	0.01	0.04	X->Y
		Netherlands	0.02	0.01	0.00	0.04	X->Y
		Portugal	0.02	0.01	0.00	0.07	X->Y
		Slovakia	0.04	0.02	0.00	0.00	X->Y
		Spain	0.01	0.00	0.00	0.57	X->Y
	aged45to54	Austria	0.03	0.01	0.00	0.01	X->Y
		Belgium	0.02	0.00	0.00	0.17	X->Y
		Bulgaria	0.01	0.00	0.00	0.35	X->Y
		Croatia	0.02	0.01	0.00	0.03	X->Y
		Estonia	0.02	0.01	0.00	0.08	X->Y
		France	0.04	0.03	0.00	0.00	X->Y
		Germany	0.04	0.03	0.00	0.00	X->Y
		Greece	0.03	0.02	0.01	0.01	X->Y
		Netherlands	0.04	0.02	0.00	0.00	X->Y
		Portugal	0.03	0.02	0.01	0.00	X->Y
		Slovakia	0.03	0.02	0.00	0.00	X->Y
		Spain	0.01	0.00	0.00	0.42	X->Y
	aged55to64	Austria	0.04	0.03	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.03	X->Y
		Bulgaria	0.02	0.01	0.00	0.13	X->Y
		Croatia	0.02	0.01	0.01	0.09	X->Y
		Estonia	0.01	0.00	0.00	0.28	X->Y
		France	0.02	0.01	0.00	0.00	X->Y
		Germany	0.04	0.03	0.00	0.00	X->Y
		Greece	0.02	0.00	0.01	0.29	X->Y
		Netherlands	0.04	0.03	0.00	0.00	X->Y
		Portugal	0.02	0.01	0.00	0.06	X->Y
		Slovakia	0.02	0.01	0.00	0.01	X->Y
		Spain	0.02	0.00	0.00	0.08	X->Y
	aged65+	Austria	0.01	0.00	0.00	0.34	X->Y
		Belgium	0.03	0.02	0.00	0.00	X->Y
		Bulgaria	0.03	0.02	0.00	0.00	X->Y
		Croatia	0.02	0.00	0.00	0.18	X->Y
		Estonia	0.01	0.00	0.00	0.57	X->Y
		France	0.03	0.02	0.00	0.00	X->Y
		Germany	0.04	0.03	0.00	0.00	X->Y
		Greece	0.02	0.01	0.01	0.21	X->Y
		Netherlands	0.01	0.00	0.00	0.69	X->Y
		Portugal	0.03	0.02	0.01	0.00	X->Y
		Slovakia	0.01	0.00	0.00	0.33	X->Y
		Spain	0.03	0.02	0.00	0.00	X->Y

Table 9: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged20to24	aged0to4	Austria	0.05	0.04	0.00	0.00	Y->X
		Belgium	0.02	0.01	0.00	0.11	Y->X
		Bulgaria	0.02	0.01	0.00	0.09	Y->X
		Croatia	0.02	0.01	0.01	0.06	Y->X
		Estonia	0.02	0.01	0.00	0.01	Y->X
		France	0.03	0.02	0.00	0.00	Y->X
		Germany	0.02	0.01	0.00	0.02	Y->X
		Greece	0.03	0.01	0.01	0.06	Y->X
		Netherlands	0.03	0.02	0.00	0.00	Y->X
		Portugal	0.05	0.04	0.00	0.00	Y->X
		Slovakia	0.00	0.00	0.00	0.99	Y->X
		Spain	0.05	0.03	0.00	0.00	Y->X
	aged5to9	Austria	0.02	0.01	0.00	0.06	X->Y
		Belgium	0.04	0.03	0.00	0.00	X->Y
		Bulgaria	0.02	0.01	0.01	0.04	X->Y
		Croatia	0.02	0.00	0.01	0.12	X->Y
		Estonia	0.02	0.00	0.00	0.19	X->Y
		France	0.03	0.01	0.00	0.01	X->Y
		Germany	0.01	0.00	0.00	0.61	X->Y
		Greece	0.03	0.01	0.01	0.03	X->Y
		Netherlands	0.03	0.02	0.00	0.00	X->Y
		Portugal	0.04	0.03	0.01	0.00	X->Y
		Slovakia	0.01	0.00	0.00	0.37	X->Y
		Spain	0.05	0.03	0.00	0.00	X->Y
	aged10to14	Austria	0.03	0.02	0.00	0.00	Y->X
		Belgium	0.03	0.02	0.00	0.00	Y->X
		Bulgaria	0.02	0.00	0.00	0.22	Y->X
		Croatia	0.01	0.00	0.01	0.55	Y->X
		Estonia	0.02	0.01	0.00	0.02	Y->X
		France	0.01	0.00	0.00	0.24	Y->X
		Germany	0.01	0.00	0.00	0.29	Y->X
		Greece	0.02	0.00	0.01	0.26	Y->X
		Netherlands	0.04	0.03	0.00	0.00	Y->X
		Portugal	0.03	0.01	0.01	0.01	Y->X
		Slovakia	0.02	0.00	0.00	0.19	Y->X
		Spain	0.03	0.02	0.00	0.00	Y->X
	aged15to19	Austria	0.07	0.06	0.00	0.00	Y->X
		Belgium	0.03	0.01	0.00	0.01	Y->X
		Bulgaria	0.03	0.01	0.00	0.01	Y->X
		Croatia	0.01	0.00	0.00	0.91	Y->X
		Estonia	0.02	0.01	0.00	0.05	Y->X
		France	0.01	0.00	0.00	0.52	Y->X
		Germany	0.01	0.00	0.00	0.49	Y->X
		Greece	0.02	0.00	0.01	0.35	Y->X
		Netherlands	0.03	0.02	0.00	0.00	Y->X
		Portugal	0.02	0.00	0.01	0.22	Y->X
		Slovakia	0.02	0.01	0.00	0.02	Y->X
		Spain	0.03	0.01	0.00	0.00	Y->X

Table 10: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged20to24	aged25to34	Austria	0.06	0.05	0.00	0.00	X->Y
		Belgium	0.01	0.00	0.00	0.46	X->Y
		Bulgaria	0.01	0.00	0.00	0.40	X->Y
		Croatia	0.01	0.00	0.00	0.38	X->Y
		Estonia	0.03	0.02	0.00	0.00	X->Y
		France	0.01	0.00	0.00	0.17	X->Y
		Germany	0.04	0.03	0.00	0.00	X->Y
		Greece	0.00	0.00	0.01	0.99	X->Y
		Netherlands	0.03	0.02	0.00	0.00	X->Y
		Portugal	0.01	0.00	0.00	0.47	X->Y
		Slovakia	0.02	0.01	0.00	0.05	X->Y
		Spain	0.02	0.01	0.00	0.07	X->Y
	aged35to44	Austria	0.05	0.04	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.02	X->Y
		Bulgaria	0.02	0.01	0.00	0.15	X->Y
		Croatia	0.02	0.01	0.01	0.13	X->Y
		Estonia	0.04	0.03	0.00	0.00	X->Y
		France	0.02	0.01	0.00	0.01	X->Y
		Germany	0.03	0.02	0.00	0.00	X->Y
		Greece	0.02	0.01	0.01	0.15	X->Y
		Netherlands	0.02	0.01	0.00	0.02	X->Y
		Portugal	0.02	0.00	0.00	0.20	X->Y
		Slovakia	0.02	0.01	0.00	0.01	X->Y
		Spain	0.02	0.01	0.00	0.03	X->Y
	aged45to54	Austria	0.04	0.03	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.10	X->Y
		Bulgaria	0.01	0.00	0.00	0.44	X->Y
		Croatia	0.02	0.01	0.01	0.09	X->Y
		Estonia	0.02	0.01	0.00	0.02	X->Y
		France	0.02	0.01	0.00	0.04	X->Y
		Germany	0.01	0.00	0.00	0.22	X->Y
		Greece	0.03	0.02	0.01	0.02	X->Y
		Netherlands	0.02	0.01	0.00	0.01	X->Y
		Portugal	0.02	0.01	0.01	0.07	X->Y
		Slovakia	0.03	0.02	0.00	0.00	X->Y
		Spain	0.02	0.01	0.00	0.07	X->Y
	aged55to64	Austria	0.05	0.04	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.02	X->Y
		Bulgaria	0.02	0.01	0.00	0.13	X->Y
		Croatia	0.02	0.00	0.01	0.27	X->Y
		Estonia	0.03	0.02	0.00	0.00	X->Y
		France	0.01	0.00	0.00	0.51	X->Y
		Germany	0.01	0.00	0.00	0.18	X->Y
		Greece	0.03	0.01	0.01	0.04	X->Y
		Netherlands	0.02	0.01	0.00	0.02	X->Y
		Portugal	0.02	0.00	0.00	0.25	X->Y
		Slovakia	0.02	0.00	0.00	0.21	X->Y
		Spain	0.03	0.01	0.00	0.00	X->Y
	aged65+	Austria	0.03	0.02	0.00	0.00	X->Y
		Belgium	0.03	0.02	0.00	0.00	X->Y
		Bulgaria	0.03	0.02	0.00	0.00	X->Y
		Croatia	0.02	0.00	0.01	0.18	X->Y
		Estonia	0.03	0.02	0.00	0.00	X->Y
		France	0.02	0.01	0.00	0.10	X->Y
		Germany	0.02	0.01	0.00	0.01	X->Y
		Greece	0.02	0.00	0.01	0.42	X->Y
		Netherlands	0.00	0.00	0.00	0.98	X->Y
		Portugal	0.03	0.02	0.01	0.01	X->Y
		Slovakia	0.02	0.01	0.00	0.04	X->Y
		Spain	0.04	0.03	0.00	0.00	X->Y

Table 11: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged25to34	aged0to4	Austria	0.05	0.04	0.00	0.00	Y->X
		Belgium	0.02	0.01	0.00	0.07	Y->X
		Bulgaria	0.02	0.01	0.00	0.10	Y->X
		Croatia	0.01	0.00	0.01	0.38	Y->X
		Estonia	0.03	0.01	0.00	0.00	Y->X
		France	0.03	0.02	0.00	0.00	Y->X
		Germany	0.01	0.00	0.00	0.79	Y->X
		Greece	0.03	0.01	0.01	0.03	Y->X
		Netherlands	0.04	0.02	0.00	0.00	Y->X
		Portugal	0.06	0.05	0.01	0.00	Y->X
		Slovakia	0.01	0.00	0.00	0.71	Y->X
		Spain	0.05	0.04	0.00	0.00	Y->X
	aged5to9	Austria	0.03	0.02	0.00	0.00	X->Y
		Belgium	0.03	0.02	0.00	0.00	X->Y
		Bulgaria	0.01	0.00	0.00	0.33	X->Y
		Croatia	0.01	0.00	0.01	0.32	X->Y
		Estonia	0.02	0.01	0.01	0.03	X->Y
		France	0.03	0.02	0.00	0.00	X->Y
		Germany	0.01	0.00	0.00	0.41	X->Y
		Greece	0.02	0.00	0.01	0.12	X->Y
		Netherlands	0.04	0.02	0.00	0.00	X->Y
		Portugal	0.06	0.05	0.00	0.00	X->Y
		Slovakia	0.02	0.00	0.00	0.14	X->Y
		Spain	0.04	0.03	0.00	0.00	X->Y
	aged10to14	Austria	0.04	0.02	0.00	0.00	Y->X
		Belgium	0.02	0.01	0.00	0.03	Y->X
		Bulgaria	0.01	0.00	0.00	0.24	Y->X
		Croatia	0.02	0.01	0.01	0.10	Y->X
		Estonia	0.02	0.00	0.00	0.12	Y->X
		France	0.01	0.00	0.00	0.33	Y->X
		Germany	0.01	0.00	0.00	0.28	Y->X
		Greece	0.01	0.00	0.01	0.77	Y->X
		Netherlands	0.03	0.02	0.00	0.00	Y->X
		Portugal	0.05	0.04	0.00	0.00	Y->X
		Slovakia	0.02	0.01	0.00	0.03	Y->X
		Spain	0.03	0.01	0.00	0.01	Y->X
	aged15to19	Austria	0.07	0.05	0.00	0.00	Y->X
		Belgium	0.02	0.01	0.00	0.05	Y->X
		Bulgaria	0.03	0.02	0.01	0.01	Y->X
		Croatia	0.02	0.01	0.00	0.06	Y->X
		Estonia	0.03	0.01	0.00	0.00	Y->X
		France	0.01	0.00	0.00	0.41	Y->X
		Germany	0.01	0.00	0.00	0.56	Y->X
		Greece	0.01	0.00	0.01	0.49	Y->X
		Netherlands	0.02	0.01	0.00	0.02	Y->X
		Portugal	0.04	0.03	0.00	0.00	Y->X
		Slovakia	0.02	0.01	0.00	0.06	Y->X
		Spain	0.02	0.01	0.00	0.05	Y->X
	aged20to24	Austria	0.03	0.01	0.00	0.00	Y->X
		Belgium	0.01	0.00	0.00	0.46	Y->X
		Bulgaria	0.02	0.01	0.00	0.07	Y->X
		Croatia	0.02	0.01	0.01	0.10	Y->X
		Estonia	0.01	0.00	0.00	0.82	Y->X
		France	0.01	0.00	0.00	0.23	Y->X
		Germany	0.01	0.00	0.00	0.58	Y->X
		Greece	0.01	0.00	0.01	0.79	Y->X
		Netherlands	0.01	0.00	0.00	0.81	Y->X
		Portugal	0.03	0.01	0.00	0.00	Y->X
		Slovakia	0.03	0.02	0.00	0.01	Y->X
		Spain	0.00	0.00	0.00	0.96	Y->X

Table 12: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged25to34	aged35to44	Austria	0.02	0.01	0.00	0.01	X->Y
		Belgium	0.02	0.00	0.00	0.10	X->Y
		Bulgaria	0.01	0.00	0.00	0.31	X->Y
		Croatia	0.02	0.01	0.01	0.10	X->Y
		Estonia	0.02	0.01	0.00	0.03	X->Y
		France	0.03	0.02	0.00	0.00	X->Y
		Germany	0.01	0.00	0.00	0.90	X->Y
		Greece	0.02	0.01	0.01	0.13	X->Y
		Netherlands	0.01	0.00	0.00	0.34	X->Y
		Portugal	0.02	0.01	0.00	0.06	X->Y
		Slovakia	0.03	0.02	0.00	0.00	X->Y
		Spain	0.02	0.00	0.00	0.19	X->Y
	aged45to54	Austria	0.04	0.03	0.00	0.00	X->Y
		Belgium	0.02	0.00	0.00	0.22	X->Y
		Bulgaria	0.02	0.01	0.00	0.05	X->Y
		Croatia	0.03	0.02	0.01	0.01	X->Y
		Estonia	0.02	0.01	0.00	0.07	X->Y
		France	0.02	0.01	0.00	0.01	X->Y
		Germany	0.01	0.00	0.00	0.64	X->Y
		Greece	0.03	0.01	0.01	0.06	X->Y
		Netherlands	0.02	0.01	0.00	0.02	X->Y
		Portugal	0.04	0.03	0.00	0.00	X->Y
		Slovakia	0.04	0.03	0.00	0.00	X->Y
		Spain	0.02	0.00	0.00	0.22	X->Y
	aged55to64	Austria	0.03	0.02	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.06	X->Y
		Bulgaria	0.02	0.01	0.00	0.03	X->Y
		Croatia	0.03	0.01	0.01	0.03	X->Y
		Estonia	0.02	0.01	0.00	0.08	X->Y
		France	0.01	0.00	0.00	0.36	X->Y
		Germany	0.01	0.00	0.00	0.41	X->Y
		Greece	0.02	0.01	0.01	0.10	X->Y
		Netherlands	0.02	0.01	0.00	0.07	X->Y
		Portugal	0.02	0.01	0.00	0.02	X->Y
		Slovakia	0.03	0.01	0.01	0.03	X->Y
		Spain	0.03	0.01	0.00	0.00	X->Y
	aged65+	Austria	0.03	0.02	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.00	X->Y
		Bulgaria	0.03	0.02	0.00	0.00	X->Y
		Croatia	0.02	0.01	0.01	0.04	X->Y
		Estonia	0.04	0.03	0.00	0.00	X->Y
		France	0.02	0.01	0.00	0.01	X->Y
		Germany	0.02	0.01	0.00	0.01	X->Y
		Greece	0.02	0.01	0.01	0.16	X->Y
		Netherlands	0.01	0.00	0.00	0.87	X->Y
		Portugal	0.04	0.03	0.00	0.00	X->Y
		Slovakia	0.03	0.02	0.00	0.00	X->Y
		Spain	0.03	0.02	0.00	0.00	X->Y

Table 13: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged35to44	aged0to4	Austria	0.04	0.02	0.00	0.00	Y->X
		Belgium	0.01	0.00	0.00	0.51	Y->X
		Bulgaria	0.01	0.00	0.00	0.28	Y->X
		Croatia	0.01	0.00	0.00	0.59	Y->X
		Estonia	0.03	0.02	0.00	0.00	Y->X
		France	0.01	0.00	0.00	0.31	Y->X
		Germany	0.01	0.00	0.00	0.24	Y->X
		Greece	0.02	0.00	0.01	0.26	Y->X
		Netherlands	0.03	0.02	0.00	0.00	Y->X
		Portugal	0.06	0.05	0.00	0.00	Y->X
		Slovakia	0.01	0.00	0.00	0.31	Y->X
		Spain	0.05	0.03	0.00	0.00	Y->X
	aged5to9	Austria	0.03	0.02	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.08	X->Y
		Bulgaria	0.01	0.00	0.00	0.18	X->Y
		Croatia	0.01	0.00	0.00	0.64	X->Y
		Estonia	0.02	0.01	0.00	0.02	X->Y
		France	0.01	0.00	0.00	0.68	X->Y
		Germany	0.01	0.00	0.00	0.38	X->Y
		Greece	0.03	0.01	0.01	0.05	X->Y
		Netherlands	0.03	0.02	0.00	0.00	X->Y
		Portugal	0.04	0.03	0.00	0.00	X->Y
		Slovakia	0.02	0.00	0.00	0.24	X->Y
		Spain	0.04	0.03	0.00	0.00	X->Y
	aged10to14	Austria	0.03	0.01	0.00	0.00	Y->X
		Belgium	0.01	0.00	0.00	0.69	Y->X
		Bulgaria	0.01	0.00	0.00	0.17	Y->X
		Croatia	0.01	0.00	0.00	0.92	Y->X
		Estonia	0.00	0.00	0.00	0.93	Y->X
		France	0.01	0.00	0.00	0.80	Y->X
		Germany	0.01	0.00	0.00	0.27	Y->X
		Greece	0.02	0.00	0.01	0.10	Y->X
		Netherlands	0.03	0.01	0.00	0.00	Y->X
		Portugal	0.04	0.02	0.00	0.00	Y->X
		Slovakia	0.01	0.00	0.00	0.42	Y->X
		Spain	0.03	0.01	0.00	0.00	Y->X
	aged15to19	Austria	0.06	0.04	0.00	0.00	Y->X
		Belgium	0.01	0.00	0.00	0.76	Y->X
		Bulgaria	0.03	0.02	0.00	0.00	Y->X
		Croatia	0.01	0.00	0.00	0.94	Y->X
		Estonia	0.01	0.00	0.00	0.32	Y->X
		France	0.01	0.00	0.00	0.75	Y->X
		Germany	0.01	0.00	0.00	0.39	Y->X
		Greece	0.02	0.00	0.01	0.18	Y->X
		Netherlands	0.02	0.01	0.00	0.02	Y->X
		Portugal	0.03	0.01	0.00	0.01	Y->X
		Slovakia	0.01	0.00	0.00	0.41	Y->X
		Spain	0.01	0.00	0.00	0.21	Y->X
	aged20to24	Austria	0.03	0.02	0.00	0.00	Y->X
		Belgium	0.01	0.00	0.00	0.76	Y->X
		Bulgaria	0.02	0.01	0.00	0.02	Y->X
		Croatia	0.02	0.01	0.00	0.06	Y->X
		Estonia	0.01	0.00	0.00	0.20	Y->X
		France	0.01	0.00	0.00	0.52	Y->X
		Germany	0.01	0.00	0.00	0.61	Y->X
		Greece	0.02	0.01	0.01	0.07	Y->X
		Netherlands	0.03	0.01	0.00	0.00	Y->X
		Portugal	0.02	0.01	0.00	0.03	Y->X
		Slovakia	0.03	0.02	0.00	0.00	Y->X
		Spain	0.01	0.00	0.00	0.62	Y->X

Table 14: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged35to44	aged25to34	Austria	0.02	0.01	0.00	0.01	Y->X
		Belgium	0.01	0.00	0.00	0.89	Y->X
		Bulgaria	0.02	0.00	0.00	0.08	Y->X
		Croatia	0.01	0.00	0.00	0.88	Y->X
		Estonia	0.02	0.00	0.00	0.13	Y->X
		France	0.01	0.00	0.00	0.80	Y->X
		Germany	0.01	0.00	0.00	0.16	Y->X
		Greece	0.02	0.00	0.01	0.14	Y->X
		Netherlands	0.06	0.05	0.00	0.00	Y->X
		Portugal	0.02	0.00	0.00	0.22	Y->X
		Slovakia	0.03	0.01	0.00	0.00	Y->X
		Spain	0.01	0.00	0.00	0.33	Y->X
	aged45to54	Austria	0.03	0.02	0.00	0.00	X->Y
		Belgium	0.00	0.00	0.00	0.98	X->Y
		Bulgaria	0.02	0.01	0.00	0.01	X->Y
		Croatia	0.02	0.00	0.01	0.35	X->Y
		Estonia	0.01	0.00	0.00	0.19	X->Y
		France	0.02	0.00	0.00	0.15	X->Y
		Germany	0.01	0.00	0.00	0.61	X->Y
		Greece	0.00	0.00	0.01	0.99	X->Y
		Netherlands	0.02	0.01	0.00	0.02	X->Y
		Portugal	0.03	0.02	0.00	0.00	X->Y
		Slovakia	0.04	0.03	0.00	0.00	X->Y
		Spain	0.01	0.00	0.00	0.60	X->Y
	aged55to64	Austria	0.02	0.01	0.00	0.02	X->Y
		Belgium	0.01	0.00	0.00	0.40	X->Y
		Bulgaria	0.02	0.01	0.00	0.03	X->Y
		Croatia	0.01	0.00	0.00	0.62	X->Y
		Estonia	0.02	0.01	0.00	0.06	X->Y
		France	0.01	0.00	0.00	0.36	X->Y
		Germany	0.01	0.00	0.00	0.40	X->Y
		Greece	0.01	0.00	0.01	0.74	X->Y
		Netherlands	0.02	0.01	0.00	0.02	X->Y
		Portugal	0.02	0.00	0.00	0.22	X->Y
		Slovakia	0.02	0.01	0.00	0.08	X->Y
		Spain	0.02	0.00	0.00	0.10	X->Y
	aged65+	Austria	0.04	0.03	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.02	X->Y
		Bulgaria	0.04	0.03	0.00	0.00	X->Y
		Croatia	0.02	0.00	0.01	0.27	X->Y
		Estonia	0.03	0.02	0.00	0.00	X->Y
		France	0.03	0.02	0.00	0.00	X->Y
		Germany	0.03	0.02	0.00	0.00	X->Y
		Greece	0.02	0.01	0.01	0.05	X->Y
		Netherlands	0.03	0.02	0.00	0.00	X->Y
		Portugal	0.04	0.03	0.00	0.00	X->Y
		Slovakia	0.02	0.01	0.00	0.02	X->Y
		Spain	0.03	0.02	0.00	0.00	X->Y

Table 15: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged45to54	aged0to4	Austria	0.04	0.03	0.00	0.00	Y->X
		Belgium	0.01	0.00	0.00	0.66	Y->X
		Bulgaria	0.01	0.00	0.00	0.14	Y->X
		Croatia	0.01	0.00	0.01	0.33	Y->X
		Estonia	0.01	0.00	0.00	0.35	Y->X
		France	0.02	0.01	0.00	0.01	Y->X
		Germany	0.02	0.01	0.00	0.01	Y->X
		Greece	0.02	0.00	0.01	0.16	Y->X
		Netherlands	0.04	0.03	0.00	0.00	Y->X
		Portugal	0.06	0.04	0.01	0.00	Y->X
		Slovakia	0.01	0.00	0.00	0.63	Y->X
		Spain	0.05	0.04	0.00	0.00	Y->X
	aged5to9	Austria	0.02	0.01	0.00	0.03	X->Y
		Belgium	0.02	0.01	0.00	0.05	X->Y
		Bulgaria	0.02	0.01	0.00	0.01	X->Y
		Croatia	0.01	0.00	0.01	0.51	X->Y
		Estonia	0.01	0.00	0.00	0.37	X->Y
		France	0.02	0.00	0.00	0.18	X->Y
		Germany	0.01	0.00	0.00	0.86	X->Y
		Greece	0.03	0.01	0.01	0.02	X->Y
		Netherlands	0.03	0.02	0.00	0.00	X->Y
		Portugal	0.05	0.04	0.00	0.00	X->Y
		Slovakia	0.02	0.00	0.00	0.13	X->Y
		Spain	0.04	0.03	0.00	0.00	X->Y
	aged10to14	Austria	0.03	0.02	0.00	0.00	Y->X
		Belgium	0.01	0.00	0.00	0.33	Y->X
		Bulgaria	0.02	0.01	0.00	0.02	Y->X
		Croatia	0.01	0.00	0.01	0.89	Y->X
		Estonia	0.00	0.00	0.00	0.94	Y->X
		France	0.01	0.00	0.00	0.52	Y->X
		Germany	0.01	0.00	0.00	0.64	Y->X
		Greece	0.03	0.01	0.01	0.01	Y->X
		Netherlands	0.03	0.01	0.00	0.01	Y->X
		Portugal	0.04	0.02	0.00	0.00	Y->X
		Slovakia	0.01	0.00	0.00	0.85	Y->X
		Spain	0.03	0.02	0.00	0.00	Y->X
	aged15to19	Austria	0.05	0.04	0.00	0.00	Y->X
		Belgium	0.01	0.00	0.00	0.86	Y->X
		Bulgaria	0.03	0.01	0.00	0.00	Y->X
		Croatia	0.01	0.00	0.01	0.92	Y->X
		Estonia	0.01	0.00	0.00	0.35	Y->X
		France	0.00	0.00	0.00	1.00	Y->X
		Germany	0.01	0.00	0.00	0.79	Y->X
		Greece	0.03	0.01	0.01	0.01	Y->X
		Netherlands	0.02	0.01	0.00	0.02	Y->X
		Portugal	0.04	0.02	0.01	0.00	Y->X
		Slovakia	0.01	0.00	0.00	0.57	Y->X
		Spain	0.02	0.01	0.00	0.00	Y->X
	aged20to24	Austria	0.01	0.00	0.00	0.62	Y->X
		Belgium	0.01	0.00	0.00	0.89	Y->X
		Bulgaria	0.01	0.00	0.00	0.18	Y->X
		Croatia	0.02	0.00	0.01	0.25	Y->X
		Estonia	0.01	0.00	0.00	0.30	Y->X
		France	0.02	0.01	0.00	0.10	Y->X
		Germany	0.01	0.00	0.00	0.59	Y->X
		Greece	0.03	0.01	0.01	0.03	Y->X
		Netherlands	0.03	0.01	0.00	0.00	Y->X
		Portugal	0.01	0.00	0.00	0.55	Y->X
		Slovakia	0.02	0.01	0.00	0.01	Y->X
		Spain	0.02	0.00	0.00	0.21	Y->X

Table 16: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged45to54	aged25to34	Austria	0.02	0.00	0.00	0.11	Y->X
		Belgium	0.01	0.00	0.00	0.93	Y->X
		Bulgaria	0.02	0.01	0.00	0.01	Y->X
		Croatia	0.01	0.00	0.01	0.85	Y->X
		Estonia	0.02	0.01	0.00	0.04	Y->X
		France	0.01	0.00	0.00	0.65	Y->X
		Germany	0.04	0.03	0.00	0.00	Y->X
		Greece	0.03	0.01	0.01	0.02	Y->X
		Netherlands	0.05	0.03	0.00	0.00	Y->X
		Portugal	0.02	0.01	0.01	0.03	Y->X
		Slovakia	0.03	0.02	0.00	0.00	Y->X
		Spain	0.03	0.01	0.00	0.01	Y->X
	aged35to44	Austria	0.02	0.01	0.00	0.02	Y->X
		Belgium	0.01	0.00	0.00	0.56	Y->X
		Bulgaria	0.01	0.00	0.00	0.18	Y->X
		Croatia	0.01	0.00	0.00	0.94	Y->X
		Estonia	0.01	0.00	0.00	0.83	Y->X
		France	0.01	0.00	0.00	0.35	Y->X
		Germany	0.03	0.02	0.00	0.00	Y->X
		Greece	0.01	0.00	0.01	0.47	Y->X
		Netherlands	0.03	0.02	0.00	0.00	Y->X
		Portugal	0.02	0.01	0.00	0.03	Y->X
		Slovakia	0.04	0.02	0.00	0.00	Y->X
		Spain	0.02	0.01	0.00	0.01	Y->X
	aged55to64	Austria	0.02	0.01	0.00	0.05	X->Y
		Belgium	0.02	0.01	0.00	0.10	X->Y
		Bulgaria	0.01	0.00	0.00	0.69	X->Y
		Croatia	0.00	0.00	0.00	0.97	X->Y
		Estonia	0.01	0.00	0.00	0.52	X->Y
		France	0.01	0.00	0.00	0.56	X->Y
		Germany	0.01	0.00	0.00	0.86	X->Y
		Greece	0.01	0.00	0.01	0.80	X->Y
		Netherlands	0.02	0.01	0.00	0.05	X->Y
		Portugal	0.02	0.00	0.00	0.13	X->Y
		Slovakia	0.01	0.00	0.00	0.84	X->Y
		Spain	0.02	0.01	0.00	0.08	X->Y
	aged65+	Austria	0.04	0.02	0.00	0.00	X->Y
		Belgium	0.02	0.01	0.00	0.03	X->Y
		Bulgaria	0.03	0.02	0.00	0.00	X->Y
		Croatia	0.01	0.00	0.01	0.75	X->Y
		Estonia	0.02	0.01	0.00	0.00	X->Y
		France	0.03	0.02	0.00	0.00	X->Y
		Germany	0.03	0.02	0.00	0.00	X->Y
		Greece	0.02	0.01	0.01	0.06	X->Y
		Netherlands	0.02	0.01	0.00	0.03	X->Y
		Portugal	0.04	0.02	0.00	0.00	X->Y
		Slovakia	0.01	0.00	0.00	0.71	X->Y
		Spain	0.04	0.02	0.00	0.00	X->Y

Table 17: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged55to64	aged0to4	Austria	0.03	0.02	0.00	0.00	Y->X
		Belgium	0.02	0.01	0.00	0.03	Y->X
		Bulgaria	0.01	0.00	0.00	0.46	Y->X
		Croatia	0.02	0.01	0.01	0.04	Y->X
		Estonia	0.02	0.01	0.00	0.04	Y->X
		France	0.02	0.01	0.00	0.01	Y->X
		Germany	0.02	0.01	0.00	0.02	Y->X
		Greece	0.03	0.01	0.01	0.02	Y->X
		Netherlands	0.03	0.02	0.00	0.00	Y->X
		Portugal	0.05	0.04	0.00	0.00	Y->X
		Slovakia	0.01	0.00	0.00	0.61	Y->X
		Spain	0.04	0.03	0.00	0.00	Y->X
	aged5to9	Austria	0.02	0.01	0.00	0.04	X->Y
		Belgium	0.02	0.01	0.00	0.07	X->Y
		Bulgaria	0.02	0.00	0.00	0.07	X->Y
		Croatia	0.02	0.00	0.01	0.26	X->Y
		Estonia	0.01	0.00	0.00	0.67	X->Y
		France	0.01	0.00	0.00	0.22	X->Y
		Germany	0.01	0.00	0.00	0.38	X->Y
		Greece	0.03	0.01	0.01	0.04	X->Y
		Netherlands	0.03	0.02	0.00	0.00	X->Y
		Portugal	0.05	0.03	0.00	0.00	X->Y
		Slovakia	0.01	0.00	0.00	0.56	X->Y
		Spain	0.04	0.03	0.00	0.00	X->Y
	aged10to14	Austria	0.02	0.01	0.00	0.08	Y->X
		Belgium	0.01	0.00	0.00	0.17	Y->X
		Bulgaria	0.02	0.00	0.00	0.08	Y->X
		Croatia	0.01	0.00	0.00	0.50	Y->X
		Estonia	0.01	0.00	0.00	0.86	Y->X
		France	0.01	0.00	0.00	0.59	Y->X
		Germany	0.01	0.00	0.00	0.19	Y->X
		Greece	0.03	0.02	0.01	0.01	Y->X
		Netherlands	0.05	0.04	0.00	0.00	Y->X
		Portugal	0.03	0.02	0.01	0.00	Y->X
		Slovakia	0.01	0.00	0.00	0.94	Y->X
		Spain	0.03	0.01	0.00	0.01	Y->X
	aged15to19	Austria	0.06	0.04	0.00	0.00	Y->X
		Belgium	0.01	0.00	0.00	0.35	Y->X
		Bulgaria	0.02	0.01	0.00	0.03	Y->X
		Croatia	0.01	0.00	0.00	0.36	Y->X
		Estonia	0.01	0.00	0.00	0.38	Y->X
		France	0.01	0.00	0.00	0.72	Y->X
		Germany	0.01	0.00	0.00	0.38	Y->X
		Greece	0.03	0.02	0.01	0.00	Y->X
		Netherlands	0.04	0.03	0.00	0.00	Y->X
		Portugal	0.03	0.01	0.00	0.01	Y->X
		Slovakia	0.01	0.00	0.00	0.65	Y->X
		Spain	0.03	0.02	0.00	0.00	Y->X
	aged20to24	Austria	0.02	0.01	0.00	0.01	Y->X
		Belgium	0.01	0.00	0.00	0.96	Y->X
		Bulgaria	0.02	0.01	0.00	0.01	Y->X
		Croatia	0.02	0.01	0.01	0.03	Y->X
		Estonia	0.02	0.00	0.00	0.08	Y->X
		France	0.02	0.01	0.00	0.01	Y->X
		Germany	0.01	0.00	0.00	0.71	Y->X
		Greece	0.03	0.01	0.01	0.01	Y->X
		Netherlands	0.01	0.00	0.00	0.49	Y->X
		Portugal	0.01	0.00	0.00	0.89	Y->X
		Slovakia	0.02	0.01	0.00	0.03	Y->X
		Spain	0.03	0.02	0.00	0.00	Y->X

Table 18: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged55to64	aged25to34	Austria	0.01	0.00	0.00	0.46	Y->X
		Belgium	0.01	0.00	0.00	0.95	Y->X
		Bulgaria	0.02	0.01	0.00	0.01	Y->X
		Croatia	0.02	0.00	0.00	0.17	Y->X
		Estonia	0.01	0.00	0.00	0.27	Y->X
		France	0.02	0.01	0.00	0.08	Y->X
		Germany	0.04	0.02	0.00	0.00	Y->X
		Greece	0.03	0.01	0.01	0.01	Y->X
		Netherlands	0.06	0.05	0.00	0.00	Y->X
		Portugal	0.01	0.00	0.00	0.84	Y->X
		Slovakia	0.02	0.01	0.00	0.04	Y->X
		Spain	0.04	0.03	0.00	0.00	Y->X
	aged35to44	Austria	0.02	0.01	0.00	0.09	Y->X
		Belgium	0.01	0.00	0.00	0.38	Y->X
		Bulgaria	0.02	0.01	0.00	0.05	Y->X
		Croatia	0.03	0.01	0.01	0.00	Y->X
		Estonia	0.01	0.00	0.00	0.64	Y->X
		France	0.02	0.01	0.00	0.07	Y->X
		Germany	0.03	0.01	0.00	0.00	Y->X
		Greece	0.02	0.00	0.01	0.24	Y->X
		Netherlands	0.04	0.03	0.00	0.00	Y->X
		Portugal	0.02	0.01	0.00	0.10	Y->X
		Slovakia	0.02	0.00	0.00	0.17	Y->X
		Spain	0.04	0.03	0.00	0.00	Y->X
	aged45to54	Austria	0.02	0.01	0.00	0.05	Y->X
		Belgium	0.01	0.00	0.00	0.55	Y->X
		Bulgaria	0.01	0.00	0.00	0.69	Y->X
		Croatia	0.03	0.02	0.01	0.01	Y->X
		Estonia	0.01	0.00	0.00	0.38	Y->X
		France	0.02	0.01	0.00	0.03	Y->X
		Germany	0.00	0.00	0.00	1.00	Y->X
		Greece	0.01	0.00	0.01	0.74	Y->X
		Netherlands	0.03	0.02	0.00	0.00	Y->X
		Portugal	0.02	0.00	0.00	0.22	Y->X
		Slovakia	0.01	0.00	0.00	0.33	Y->X
		Spain	0.03	0.02	0.00	0.00	Y->X
	aged65+	Austria	0.02	0.00	0.00	0.16	X->Y
		Belgium	0.02	0.01	0.00	0.09	X->Y
		Bulgaria	0.03	0.02	0.00	0.00	X->Y
		Croatia	0.03	0.02	0.01	0.00	X->Y
		Estonia	0.03	0.02	0.00	0.00	X->Y
		France	0.04	0.03	0.00	0.00	X->Y
		Germany	0.03	0.02	0.00	0.00	X->Y
		Greece	0.01	0.00	0.01	0.37	X->Y
		Netherlands	0.03	0.02	0.00	0.00	X->Y
		Portugal	0.05	0.03	0.00	0.00	X->Y
		Slovakia	0.02	0.01	0.00	0.15	X->Y
		Spain	0.03	0.02	0.00	0.00	X->Y

Table 19: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged65+	aged0to4	Austria	0.02	0.01	0.00	0.03	Y->X
		Belgium	0.02	0.00	0.00	0.11	Y->X
		Bulgaria	0.01	0.00	0.00	0.36	Y->X
		Croatia	0.01	0.00	0.01	0.49	Y->X
		Estonia	0.03	0.01	0.00	0.02	Y->X
		France	0.01	0.00	0.00	0.25	Y->X
		Germany	0.03	0.02	0.00	0.00	Y->X
		Greece	0.02	0.00	0.01	0.10	Y->X
		Netherlands	0.02	0.01	0.00	0.00	Y->X
		Portugal	0.03	0.02	0.00	0.00	Y->X
		Slovakia	0.02	0.01	0.00	0.05	Y->X
		Spain	0.03	0.02	0.00	0.00	Y->X
	aged5to9	Austria	0.01	0.00	0.00	0.97	Y->X
		Belgium	0.02	0.01	0.00	0.03	Y->X
		Bulgaria	0.02	0.00	0.00	0.07	Y->X
		Croatia	0.01	0.00	0.01	0.47	Y->X
		Estonia	0.01	0.00	0.00	0.30	Y->X
		France	0.01	0.00	0.00	0.25	Y->X
		Germany	0.02	0.01	0.00	0.01	Y->X
		Greece	0.02	0.00	0.01	0.25	Y->X
		Netherlands	0.02	0.00	0.00	0.06	Y->X
		Portugal	0.02	0.01	0.00	0.02	Y->X
		Slovakia	0.02	0.01	0.00	0.06	Y->X
		Spain	0.02	0.01	0.00	0.01	Y->X
	aged10to14	Austria	0.01	0.00	0.00	0.41	Y->X
		Belgium	0.02	0.00	0.00	0.11	Y->X
		Bulgaria	0.02	0.00	0.00	0.10	Y->X
		Croatia	0.01	0.00	0.00	0.91	Y->X
		Estonia	0.01	0.00	0.00	0.81	Y->X
		France	0.01	0.00	0.00	0.47	Y->X
		Germany	0.02	0.01	0.00	0.03	Y->X
		Greece	0.02	0.01	0.01	0.09	Y->X
		Netherlands	0.04	0.02	0.00	0.00	Y->X
		Portugal	0.01	0.00	0.00	0.31	Y->X
		Slovakia	0.01	0.00	0.00	0.81	Y->X
		Spain	0.02	0.01	0.00	0.07	Y->X
	aged15to19	Austria	0.02	0.01	0.00	0.02	Y->X
		Belgium	0.01	0.00	0.00	0.38	Y->X
		Bulgaria	0.02	0.01	0.00	0.02	Y->X
		Croatia	0.01	0.00	0.01	0.94	Y->X
		Estonia	0.01	0.00	0.00	0.30	Y->X
		France	0.01	0.00	0.00	0.63	Y->X
		Germany	0.02	0.01	0.00	0.01	Y->X
		Greece	0.02	0.00	0.01	0.31	Y->X
		Netherlands	0.01	0.00	0.00	0.16	Y->X
		Portugal	0.01	0.00	0.00	0.40	Y->X
		Slovakia	0.01	0.00	0.00	0.31	Y->X
		Spain	0.03	0.01	0.00	0.00	Y->X
	aged20to24	Austria	0.01	0.00	0.00	0.65	Y->X
		Belgium	0.01	0.00	0.00	0.79	Y->X
		Bulgaria	0.02	0.00	0.00	0.09	Y->X
		Croatia	0.01	0.00	0.00	0.33	Y->X
		Estonia	0.03	0.02	0.00	0.00	Y->X
		France	0.02	0.01	0.00	0.11	Y->X
		Germany	0.02	0.01	0.00	0.01	Y->X
		Greece	0.01	0.00	0.01	0.71	Y->X
		Netherlands	0.02	0.01	0.00	0.03	Y->X
		Portugal	0.01	0.00	0.00	0.95	Y->X
		Slovakia	0.04	0.03	0.00	0.00	Y->X
		Spain	0.03	0.02	0.00	0.00	Y->X

Table 20: Significance of Transfer Entropy coefficients

X	Y	country	te	ete	se	p-value	direction
aged65+	aged25to34	Austria	0.01	0.00	0.00	0.58	Y->X
		Belgium	0.00	0.00	0.00	0.97	Y->X
		Bulgaria	0.01	0.00	0.01	0.22	Y->X
		Croatia	0.01	0.00	0.01	0.43	Y->X
		Estonia	0.02	0.01	0.00	0.02	Y->X
		France	0.01	0.00	0.00	0.40	Y->X
		Germany	0.06	0.05	0.00	0.00	Y->X
		Greece	0.01	0.00	0.01	0.67	Y->X
		Netherlands	0.03	0.02	0.00	0.00	Y->X
		Portugal	0.01	0.00	0.00	0.65	Y->X
		Slovakia	0.03	0.02	0.00	0.00	Y->X
		Spain	0.04	0.03	0.00	0.00	Y->X
	aged35to44	Austria	0.01	0.00	0.00	0.49	Y->X
		Belgium	0.02	0.01	0.00	0.03	Y->X
		Bulgaria	0.01	0.00	0.00	0.81	Y->X
		Croatia	0.02	0.00	0.00	0.12	Y->X
		Estonia	0.02	0.00	0.00	0.13	Y->X
		France	0.01	0.00	0.00	0.12	Y->X
		Germany	0.04	0.03	0.00	0.00	Y->X
		Greece	0.01	0.00	0.01	0.44	Y->X
		Netherlands	0.03	0.02	0.00	0.00	Y->X
		Portugal	0.02	0.00	0.00	0.22	Y->X
		Slovakia	0.02	0.01	0.00	0.02	Y->X
		Spain	0.04	0.02	0.00	0.00	Y->X
	aged45to54	Austria	0.02	0.01	0.00	0.03	Y->X
		Belgium	0.01	0.00	0.00	0.60	Y->X
		Bulgaria	0.00	0.00	0.00	0.96	Y->X
		Croatia	0.02	0.00	0.01	0.24	Y->X
		Estonia	0.03	0.02	0.00	0.01	Y->X
		France	0.02	0.01	0.00	0.06	Y->X
		Germany	0.03	0.02	0.00	0.00	Y->X
		Greece	0.01	0.00	0.01	0.35	Y->X
		Netherlands	0.01	0.00	0.00	0.13	Y->X
		Portugal	0.03	0.01	0.00	0.02	Y->X
		Slovakia	0.02	0.01	0.00	0.01	Y->X
		Spain	0.02	0.01	0.00	0.00	Y->X
	aged55to64	Austria	0.02	0.01	0.00	0.01	Y->X
		Belgium	0.01	0.00	0.00	0.26	Y->X
		Bulgaria	0.00	0.00	0.00	0.89	Y->X
		Croatia	0.01	0.00	0.00	0.68	Y->X
		Estonia	0.03	0.02	0.00	0.00	Y->X
		France	0.01	0.00	0.00	0.63	Y->X
		Germany	0.03	0.02	0.00	0.00	Y->X
		Greece	0.00	0.00	0.01	0.98	Y->X
		Netherlands	0.03	0.02	0.00	0.00	Y->X
		Portugal	0.04	0.03	0.00	0.00	Y->X
		Slovakia	0.03	0.02	0.00	0.00	Y->X
		Spain	0.01	0.00	0.00	0.57	Y->X