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When Gen Xers and Millennials catch up. Religiosity and generational gaps in social altruism

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RELIGIOUS CHANGE AND THE SHAPING OF SOLIDARITY
AND SOCIAL PARTICIPATION IN A TROUBLED EUROPE

FRÉDÉRIC GONTHIER

When Gen Xers and Millennials catch up
Religiosity and generational gaps in social altruism

Supplementary materials

APPENDIX

TAB. 1. Variable and descriptive statistics

Variable (variable and question in the EVS 2008 dataset ¹)	Description	Mean	SD	% (weighted ²)
Solidarity (v290 to v294 – Q84A to Q84E)	To what extent do you feel concerned about the living conditions of...?			
	- Elderly people in (country)	3.92	0.95	
	- Unemployed people in (country)	3.44	1.05	
	- Immigrants in (country)	2.71	1.13	
	- Sick and disabled people in (country)	3.79	0.98	
	- Children in poor families in (country)	3.89	0.95	
	1. Not at all 2. Not so much 3. To a certain extent 4. Much 5. Very much			
Cohorts (cohort, derived from age)	1. Silent Generation (≤ 1945)			21.2
	2. Baby Boomers (1946-1959)			22.5
	3. Generation X (1960-1980)			39.9
	4. Generation Y (> 1980)			16.5
Religious belief (additive index - Q30A to Q30E) Syntax: gen belief = (v119+v120+v121+v122+v123)/5	Do you believe in...?			
	- God	0.72	.40	
	- Life after death	0.45	.49	
	- Hell	0.36	.49	
	- Heaven	0.44	.49	
	- Sin	0.59	.48	
	0. No & DKNA 1. Yes			Min=0 Max=1
Religious denomination (religdenom, v106-Q23a)	Do you belong to a religious denomination?			
	1. (Roman) Catholics			26
	2. Protestants			10.3
	3. Muslims			9.2
	4. Orthodox			22.9
	5. Another religion			3.5
	6. No religion & DKNA			28
Church attendance (religattendance, v109-Q25)	Apart from weddings, funerals and christenings, about how often do you attend religious services these days?			
	1. Never, practically never			33.4
	2. Less often			9
	3. Once a year			7.1
	4. Only on specific holy days			24.2
	5. Once a month			10.4
	6. Once a week			11.8
	7. More than once a week			4.1
Belonging to religious organisations (belongreligorg, v105-Q23)	Do you belong to church or religious organisations?			
	1. Not mentioned			93

¹ Version: 4.0.0, 2016-4-15, [doi:10.4232/1.12458](https://doi.org/10.4232/1.12458).

² The descriptive statistics are based on the data used in the multilevel analysis (N=49826). The weight variable adjusts the sociodemographic structure of the samples to the distribution of gender and age of the universe-population. It also corrects for the sample size of regions in Germany and Belgium.

	2. Mentioned			7
Gender (v302 - Q86)	1. Women 2. Men			52.3 47.7
Age (age)	Year of birth	46.6	17.6	Min=17 Max=90
Educational level (ISCED-code one digit; educ, v336 – Q110)	1. Pre- primary education or no education 2. Primary education or first stage of secondary 3. Lower secondary or second stage 4. (Upper) secondary education 5. Post- secondary non- tertiary education 6. First stage of tertiary education 7. Second stage of tertiary education			3.7 8.8 15.5 43.7 3.9 23.7 .6
Monthly household income (in purchasing power parity) (income-V353mm-Q125)	1. <€150 2. €150-300 3. €300-500 4. €500-1000 5. €1,000-1,500 6. €1,500-2,000 7. €2,000-2,500 8. €2,500-3,000 9. €3,000-5,000 10. €5,000-7,500 11. €7,500-10,000 12. >€10,000			10.5 11.9 16.9 17.2 11.4 8.2 6.9 5.5 7.6 2.8 .9 .5
Economic insecurity (additive index – Q121 & Q123) Syntax: gen ecoinsecurity=(v349+ V351)	Are you yourself gainfully employed at the moment or not? During the last five years, have you experienced a continuous period of unemployment longer than 3 months? During the last five years, have you been dependent on social security at any time? 0. No 1. Yes	0.42	0.73	Min=0 Max=3
Social capital (additive index – Q5aA to Q5aD & Q5aF to Q5aN) Syntax: gen socialcapital=(v10+ +v11+v12+v13+v15+v16+v17+v18 +v19+v20+v21+v22+v23)/13	Do you belong to...? - Social welfare services for elderly, handicapped or deprived people - Education, arts, music or cultural activities - Trade unions - Political parties or groups - Local community action on issues like poverty, employment, housing, racial equality - Third world development or human rights - Conservation, the environment, ecology, animal rights - Professional associations - Youth work (e.g. scouts, guides, youth clubs etc.) - Sports or recreation - Women's groups - Peace movement - Voluntary organisations concerned with health 0. Not mentioned	0.04	0.09	Min=0

	1. Mentioned			Max=1
Human Development Index (HDI)	Countries' scores in 2008 (source: UNDP)	0.82	0.07	Min=0.65 Max=0.95

STATA COMMANDS

Figure 1: sem (socialaltruismcfa -> children,) (socialaltruismcfa -> sick,) (socialaltruismcfa -> elderly,) (socialaltruismcfa -> unemployed,) (socialaltruismcfa -> immigrants,), standardized latent(socialaltruismcfa) cov(e.sick*e.unemployed e.elderly*e.unemployed e.unemployed*e.immigrants) nocaplatent

estat gof, stats(all)

estat mindices

estat eqgof

predict socialaltruismcfaindex, latent

gen socialaltruism=(socialaltruismcfaindex + 2.479185) / (2.479185+ 1.142737)

Figure 2: graph bar socialaltruism , over (country)

Figure 3 – age cohort: margins, over(generation) plot

Figure 3 – age: margins, over(age) plot

Figure 4 – religious belief: margins generation, at(belief=(0 .2 .4 .6 .8 1)) atmeans plot

Figure 4 – church attendance: margins generation, at(religattendance=(0 .1666667 .3333333 .5 .6666667 .8333333 1)) atmeans plot

Model 1: xtmixed socialaltruism , || country : , variance

Model 2: xtmixed socialaltruism ib1.generation c.IDH08, || country : , variance

Model 3: xtmixed socialaltruism ib1.generation age agesquare c.HDI , || country : , variance

Model 4: xtmixed socialaltruism ib1.generation age agesquare gender educ income ecoinsecurity socialcapital c. HDI , || country : , variance

Model 5: xtmixed socialaltruism ib1.generation age agesquare gender educ income ecoinsecurity socialcapital belief religattendance i.religdenom belongreligorg c.HDI , || country : , variance

Model 6: xtmixed socialaltruism ib1.generation age agesquare gender educ income ecoinsecurity
socialcapital belief religattendance i.religdenom belongreligorg i.generation#c.belief c.HDI , ||
country : , variance

Model 7: xtmixed socialaltruism ib1.generation age agesquare gender educ income ecoinsecurity
socialcapital belief religattendance i.religdenom belongreligorg i.generation3#c.religattendance
c.IDH08 , || country : , variance