

SUPPLEMENTARY DATA

for Magun V., Rudnev M. & Schmidt P. Within- And Between-Country Value Diversity in Europe: A Typological Approach // European Sociological Review

Table A1. Estimated probabilities of the respondents' answers conditioned by the class membership (short labels of items listed in Figure 2 are in parentheses).^A

		Growth	Strong Social Focus	Weak Social Focus	Weak Personal Focus	Strong Personal Focus
OPENNESS TO CHANGE						
<i>Self-Direction</i>						
Thinking up new ideas and being creative is important to him. He likes to do things in his own original way. (creative)	Very much like me	0.24	0.33	0.05	0.02	0.33
	Like me	0.41	0.22	0.31	0.43	0.36
	Somewhat like me	0.23	0.18	0.32	0.45	0.20
	A little like me	0.08	0.11	0.18	0.08	0.06
	Not like me	0.03	0.10	0.13	0.02	0.03
	Not like me at all	0.00	0.06	0.01	0.00	0.01
It is important to him to make his own decisions about what he does. He likes to be free and not depend on others. (own decisions)	Very much like me	0.35	0.55	0.10	0.02	0.45
	Like me	0.45	0.19	0.50	0.56	0.35
	Somewhat like me	0.12	0.12	0.27	0.35	0.14
	A little like me	0.05	0.07	0.09	0.06	0.04
	Not like me	0.03	0.05	0.04	0.01	0.02
	Not like me at all	0.00	0.02	0.00	0.00	0.00
<i>Stimulation</i>						
He likes surprises and is always looking for new things to do. He thinks it is important to do lots of different things in life. (new things)	Very much like me	0.15	0.25	0.02	0.01	0.25
	Like me	0.37	0.15	0.17	0.35	0.35
	Somewhat like me	0.26	0.16	0.27	0.47	0.24
	A little like me	0.15	0.15	0.28	0.15	0.11
	Not like me	0.06	0.18	0.23	0.02	0.04
	Not like me at all	0.00	0.11	0.03	0.00	0.01
He looks for adventures and likes to take risks. He wants to have an exciting life. (adventures)	Very much like me	0.05	0.08	0.00	0.01	0.15
	Like me	0.16	0.03	0.02	0.17	0.27
	Somewhat like me	0.20	0.06	0.06	0.45	0.28
	A little like me	0.26	0.10	0.18	0.27	0.18
	Not like me	0.29	0.30	0.55	0.10	0.10
	Not like me at all	0.05	0.43	0.19	0.01	0.03

Hedonism

Having a good time is important to him. He likes to “spoil” himself. (good time)	Very much like me	0.16	0.25	0.02	0.01	0.28
	Like me	0.40	0.13	0.17	0.36	0.39
	Somewhat like me	0.24	0.16	0.28	0.49	0.21
	A little like me	0.12	0.16	0.27	0.12	0.08
	Not like me	0.07	0.18	0.22	0.02	0.03
	Not like me at all	0.00	0.11	0.03	0.00	0.01
He seeks every chance he can to have fun. It is important to him to do things that give him pleasure. (fun)	Very much like me	0.11	0.19	0.01	0.01	0.25
	Like me	0.33	0.10	0.12	0.30	0.36
	Somewhat like me	0.28	0.15	0.23	0.50	0.23
	A little like me	0.19	0.18	0.29	0.17	0.11
	Not like me	0.09	0.20	0.26	0.02	0.04
	Not like me at all	0.01	0.19	0.07	0.00	0.01

CONSERVATION

Security

It is important to him to live in secure surroundings. He avoids anything that might endanger his safety. (secure surroundings)	Very much like me	0.11	0.74	0.30	0.02	0.30
	Like me	0.30	0.15	0.57	0.54	0.33
	Somewhat like me	0.25	0.05	0.09	0.35	0.20
	A little like me	0.18	0.02	0.03	0.08	0.10
	Not like me	0.14	0.02	0.01	0.01	0.05
	Not like me at all	0.02	0.02	0.00	0.00	0.01
It is important to him that the government ensures his safety against all threats. He wants the state to be strong so it can defend its citizens. (safety government)	Very much like me	0.10	0.77	0.30	0.02	0.30
	Like me	0.34	0.14	0.56	0.54	0.35
	Somewhat like me	0.25	0.05	0.11	0.36	0.21
	A little like me	0.18	0.02	0.03	0.07	0.08
	Not like me	0.11	0.01	0.01	0.01	0.04
	Not like me at all	0.02	0.01	0.00	0.00	0.01

Conformity

He believes that people should do what they're told. He thinks people should follow rules at all times, even when no one is watching. (follow rules)	Very much like me	0.03	0.42	0.08	0.01	0.09
	Like me	0.13	0.23	0.49	0.34	0.21
	Somewhat like me	0.18	0.13	0.26	0.46	0.28
	A little like me	0.23	0.08	0.10	0.16	0.21
	Not like me	0.35	0.07	0.06	0.03	0.17
	Not like me at all	0.08	0.06	0.00	0.00	0.04
It is important to him always to behave properly. He wants to avoid doing anything people would say is wrong. (behave properly)	Very much like me	0.06	0.67	0.13	0.01	0.11
	Like me	0.27	0.20	0.63	0.38	0.28
	Somewhat like me	0.27	0.06	0.19	0.51	0.31
	A little like me	0.22	0.03	0.03	0.10	0.19
	Not like me	0.16	0.02	0.01	0.01	0.10
	Not like me at all	0.02	0.02	0.00	0.00	0.02

Tradition

Tradition is important to him. He tries to follow the customs handed down by his religion or his family. (traditions)	Very much like me	0.09	0.61	0.19	0.01	0.15
	Like me	0.24	0.18	0.57	0.40	0.28
	Somewhat like me	0.23	0.10	0.16	0.45	0.27
	A little like me	0.21	0.05	0.05	0.12	0.18
	Not like me	0.17	0.03	0.03	0.02	0.10
	Not like me at all	0.05	0.03	0.00	0.00	0.03
It is important to him to be humble and modest. He tries not to draw attention to himself. (modest)	Very much like me	0.11	0.63	0.11	0.01	0.07
	Like me	0.36	0.19	0.58	0.31	0.17
	Somewhat like me	0.28	0.08	0.20	0.51	0.27
	A little like me	0.16	0.04	0.07	0.14	0.26
	Not like me	0.09	0.03	0.03	0.02	0.18
	Not like me at all	0.01	0.02	0.00	0.00	0.05

SELF-TRANSCENDENCE

Benevolence

It's very important to him to help the people around him. He wants to care for their well-being. (help people)	Very much like me	0.26	0.65	0.15	0.01	0.17
	Like me	0.51	0.21	0.61	0.47	0.36
	Somewhat like me	0.16	0.09	0.18	0.44	0.31
	A little like me	0.05	0.04	0.05	0.07	0.12
	Not like me	0.00	0.01	0.01	0.00	0.04
	Not like me at all	0.01	0.01	0.00	0.00	0.01
It is important to him to be loyal to his friends. He wants to devote himself to people close to him. (friends)	Very much like me	0.39	0.75	0.21	0.02	0.31
	Like me	0.49	0.17	0.64	0.60	0.42
	Somewhat like me	0.08	0.04	0.12	0.33	0.18
	A little like me	0.03	0.02	0.02	0.05	0.06
	Not like me	0.00	0.01	0.00	0.00	0.02
	Not like me at all	0.01	0.01	0.01	0.00	0.01

Universalism

It is important to him to listen to people who are different from him. Even when he disagrees with them, he still wants to understand them. (understand)	Very much like me	0.25	0.58	0.08	0.01	0.13
	Like me	0.54	0.25	0.58	0.43	0.33
	Somewhat like me	0.14	0.10	0.25	0.46	0.33
	A little like me	0.04	0.04	0.06	0.09	0.15
	Not like me	0.01	0.02	0.02	0.01	0.06
	Not like me at all	0.01	0.01	0.01	0.00	0.01
He strongly believes that people should care for nature. Looking after the environment is important to him. (nature)	Very much like me	0.32	0.75	0.22	0.02	0.24
	Like me	0.43	0.15	0.61	0.53	0.36
	Somewhat like me	0.16	0.05	0.13	0.38	0.25
	A little like me	0.07	0.02	0.03	0.07	0.10
	Not like me	0.02	0.01	0.01	0.00	0.04
	Not like me at all	0.00	0.01	0.00	0.00	0.02

He thinks it is important that every person in the world should be treated equally. He believes everyone should have equal opportunities in life. (equally)	Very much like me	0.40	0.71	0.21	0.02	0.24
	Like me	0.44	0.19	0.62	0.56	0.38
	Somewhat like me	0.11	0.05	0.14	0.35	0.23
	A little like me	0.03	0.02	0.02	0.06	0.10
	Not like me	0.02	0.01	0.01	0.01	0.04
	Not like me at all	0.00	0.01	0.00	0.00	0.01

SELF-ENHANCEMENT

Achievement

It's important to him to show his abilities. He wants people to admire what he does. (abilities)	Very much like me	0.05	0.24	0.03	0.01	0.27
	Like me	0.19	0.14	0.26	0.39	0.40
	Somewhat like me	0.26	0.18	0.30	0.46	0.22
	A little like me	0.25	0.15	0.22	0.12	0.08
	Not like me	0.22	0.18	0.18	0.02	0.03
	Not like me at all	0.03	0.11	0.01	0.00	0.01
Being very successful is important to him. He hopes people will recognize his achievements. (success)	Very much like me	0.03	0.23	0.03	0.01	0.28
	Like me	0.19	0.15	0.25	0.38	0.44
	Somewhat like me	0.27	0.16	0.30	0.47	0.19
	A little like me	0.26	0.15	0.24	0.11	0.07
	Not like me	0.22	0.19	0.18	0.02	0.02
	Not like me at all	0.03	0.12	0.01	0.00	0.01

Power

It is important to him to be rich. He wants to have a lot of money and expensive things. (rich)	Very much like me	0.01	0.08	0.01	0.01	0.19
	Like me	0.02	0.06	0.07	0.22	0.30
	Somewhat like me	0.08	0.11	0.17	0.47	0.30
	A little like me	0.22	0.15	0.25	0.22	0.14
	Not like me	0.52	0.35	0.44	0.08	0.06
	Not like me at all	0.15	0.25	0.06	0.00	0.01
It is important to him to get respect from others. He wants people to do what he says. (respect)	Very much like me	0.02	0.38	0.08	0.01	0.19
	Like me	0.13	0.17	0.40	0.37	0.38
	Somewhat like me	0.22	0.15	0.27	0.46	0.26
	A little like me	0.28	0.11	0.14	0.14	0.10
	Not like me	0.32	0.12	0.10	0.02	0.05
	Not like me at all	0.04	0.07	0.01	0.00	0.01

^A The table contains only the wording used in the male version of the questionnaire. Females received versions using the pronouns she and her.

Table A2. The thresholds (regression coefficients) for class membership as dependent variables (parameters of the multinomial logistic regression built on the basis of the LCA model with covariates; the probability of the Weak Personal Focus class membership is the reference group)^A

	Growth	Strong Social Focus	Weak Social Focus	Strong Personal Focus
Gender: Male	0.51*	0.74*	0.57*	-0.16*
Age of respondent (years)	-0.002	0.04*	0.04*	-0.03*
Length of education (years)	0.07*	-0.04*	-0.03*	0.03*
Settlement: Living in a large city (1)/living in a town or rural area (0)	0.000	0.001	0.000	0.000
Respondent's parental family socialization characteristics				
At least one parent completed higher education ^B	0.02*	-0.01*	-0.02*	0.04*
At least one parent was an employer ^B	0.02*	0.004	-0.01*	0.02*
At least one parent was not born in the country ^B	-0.01*	0.03*	0.02*	0.02*
Respondent's country of living (reference group – Ukraine)				
<i>Nordic countries</i>				
Sweden	2.06*	-2.48*	-1.46*	-1.01*
Denmark	2.47*	-1.36*	-0.85*	-0.23
Finland	1.84*	-1.14*	-0.68*	-1.28*
Norway	1.20*	-1.96*	-0.64*	-1.18*
<i>West European countries</i>				
Switzerland	2.84*	-1.03*	-0.45*	-0.39
France	2.74*	0.00	-0.99*	-1.10*
Germany	2.50*	-1.17*	-0.13	-0.53*
Belgium	1.96*	-1.21*	-0.28	-0.76*
Netherlands	1.54*	-1.85*	-0.86*	-1.54*
Ireland	1.08*	-2.86*	-1.47*	-1.55*
United Kingdom	1.57*	-0.71*	-0.12	-0.57*
<i>Mediterranean countries</i>				
Spain	2.12*	-0.06	0.39*	-1.12*
Portugal	0.18	-2.86*	-1.64*	-1.99*
Cyprus	1.00*	-0.62*	0.46*	0.26
Greece	0.22	-1.00*	-0.38*	-0.15
Israel	-0.38	-0.92*	-1.19*	-0.64*
Turkey	-15.00 ^c	-1.80*	-1.26*	-1.69*
<i>Post-Communist countries</i>				
Estonia	1.34*	-1.32*	-0.64*	-0.68*
Slovenia	0.94*	-1.64*	-0.94*	-1.18*

Hungary	0.64*	-0.81*	-0.62*	-0.14
Croatia	0.55*	-0.75*	-0.32	-0.79*
Czech Republic	-0.06	-1.57*	-0.82*	-0.36*
Poland	0.17	-1.27*	0.02	-1.23*
Bulgaria	-0.19	-0.52*	-0.43*	-0.21
Latvia	-0.39	-1.58*	-0.69*	0.40*
Romania	-15.00 ^c	-1.63*	-1.29*	-0.92*
Russia	-2.78*	-0.89*	-0.46*	-0.69*
Slovakia	-3.65	-1.65*	-0.55*	-1.27*

* Significant at $p < 0.05$ level

^A Model fit statistics: LogLikelihood - 232078, AIC 464496, BIC 525058, Sample-adjusted BIC 465445, Number of free parameters = 169.

^B The variable was multiplied by 10 in order to get visible effects' estimates (higher in absolute value than .001)

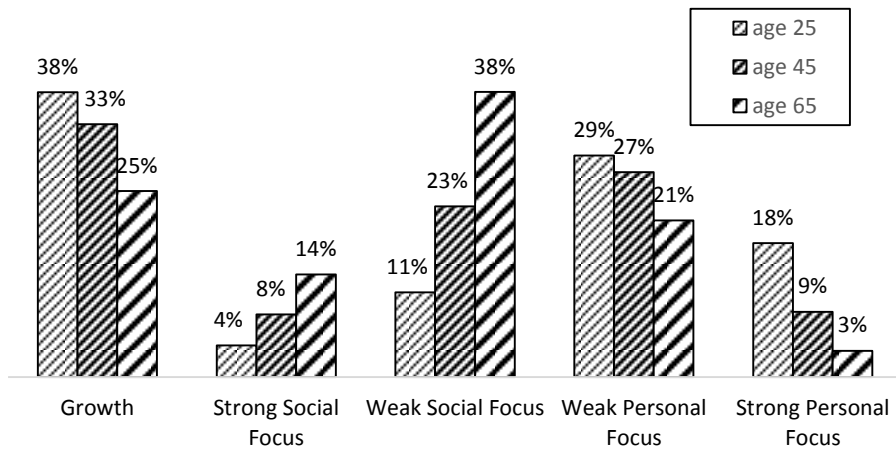
^C Parameters were fixed at -15 since $\exp(-15) \approx 0$.

Figure A1. The medians of within-classes distributions of the respondents' answers (scale ranging from 1—"not like me at all" to 6—"very much like me")

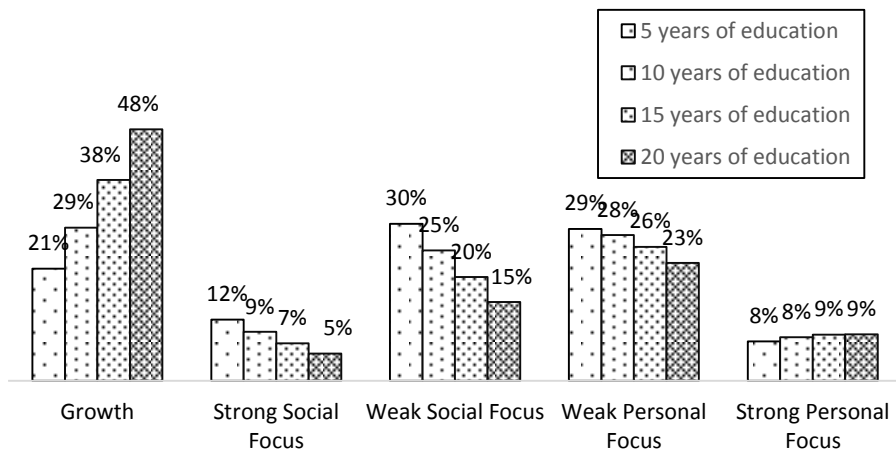


Figure A2. Predicted probabilities of class membership at the different levels of individual predictors. Belgium was selected as a country in which all the five value classes are represented in a fair degree.^A

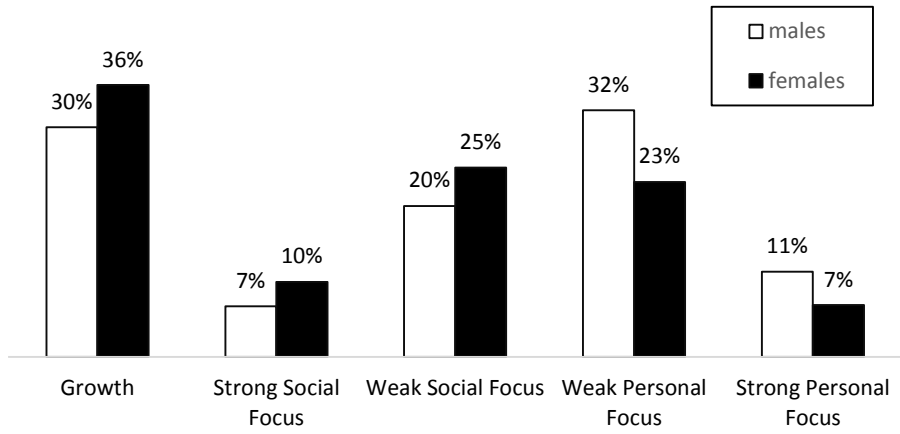
A. Predicted probabilities for different age groups in Belgium, at the sample average of all the other predictors (see table A.2).



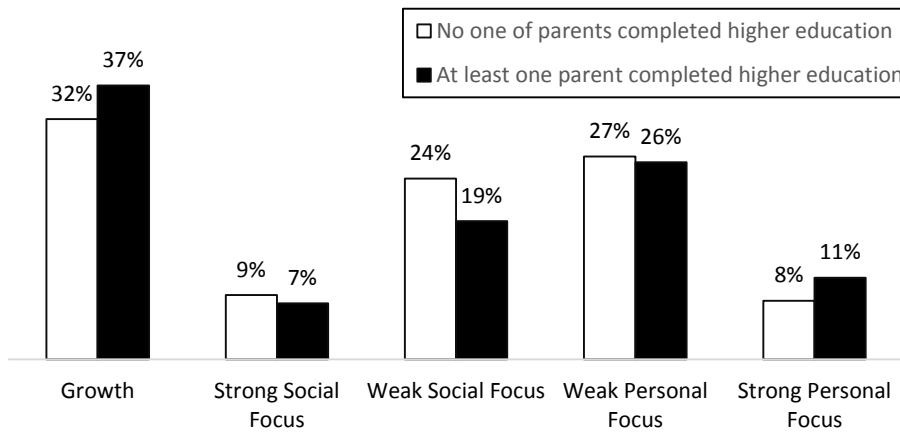
B. Predicted probabilities for different educational level in Belgium, at the sample average of all the other predictors (see table A.2).



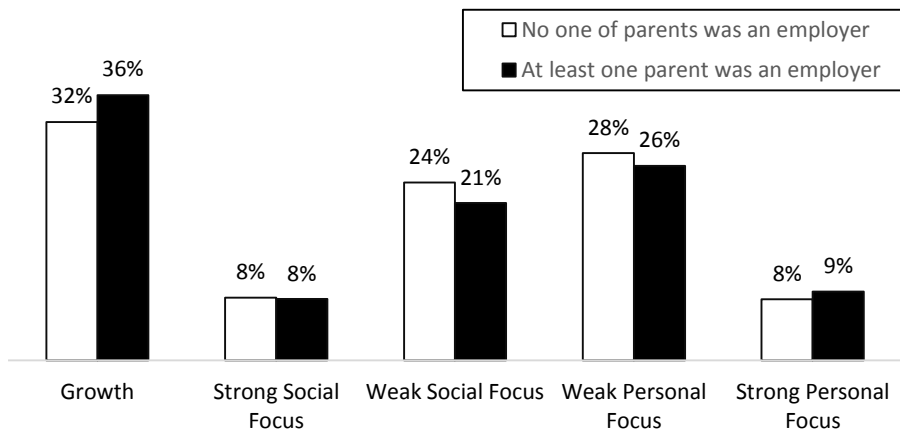
C. Predicted probabilities for different genders in Belgium, at the sample average of all the other predictors (see table A.2).



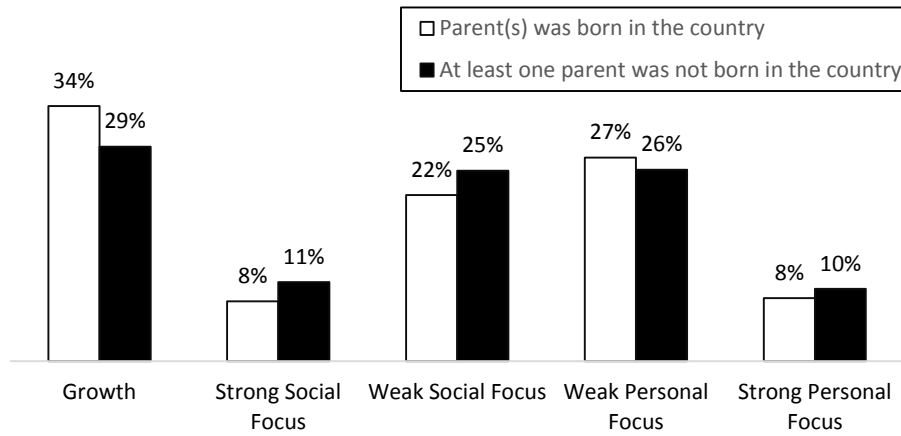
D. Predicted probabilities for parents' education in Belgium, at the sample average of all the other predictors (see table A.2).



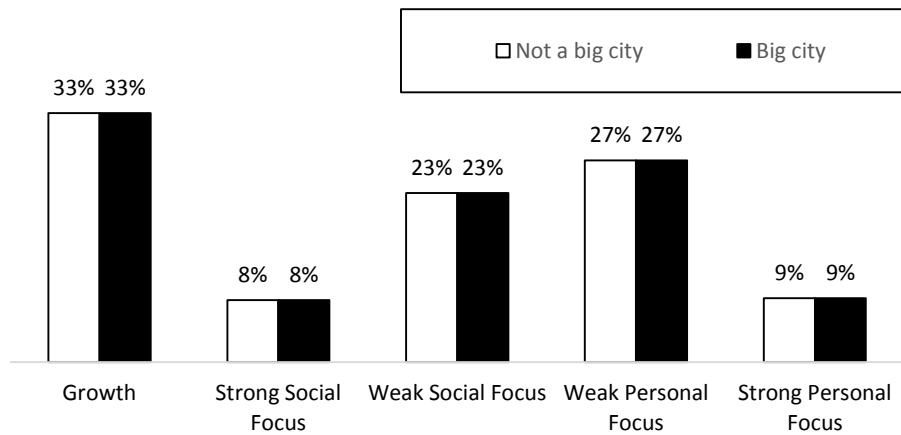
E. Predicted probabilities for parents' employment in Belgium, at the sample average of all the other predictors (see table A.2).



F. Predicted probabilities for parents' immigrant background in Belgium, at the sample average of all the other predictors (see table A.2).



G. Predicted probabilities for type of settlement in Belgium, at the sample average of all the other predictors (see table A.2).



^A Here, percentages denote probabilities. Instead of conventional decimal format of probabilities, we use percentages since these probabilities are estimates of value classes' shares.

Code A1. Mplus code for 5-class solution of latent class analysis of 21 value items with a method factor.

```
TITLE: LCA for 21 Schwartz ESS items;
DATA:
    File is "c:\data\ESS.dat";
    Listwise=off;

VARIABLE:
    Names are v1-v21 idno country pweight dweight sex age
    eduyrs
    bigcity par_edu par_emp par_imm;
    Usevariables = v1-v21;
    Missing are v1-v21 (99);
    Categorical ARE v1-v21;
    Weight = pweight;
    Classes = c(5);
    Auxiliary = idno country dweight sex age eduyrs
    bigcity par_edu par_emp par_imm;

ANALYSIS:
    Type = mixture;
    Estimator = MLR;
    Algorithm=integration;
    Processors=5;
    Starts = 100 20;

MODEL:
%OVERALL%
    f1 by v1-v21@1;
    [f1@0];

%C#1%
    f1;
    [v1$1-v21$5];
    [V8$5@5];
    [V12$5@5];
    [V18$5@5];

%C#2%
    f1;
    [v1$1-v21$5];
    [V8$5@5];
    [V18$5@5];

%C#3%
    f1;
    [v1$1-v21$5];
    [V18$5@5];

%C#4%
    f1;
    [v1$1-v21$5];
```

```

[V12$5@5];

%C#5%
  f1;
  [v1$1-v21$5];

OUTPUT:
  Tech11
  Cinterval;

SAVEDATA:
  File is Lca5classes.dat;
  Format is F20.10;
  Missflag = 999;

```

Code A2. Mplus code for “manual” 3-step approach to the latent class analysis with predictors, where latent classes are dependent variable with assigned uncertainty rates.

TITLE: Covariates in LCA for 21 Schwartz ESS items;

```

DATA:
  File is covariates.dat;
  listwise=on;

```

```

VARIABLE:
  Names are v1-v21 idno country pweight dweight sex age
  eduyrs
  bigcity par_edu par_emp par_imm c_saved;
  Missing are all (999);
  Usevariables = sex age eduyrs bigcity par_edu
  par_emp par_imm c_saved;
  Weight = dweight;
  Classes = cntry (29) c(5);
  Nominal= c_saved;
  Knownclass = cntry (country= 1
  country= 2
  country= 3
  country= 4
  country= 5
  country= 6
  country= 7
  country= 8
  country= 9
  country= 10
  country= 11
  country= 12
  country= 13
  country= 14
  country= 15
  country= 16
  country= 17

```

```
country= 18
country= 19
country= 20
country= 21
country= 22
country= 23
country= 24
country= 25
country= 26
country= 27
country= 28
country= 29);
```

DEFINE:

```
par_edu1 = par_edu*10;
par_emp1 = par_emp1*10;
par_imm1 = par_imm*10;
```

ANALYSIS:

```
Type = mixture;
Starts = 0;
Processors=5;
```

MODEL:

%OVERALL%

```
c ON sex age eduyrs cntry
bigcity par_edu1 par_emp1 par_imm1;
C#1 ON CNTRY#23@-15;
C#1 ON CNTRY#28@-15;
```

MODEL C:

%C#1%

```
[c_saved#1@3.595];
[c_saved#2@1.030];
[c_saved#3@0.891];
[c_saved#4@-0.006];
```

%C#2%

```
[c_saved#1@0.044];
[c_saved#2@3.247];
[c_saved#3@-0.535];
[c_saved#4@-0.307];
```

%C#3%

```
[c_saved#1@0.156];
[c_saved#2@-0.464];
[c_saved#3@2.825];
[c_saved#4@-0.693];
```

%C#4%

```
[c_saved#1@7.698];
[c_saved#2@8.406];
[c_saved#3@7.759];
[c_saved#4@11.418];
```

```
%C#5%  
[c_saved#1@-4.160];  
[c_saved#2@-3.250];  
[c_saved#3@-3.275];  
[c_saved#4@-7.051];
```