

Online appendix:

## Summary of statistics for variables used in multi-level regressions

	Min	Max	Mean	St. deviation	n
<i>Dependent variable:</i>					
Acceptance of income difference (rescaled 0–100, see endnote 1)	0	100	19.2	22.7	52,024
<i>Independent variables at individual level:</i>					
Generational mobility (perceived). Scaled from -9 to 9 (see method section for operationalization)	-9	9	0.17	1.86	52,102
Index for perceived procedural justice. Rescaled 0–100 (see method section and endnote 2)	0	100	53.4	19.1	52,210
Perception of living in a middle-class society (dummy 1=middle-class type society, 0=others)	0	1	0.17	0.38	52,541
<i>Independent variables at aggregated level:</i>					
Generational mobility (perceived). Scaled from -9 to 9 (see method section for operationalization)	-1.05	1.05	0.15	0.47	38
<i>Control variables and the individual level:</i>					
Sex (dummy 1=female, 0=male)	0	1	0.55	0.50	53,124
Age	15	97	46.8	17.1	53,045
Education (in five ISSP standard brackets, 0 (no formal) to 5 (highest university), see ISSP documentation)	0	5	2.83	1.46	52,789
Position in society 1–10 (self-reported)	1	10	5.00	1.82	52,348
<i>Control variables at aggregated level:</i>					
Gini-coefficient (closest at 2009).	0.24	0.70	0.33	0.09	38
GDP per capita 2009 (US\$)	1,832	78,457	26,588	18,781	38
Average annual growth rate 1999-2009	0.55	10.3	3.16	1.77	38
Political rights (Freedom house)	1	7	1.82	1.65	38

## **Variable names in presented multi-level ordered logistic models**

Sex: Sex (1/0)

c\_age: Centered age

c\_v44: Centered position in society 1–10 (self-reported)

c\_degree: Centered education (in five ISSP standard brackets, 0 (no formal) to 5 (highest university),

societype: Perception of living in a middle-class society (dummy)

c\_procedure1: Centered Index for perceived procedural justice

downward: Generational mobility (perceived). Dummy downward (1/0)

Upward: Generational mobility (perceived). Dummy upward (1/0)

c\_mobility1\_mean: Centered generational mobility (perceived; aggregated level)

C\_GDP\_mean: Centered GDP per capita

**Multi-level ordered logistic model II: (Random intercept):**

(State 13 – meologit)

v32ordinal	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
c_v44	.1497476	.0052556	28.49	0.000	.1394469	.1600483
c_age	-.0041766	.0005289	-7.90	0.000	-.0052132	-.00314
c_degree	.0224673	.0063575	3.53	0.000	.0100068	.0349278
sex	-.1005325	.0173296	-5.80	0.000	-.1344978	-.0665671
c_GDP_mean	.000017	4.74e-07	35.89	0.000	.0000161	.000018
/cut1	-.5847402	.0142984	-40.90	0.000	-.6127644	-.5567159
/cut2	1.55879	.0161245	96.67	0.000	1.527187	1.590394
/cut3	2.535731	.0206197	122.98	0.000	2.495317	2.576144
/cut4	4.134085	.0383043	107.93	0.000	4.05901	4.20916
v5						
var(_cons)	.4669464	.014212			.4399059	.495649

LR test vs. ologit regression: chibar2(01) = 4486.49 Prob>=chibar2 = 0.0000

**Multi-level ordered logistic model III: (Random intercept):**

(State 13 – meologit)

v32ordinal	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
c_GDP_mean	.0000301	6.78e-07	44.41	0.000	.0000288	.0000314
sex	-.1222007	.0176001	-6.94	0.000	-.1566962	-.0877052
c_age	-.004397	.0005379	-8.18	0.000	-.0054512	-.0033428
c_v44	.1268467	.0053855	23.55	0.000	.1162914	.1374021
c_degree	.0257926	.0065502	3.94	0.000	.0129544	.0386308
c_mobility1_mean	.2218197	.0202978	10.93	0.000	.1820368	.2616026
societytype	.5222522	.0241376	21.64	0.000	.4749433	.5695611
c_procedure1	.0071661	.0004957	14.46	0.000	.0061945	.0081377
/cut1	-.1930466	.0141343	-13.66	0.000	-.2207494	-.1653439
/cut2	1.980362	.0172891	114.54	0.000	1.946476	2.014248
/cut3	2.97071	.0219985	135.04	0.000	2.927593	3.013826
/cut4	4.574666	.0394952	115.83	0.000	4.497257	4.652076
v5						
var(_cons)	.3937348	.0129325			.3691861	.4199157

**Multi-level ordered logistic model IV: (Random intercept):**

(State 13 – meologit)

v32ordinal	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
c_GDP_mean	.00003	6.80e-07	44.04	0.000	.0000286	.0000313
sex	-.1230985	.0176076	-6.99	0.000	-.1576088	-.0885882
c_age	-.0041742	.0005424	-7.70	0.000	-.0052373	-.0031112
c_v44	.1279764	.0056578	22.62	0.000	.1168873	.1390654
c_degree	.0272517	.0065634	4.15	0.000	.0143877	.0401158
c_mobility1_mean	.2295356	.0206832	11.10	0.000	.1889972	.2700739
societytype	.5214166	.0241417	21.60	0.000	.4740997	.5687334
c_procedure1	.0071291	.0004959	14.38	0.000	.0061571	.0081011
downward	-.0840614	.0232682	-3.61	0.000	-.1296663	-.0384566
upward	-.0896725	.0207845	-4.31	0.000	-.1304094	-.0489357
/cut1	-.2483884	.0182187	-13.63	0.000	-.2840963	-.2126804
/cut2	1.925641	.0206501	93.25	0.000	1.885168	1.966115
/cut3	2.916033	.0247159	117.98	0.000	2.86759	2.964475
/cut4	4.519861	.0410739	110.04	0.000	4.439358	4.600365
v5						
var(_cons)	.3905966	.0129036			.3661073	.4167239

**Multi-level ordered logistic model V (Random slope):**

(State 13 – meologit)

v32ordinal	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
c_GDP_mean	-.0000263	8.54e-07	-30.83	0.000	-.000028	-.0000246
sex	-.121432	.0176187	-6.89	0.000	-.155964	-.0869001
c_age	-.0046093	.0005449	-8.46	0.000	-.0056773	-.0035413
c_v44	.1385995	.005719	24.23	0.000	.1273904	.1498086
c_degree	.0180576	.0066889	2.70	0.007	.0049476	.0311675
c_mobility1_mean	.2759959	.0225689	12.23	0.000	.2317618	.3202301
societytype	.5292459	.0243681	21.72	0.000	.4814853	.5770065
c_procedure1	.0071656	.000503	14.24	0.000	.0061797	.0081516
downward	-.0872079	.023267	-3.75	0.000	-.1328103	-.0416054
upward	-.1030924	.0279525	-3.69	0.000	-.1578782	-.0483067
/cut1	-.4114537	.0185516	-22.18	0.000	-.4478142	-.3750931
/cut2	1.773962	.0206111	86.07	0.000	1.733565	1.814359
/cut3	2.772087	.0246233	112.58	0.000	2.723826	2.820348
/cut4	4.384297	.0410041	106.92	0.000	4.303931	4.464664
v5						
var(upward)	.0328269	.0062938			.0225439	.0478001
var(_cons)	.3187826	.0117176			.2966243	.3425963

LR test vs. ologit regression:                      chi2(2) = 3864.59      Prob > chi2 = 0.0000

**Multi-level ordered logistic model VI (random slope with cross-level interaction):**

(State 13 – meologit)

v32ordinal	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
c_GDP_mean	3.85e-06	5.79e-07	6.65	0.000	2.72e-06	4.99e-06
sex	-.122247	.0176364	-6.93	0.000	-.1568137	-.0876803
c_age	-.004749	.0005444	-8.72	0.000	-.005816	-.003682
c_v44	.1408817	.0057016	24.71	0.000	.1297068	.1520567
c_degree	.0111149	.0066446	1.67	0.094	-.0019082	.024138
c_mobility1_mean	.3228308	.0257611	12.53	0.000	.27234	.3733216
societytype	.5321241	.0242922	21.91	0.000	.4845123	.5797359
c_procedure1	.0074349	.0005035	14.77	0.000	.0064481	.0084218
downward	-.0891697	.0233257	-3.82	0.000	-.1348872	-.0434523
upward	-.044625	.0297358	-1.50	0.133	-.1029061	.0136561
c.upward#c.c_mobility1_mean	.2790471	.057569	4.85	0.000	.166214	.3918803
/cut1	-.3038489	.0182905	-16.61	0.000	-.3396977	-.2680001
/cut2	1.880471	.020632	91.14	0.000	1.840034	1.920909
/cut3	2.874872	.0246989	116.40	0.000	2.826463	2.92328
/cut4	4.482296	.0410701	109.14	0.000	4.4018	4.562792
v5						
var(upward)	.0418893	.0079755			.0288429	.0608369
var(_cons)	.2406388	.0086578			.2242543	.2582205

LR test vs. ologit regression:            chi2(2) = 3922.97    Prob > chi2 = 0.0000