

Supplementary File

Table a1. Panel participants

N waves	N students
1st, 2nd and 3rd wave	524
1st and 3rd wave	199
1st and 2nd wave	277

Table a2. Panel sample and attrition

	W1 (Baseline)		W2		W3	
	N	%	N	%	N	%
Valid	2854	100	805	28.2	725	25.4
Missing cases	0	0	2049	71.8	2129	74.6

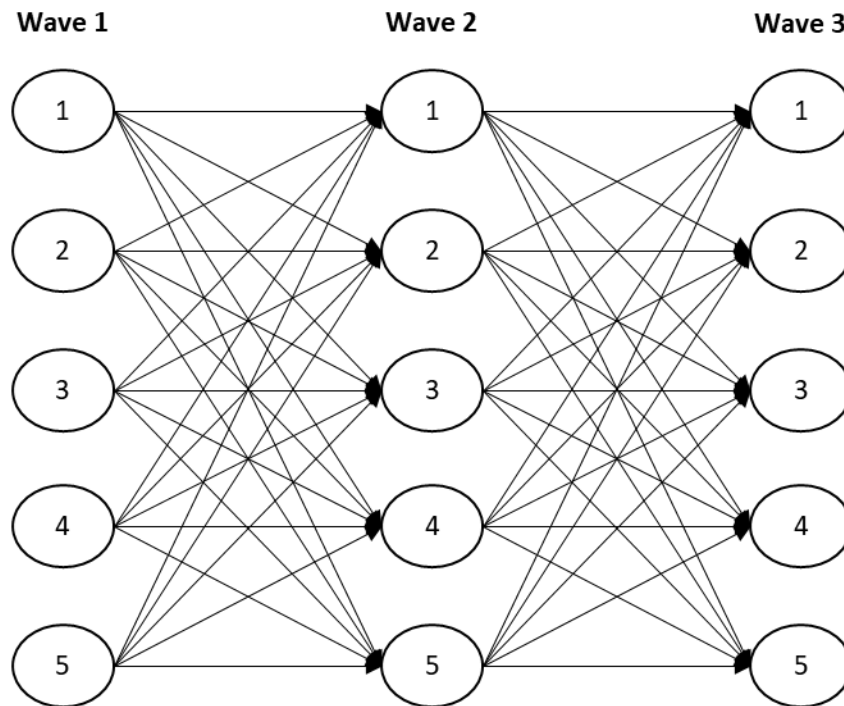
Table a3. Comparison between population and sample

		Official statistics		Pathways to the Future	
Gender	Male	54%	(4,295)	53%	(1,481)
	Female	46%	(3,725)	47%	(1,329)
	Cannot decide				(13)
Place of birth	Austria	68%	(5,450)	74%	(2,105)
	Germany	1%	(48)	1%	(28)
	Tschech Republik, Slovakia, Hungary, Poland	3%	(207)	3%	(71)
	Former Jugoslawia	6%	(503)	6%	(174)
	Turkey	2%	(150)	2%	(58)
	Bulgaria, Rumania, Moldawia	3%	(206)	2%	(63)
	Afghanistan, Iran, Irak	4%	(340)	3%	(72)
	Syria	5%	(418)	3%	(91)
	Other	9%	(695)	7%	(188)

Table a4. Languages spoken

	Official statistics		Pathways to the Future					
			Mother		Father		Friends	
German	26%	(2.068)	56%	(1.576)	58%	(1.585)	93%	(2.637)

Turkish	19%	(1.485)	10%	(289)	10%	(271)	2%	(60)
Serbian, Kroatian	16%	(1.245)	8%	(237)	7%	(197)	1%	(29)
Other	40%	(3.222)	26%	(734)	24%	(659)	25%	(114)



Graph a1. Possible longitudinal patterns

Table a5. Descriptive statistics

Variable		N	% with missing	Valid %	Mean	SD	Min.	Max.
Mathematics		2545			3.7	1.6	1	7
English		2545			3.4	1.5	1	7
Gender	Male	1302	51.2	51.7				
	Female	1217	47.8	48.3				
	Missing	26	1					
Parents' educational level	Higher education	463	18.2	23.2				
	Secondary education	1025	40.3	51.3				
	Compulsory or less	509	20	25.5				
	Missing	548	21.5					
Migration background	Generation 2.5	360	14.1	15.5				

	Generation 2	892	35	38.3
	Generation 1	553	21.7	23.8
	No migrant background	522	20.5	22.4
	Missing	218	8.6	
ISEI_W1	<= 40	382	15	15.4
	41 - 56	602	23.7	24.3
	57 - 70	324	12.7	13.1
	71+	743	29.2	30
	I do not have a desired profession.	204	8	8.2
	Do not know	198	7.8	8
	I would prefer not to work.	25	1	1
	Missing	67	2.6	
ISEI_W2	<= 40	66	2.6	10.5
	41 - 56	144	5.7	22.9
	57 - 70	73	2.9	11.6
	71+	191	7.5	30.4
	I do not have a desired profession.	92	3.6	14.6
	Do not know	55	2.2	8.8
	I would prefer not to work.	7	0.3	1.1
	Missing	1917	75.3	
ISEI_W3	<= 40	45	1.8	8.6
	41 - 56	99	3.9	19
	57 - 70	47	1.8	9
	71+	182	7.2	34.9
	I do not have a desired profession.	82	3.2	15.7
	Do not know	51	2	9.8
	I would prefer not to work.	15	0.6	2.9
	Missing	2024	79.5	
Edu_W1	I would like to study (university or university of applied sciences)	1067	41.9	42.3
	I would like a Matura (without further study)	778	30.6	30.8
	I would like to finish a school for intermediate	94	3.7	3.7

	vocational education			
	I would like to obtain a diploma of apprenticeship or to have a compulsory school leaving certificate	411	16.1	16.3
	I would like to have some other degree	31	1.2	1.2
	I don't know	143	5.6	5.7
	Missing	21	0.8	
Edu_W2	I would like to study (university or university of applied sciences)	305	12	47
	I would like a Matura (without further study)	163	6.4	25.1
	I would like to finish a school for intermediate vocational education	39	1.5	6
	I would like to obtain a diploma of apprenticeship or to have a compulsory school leaving certificate	95	3.7	14.6
	I would like to have some other degree	12	0.5	1.8
	I don't know	35	1.4	5.4
	Missing	1896	74.5	
Edu_W3	I would like to study (university or university of applied sciences)	288	11.3	53.8
	I would like a Matura (without further study)	105	4.1	19.6
	I would like to finish a school for intermediate vocational education	25	1	4.7

	I would like to obtain a diploma of apprenticeship or to have a compulsory school leaving certificate	89	3.5	16.6
	I would like to have some other degree	12	0.5	2.2
	I don't know	16	0.6	3
	Missing	2010	79	

Table a6. Youngsters situation in W1, W2 and W3 (Main activity)

	Wave 1		Wave 2		Wave 3	
	N	%	N	%	N	%
Neue Mittelschule (NMS)	3078	100	18	2,2	-	-
Polytechnische Schule (oder Fachmittelschule (PTS / FMS)_W3)	-	-	160	20	16	2,2
Apprentice (Lehrling) / Berufsschule	-	-	50	6,2	155	21,4
Berufsbildende Mittlere Schule (BMS, HASCH, Fachschule, etc.)	-	-	100	12,5	84	11,6
Berufsbildende Höhere Schule (BHS, HAK, BAKIP, HLW, HTL, etc.)	-	-	312	39	281	38,9
Allgemeinbildende Höhere Schule (AHS, Gymnasium)	-	-	94	11,7	82	11,3
Looking for apprenticeship, school, or job	-	-	51	6,4	35	4,8
Other school	-	-	6	0,7	39	5,4
Other situation	-	-	14	1,2	33	4,3
TOTAL	3078	100	805	100	725	100

Table a7. Resulting model fit indices (1 to 7 classes)

	N of classes						
	1	2	3	4	5	6	7
No Free parameters	13	27	41	55	69	83	97
TIME 1							
Log-likelihood	-10237.490	-9882.994	-9817.891	-9777.604	-9760.208	-9755.161	-9754.335
AIC	20500.981	19819.988	19717.782	19665.207	19658.415	19676.321	19702.671
BIC	20579.397	19982.853	19965.095	19996.969	20074.625	20176.98	20287.778
ABIC	20538.091	19897.063	19834.821	19822.212	19855.385	19913.256	19979.57
Entropy		0.753	0.669	0.719	0.819	0.755	0.711
TIME 2							
Log-likelihood	-5584.509	-4059.692	-3985.559	-3964.584	-3956.570	-3955.807	-3955.376
AIC	11195.017	8173.385	8053.118	8051.167	8039.140	8077.614	8104.751
BIC	11273.434	8336.250	8300.432	8467.929	8370.350	8578.273	8689.859
ABIC	11232.127	8250.460	8248.158	8246.172	8196.109	8314.549	8381.65
Entropy		0.900	0.932	0.927	0.937	0.936	0.913
TIME 3							
Log-likelihood	-4764.998	-3393.153	-3317.223	-3294.911	-3289.857	-3286.91	-3286.824
AIC	9555.997	6840.305	6716.446	6717.822	6699.713	6739.82	6767.648
BIC	9634.413	7003.170	7133.759	7031.584	6963.924	7240.479	7352.755
ABIC	9593.107	6917.380	6914.486	6856.826	6833.683	6976.754	7044.547
Entropy		0.901	0.923	0.945	0.953	0.942	0.940

Table a8. Latent transition probabilities based on the estimated model

Wave 1 to Wave 2					
	Medium-High	Medium-Low and educational indecision	High	Low	Indecision
1 - Medium-High	0.597	0.083	0.119	0.024	0.176
2 - Medium-Low and educational indecision	0	0.899	0	0.042	0.059
3 - High	0	0.004	0.879	0.078	0.039

4 - Low	0	0.103	0	0.89	0.006
5 - Indecision	0	0.013	0.013	0.024	0.95
Wave 2 to Wave 3					
	Medium-High	Medium-Low and educational indecision	High	Low	Indecision
1 - Medium-High	0.619	0	0.381	0	0
2 - Medium-Low and educational indecision	0	0.795	0.102	0.043	0.06
3 - High	0	0	0.993	0.007	0
4 - Low	0	0	0.068	0.916	0.015
5 - Indecision	0	0	0.171	0.191	0.638

Table a9. Final class counts and proportions for the latent class patterns based on their most likely latent class pattern

Class Counts and Proportions					
Latent Class Pattern					
1	1	1	214		8.41%
1	1	2	18		0.71%
1	1	3	75		2.95%
1	1	4	7		0.28%
1	1	5	0		0.00%
1	2	1	0		0.00%
1	2	2	71		2.79%
1	2	3	9		0.35%
1	2	4	1		0.04%
1	2	5	1		0.04%
1	3	1	0		0.00%
1	3	2	0		0.00%
1	3	3	53		2.08%
1	3	4	0		0.00%
1	3	5	0		0.00%
1	4	1	0		0.00%
1	4	2	0		0.00%
1	4	3	2		0.08%
1	4	4	19		0.75%
1	4	5	0		0.00%
1	5	1	0		0.00%

1	5	2	8	0.31%
1	5	3	29	1.14%
1	5	4	15	0.59%
1	5	5	87	3.42%
2	1	1	0	0.00%
2	1	2	9	0.35%
2	1	3	0	0.00%
2	1	4	1	0.04%
2	1	5	0	0.00%
2	2	1	0	0.00%
2	2	2	214	8.41%
2	2	3	17	0.67%
2	2	4	7	0.28%
2	2	5	1	0.04%
2	3	1	0	0.00%
2	3	2	0	0.00%
2	3	3	1	0.04%
2	3	4	0	0.00%
2	3	5	0	0.00%
2	4	1	0	0.00%
2	4	2	0	0.00%
2	4	3	0	0.00%
2	4	4	16	0.63%
2	4	5	0	0.00%
2	5	1	0	0.00%
2	5	2	3	0.12%
2	5	3	2	0.08%
2	5	4	1	0.04%
2	5	5	15	0.59%
3	1	1	0	0.00%
3	1	2	0	0.00%
3	1	3	2	0.08%
3	1	4	0	0.00%
3	1	5	0	0.00%
3	2	1	0	0.00%
3	2	2	1	0.04%
3	2	3	0	0.00%
3	2	4	0	0.00%
3	2	5	0	0.00%
3	3	1	0	0.00%
3	3	2	0	0.00%

3	3	3	708	27.82%
3	3	4	0	0.00%
3	3	5	0	0.00%
3	4	1	0	0.00%
3	4	2	0	0.00%
3	4	3	0	0.00%
3	4	4	22	0.86%
3	4	5	0	0.00%
3	5	1	0	0.00%
3	5	2	0	0.00%
3	5	3	29	1.14%
3	5	4	0	0.00%
3	5	5	6	0.24%
4	1	1	0	0.00%
4	1	2	0	0.00%
4	1	3	0	0.00%
4	1	4	0	0.00%
4	1	5	0	0.00%
4	2	1	0	0.00%
4	2	2	17	0.67%
4	2	3	0	0.00%
4	2	4	1	0.04%
4	2	5	0	0.00%
4	3	1	0	0.00%
4	3	2	0	0.00%
4	3	3	0	0.00%
4	3	4	0	0.00%
4	3	5	0	0.00%
4	4	1	0	0.00%
4	4	2	0	0.00%
4	4	3	12	0.47%
4	4	4	585	22.99%
4	4	5	0	0.00%
4	5	1	0	0.00%
4	5	2	0	0.00%
4	5	3	1	0.04%
4	5	4	1	0.04%
4	5	5	0	0.00%
5	1	1	0	0.00%
5	1	2	0	0.00%
5	1	3	0	0.00%

5	1	4	0	0.00%
5	1	5	0	0.00%
5	2	1	0	0.00%
5	2	2	1	0.04%
5	2	3	0	0.00%
5	2	4	0	0.00%
5	2	5	0	0.00%
5	3	1	0	0.00%
5	3	2	0	0.00%
5	3	3	1	0.04%
5	3	4	0	0.00%
5	3	5	0	0.00%
5	4	1	0	0.00%
5	4	2	0	0.00%
5	4	3	0	0.00%
5	4	4	4	0.16%
5	4	5	0	0.00%
5	5	1	0	0.00%
5	5	2	1	0.04%
5	5	3	28	1.10%
5	5	4	28	1.10%
5	5	5	201	7.90%