

Supplement to:

Lorenz, Georg, Zerrin Salikutluk, Zsófia Boda, Malte Jansen, and Miles Hewstone. 2021. “The Link between Social and Structural Integration: Co- and Interethnic Friendship Selection and Social Influence within Adolescent Social Networks.” *Sociological Science* 8: 371-396.

Appendix A: Details on the Model Specification.

Table A1. Overview and description of effects used in multilevel SAOMs.

Effect name (internal RSiena effect name)	The tendency is modelled...
<u>Dependent variable: friendship (ego creates or maintains a tie to alter)</u>	
Outdegree (density)	To create and maintain friendships
Reciprocity (recip)	To reciprocate friendships
Transitive triplets (transTrip)	To create and maintain friendships to friends of friends
Transitive reciprocated triplets (transTrip)	To reciprocate ties to friends of friends
Indegree popularity (inPop)	To create and maintain ties to actors who are popular in the network
Ego's popularity (outPop)	For egos with high outdegrees to attract more friendship nominations
Ego's activity (outAct)	For egos with high outdegrees to create and maintain more friendships
Educational expectations alter (alterX)	To create and maintain more ties to students with higher educational expectations
Educational expectations ego (egoX)	For students with high educational expectations to create and maintain more ties
Same educational expectations (sameX)	For actors to be tied to those with the same educational expectations
Male alter (alterX)	To create and maintain more ties to boys than to girls
Male ego (egoX)	For boys to create and maintain more ties
Male ego X male alter (egoXaltX)	For actors to be tied to those of the same gender
Scholastic performance alter (altX)	To create and maintain more ties to students with a better scholastic performance
Scholastic performance ego (egoX)	For students with a better scholastic performance to create and maintain more ties
Similar scholastic performance (simX)	For actors to be tied to those with a similar scholastic performance
Similar HISEI (simX)	For actors to be tied to those of a similar HISEI

continued.

Table A1 continued.

Effect name (internal RSiena effect name)	The tendency is modelled...
Effects only included in Model 1:	
Both majority (sameX)	For majority actors to be tied to other majority actors
Turkish-minority alter (alterX)	To create and maintain more ties to students with a Turkish minority background
Turkish-minority ego (egoX)	For students with a Turkish-minority background to create and maintain more ties
Both Turkish minority (sameX)	For actors with a Turkish-minority background to be tied to other Turkish-minority actors
Other-minority alter (alterX)	To create and maintain more ties to students with another ethnic minority background
Other-minority ego (egoX)	For students with another minority background to create and maintain more ties
Both other-minority (sameX)	For actors with another ethnic minority background to be tied to actors with another ethnic minority background
Effects only included in Model 2:	
Majority-Turkish (X)	For dyads in which ego has a majority and alter has a Turkish-minority background to create and maintain more ties
Majority-other (X)	For dyads in which ego has a majority and alter has another ethnic minority background to create and maintain more ties
Turkish-majority (X)	For dyads in which ego has a Turkish-minority background and alter has a majority background to create and maintain more ties
Turkish-Turkish (X)	For dyads in which both ego and alter have a Turkish-minority background to create and maintain more ties
Turkish-other (X)	For dyads in which ego has a Turkish and alter has another ethnic minority background to create and maintain more ties
Other-majority (X)	For dyads in which ego has another ethnic minority and alter has a majority background to create and maintain more ties
Other-Turkish (X)	For dyads in which ego has another ethnic minority and alter has a Turkish-minority background to create and maintain more ties
Other-other (X)	For dyads in which both ego and alter have another ethnic minority background to create and maintain more ties

continued.

Table A1 continued.

Effect name (internal RSiena effect name)	The tendency is modelled...
<u>Dependent variable: educational expectations (ego maintains, increases or decreases his or her expectations)</u>	
Linear shape (linear)	For educational expectations to increase or decrease over time
Quadratic shape (quad)	The effect of educational expectation on itself
Turkish minority (effFrom)	For actors with a Turkish background to increase/decrease their educational expectations (compared to those with a majority background)
Other minority (effFrom)	For actors with another ethnic minority background to increase/decrease their educational expectations (compared to those with a majority background)
Male (effFrom)	For boys to increase/decrease their educational expectations
HISEI (effFrom)	For actors with a higher HISEI to increase/decrease their educational expectations
Scholastic performance (effFrom)	For actors with a better scholastic performance at T ₁ to increase/decrease their educational expectations
GPA (within) (effFrom)	For actors with higher changes in GPA between T ₁ and T ₂ to increase/decrease their educational expectations
Lower secondary school (effFrom)	For actors attending lower secondary schools to increase/decrease their educational expectations
Intermediate secondary school (effFrom)	For actors attending intermediate secondary schools to increase/decrease their educational expectations
Upper secondary school (effFrom)	For actors attending upper secondary schools to increase/decrease their educational expectations
Effect only included in Model 1:	
Average expectations of friends (avSim)	For actors to converge to the average educational expectations of their friends

continued.

Table A1 continued.

Effect name (internal RSiena effect name)	The tendency is modelled...
Effects only included in Model 2:	
Average expectations of friends among 'majority-majority' dyads (avSimW)	For majority actors to converge to the average educational expectations of their majority friends
Average expectations of friends among 'majority-Turkish' dyads (avSimW)	For majority actors to converge to the average educational expectations of their Turkish-minority friends
Average expectations of friends among majority-other' dyads (avSimW)	For majority actors to converge to the average educational expectations of their other-minority friends
Average expectations of friends among 'Turkish-majority' dyads (avSimW)	For Turkish-minority actors to converge to the average educational expectations of their majority friends
Average expectations of friends among 'Turkish-Turkish' dyads (avSimW)	For Turkish-minority actors to converge to the average educational expectations of their Turkish-minority friends
Average expectations of friends among 'Turkish-other' dyads (avSimW)	For Turkish-minority actors to converge to the average educational expectations of their other ethnic minority friends
Average expectations of friends among 'other-majority' dyads (avSimW)	For other ethnic minority actors to converge to the average educational expectations of their majority friends
Average expectations of friends among 'other-Turkish' dyads (avSimW)	For other ethnic minority actors to converge to the average educational expectations of their Turkish-minority friends
Average expectations of friends among 'other-other' dyads (avSimW)	For other ethnic minority actors to converge to the average educational expectations of their other ethnic minority friends

Appendix B: Descriptive Statistics of the Social Networks and the Predictor Variables

within the Analytic Sample.

Table B1. Descriptive statistics of the social networks within the analytic sample.

	Min.	Max.	M	SD
Size	13	31	21.9	4.8
Density (T1)	0.1	0.4	0.2	0.1
Density (T2)	0.1	0.5	0.2	0.1
Average degrees (T1)	2.1	4.7	3.7	0.5
Average degrees (T2)	1.8	4.4	3.1	0.6
Jaccard index	0.2	0.6	0.4	0.1

Table B2. Descriptive statistics of the predictor variables within the analytic sample, by adolescents' ethnic background.

	Analytic sample (N = 1,992)		Ethnic majority (n = 843)	Turkish minority (n = 381)	Other minority (n = 768)	Missing cases
	M	SD	M	M	M	N
<u>Student achievement</u>						
Scholastic performance (latent)	0.0	1.0	0.3	-0.7	-0.1	0
Cognitive abilities	19.5	3.9	20.2	18.2	19.3	8
Language skills	11.7	4.5	13.3	8.7	11.5	6
Math grade	3.9	1.0	4.0	3.7	3.8	51
German grade	4.0	0.8	4.1	3.8	4.0	55
English grade	3.9	0.9	3.9	3.8	4.0	55
GPA (within)	0.1	0.7	0.1	0.1	0.1	23
<u>Socioeconomic status</u>						
HISEI	45.4	20.4	51.5	33.0	44.0	119
<u>Student gender</u>						
	%		%	%	%	N
Girls	52.2		53.7	50.7	51.2	0
Boys	47.8		46.3	49.3	48.8	0
<u>Attended school form</u>						
	%		%	%	%	N
Lower secondary	11.9		8.8	15.2	13.7	0
Intermediate secondary	37.6		39.3	35.2	37.0	0
Comprehensive	32.1		30.1	36.0	32.4	0
Upper secondary	18.4		21.8	13.7	16.9	0

Appendix C: Complete Results from Multilevel Mixed-Effects Ordinal Logistic Regressions.

Table C1. Ethnic differences in educational expectations—replication of the aspiration-achievement paradox in Germany with the CILS4EU data.

	Model 1
Turkish minority	1.60 ^{***} (0.24)
Other ethnic minority	0.57 ^{***} (0.16)
Lower secondary school (ref.: comprehensive)	-2.26 ^{***} (0.39)
Intermediate secondary school	0.29 (0.29)
Upper secondary school	3.52 ^{***} (0.39)
Male	0.12 (0.14)
HISEI	0.02 ^{***} (0.00)
Scholastic performance	0.74 ^{***} (0.10)
GPA (within)	1.75 ^{***} (0.11)
Cut1	-4.99 ^{***} (0.30)
Cut2	0.25 (0.24)
Cut3	4.43 ^{***} (0.28)
Variance (classroom-level)	0.83 ^{***} (0.21)
Variance (adolescent-level)	4.71 ^{***} (0.52)
N	3138

Notes:

1. Average marginal effects from multilevel mixed-effects ordinal logistic regressions.
2. *** $p \leq 0.001$ ** $p \leq 0.01$ * $p \leq 0.05$.
3. Sources: CILS4EU, authors' calculations.

Table C2. Full results from multilevel mixed-effects ordinal logistic regressions corresponding to the numbers presented in Figure 2.

	Model 1	Model 2	Model 3
Turkish minority (ref.: majority)	2.01*** (0.40)	1.47*** (0.36)	1.57*** (0.31)
Other ethnic minority	0.63** (0.22)	0.68** (0.24)	0.57** (0.22)
Share of majority friends	0.29 (0.45)		
Turkish minority X Share of majority friends	0.99 (1.03)		
Other ethnic minority X Share of majority friends	-1.43* (0.61)		
Share of Turkish-minority friends		-0.54 (0.85)	
Turkish minority X Share of Turkish-minority friends		1.08 (1.03)	
Other ethnic minority X Share of Turkish-minority friends		0.99 (0.99)	
Share of other-minority friends			-0.18 (0.47)
Turkish minority X Share of other-minority friends			-1.23 (0.82)
Other ethnic minority X Share of other-minority friends			1.27+ (0.66)
Lower secondary school (ref.: comprehensive)	-1.83*** (0.44)	-1.84*** (0.44)	-1.84*** (0.44)
Intermediate secondary school	0.04 (0.32)	0.04 (0.32)	0.06 (0.32)
Upper secondary school	5.89*** (0.69)	5.91*** (0.69)	5.93*** (0.69)
Male	0.04 (0.19)	0.06 (0.19)	0.04 (0.19)
HISEI	0.03*** (0.01)	0.03*** (0.01)	0.03*** (0.01)
Scholastic performance	0.74*** (0.14)	0.73*** (0.14)	0.75*** (0.14)
GPA (within)	2.20*** (0.17)	2.20*** (0.17)	2.22*** (0.17)
Number of nominated friends	-0.04 (0.07)	-0.04 (0.07)	-0.04 (0.07)
Intercept	-0.17 (0.28)	-0.19 (0.29)	-0.13 (0.28)
Random-effects parameters (classroom-level)	0.88 (0.27)	0.88 (0.27)	0.87 (0.27)
Random-effects parameters (individual level)	5.07 (0.87)	5.08 (0.86)	5.17 (0.88)
N	1,788	1,788	1,788

Log odds and standard errors in parentheses

+ $p < 0.10$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$

Appendix D: Complete SAOM Results.

Table D1. Full results from multilevel SOAM, corresponding to the numbers presented in Figure 3 (left panel) and Table 3 (Model 1).

	β	SD		Credible from to	Posterior probability	Varying
<i>Friendship</i>						
Outdegree (density)	-0.71	0.14	***	-1.01 - -0.46	0.00	+
Reciprocity	1.86	0.08	***	1.73 - 2.04	1.00	+
Transitive triplets	0.57	0.02	***	0.53 - 0.61	1.00	+
Transitive reciprocated triplets	-0.23	0.03	***	-0.29 - -0.18	0.00	+
Indegree - popularity	0.07	0.02	***	0.04 - 0.10	1.00	+
Outdegree - popularity	-0.24	0.03	***	-0.30 - -0.18	0.00	+
Outdegree - activity	-0.22	0.01	***	-0.25 - -0.19	0.00	+
Both majority	0.07	0.04	*	0.00 - 0.15	0.97	-
Turkish-minority alter	0.09	0.05	*	-0.01 - 0.19	0.96	-
Turkish-minority ego	0.14	0.06	*	0.02 - 0.27	0.99	-
Both Turkish minority	0.28	0.04	***	0.19 - 0.37	1.00	-
Other-minority alter	0.05	0.04	*	-0.02 - 0.12	0.92	-
Other-minority ego	-0.01	0.04		-0.09 - 0.08	0.41	-
Both other-minority	-0.05	0.04	+	-0.13 - 0.03	0.10	-
Educational expectations alter	0.00	0.04		-0.07 - 0.07	0.53	-
Educational expectations ego	0.02	0.03		-0.03 - 0.08	0.78	-
Same educational expectations	0.11	0.05	**	0.02 - 0.20	0.99	-
<i>Interaction effects</i>						
Turkish-minority ego X educational expectations alter	0.11	0.06	*	0.00 - 0.24	0.98	-
Other-minority ego X educational expectations alter	0.10	0.05	*	0.00 - 0.20	0.97	-
Male alter	-0.04	0.04		-0.13 - 0.04	0.16	+
Male ego	0.13	0.05	**	0.03 - 0.23	1.00	+
Male ego X male alter	0.74	0.08	***	0.60 - 0.90	1.00	+
Scholastic performance alter	0.07	0.02	***	0.03 - 0.11	1.00	-
Scholastic performance ego	0.06	0.03	**	0.01 - 0.10	0.99	-
Similar scholastic performance	0.52	0.12	***	0.29 - 0.76	1.00	-
Similar HISEI	0.02	0.07		-0.12 - 0.16	0.60	-

continued

Table D1 continued.

	β	SD		Credible from to	Posterior probability	Varying
<i>Educational expectations</i>						
Linear shape (of educational expectations)	0.27	0.10	**	0.09 - 0.47	1.00	+
Quadratic shape	-0.05	0.08	+	-0.21 - 0.12	0.29	+
Turkish minority (ref. majority)	0.27	0.17	*	-0.06 - 0.60	0.95	-
Other minority	0.11	0.13		-0.14 - 0.36	0.82	-
Average expectations of friends	1.27	0.45	**	0.43 - 2.17	1.00	-
<i>Interaction effects</i>						
Average expectations of friends X Turkish minority	-0.12	0.71		-1.51 - 1.26	0.43	-
Average expectations of friends X other minority	-0.19	0.55		-1.27 - 0.90	0.36	-
Male	-0.03	0.11		-0.24 - 0.18	0.39	+
HISEI	0.01	0.00	*	0.00 - 0.01	0.94	-
Similar scholastic performance	0.35	0.07	***	0.21 - 0.48	1.00	-
GPA (within)	0.35	0.08	***	0.19 - 0.51	1.00	-
Lower secondary school (reference: comprehensive school)	-0.06	0.18		-0.40 - 0.29	0.36	-
Intermediate secondary school	-0.29	0.13	*	-0.54 - -0.03	0.01	-
Upper secondary school	0.34	0.22	+	-0.10 - 0.78	0.94	-

Table D2. Full results from multilevel SOAM (Model 2), corresponding to the numbers presented in Figure 3 (right panel) and Table 3.

	β	SD		Credible from to	Posterior probability	Varying
<i>Friendship</i>						
Outdegree (density)	-0.53	0.20	***	-1.03 - -0.26	0.00	+
Reciprocity	1.92	0.15	***	1.76 - 2.37	0.00	+
Transitive triplets	0.57	0.02	***	0.53 - 0.60	0.00	+
Transitive reciprocated triplets	-0.24	0.04	***	-0.33 - -0.18	0.00	+
Indegree - popularity	0.08	0.02	***	0.05 - 0.10	0.00	+
Outdegree - popularity	-0.22	0.04	***	-0.28 - -0.10	0.00	+
Outdegree - activity	-0.22	0.01	***	-0.25 - -0.19	0.00	+
Majority-Turkish	-0.32	0.09	***	-0.51 - -0.14	0.00	-
Majority-other	0.04	0.05		-0.06 - 0.14	0.20	-
Turkish-majority	-0.14	0.10	+	-0.35 - 0.06	0.09	-
Turkish-Turkish	0.22	0.08	**	0.07 - 0.37	0.00	-
Turkish-other	-0.06	0.07		-0.21 - 0.08	0.18	-
Other-majority	-0.04	0.06		-0.16 - 0.06	0.21	-
Other-Turkish	-0.12	0.07	+	-0.27 - 0.02	0.04	-
Other-other	0.04	0.06		-0.08 - 0.14	0.24	-
Educational expectations alter	-0.05	0.05		-0.15 - 0.05	0.16	-
Educational expectations ego	0.02	0.03		-0.04 - 0.07	0.29	-
Same educational expectations	0.11	0.05	**	0.02 - 0.20	0.01	-
<i>Interaction effects</i>						
Majority-Turkish X educational expectations alter	0.08	0.14		-0.20 - 0.35	0.29	-
Majority-other X educational expectations alter	0.11	0.08	+	-0.05 - 0.27	0.09	-
Turkish-majority X educational expectations alter	0.36	0.14	**	0.08 - 0.62	0.01	-
Turkish-Turkish X educational expectations alter	0.18	0.09	*	0.01 - 0.36	0.02	-
Turkish-other X educational expectations alter	0.08	0.10		-0.12 - 0.28	0.21	-
Other-majority X educational expectations alter	0.21	0.08	**	0.05 - 0.38	0.01	-
Other-Turkish X educational expectations alter	0.10	0.10		-0.12 - 0.29	0.16	-
Other-other X educational expectations alter	0.13	0.08	*	-0.02 - 0.27	0.04	-
Male alter	-0.04	0.04		-0.11 - 0.04	0.15	+
Male ego	0.12	0.05	**	0.04 - 0.22	0.00	+
Male ego X male alter	0.73	0.08	***	0.57 - 0.88	0.00	+
Scholastic performance alter	0.06	0.02	***	0.02 - 0.11	0.00	-
Scholastic performance ego	0.05	0.02	*	0.00 - 0.10	0.02	-
Similar scholastic performance	0.49	0.11	***	0.28 - 0.72	0.00	-
Similar HISEI	0.02	0.07		-0.12 - 0.16	0.41	-

continued

Table D2 continued.

	β	<i>SD</i>		Credible from to		Posterior probability	Varying
<i>Educational expectations</i>							
Linear shape (of educational expectations)	0.30	0.09	***	0.13	- 0.48	0.00	+
Quadratic shape	-0.05	0.08		-0.20	- 0.10	0.25	+
Turkish minority (ref. majority)	0.24	0.16	+	-0.07	- 0.55	0.06	-
Other minority	0.11	0.13		-0.13	- 0.35	0.20	-
<i>Social influence of friends among...</i>							
Majority-majority dyads	0.53	0.40	+	-0.25	- 1.33	0.09	-
Majority-Turkish dyads	-0.34	0.78		-1.91	- 1.17	0.33	-
Majority-other dyads	0.95	0.39	**	0.21	- 1.76	0.01	-
Turkish-majority dyads	1.20	0.99	+	-0.60	- 3.33	0.10	-
Turkish-Turkish dyads	0.54	0.59		-0.63	- 1.62	0.19	-
Turkish-other dyads	0.44	0.64		-0.81	- 1.70	0.24	-
Other-majority dyads	0.46	0.46		-0.40	- 1.41	0.16	-
Other-Turkish dyads	0.24	0.54		-0.82	- 1.31	0.32	-
Other-other dyads	0.61	0.38	+	-0.13	- 1.37	0.05	-
Male	0.02	0.10		-0.17	- 0.22	0.45	+
HISEI	0.01	0.00	*	0.00	- 0.01	0.05	-
Scholastic performance	0.33	0.07	***	0.19	- 0.47	0.00	-
GPA (within)	0.24	0.08	**	0.08	- 0.40	0.00	-
Lower secondary school (reference: comprehensive school)	-0.06	0.16		-0.37	- 0.25	0.36	-
Intermediate secondary school	-0.28	0.13	*	-0.53	- 0.00	0.03	-
Upper secondary school	0.35	0.22	+	-0.09	- 0.77	0.07	-

Appendix E: SAOM Results from Robustness Check on a Sample of 35 Comprehensive School Classrooms.

Table E1. Results from multilevel SOAM with model specification identical to that of Model 1

(matching the full-sample results reported in Table D1).

	β	SD		Credible from to	Posterior probability	Varying
<i>Friendship</i>						
Outdegree (density)	-0.43	0.21	*	-0.83 - -0.03	0.02	+
Reciprocity	1.75	0.10	***	1.55 - 1.95	1.00	+
Transitive triplets	0.56	0.04	***	0.49 - 0.63	1.00	+
Transitive reciprocated triplets	-0.22	0.05	***	-0.31 - -0.12	0.00	+
Indegree - popularity	0.05	0.03	**	0.00 - 0.10	0.97	+
Outdegree - popularity	-0.23	0.05	***	-0.33 - -0.12	0.00	+
Outdegree - activity	-0.26	0.03	***	-0.31 - -0.20	0.00	+
Both majority	0.12	0.06	*	0.01 - 0.24	0.98	-
Turkish-minority alter	0.08	0.08		-0.08 - 0.24	0.84	-
Turkish-minority ego	0.12	0.10		-0.08 - 0.32	0.87	-
Both Turkish minority	0.36	0.07	***	0.22 - 0.50	1.00	-
Other-minority alter	0.04	0.06		-0.07 - 0.16	0.75	-
Other-minority ego	0.02	0.07		-0.13 - 0.16	0.60	-
Both other-minority	-0.04	0.06		-0.17 - 0.08	0.25	-
Educational expectations alter	-0.02	0.05		-0.12 - 0.08	0.32	-
Educational expectations ego	-0.03	0.05		-0.11 - 0.07	0.30	-
Same educational expectations	0.14	0.07	*	0.00 - 0.28	0.97	-
<i>Interaction effects</i>						
Turkish-minority ego X educational expectations alter	0.19	0.09	*	0.02 - 0.37	0.99	-
Other-minority ego X educational expectations alter	0.07	0.07		-0.08 - 0.21	0.83	-
Male alter	-0.02	0.07		-0.15 - 0.12	0.42	+
Male ego	0.27	0.08	***	0.11 - 0.42	1.00	+
Male ego X male alter	0.79	0.13	***	0.54 - 1.04	1.00	+
Scholastic performance alter	0.09	0.03	**	0.03 - 0.16	1.00	-
Scholastic performance ego	0.10	0.04	**	0.02 - 0.18	0.99	-
Similar scholastic performance	0.38	0.18	*	0.02 - 0.72	0.98	-
Similar HISEI	0.02	0.12		-0.22 - 0.25	0.56	-

continued

Table E1 continued.

	β	SD		Credible from to	Posterior probability	Varying
<i>Educational expectations</i>						
Linear shape (of educational expectations)	0.24	0.16	+	-0.05 - 0.59	0.95	+
Quadratic shape	0.04	0.14		-0.22 - 0.31	0.61	+
Turkish minority (ref. majority)	0.51	0.29	*	-0.05 - 1.06	0.96	-
Other minority	0.01	0.22		-0.43 - 0.44	0.52	-
Average expectations of friends	1.83	0.86	*	0.24 - 3.64	0.99	-
<i>Interaction effects</i>						
Average expectations of friends X Turkish minority	0.93	1.32		-1.57 - 3.65	0.76	-
Average expectations of friends X other minority	1.25	1.11		-0.86 - 3.53	0.87	-
Male	-0.20	0.19		-0.57 - 0.17	0.16	+
HISEI	0.01	0.01	+	0.00 - 0.50	0.97	-
GPA (within)	0.25	0.13	*	0.00 - 0.50	0.97	-
Similar scholastic performance	0.49	0.11	***	0.28 - 0.71	1.00	-

Table E2. Results from multilevel SOAM with model specification identical to that of Model 2

(matching the full-sample results reported in Table D2).

	β	<i>SD</i>		Credible from to	Posterior probability	Varying
<i>Friendship</i>						
Outdegree (density)	-0.07	0.20		-0.52 - 0.27	0.39	1
Reciprocity	1.77	0.11	***	1.58 - 1.99	1.00	1
Transitive triplets	0.57	0.04	***	0.49 - 0.64	1.00	1
Transitive reciprocated triplets	-0.23	0.05	***	-0.33 - -0.13	0.00	1
Indegree - popularity	0.05	0.03	*	0.00 - 0.10	0.97	1
Outdegree - popularity	-0.22	0.05	***	-0.31 - -0.11	0.00	1
Outdegree - activity	-0.25	0.03	***	-0.31 - -0.19	0.00	1
Majority-Turkish	-0.47	0.14	***	-0.75 - -0.18	0.00	0
Majority-other	-0.04	0.08		-0.20 - 0.11	0.31	0
Turkish-majority	-0.28	0.15	+	-0.57 - 0.03	0.04	0
Turkish-Turkish	0.20	0.13	*	-0.08 - 0.44	0.92	0
Turkish-other	-0.18	0.14		-0.47 - 0.10	0.11	0
Other-majority	-0.07	0.09		-0.26 - 0.10	0.22	0
Other-Turkish	-0.17	0.12	+	-0.41 - 0.06	0.06	0
Other-other	0.05	0.09		-0.13 - 0.23	0.72	0
Educational expectations alter	-0.13	0.07	+	-0.26 - 0.01	0.04	0
Educational expectations ego	-0.02	0.05		-0.11 - 0.08	0.34	0
Same educational expectations	0.13	0.07	*	-0.01 - 0.27	0.96	0
<i>Interaction effects</i>						
Majority-Turkish X educational expectations alter	0.20	0.18		-0.14 - 0.56	0.86	0
Majority-other X educational expectations alter	0.23	0.11	*	0.01 - 0.45	0.98	0
Turkish-majority X educational expectations alter	0.45	0.18	**	0.10 - 0.81	0.99	0
Turkish-Turkish X educational expectations alter	0.37	0.13	**	0.10 - 0.62	1.00	0
Turkish-other X educational expectations alter	0.14	0.16		-0.17 - 0.46	0.81	0
Other-majority X educational expectations alter	0.22	0.12	*	-0.02 - 0.44	0.97	0
Other-Turkish X educational expectations alter	0.03	0.15		-0.28 - 0.32	0.57	0
Other-other X educational expectations alter	0.21	0.12	*	-0.03 - 0.45	0.96	0
Male alter	-0.03	0.07		-0.15 - 0.11	0.35	1
Male ego	0.26	0.08	**	0.10 - 0.40	1.00	1
Male ego X male alter	0.80	0.13	***	0.56 - 1.07	1.00	1
Scholastic performance alter	0.09	0.03	**	0.03 - 0.15	1.00	0
Scholastic performance ego	0.10	0.04	**	0.01 - 0.18	0.99	0
Similar scholastic performance	0.37	0.18	*	0.02 - 0.73	0.98	0
Similar HISEI	0.00	0.13		-0.25 - 0.24	0.49	0

continued

Table E2 continued.

	β	SD		Credible from to	Posterior probability	Varying
<i>Educational expectations</i>						
Linear shape (of educational expectations)	0.27	0.20	+	-0.12 - 0.67	0.92	1
Quadratic shape	0.03	0.14		-0.24 - 0.32	0.58	1
Turkish minority (ref. majority)	0.77	0.37	*	0.07 - 1.51	0.98	1
Other minority	0.05	0.25		-0.45 - 0.55	0.58	0
<i>Social influence of friends among...</i>						
Majority-majority dyads	0.47	0.89		-1.41 - 2.24	0.72	0
Majority-Turkish dyads	-1.95	1.99		-6.26 - 1.32	0.14	0
Majority-other dyads	2.70	1.01	**	0.89 - 4.86	1.00	0
Turkish-majority dyads	3.82	2.35	*	-0.25 - 8.80	0.97	0
Turkish-Turkish dyads	0.32	1.30		-2.39 - 2.77	0.61	0
Turkish-other dyads	2.09	1.39	*	-0.44 - 5.01	0.95	0
Other-majority dyads	2.06	1.09	*	0.07 - 4.39	0.98	0
Other-Turkish dyads	0.29	1.23		-2.21 - 2.66	0.60	0
Other-other dyads	2.08	0.95	*	0.33 - 4.09	0.99	0
Male	-0.26	0.24		-0.73 - 0.19	0.14	1
HISEI	0.01	0.01	*	0.00 - 0.02	0.96	0
GPA (within)	0.33	0.16	*	0.03 - 0.66	0.98	0
Scholastic performance	0.56	0.14	***	0.28 - 0.84	1.00	0

Appendix F: Results from Auxilliary SAOMs.

Table F1. Results from multilevel SOAM with model specification identical to that of Model 2 but with additional interaction effect between the share of Turkish minority members in the class and social influence among Turkish-Turkish dyads (see educational expectations part of the model).

	β	<i>SD</i>		Credible from to	Posterior probability	Varying
<i>Friendship</i>						
Outdegree (density)	-0.43	0.12	***	-0.70 - -0.19	0.00	1
Reciprocity	1.86	0.06	***	1.74 - 1.97	1.00	1
Transitive triplets	0.57	0.02	***	0.52 - 0.61	1.00	1
Transitive reciprocated triplets	-0.23	0.03	***	-0.28 - -0.17	0.00	1
Indegree - popularity	0.07	0.02	***	0.04 - 0.10	1.00	1
Outdegree - popularity	-0.24	0.03	***	-0.29 - -0.18	0.00	1
Outdegree - activity	-0.22	0.01	***	-0.25 - -0.20	0.00	1
Majority-Turkish	-0.29	0.08	***	-0.46 - -0.16	0.00	0
Majority-other	0.04	0.04		-0.04 - 0.12	0.83	0
Turkish-majority	-0.17	0.11	*	-0.37 - 0.04	0.05	0
Turkish-Turkish	0.22	0.10	***	0.07 - 0.45	1.00	0
Turkish-other	-0.03	0.08		-0.17 - 0.11	0.40	0
Other-majority	-0.05	0.05		-0.14 - 0.05	0.16	0
Other-Turkish	-0.10	0.07		-0.23 - 0.04	0.10	0
Other-other	0.07	0.05	+	-0.03 - 0.21	0.91	0
Educational expectations alter	-0.06	0.05		-0.15 - 0.04	0.12	0
Educational expectations ego	0.02	0.03		-0.04 - 0.07	0.76	0
Same educational expectations	0.10	0.04	**	0.02 - 0.19	0.99	0
<i>Interaction effects</i>						
Majority-Turkish X educational expectations alter	0.07	0.14		-0.23 - 0.33	0.71	0
Majority-other X educational expectations alter	0.12	0.08	+	-0.05 - 0.25	0.92	0
Turkish-majority X educational expectations alter	0.30	0.14	**	0.04 - 0.57	0.99	0
Turkish-Turkish X educational expectations alter	0.19	0.09	*	0.01 - 0.41	0.98	0
Turkish-other X educational expectations alter	0.09	0.10		-0.10 - 0.29	0.82	0
Other-majority X educational expectations alter	0.20	0.07	***	0.06 - 0.34	1.00	0
Other-Turkish X educational expectations alter	0.09	0.09		-0.09 - 0.24	0.84	0
Other-other X educational expectations alter	0.13	0.07	*	-0.01 - 0.26	0.97	0
Male alter	-0.05	0.04		-0.12 - 0.03	0.11	1
Male ego	0.13	0.04	***	0.04 - 0.22	1.00	1
Male ego X male alter	0.74	0.07	***	0.60 - 0.89	1.00	1
Scholastic performance alter	0.08	0.02	***	0.05 - 0.12	1.00	0
Scholastic performance ego	0.06	0.02	***	0.02 - 0.09	1.00	0
Similar scholastic performance	0.52	0.15	***	0.25 - 0.86	1.00	0
Similar HISEI	0.03	0.07		-0.12 - 0.17	0.69	0

continued

Table F1 continued.

	β	<i>SD</i>		Credible from to	Posterior probability	Varying
<i>Educational expectations</i>						
Linear shape (of educational expectations)	0.20	0.09	**	0.04 - 0.41	0.99	1
Quadratic shape	-0.06	0.07		-0.19 - 0.08	0.16	1
Turkish minority (ref. majority)	0.41	0.20	*	0.02 - 0.87	0.98	1
Other minority	0.25	0.12	*	0.00 - 0.47	0.98	0
<i>Social influence of friends among...</i>						
Majority-majority dyads	0.69	0.37	*	-0.05 - 1.49	0.97	0
Majority-Turkish dyads	-0.17	0.79		-1.87 - 1.32	0.43	0
Majority-other dyads	1.15	0.37	***	0.47 - 1.92	1.00	0
Turkish-majority dyads	1.54	1.16	+	-0.61 - 3.92	0.92	0
Turkish-Turkish dyads	-1.07	1.07		-3.31 - 0.86	0.17	0
Turkish-other dyads	0.36	0.62		-0.92 - 1.65	0.74	0
Other-majority dyads	0.79	0.47	*	-0.13 - 1.69	0.95	0
Other-Turkish dyads	0.42	0.54		-0.64 - 1.51	0.78	0
Other-other dyads	0.70	0.36	*	-0.05 - 1.39	0.97	0
Share of majority members in class	0.18	0.43		-0.63 - 1.00	0.63	0
Share of Turkish minority members in class	-0.21	0.50		-1.12 - 0.83	0.36	0
<i>Interaction effects</i>						
Share of majority members in class X social influence among Turkish-majority dyads	-0.20	6.37		- 13.52 - 13.00	0.50	0
Share of Turkish minority members in class X social influence among Turkish- Turkish dyads	6.35	3.14	*	0.05 - 12.18	0.98	0
Male	-0.04	0.10		-0.24 - 0.14	0.34	1
HISEI	0.01	0.00	***	0.00 - 0.01	1.00	0
GPA (within)	0.26	0.08	***	0.11 - 0.41	1.00	0
Scholastic performance	0.35	0.06	***	0.23 - 0.46	1.00	0