Online Appendix to "Practice Makes Voters? Effects of Student Mock Elections on Turnout"

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Data availability

In this article, we use individual level information obtained from various administrative registers. The data are stored on an encrypted server at Statistics Sweden and all our analysis have been conducted through a remote desktop application. We are under contractual obligation not to disseminate these data to other individuals. For interested researchers there are, however, two ways to get access to the administrative data used in this paper for replication purposes. The first possibility is to order the data directly from Statistics Sweden. Currently, Statistics Sweden requires that researchers obtain permission from a Swedish Ethical Review Board before data can be ordered (a description, in Swedish, of how to order data from Statistics Sweden is available at: https://www.scb.se/en/services/guidance-for-researchers-and-universities/). We will also make available a complete list of the variables that we ordered from Statistics Sweden for this project.

The second possibility to replicate our analyses for interested researchers is to come to Uppsala University and reanalyse these data through the same remote server system that we used for our analyses. Any researcher interested in using this option needs to contact us before coming to Sweden so that we can arrange with Statistics Sweden that the researcher is temporarily added to our research team, which is required in order to get access to the remote server system.

Variables and data sources

In the main analysis we make use of data from various administrative registers. In this subsection we describe this data in somewhat more detail.

- Birth month Information is retrieved from the Swedish Population Register.
- Female Equal to 1 if female. Information is retrieved from the Swedish Population Register.
- Immigrant background Statistics Sweden's standard variable measuring immigration background. The variable is classified into four categories: (i) born in Sweden and both parents born Sweden; (ii) born in Sweden and one of the parents born abroad; (iii) born in Sweden and both parents born abroad; and (iv) born abroad and both parents born abroad. Information is retrieved from the Swedish Population Register.

- GPA Grade point average from compulsory school. The grades in each subjected is recorded on a scale from 0 to 20 with higher number indicating better grades. Information is retrieved from the Upper Secondary School Application Record.
- School Categorical variable indicating which upper secondary school the individual was enrolled. Information is retrieved from information in the Upper Secondary School Application Record.
- School programme Categorical variable indicating which of the 18 national and 5 introductory programmes the individual was enrolled. Information is retrieved from information in the Upper Secondary School Application Record.
- Mock election Dummy variable indicating whether a school arranged mock elections in connection to each of the four parliamentary elections in 1998–2010. Information is retrieved from the Swedish Agency for Youth and Civil Society (MUCF by Swedish acronym).
- **Turnout EP** Turnout in the 2009 EP election. Information retrieved from Statistics Sweden.
- Turnout general Turnout in the 2010 general election. Information retrieved from Statistics Sweden.
- Parental turnout EP Average turnout among the parents in the 2009 EP election. Information retrieved from Statistics Sweden.
- Parental turnout general Average turnout among the parents in the 2010 general election. Information retrieved from Statistics Sweden.
- Parental income Average labor income of mother and father. Information is retrieved from the 1985 census.
- Parental education Highest education, in years, of mother and father. Information is retrieved from the 1985 census.
- Parental occupational status This variable is based on the occupational codes for mothers and fathers in the 1985 census (NYK-85). We converted NYK-85 codes into ISCO-88 format by using conversion keys developed by Statistics Sweden and Erik Bihagen (2007). In the next step, the occupational codes for mothers and fathers were translated into three different, but highly correlated, measures of occupational status: the International Socio-Economic Index (ISEI, Ganzeboom et al., 1992), the Standard International Occupational Prestige Scale (SIOPS, Treiman, 1977), and the International Cambridge Scale (ICAMS, Meraviglia et al., 2016; Prandy and Jones, 2001).

The SIOPS scale was constructed by Treiman (1977) through averaging the prestige scores of about 60 national prestige scales and then mapping the resulting scores into ISCO-68 occupational titles. The ISEI indicator is based on a different rationale and attempts to capture the process that translates educational credentials into income (Ganzeboom et al., 1992). More technically, the measure was constructed through an optimal scaling procedure in such a way as to maximise the role of occupation as a mediator between education and income. Lastly, the ICAMS score uses detailed information on inter-occupational marriage patterns to statistically estimate the "social distance" between different types of occupations (Prandy and Jones, 2001). The indicator thus measures occupational stratification. For reasons of international comparison, we here use the international CAMSIS scale developed by Meraviglia et al. (2016) based on information available in surveys of the International Social Survey Programme (ISSP) for the years 2001 to 2007.

The code to translate census occupational codes into ICAMS, ISEI, and SIOPS was downloaded from http://www.harryganzeboom.nl/isco88/ index.htm. We then computed the occupational status of fathers and mothers, respectively, as the average of these three indicators (they all vary between 0 and 100). Finally, parental occupational status is the maximum of father's and mother's occupational status. For a small number of individuals that have two non-employed parents, parental occupational status have been set to its sample minimum value.

Family SES — In this study we use a measure of socioeconomic status that is closely related to the *PISA index of economic, social, and cultural status* (ESCS), developed by the OECD. This is a simple average of parental earnings, parental education, and parental occupational status. All items are assigned the same weight in calculating the SES index and is based on the two indicators for which data is available if information on one of the indicators in the index is missing. To adjust for differences in scales between the variables, all three sub-items were initially standardised to have a mean of 0 and a standard deviation of 1 in the sample under study. Parental earnings were top coded at the 99th percentile before being standardised. The scale reliability of the resulting index is .79.

Whereas information on parental education and labor income are gathered directly from the registers our measure of occupational status is based on census occupation codes. More precisely, we use the occupation codes to compute three well-known measures of occupational status: the *International Socio-Economic Index* (ISEI, Ganzeboom et al., 1992)), the *Standard International Occupational Prestige Scale* (SIOPS, Treiman, 1977), and the International Cambridge Scale (ICAMS, Meraviglia et al., 2016; Prandy and Jones, 2001).¹ As shown by Meraviglia et al. (2016), despite the differences in conceptual underpinnings these three measures are very highly correlated and appear to reflect a single underlying dimension. We therefore use the average of these three indicators to measure mothers' and fathers' occupational statuses. The scale reliability of this index is .96 for fathers and .93 for mothers. For a small number of individuals that have two non-employed parents, parental occupational status has been set at its sample minimum value.

- School GPA Average GPA from the ninth grade at the school level.
- School parental turnout EP Average parental turnout in the 2009 EP election at the school level.
- School parental turnout general Average parental turnout in the 2010 general election at the school level.
- School family SES Average family SES at the school level.

Auxiliary results

In this subsection we provide some auxiliary summary statistics and regression results. Tables A1, A2, A3, and A4 present separate summary statistics for students enrolled in upper secondary school in each of the four election years 1998, 2002, 2006, and 2010. Tables A5, A6, and A7 present replications of the main results using turnout in the 2009 EP election as the outcome. Tables A8, A9, and A10 provide results from models using a logit estimator. Finally, we have divided our sample into quartiles depending on the average GPA and family SES at the school level, respectively, and estimated a model for each quartile. The results of those models are presented in Tables A11 and A12.

¹The code for translating census occupation codes into ICAMS, ISEI, and SIOPS was downloaded from http://www.harryganzeboom.nl/isco88/index.htm.

	Oba	Meen	Std Dorr	Min	Mor
	$\frac{000}{11}$	Mean	Stu. Dev.	IVIIII	Max
Turnout 2010 general election	a) All stud 220.224	ients See	240	0	1
Turnout 2010 general election	230,234	.800	.340	0	1
Furnout 2009 EP election	228,059	.405	.499	0	1
Female CDA (+1)	240,746	.503	.500	0	1 0.107
GPA (std.)	237,690	.013	.988	-5.167	3.127
Parents voted (general)	225,889	.912	.246	0	1
Parents voted (EP)	225,510	.537	.451	0	1
Family SES	240,598	146	.765	-1.933	2.725
School: Parents voted (general)	240,746	.910	.032	.4	1
School: Parents voted (EP)	240,737	.527	.091	0	.869
School: Family SES	240,746	092	.279	-1.576	1.130
School: GPA (std.)	240,746	.024	.408	-5.167	1.504
b) Students a	at schools u	vith moci	k elections		
Turnout 2010 general election	$38,\!074$.871	.335	0	1
Turnout 2009 EP election	$37,\!239$.475	.499	0	1
Female	$39,\!631$.506	.500	0	1
GPA (std.)	$39,\!178$.059	.949	-5.167	2.721
Parents voted (general)	$37,\!328$.913	.246	0	1
Parents voted (EP)	$36,\!370$.544	.451	0	1
Family SES	$39,\!607$	133	.762	-1.933	2.559
School: Parents voted (general)	$39,\!631$.913	.029	.690	.958
School: Parents voted (EP)	39,631	.542	.076	.314	.749
School: Family SES	39,631	133	.241	930	.574
School: GPA (std.)	$39,\!631$.059	.263	-1.127	.876
c) Students at	schools wit	hout mo	ock elections		
Turnout 2010 general election	192,160	.865	.342	0	1
Turnout 2009 EP election	191,420	.464	.499	0	1
Female	210.115	.502	.500	0	1
GPA (std.)	198,512	.004	.996	-5.167	3.127
Parents voted (general)	188.561	.912	.246	0	1
Parents voted (EP)	189.140	.536	.451	0	1
Family SES	200.991	149	.766	-1.933	2.725
School: Parents voted (general)	201.115	.909	.033	.4	1
School: Parents voted (EP)	201.106	.524	.093	0	.869
School: Family SES	201.115	084	.285	-1.576	1.130
School: GPA (std.)	201 115	017	430	-5 167	1 504

Table A1: Summary statistics, students enrolled in 1998

Note: Variables with 'School' prefix refer to school averages. GPA refers to average grade in class 9, standardised for each year. Variables regarding turnout refer to voting in the 2010 parliamentary election (general) and the 2009 European Parliament election (EP). Family SES is an average of parental earnings, parental education, and parental occupational status, where all items initially have been standardised to have a mean of 0 and a standard deviation of 1.

	Oba	Moon	Std Dov	Min	Mox		
	$\frac{008}{a}$ All star	donte	Stu. Dev.	IVIIII	Max		
Turnout 2010 general election	067 765	205	380	0	1		
Turnout 2010 general election	201,100	.020	.380	0	1		
Famala	200,001	.411	.492	0	1		
CDA (-+1)	279,094	.491	.500	1 0 0 0	1		
GPA (std.)	270,193	.002	.990	-4.808	2.314		
Parents voted (general)	203,857	.903	.254	0	1		
Parents voted (EP)	263,691	.512	.449	0	1		
Family SES	279,482	041	.784	-1.933	3.347		
School: Parents voted (general)	279,593	.903	.031	.5	1		
School: Parents voted (EP)	279,593	.503	.092	0	1		
School: Family SES	$279,\!594$.008	.276	-1.432	1.392		
School: GPA (std.)	279,593	.001	.436	-3.596	1.504		
b) Students at schools with mock elections							
Turnout 2010 general election	$142,\!155$.828	.377	0	1		
Turnout 2009 EP election	$141,\!474$.420	.494	0	1		
Female	$148,\!196$.500	.500	0	1		
GPA (std.)	$146,\!375$.052	.984	-4.868	2.253		
Parents voted (general)	140,069	.904	.254	0	1		
Parents voted (EP)	$140,\!625$.520	.450	0	1		
Family SES	148,122	022	.796	-1.933	3.347		
School: Parents voted (general)	148,196	.904	.033	.760	.980		
School: Parents voted (EP)	148,196	.513	.091	.226	.806		
School: Family SES	148,196	.027	.281	715	1.007		
School: GPA (std.)	148,196	.052	.400	-2.854	1.467		
c) Students at	schools wit	thout mo	ck elections				
Turnout 2010 general election	125.610	.821	.384	0	1		
Turnout 2009 EP election	124.057	.401	.490	0	1		
Female	131 398	481	500	Õ	1		
GPA (std.)	129 818	- 054	1.006	-4 868	2314		
Parents voted (general)	120,010 123,788	902	254	0	1		
Parents voted (EP)	123,066	503	448	Õ	1		
Family SES	131,360	- 062	768	-1 933	3.055		
School: Parents voted (general)	131,307	902	029	1.000	1		
School: Parents voted (EP)	131,007	491	.023	.5	1		
School: Family SES	131 398	- 013	269	-1 432	1 392		
School: GPA (std.)	131 307	015	.205 466	_3 506	1.002 1.504		
	191,997	007	.400	-9.990	1.004		

Table A2: Summary statistics, students enrolled in 2002

Note: See Table A1 for information about the variables.

	Oba	Moon	Std Dorr	Min	Mor		
	$\frac{008}{a}$	Mean Jonto	Stu. Dev.	IVIIII	Max		
Turnout 2010 general election	207 195	101115 201	207	0	1		
Turnout 2010 general election	204.070	.004	.397	0	1		
Famala	304,070 200 070	.417	.495	0	1		
CDA(+1)	322,278	.494	.500	0	1		
GPA (std.)	318,343	.001	.999	-4.180	2.189		
Parents voted (general)	305,629	.902	.252	0	1		
Parents voted (EP)	305,089	.497	.447	0	1		
Family SES	322,168	.063	.789	-1.933	3.615		
School: Parents voted (general)	$322,\!278$.902	.032	0	1		
School: Parents voted (EP)	$322,\!277$.499	.095	0	.808		
School: Family SES	$322,\!278$.018	.278	-1.564	1.428		
School: GPA (std.)	$322,\!277$	013	.452	-3.596	1.504		
b) Students at schools with mock elections							
Turnout 2010 general election	207,061	.809	.393	0	1		
Turnout 2009 EP election	204,037	.424	.494	0	1		
Female	$218,\!204$.502	.500	0	1		
GPA (std.)	$215,\!643$.051	.987	-4.186	2.189		
Parents voted (general)	$205,\!920$.903	.250	0	1		
Parents voted (EP)	204,792	.501	.448	0	1		
Family SES	$218,\!130$.081	.795	-1.933	3.377		
School: Parents voted (general)	218,204	.903	.031	.750	.972		
School: Parents voted (EP)	218,204	.504	.094	.226	.787		
School: Family SES	218,204	.029	.281	732	1.036		
School: GPA (std.)	218,204	.034	.411	-2.854	1.504		
c) Students at	schools wit	hout mo	ck elections				
Turnout 2010 general election	100.124	.795	.404	0	1		
Turnout 2009 EP election	100.033	.403	.491	0	1		
Female	104 074	478	500	Õ	1		
GPA (std.)	102 700	- 102	1 016	-4 088	2 189		
Parents voted (general)	99 709	899	254	0	1		
Parents voted (EP)	100,100 100,297	487	446	Õ	1		
Family SES	104 038	026	774	-1 933	3615		
School: Parents voted (general)	104,000	901	033	1.000	1		
School: Parents voted (EP)	104.073	490	.005	0	808		
School: Family SES	104,074	- 005	271	-1 564	1.428		
School: GPA (std.)	104.073	- 119	514	-3 506	1.420 1 467		
	104,073	110	.014	-9.990	1.401		

Table A3: Summary statistics, students enrolled in 2006

Note: See Table A1 for information about the variables.

	Obs.	Mean	Std. Dev.	Min	Max		
	a) All stu	udents					
Turnout 2010 general election	$79,\!361$.886	.318	0	1		
Female	$84,\!535$.484	.500	0	1		
GPA (std.)	$83,\!286$	047	1.046	-4.382	2.189		
Parents voted (general)	$79,\!348$.907	.244	0	1		
Parents voted (EP)	$79,\!105$.465	.447	0	1		
Family SES	84,516	.178	.829	-1.933	3.786		
School: Parents voted (general)	$84,\!535$.902	.034	0	1		
School: Parents voted (EP)	$84{,}532$.496	.100	0	1		
School: Family SES	$84,\!535$.033	.286	-1.528	1.428		
School: GPA (std.)	$84,\!535$	027	.475	-3.716	1.504		
b) Students at schools with mock elections							
Turnout 2010 general election	54,038	.894	.308	0	1		
Female	57,878	.492	.500	0	1		
GPA (std.)	57,025	.019	1.041	-4.382	2.189		
Parents voted (general)	$54,\!055$.911	.240	0	1		
Parents voted (EP)	54,011	.476	.449	0	1		
Family SES	$57,\!862$.206	.837	-1.933	3.786		
School: Parents voted (general)	$57,\!878$.905	.032	.5	1		
School: Parents voted (EP)	$57,\!878$.506	.098	.226	.806		
School: Family SES	$57,\!878$.049	.291	732	1.036		
School: GPA (std.)	$57,\!878$.029	.451	-3.428	1.504		
c) Students at	schools w	ithout m	ock elections	;			
Turnout 2010 general election	$25,\!323$.867	.339	0	1		
Female	$26,\!657$.466	.499	0	1		
GPA (std.)	26,261	191	1.043	-4.381	2.157		
Parents voted (general)	$25,\!293$.897	.254	0	1		
Parents voted (EP)	25,094	.440	.443	0	1		
Family SES	$26,\!654$.116	.809	-1.933	3.212		
School: Parents voted (general)	$26,\!657$.897	.038	0	1		
School: Parents voted (EP)	$26,\!654$.473	.100	0	1		
School: Family SES	$26,\!657$	003	.270	-1.528	1.428		
School: GPA (std.)	$26,\!657$	149	.503	-3.716	1.346		
Note: See Table A1 for informat	ion about	the var	iables.				

Table A4: Summary statistics, students enrolled in election year 2010

	А	В	С	D
Mock election	0.0167^{***}	-0.00129	0.000482	-0.000311
	(0.00627)	(0.00222)	(0.00235)	(0.00202)
School, Perents voted (general)		0.0259		0 160***
School. Farents voted (general)		(0.0352)		-0.100
		(0.0425)		(0.0403)
School: Parents voted (EP)		0.793^{***}		0.377^{***}
		(0.0239)		(0.0226)
Cohool, Family CEC		0 0220***		0.00000
School: Family SES		(0.0328)		(0.00829)
		(0.00847)		(0.00780)
School: GPA (std.)		0.0264^{***}		-0.0461^{***}
		(0.00481)		(0.00393)
Paranta voted (general)			0.020/***	0 0201***
ratents voted (general)			(0.0294)	(0.0301)
			(0.00214)	(0.00212)
Parents voted (EP)			0.354^{***}	0.349^{***}
			(0.00239)	(0.00238)
Formala			0.0109***	0 0009***
remaie			(0.0192)	(0.0203)
			(0.00141)	(0.00134)
Family SES			0.0216^{***}	0.0162^{***}
			(0.00111)	(0.000934)
CDA (atd.)			0.0599***	0.0549***
GFA (std.)			(0.0522)	(0.0048)
Birth year fixed effects	1	<u> </u>	(0.00143)	(0.00104)
School programme fixed effects	v	•	• •	• •
Immigration background fixed effects			\checkmark	\checkmark
N	750,174	$750,\!174$	$750,\!174$	$750,\!174$

Table A5: Turnout in European Parliament election 2009 among students enrolled 1998–2006. OLS regressions

 $\boxed{ * \ p < 0.10, \ ^{**} \ p < 0.05, \ ^{***} }$

Notes: Standard errors in parentheses. The models are estimated using pooled data of students enrolled at upper-secondary schools in 1998, 2002, and 2006. Variables with 'School' prefix refer to averages at school level. Variables regarding turnout refer to voting in the 2010 parliamentary election (general) and the 2009 European Parliament election (EP). Family SES is an average of parental earnings, parental education, and parental occupational status, where all items initially have been standardised to have a mean of 0 and a standard deviation of 1. GPA refers to average grade in class 9, standardised for each year. School programme refers to the 18 national and 5 introductory programmes available at upper-secondary schools. Immigration background is classified into four categories: the first three refer to people born in Sweden with both, only one, or none of their parents born in Sweden, and the fourth category contain foreign-born persons.

	Q1	Q2	Q3	$\mathbf{Q4}$
Mock elections	-0.00298	-0.00372	0.000143	0.00673^{*}
	(0.00260)	(0.00265)	(0.00285)	(0.00347)
	0.0000*	0 000***	0 4 0 0 * * *	0 0 - 4 + + +
School: Parents voted (general)	0.0826*	-0.203***	-0.193***	-0.251***
	(0.0496)	(0.0545)	(0.0597)	(0.0852)
School: Parents voted (EP)	0.275^{***}	0.372^{***}	0.369***	0 507***
	(0.0277)	(0.012)	(0.0332)	(0.0438)
	(0.0211)	(0.0200)	(0.0002)	(0.0100)
School: GPA (std.)	-0.0387***	-0.0563***	-0.0504***	-0.0434***
	(0.00509)	(0.00551)	(0.00493)	(0.00706)
	· · · · ·	· /	~ /	()
Female	-0.0186^{***}	-0.0216^{***}	-0.0222^{***}	-0.0200***
	(0.00242)	(0.00253)	(0.00250)	(0.00253)
	0.0201***	0.0965***	0 0969***	0.0106**
Parents voted (general)	$(0.0381^{\circ\circ})$	(0.0305)	(0.0303^{++})	$(0.0180^{\circ\circ})$
	(0.00302)	(0.00369)	(0.00530)	(0.00803)
Parents voted (EP)	0.318***	0.347^{***}	0.361^{***}	0.370***
	(0.00334)	(0.00302)	(0.00342)	(0.00380)
	()	()	()	()
GPA (std.)	0.0469^{***}	0.0556^{***}	0.0614^{***}	0.0567^{***}
	(0.00152)	(0.00152)	(0.00164)	(0.00209)
Birth year fixed effects	\checkmark	\checkmark	\checkmark	\checkmark
School programme fixed effects	\checkmark	\checkmark	\checkmark	\checkmark
Immigration background fixed effects	\checkmark	\checkmark	\checkmark	\checkmark
N	$190,\!272$	193,041	$191,\!158$	175,703

Table A6: Turnout in European Parliament election 2009 among students enrolled in election years 1998–2006, by family SES quartile. OLS regressions

* p < 0.10, ** p < 0.05, *** p < 0.01

Notes: Standard errors in parentheses. Students enrolled at upper-secondary schools in election years 1998–2010 have been divided into quartiles depending on their family SES, and a model has been estimated for each quartile. For more information about the variables, see Table A5.

	1998	2002	2006
Mock election	-0.00448	0.00161	0.00206
	(0.00344)	(0.00282)	(0.00305)
	0.0400	0.100*	0.440***
School: Parents voted (general)	0.0423	-0.109*	-0.443***
	(0.0509)	(0.0647)	(0.0652)
School: Parents voted (EP)	0 326***	0 421***	0 402***
School: I archis voted (EI)	(0.020)	(0.0347)	(0.0328)
	(0.0200)	(0.0041)	(0.0020)
School: GPA (std.)	-0.0521***	-0.0482***	-0.0402***
	(0.00550)	(0.00548)	(0.00478)
	()		
Female	-0.0183^{***}	-0.00742^{***}	-0.0337***
	(0.00235)	(0.00230)	(0.00209)
Parents voted (general)	0.0559^{***}	0.0360^{***}	0.00770^{**}
	(0.00434)	(0.00338)	(0.00306)
Depents voted (FD)	0 999***	0.985***	0 191***
ratents voted (Er)	(0.232)	(0.200)	(0.00254)
	(0.00270)	(0.00270)	(0.00254)
GPA (std.)	0.0641***	0.0627***	0.0428***
	(0.00198)	(0.00157)	(0.00135)
Birth year fixed effects	\checkmark	\checkmark	\checkmark
School programme fixed effects	\checkmark	\checkmark	\checkmark
Immigration background fixed effects	\checkmark	\checkmark	\checkmark
N	208,283	244,443	289,346

Table A7: Turnout in European Parliamentary election 2009 among students enrolled in different election years 1998–2006. OLS regressions

Notes: Standard errors in parentheses. A separate model has been estimated for students enrolled at upper-secondary schools in 1998, 2002, and 2006. For information about the variables. see Table A5.

	1	2	3	4
Mock election	0.0673***	0.0111	0.0175	0.00202
	(0.0215)	(0.0109)	(0.0118)	(0.00148)
	· · · ·	· · · ·		· · · ·
School: Parents voted (general)		3.141^{***}		0.0930***
		(0.210)		(0.0313)
School: Parants voted (FP)		1 896***		0 168***
School. I arents voted (EI)		(0.125)		(0.103)
		(0.125)		(0.0102)
School: Family SES		0.0522		-0.0107**
v		(0.0396)		(0.00479)
				· · · ·
School: GPA (std.)		0.0941^{***}		-0.0261***
		(0.0213)		(0.00273)
Parents voted (general)			1 316***	0 260***
i arcints voted (general)			(0.0137)	(0.200)
			(0.0137)	(0.00505)
Parents voted (EP)			0.628^{***}	0.0695^{***}
× ,			(0.00796)	(0.00106)
Female			0.122***	0.0122***
			(0.00899)	(0.00107)
Family SES			0 0695***	0 00389***
Family SES			(0.0059)	(0.000000)
			(0.00597)	(0.00043)
GPA (std.)			0.233^{***}	0.0320***
			(0.00623)	(0.000778)
Birth year fixed effects	\checkmark	\checkmark	\checkmark	\checkmark
School programme fixed effects			\checkmark	\checkmark
Immigration background fixed effects			\checkmark	\checkmark
N	820,059	820,059	$820,\!059$	$820,\!059$

Table A8: Turnout in parliamentary election 2010 among students enrolled in election years 1998–2010. Logit regressions

 $\boxed{ * \ p < 0.10, \ ^{**} \ p < 0.05, \ ^{***} }$

Notes: Standard errors in parentheses. The models are estimated using logit models on pooled data of students enrolled at upper-secondary schools in 1998, 2002, 2006, and 2010. Variables with 'School' prefix refer to averages at school level. Variables regarding turnout refer to voting in the 2010 parliamentary election (general) and the 2009 European Parliament election (EP). Family SES is an average of parental earnings, parental education, and parental occupational status, where all items initially have been standardised to have a mean of 0 and a standard deviation of 1. GPA refers to average grade in class 9, standardised for each year. School programme refers to the 18 national and 5 introductory programmes available at upper-secondary schools. Immigration background is classified into four categories: the first three refer to people born in Sweden with both, only one, or none of their parents born in Sweden, and the fourth category contain foreign-born persons.

Mock election 0.0182 (0.0152) 0.00962 (0.0160) 0.0188 (0.0180) 0.0299 (0.0200) School: Parents voted (general) 0.769^{***} (0.290) 0.754^{**} (0.350) 0.253 (0.399) 0.135 (0.399) School: Parents voted (EP) 0.907^{***} (0.161) 1.364^{***} (0.161) 1.543^{***} (0.180) 2.128^{***} (0.161) School: GPA (std.) -0.212^{***} (0.0314) -0.246^{***} (0.0180) -0.156^{***} (0.0314) 0.0720^{***} (0.0280) Female 0.146^{***} (0.0145) 0.0720^{***} (0.0159) 0.0965^{***} (0.0169) Parents voted (general) 1.253^{***} (0.0184) 1.379^{***} (0.0222) 1.320^{***} (0.0278) Parents voted (EP) 0.533^{***} (0.0152) 0.632^{***} (0.0152) 0.670^{***} (0.0182) GPA (std.) 0.217^{***} (0.00820) 0.270^{***} (0.00811) 0.243^{***} $(0.00906)Birth year fixed effectsSchool programme fixed effects\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmark\checkmarkN200.317209.738211.072198.878$		Q1	Q2	Q3	Q4
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Mock election	0.0182	0.00962	0.0188	0.0299
School: Parents voted (general) 0.769^{***} (0.290) 0.754^{**} (0.350) 0.253 (0.399) 0.135 (0.480)School: Parents voted (EP) 0.907^{***} (0.161) 1.364^{***} (0.180) 1.543^{***} (0.190) 2.128^{***} (0.260)School: GPA (std.) -0.212^{***} (0.0314) -0.223^{***} (0.0318) -0.246^{***} (0.0280) -0.156^{***} (0.0368)Female 0.146^{***} (0.0145) 0.145^{***} (0.0159) 0.0720^{***} (0.0156) 0.0965^{***} (0.0169)Parents voted (general) 1.253^{***} (0.0184) 1.379^{***} (0.0222) 1.320^{***} (0.0278) 0.3920^{***} (0.0392)Parents voted (EP) 0.533^{***} (0.0152) 0.600^{***} (0.0152) 0.632^{***} (0.0148) 0.670^{***} (0.0182)GPA (std.) 0.217^{***} (0.00820) 0.265^{***} (0.00811) 0.243^{***} (0.00906) 0.243^{***} (0.0112)Birth year fixed effects School programme fixed effects Immigration background fixed effects \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark 200.317 209.738 211.072 21198.878		(0.0152)	(0.0160)	(0.0180)	(0.0200)
School: Parents voted (general) 0.769^{***} 0.754^{**} 0.253 0.135 School: Parents voted (EP) 0.907^{***} 1.364^{***} 1.543^{***} 2.128^{***} School: GPA (std.) -0.212^{***} -0.223^{***} -0.246^{***} -0.156^{***} School: GPA (std.) -0.212^{***} -0.223^{***} 0.0720^{***} 0.0965^{***} School: GPA (std.) 0.146^{***} 0.145^{***} 0.0720^{***} 0.0965^{***} Parents voted (general) 1.253^{***} 1.405^{***} 1.379^{***} 1.320^{***} Parents voted (EP) 0.533^{***} 0.600^{***} 0.632^{***} 0.670^{***} (0.0152) (0.0148) (0.0182) (0.0182) GPA (std.) 0.217^{***} 0.265^{***} 0.270^{***} 0.243^{***} Birth year fixed effects \checkmark \checkmark \checkmark \checkmark \checkmark \sqrt{V} \checkmark \checkmark <td></td> <td></td> <td></td> <td></td> <td></td>					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	School: Parents voted (general)	0.769^{***}	0.754^{**}	0.253	0.135
School: Parents voted (EP) $0.907^{***}_{(0.161)}$ $1.364^{***}_{(0.180)}$ $1.543^{***}_{(0.260)}$ $2.128^{***}_{(0.260)}$ School: GPA (std.) $-0.212^{***}_{(0.0314)}$ $-0.223^{***}_{(0.0318)}$ $-0.246^{***}_{(0.0368)}$ $-0.156^{***}_{(0.0368)}$ Female $0.146^{***}_{(0.0145)}$ $0.145^{***}_{(0.0159)}$ $0.0720^{***}_{(0.0169)}$ $0.0965^{***}_{(0.0169)}$ Parents voted (general) $1.253^{***}_{(0.0184)}$ $1.405^{***}_{(0.0122)}$ $1.379^{***}_{(0.0392)}$ $1.320^{***}_{(0.0392)}$ Parents voted (EP) $0.533^{***}_{(0.0152)}$ $0.632^{***}_{(0.0148)}$ $0.670^{***}_{(0.0182)}$ $0.670^{***}_{(0.0182)}$ GPA (std.) $0.217^{***}_{(0.00820)}$ $0.265^{***}_{(0.00811)}$ $0.243^{***}_{(0.0112)}$ Birth year fixed effects \checkmark \checkmark \checkmark \checkmark School programme fixed effects \checkmark \checkmark \checkmark \checkmark N 200.317 209.738 211.072 198.878		(0.290)	(0.350)	(0.399)	(0.480)
School: Further (DF) 0.001^{-1} 1.017^{-1} 1.019^{-1} 2.120^{-1} (0.161)(0.180)(0.190)(0.260)School: GPA (std.) -0.212^{***} -0.223^{***} -0.246^{***} -0.156^{***} (0.0314)(0.0318)(0.0280)(0.0368)Female 0.146^{***} 0.145^{***} 0.0720^{***} 0.0965^{***} (0.0145)(0.0159)(0.0156)(0.0169)Parents voted (general) 1.253^{***} 1.405^{***} 1.379^{***} 1.320^{***} (0.0184)(0.0222)(0.0278)(0.0392)Parents voted (EP) 0.533^{***} 0.600^{***} 0.632^{***} 0.670^{***} (0.0152)(0.0152)(0.0148)(0.0182)GPA (std.) 0.217^{***} 0.265^{***} 0.270^{***} 0.243^{***} Birth year fixed effects \checkmark \checkmark \checkmark \checkmark \checkmark School programme fixed effects \checkmark \checkmark \checkmark \checkmark \checkmark N 200.317 209.738 211.072 198.878	School: Parents voted (EP)	0 907***	1 364***	1 543***	2 128***
School: GPA (std.) -0.212^{***} (0.0314) -0.223^{***} (0.0318) -0.246^{***} (0.0280) -0.156^{***} (0.0368)Female 0.146^{***} (0.0145) 0.145^{***} (0.0159) 0.0720^{***} (0.0156) 0.0965^{***} (0.0169)Parents voted (general) 1.253^{***} (0.0184) 1.405^{***} (0.0222) 1.379^{***} (0.0278) 1.320^{***} (0.0392)Parents voted (EP) 0.533^{***} (0.0152) 0.600^{***} (0.0152) 0.632^{***} (0.0148) 0.670^{***} (0.0182)GPA (std.) 0.217^{***} (0.00820) 0.265^{***} (0.00811) 0.270^{***} (0.00906) 0.243^{***} (0.0112)Birth year fixed effects School programme fixed effects \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark N 200.317 209.738 211.072 211.072 198.878	School: I alches voted (EI)	(0.161)	(0.180)	(0.100)	(0.260)
School: GPA (std.) -0.212^{***} (0.0314) -0.223^{***} (0.0318) -0.246^{***} (0.0280) -0.156^{***} (0.0368)Female 0.146^{***} (0.0145) 0.145^{***} (0.0159) 0.0720^{***} (0.0156) 0.0965^{***} (0.0169)Parents voted (general) 1.253^{***} (0.0184) 1.405^{***} (0.0222) 1.379^{***} (0.0278) 1.320^{***} (0.0392)Parents voted (EP) 0.533^{***} (0.0152) 0.600^{***} (0.0152) 0.632^{***} (0.0148) 0.670^{***} (0.0182)GPA (std.) 0.217^{***} (0.00820) 0.265^{***} (0.00811) 0.243^{***} (0.00906) 0.243^{***} (0.0112)Birth year fixed effects School programme fixed effects \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark N 200.317 209.738 211.072 211.072 198.878		(0.101)	(0.180)	(0.130)	(0.200)
Female (0.0314) (0.0318) (0.0280) (0.0368) Female 0.146^{***} 0.145^{***} 0.0720^{***} 0.0965^{***} (0.0145) (0.0145) (0.0159) (0.0156) (0.0169) Parents voted (general) 1.253^{***} 1.405^{***} 1.379^{***} 1.320^{***} Parents voted (EP) 0.533^{***} 0.600^{***} 0.632^{***} 0.670^{***} GPA (std.) 0.217^{***} 0.265^{***} 0.270^{***} 0.243^{***} Birth year fixed effects \checkmark \checkmark \checkmark \checkmark School programme fixed effects \checkmark \checkmark \checkmark \checkmark N200.317209.738211.072198.878	School: GPA (std.)	-0.212***	-0.223***	-0.246***	-0.156***
Female 0.146^{***} (0.0145) 0.145^{***} (0.0159) 0.0720^{***} (0.0156) 0.0965^{***} (0.0169) Parents voted (general) 1.253^{***} (0.0184) 1.405^{***} (0.0222) 1.379^{***} (0.0278) 1.320^{***} (0.0392) Parents voted (EP) 0.533^{***} (0.0152) 0.600^{***} (0.0152) 0.632^{***} (0.0148) 0.670^{***} (0.0182) GPA (std.) 0.217^{***} (0.00820) 0.265^{***} (0.00811) 0.270^{***} (0.00906) 0.243^{***} (0.0112) Birth year fixed effects \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark N200.317209.738211.072198.878		(0.0314)	(0.0318)	(0.0280)	(0.0368)
Female 0.146^{***} 0.145^{***} 0.0720^{***} 0.0965^{***} (0.0145)(0.0159)(0.0156)(0.0169)Parents voted (general) 1.253^{***} 1.405^{***} 1.379^{***} 1.320^{***} (0.0184)(0.0222)(0.0278)(0.0392)Parents voted (EP) 0.533^{***} 0.600^{***} 0.632^{***} 0.670^{***} (0.0152)(0.0152)(0.0148)(0.0182)GPA (std.) 0.217^{***} 0.265^{***} 0.270^{***} 0.243^{***} Birth year fixed effects \checkmark \checkmark \checkmark \checkmark \checkmark School programme fixed effects \checkmark \checkmark \checkmark \checkmark \checkmark N200.317209.738211.072198.878		()	()	()	()
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Female	0.146^{***}	0.145^{***}	0.0720^{***}	0.0965^{***}
Parents voted (general) 1.253^{***} 1.405^{***} 1.379^{***} 1.320^{***} Parents voted (EP) 0.533^{***} 0.600^{***} 0.632^{***} 0.670^{***} GPA (std.) 0.217^{***} 0.265^{***} 0.270^{***} 0.243^{***} Birth year fixed effects \checkmark \checkmark \checkmark \checkmark School programme fixed effects \checkmark \checkmark \checkmark \checkmark N 200.317 209.738 211.072 198.878		(0.0145)	(0.0159)	(0.0156)	(0.0169)
Parents voted (general) 1.253^{***} 1.405^{***} 1.379^{***} 1.320^{***} Parents voted (EP) (0.0184) (0.0222) (0.0278) (0.0392) Parents voted (EP) 0.533^{***} 0.600^{***} 0.632^{***} 0.670^{***} GPA (std.) 0.217^{***} 0.265^{***} 0.270^{***} 0.243^{***} Birth year fixed effects \checkmark \checkmark \checkmark \checkmark School programme fixed effects \checkmark \checkmark \checkmark \checkmark N 200.317 209.738 211.072 198.878		1 0 - 0 + + + +	.		1 000***
Parents voted (EP) (0.0184) (0.0222) (0.0278) (0.0392) Parents voted (EP) 0.533^{***} 0.600^{***} 0.632^{***} 0.670^{***} (0.0152) (0.0152) (0.0148) (0.0182) GPA (std.) 0.217^{***} 0.265^{***} 0.270^{***} 0.243^{***} Birth year fixed effects \checkmark \checkmark \checkmark \checkmark School programme fixed effects \checkmark \checkmark \checkmark \checkmark Immigration background fixed effects \checkmark \checkmark \checkmark \checkmark N200.317209.738211.072198.878	Parents voted (general)	1.253***	1.405***	1.379***	1.320***
Parents voted (EP) 0.533^{***} 0.600^{***} 0.632^{***} 0.670^{***} GPA (std.) 0.217^{***} 0.265^{***} 0.270^{***} 0.243^{***} Birth year fixed effects \checkmark \checkmark \checkmark \checkmark School programme fixed effects \checkmark \checkmark \checkmark \checkmark M 200.317 209.738 211.072 198.878		(0.0184)	(0.0222)	(0.0278)	(0.0392)
GPA (std.) (0.0152) (0.0152) (0.0148) (0.0182) GPA (std.) 0.217^{***} 0.265^{***} 0.270^{***} 0.243^{***} Birth year fixed effects \checkmark \checkmark \checkmark \checkmark School programme fixed effects \checkmark \checkmark \checkmark \checkmark Immigration background fixed effects \checkmark \checkmark \checkmark \checkmark N 200.317 209.738 211.072 198.878	Parents voted (EP)	0.533^{***}	0.600***	0.632***	0.670***
GPA (std.) 0.217^{***} 0.265^{***} 0.270^{***} 0.243^{***} Birth year fixed effects \checkmark \checkmark \checkmark \checkmark School programme fixed effects \checkmark \checkmark \checkmark \checkmark Immigration background fixed effects \checkmark \checkmark \checkmark \checkmark N200.317209.738211.072198.878	()	(0.0152)	(0.0152)	(0.0148)	(0.0182)
GPA (std.) 0.217^{***} 0.265^{***} 0.270^{***} 0.243^{***} (0.00820) (0.00811) (0.00906) (0.0112) Birth year fixed effects \checkmark \checkmark \checkmark School programme fixed effects \checkmark \checkmark \checkmark Immigration background fixed effects \checkmark \checkmark \checkmark N 200.317 209.738 211.072 198.878		(0.0101)	(0.0101)	(0.0110)	(0.0101)
(0.00820) (0.00811) (0.00906) (0.0112) Birth year fixed effects \checkmark \checkmark \checkmark \checkmark School programme fixed effects \checkmark \checkmark \checkmark \checkmark Immigration background fixed effects \checkmark \checkmark \checkmark \checkmark N 200.317 209.738 211.072 198.878	GPA (std.)	0.217^{***}	0.265^{***}	0.270^{***}	0.243^{***}
Birth year fixed effects \checkmark \checkmark \checkmark \checkmark School programme fixed effects \checkmark \checkmark \checkmark \checkmark Immigration background fixed effects \checkmark \checkmark \checkmark \checkmark N200.317209.738211.072198.878		(0.00820)	(0.00811)	(0.00906)	(0.0112)
School programme fixed effects \checkmark \checkmark \checkmark \checkmark Immigration background fixed effects \checkmark \checkmark \checkmark \checkmark N200.317209.738211.072198.878	Birth year fixed effects	Ì √	Ì √	Ì √	Ì √
Immigration background fixed effects \checkmark \checkmark \checkmark \checkmark N200.317209.738211.072198.878	School programme fixed effects	\checkmark	\checkmark	\checkmark	\checkmark
N 200.317 209.738 211.072 198.878	Immigration background fixed effects	\checkmark	\checkmark	\checkmark	\checkmark
	N	200,317	209,738	211,072	198,878

Table A9: Turnout in parliamentary election 2010 among students enrolled in election years 1998–2010, by family SES quartile. Logit regressions

Notes: Results from logit regressions. Standard errors in parentheses. Students enrolled at upper-secondary schools in election years 1998–2010 have been divided into quartiles depending on their family SES, and a model has been estimated for each quartile. Family SES is an average of parental earnings, parental education, and parental occupational status, where all items initially have been standardised to have a mean of 0 and a standard deviation of 1. For information about the other variables, see Table A5.

	1998	2002	2006	2010
Mock election	0.00672	0.000107	0.0353**	0.0322
	(0.0256)	(0.0178)	(0.0180)	(0.0399)
School: Parents voted (general)	1.243^{***}	1.198^{***}	-0.880**	-0.809
	(0.309)	(0.381)	(0.388)	(0.731)
School, Doronta rotad (FD)	1 904***	1 910***	1 110***	1 709***
School: Falents voted (EF)	1.204	(0.100)	1.440	(0.25c)
	(0.168)	(0.198)	(0.190)	(0.350)
School: GPA (std.)	-0.203***	-0.244***	-0.220***	-0.0999
	(0.0295)	(0.0304)	(0.0323)	(0.0663)
	(0.0200)	(0.0001)	(0.00-0)	(0.0000)
Female	0.0929^{***}	0.164^{***}	0.0986^{***}	0.133^{***}
	(0.0161)	(0.0143)	(0.0126)	(0.0329)
Parents voted (general)	1.069^{***}	1.117***	1.410^{***}	2.364^{***}
	(0.0240)	(0.0211)	(0.0205)	(0.0443)
Parents voted (EP)	0 510***	0 577***	0 681***	0 762***
	(0.0160)	(0.0112)	(0.001)	(0.0348)
	(0.0109)	(0.0142)	(0.0131)	(0.0348)
GPA (std.)	0.229***	0.267^{***}	0.235^{***}	0.268^{***}
	(0.00927)	(0.00844)	(0.00770)	(0.0146)
Birth year fixed effects	Ì √ Í	Ì √ Í	Ì √ Í	Ì √
School programme fixed effects	\checkmark	\checkmark	\checkmark	\checkmark
Immigration background fixed effects	\checkmark	\checkmark	\checkmark	\checkmark
N	208,807	245,471	290,264	75,541

Table A10: Turnout in parliamentary election 2010 among students enrolled in different election years 1998–2010. Logit regressions

Notes: Results from logit regressions. Standard errors in parentheses. A separate model has been estimated for students enrolled at upper-secondary schools in 1998, 2002, 2006, and 2010. For information about the variables, see Table A5.

	Q1	Q2	Q3	Q4
Mock election	0.000312	0.00483	-0.000168	-0.000848
	(0.00303)	(0.00302)	(0.00290)	(0.00234)
School: Parents voted (general)	0.00189	0.235***	0.128	-0.0431
	(0.0486)	(0.0825)	(0.0827)	(0.0626)
School: Parents voted (EP)	0.184***	0.0821**	0.150***	0.242***
	(0.0305)	(0.0406)	(0.0303)	(0.0275)
Female	0.0211***	0.0135***	0.0126***	0.00478***
	(0.00270)	(0.00219)	(0.00213)	(0.00133)
Parents voted (general)	0.285***	0.262***	0.248***	0.228***
rateries (Serierar)	(0.00501)	(0.00662)	(0.00549)	(0.00660)
Parents voted (EP)	0 0809***	0 0728***	0 0669***	0 0577***
	(0.00206)	(0.00215)	(0.00202)	(0.00187)
CPA (std.)	0 030/***	0 0357***	0 0333***	0 0226***
	(0.00162)	(0.00155)	(0.00152)	(0.00119)
Birth year fixed effects	\checkmark	\checkmark	\checkmark	Ì √
School programme fixed effects	\checkmark	\checkmark	\checkmark	\checkmark
Immigration background fixed effects	\checkmark	\checkmark	\checkmark	\checkmark
N	$206,\!699$	203,311	200,752	209,321

Table A11: Turnout in parliamentary election 2010 among students enrolled in election years 1998–2010, by quartiles based on average school GPA. OLS regressions

Notes: Standard errors in parentheses. Students enrolled at upper-secondary schools in election years 1998–2010 have been divided into quartiles depending on the average GPA of the students in their school, and a model has been estimated for each quartile. GPA refers to average grade in class 9, standardised for each year. For information about the other variables, see Table A5.

Table A12: Turnout in parliamentary election 2010 among students enrolled in election years 1998–2010, by quartiles based on average family SES in school. OLS regressions

	Q1	Q2	Q3	Q4
Mock election	0.00469	0.00291	-0.00124	0.00107
	(0.00289)	(0.00308)	(0.00267)	(0.00247)
Calcard, Demonstrate d (marcard)	0 0009**	0.150*	0.0601	0.0415
School: Parents voted (general)	$(0.0592)^{-1}$	(0.139)	(0.0001)	-0.0410
	(0.0504)	(0.0913)	(0.0910)	(0.0029)
School: Parents voted (EP)	0.137***	0.112^{***}	0.177***	0.251^{***}
	(0.0292)	(0.0429)	(0.0309)	(0.0265)
	· · · ·	× ,	~ /	
School: GPA (std.)	-0.0305***	-0.0270***	-0.0271***	-0.0178***
	(0.00614)	(0.00876)	(0.00614)	(0.00293)
Female	0 0118***	0 0180***	0 0124***	0 00723***
Temate	(0.0110)	(0.0100)	(0.0124)	(0.00125)
	(0.00210)	(0.00215)	(0.00202)	(0.00100)
Parents voted (general)	0.274^{***}	0.264^{***}	0.258^{***}	0.231^{***}
	(0.00534)	(0.00599)	(0.00606)	(0.00592)
	0.0740***		0.0500***	0 0 0 0 1 ***
Parents voted (EP)	0.0740^{***}	0.0727^{***}	0.0706^{***}	0.0601^{***}
	(0.00216)	(0.00217)	(0.00193)	(0.00195)
GPA (std.)	0.0357***	0.0357***	0.0357***	0 0214***
(2000)	(0.00148)	(0.00142)	(0.00153)	(0.00122)
Birth year fixed effects	(0.00110) ✓	(0.0011 <u>)</u>	(0.00100) ✓	(0.001 <u>-</u>)
School programme fixed effects	\checkmark	\checkmark	\checkmark	\checkmark
Immigration background fixed effects	\checkmark	\checkmark	\checkmark	\checkmark
N	204,830	202,084	206,465	206,704

Notes: Standard errors in parentheses. Students enrolled at upper-secondary schools in election years 1998–2010 have been divided into quartiles depending on the average family SES among the students in their school, and a model has been estimated for each quartile. Family SES is an average of parental earnings, parental education, and parental occupational status, where all items initially have been standardised to have a mean of 0 and a standard deviation of 1. For information about the other variables, see Table A5.

References

- Bihagen, E. (2007). Nya möjligheter för stratifieringsforskning i Sverige. Sociologisk forskning 44 (1), 52–67.
- Ganzeboom, H. B., P. M. D. Graaf, and D. J. Treiman (1992). A standard international socio-economic index of occupational status. *Social Science Research* 21(1), 1–56.
- Meraviglia, C., H. B. Ganzeboom, and D. D. Luca (2016). A new international measure of social stratification. *Contemporary Social Science* 11(2), 125–153.
- Prandy, K. and F. L. Jones (2001). An international comparative analysis of marriage patterns and social stratification. *International Journal of Sociology and Social Policy* 21 (4/5/6), 165–183.
- Treiman, D. J. (1977). Occupational Prestige in Comparative Perspective. New York: Academic Press.