The Socialization of Meritocracy and Market Justice Preferences at School

Back Matter

Acknowledgments

Authors' Contributions

Conceptualization, Juan Carlos Castillo & Mauricio Salgado; Methodology, Juan Carlos Castillo, Kevin Carrasco & Andreas Laffert; Software, Kevin Carrasco & Andreas Laffert; Formal Analysis, Kevin Carrasco & Andreas Laffert; Writing – Original Draft Preparation, Juan Carlos Castillo, Mauricio Salgado, Kevin Carrasco & Andreas Laffert; Visualization, Kevin Carrasco & Andreas Laffert; Supervision, Juan Carlos Castillo.

Conflict of Interest

The authors report no competing interests to declare.

Funding

Data Avaibility Statement

The original data presented in the study are openly available in https://www.agenciaeducacion.cl/orientar/estudios/estudios-nacionales/

Access the data, code, and analysis presented in the study are openly available in https://github.com/educacion-meritocracia/market-justice-preferences-school.

Table 1: Translation of items for health, pensions, and education

English Translation	Original Spanish
It is just that in Chile people with higher incomes can access better health services than people with low incomes	Es justo que en Chile las personas con mayores ingresos puedan acceder a una mejor atención de salud que las personas con ingresos más bajos
It is just that in Chile people with higher incomes can have better pensions than people with low incomes	Es justo que en Chile las personas con mayores ingresos puedan tener mejores pensiones que las personas de ingresos más bajos
It is just that in Chile people who can pay have a better education for their children	Es justo que en Chile las personas que puedan pagar tengan una mejor educación para sus hijos

Supplementary Material

Translated items for market justice preferences

Complete multilevel models

Table 2: Cumulative Link Multilevel Models for Justifying Differential Access to Health Care

	Model 0	Model 1	Model 2	Model 3	Model 4	Model 5
Strongly Disagree|Disagree	−0.55***	1.23***	1.20***	1.24***	1.05***	1.04***
	(0.04)	(0.20)	(0.20)	(0.22)	(0.23)	(0.23)
Disagree|Agree	0.68***	2.54***	2.52***	2.55***	2.37***	2.36***
	(0.04)	(0.20)	(0.20)	(0.22)	(0.24)	(0.24)
Agree|Strongly Agree	2.25***	4.20***	4.18***	4.22***	4.03***	4.02***
	(0.06)	(0.21)	(0.21)	(0.23)	(0.24)	(0.24)
School talent		0.23***	0.23***	0.23***	0.22***	0.22***
		(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
School effort		−0.27***	−0.26***	−0.26***	−0.26***	−0.26***
		(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Social talent		0.16***	0.16***	0.16***	0.16***	0.16***
		(0.05)	(0.05)	(0.05)	(0.05)	(0.05)
Social effort		0.11*	0.11*	0.11*	0.11*	0.11*
		(0.05)	(0.05)	(0.05)	(0.05)	(0.05)
Deservingness		0.52***	0.52***	0.52***	0.51***	0.51***
		(0.05)	(0.05)	(0.05)	(0.05)	(0.05)
Parental education (Ref.= Non-university)						
University or posgraduate			0.05	0.05	0.06	0.08
			(0.08)	(0.08)	(0.08)	(0.08)
Missing			0.10	0.10	0.10	0.11
			(0.06)	(0.06)	(0.06)	(0.06)
More than 25 books (Ref.= Less than 25)			−0.16**	−0.16**	−0.14*	−0.13*
			(0.06)	(0.06)	(0.06)	(0.06)
Technology acces				0.00	0.00	0.00
				(0.01)	(0.01)	(0.01)
No internet connectivity (Ref.= Internet connectivity)				0.03	0.01	−0.00
				(0.06)	(0.07)	(0.07)
Socioeconomic level (Ref.= Low)						
SES Medium					0.04	0.08
					(0.10)	(0.10)
SES High					0.48**	0.71*
					(0.16)	(0.28)
Achievement score (Ref.= Low)						
Simce Medium					−0.31***	−0.29***
					(0.08)	(0.08)
Simce High					−0.61***	−0.56***
					(0.09)	(0.10)
Prop. university level at school						−0.34
						(0.36)
School dependence (Ref.= Public)						
Subsidized Private						−0.05
						(0.08)
Private						−0.14
						(0.27)
Log Likelihood	−6581.84	−6314.90	−6309.98	−6309.70	−6287.72	−6286.73
AIC	13171.69	12647.80	12643.95	12649.39	12613.44	12617.47
BIC	13197.87	12706.71	12722.50	12747.58	12737.80	12761.47
Num.obs	5144	5144	5144	5144	5144	5144
Num. groups: Schools	231	231	231	231	231	231
Var: Schools (Intercept)	0.17	0.11	0.11	0.11	0.05	0.05

Note: Cells contain regression coefficients with standard errors in parentheses. ***$p < 0.001$; **$p < 0.01$; *$p < 0.05$

Source: own elaboration based on First Study of Civic Education 2017.

Table 3

Table 4: Cumulative Link Multilevel Models for Justifying Differential Access to Pensions

	Model 0	Model 1	Model 2	Model 3	Model 4	Model 5
Strongly Disagree|Disagree	−0.89***	0.69***	0.71***	0.85***	0.67**	0.67**
	(0.04)	(0.20)	(0.20)	(0.22)	(0.23)	(0.23)
Disagree|Agree	0.52***	2.18***	2.21***	2.35***	2.17***	2.17***
	(0.04)	(0.20)	(0.20)	(0.22)	(0.23)	(0.23)
Agree|Strongly Agree	2.25***	4.01***	4.03***	4.18***	4.00***	4.00***
	(0.05)	(0.21)	(0.21)	(0.22)	(0.24)	(0.24)
School talent		0.17***	0.17***	0.17***	0.16***	0.16***
		(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
School effort		−0.25***	−0.25***	−0.26***	−0.25***	−0.25***
		(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Social talent		0.13**	0.12**	0.12**	0.13**	0.13**
		(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Social effort		0.27***	0.27***	0.27***	0.27***	0.27***
		(0.05)	(0.05)	(0.05)	(0.05)	(0.05)
Deservingness		0.38***	0.38***	0.38***	0.37***	0.37***
		(0.05)	(0.05)	(0.05)	(0.05)	(0.05)
Parental education (Ref.= Non-university)						
University or posgraduate			0.16*	0.14	0.12	0.12
			(0.08)	(0.08)	(0.08)	(0.08)
Missing			0.13*	0.12*	0.11	0.11
			(0.06)	(0.06)	(0.06)	(0.06)
More than 25 books (Ref.= Less than 25)			−0.12*	−0.13*	−0.13*	−0.13*
			(0.06)	(0.06)	(0.06)	(0.06)
Technology acces				0.02*	0.02	0.02
				(0.01)	(0.01)	(0.01)
No internet connectivity (Ref.= Internet connectivity)				−0.01	−0.03	−0.03
				(0.06)	(0.06)	(0.06)
Socioeconomic level (Ref.= Low)						
SES Medium					0.00	0.02
					(0.10)	(0.10)
SES High					0.69***	0.72**
					(0.15)	(0.26)
Achievement score (Ref.= Low)						
Simce Medium					−0.21**	−0.19*
					(0.07)	(0.08)
Simce High					−0.53***	−0.53***
					(0.08)	(0.09)
Prop. university level at school						0.22
						(0.34)
School dependence (Ref.= Public)						
Subsidized Private						−0.09
						(0.07)
Private						−0.15
						(0.25)
Log Likelihood	−6737.05	−6494.86	−6490.03	−6487.76	−6463.24	−6462.36
AIC	13482.11	13007.72	13004.05	13005.53	12964.49	12968.73
BIC	13508.31	13066.68	13082.68	13103.81	13088.98	13112.87
Num.obs	5177	5177	5177	5177	5177	5177
Num. groups: Schools	232	232	232	232	232	232
Var: Schools (Intercept)	0.11	0.09	0.09	0.09	0.04	0.04

Note: Cells contain regression coefficients with standard errors in parentheses. ***$p < 0.001$; **$p < 0.01$; *$p < 0.05$

Source: own elaboration based on First Study of Civic Education 2017.

Table 5

Table 6: Cumulative Link Multilevel Models for Justifying Differential Access to Education

	Model 0	Model 1	Model 2	Model 3	Model 4	Model 5
Strongly Disagree|Disagree	−0.93***	0.84***	0.87***	0.82***	0.75**	0.75**
	(0.04)	(0.20)	(0.20)	(0.22)	(0.23)	(0.23)
Disagree|Agree	0.34***	2.19***	2.23***	2.18***	2.11***	2.11***
	(0.04)	(0.20)	(0.20)	(0.22)	(0.23)	(0.23)
Agree|Strongly Agree	1.98***	3.93***	3.96***	3.92***	3.85***	3.85***
	(0.05)	(0.20)	(0.21)	(0.22)	(0.24)	(0.24)
School talent		0.25***	0.25***	0.25***	0.25***	0.25***
		(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
School effort		−0.24***	−0.23***	−0.23***	−0.23***	−0.23***
		(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Social talent		0.14**	0.14**	0.14**	0.15***	0.15***
		(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Social effort		0.15**	0.15**	0.15**	0.15**	0.15**
		(0.05)	(0.05)	(0.05)	(0.05)	(0.05)
Deservingness		0.44***	0.44***	0.44***	0.43***	0.43***
		(0.05)	(0.05)	(0.05)	(0.05)	(0.05)
Parental education (Ref.= Non-university)						
University or posgraduate			0.09	0.09	0.06	0.07
			(0.08)	(0.08)	(0.08)	(0.08)
Missing			0.13*	0.13*	0.12*	0.12*
			(0.06)	(0.06)	(0.06)	(0.06)
More than 25 books (Ref.= Less than 25)			−0.07	−0.07	−0.07	−0.07
			(0.06)	(0.06)	(0.06)	(0.06)
Technology acces				−0.00	−0.01	−0.01
				(0.01)	(0.01)	(0.01)
No internet connectivity (Ref.= Internet connectivity)				−0.04	−0.04	−0.05
				(0.06)	(0.06)	(0.06)
Socioeconomic level (Ref.= Low)						
SES Medium					0.08	0.08
					(0.10)	(0.10)
SES High					0.75***	0.93***
					(0.16)	(0.28)
Achievement score (Ref.= Low)						
Simce Medium					−0.16*	−0.16*
					(0.08)	(0.08)
Simce High					−0.47***	−0.46***
					(0.09)	(0.10)
Prop. university level at school						−0.17
						(0.35)
School dependence (Ref.= Public)						
Subsidized Private						0.04
						(0.08)
Private						−0.14
						(0.27)
Log Likelihood	−6846.16	−6603.77	−6600.80	−6600.55	−6582.51	−6582.06
AIC	13700.33	13225.55	13225.60	13231.10	13203.03	13208.12
BIC	13726.52	13284.48	13304.18	13329.33	13327.45	13352.18
Num.obs	5159	5159	5159	5159	5159	5159
Num. groups: Schools	231	231	231	231	231	231
Var: Schools (Intercept)	0.13	0.10	0.10	0.10	0.05	0.05

Note: Cells contain regression coefficients with standard errors in parentheses. ***$p < 0.001$; **$p < 0.01$; *$p < 0.05$

Source: own elaboration based on First Study of Civic Education 2017.

Table 7

Table 8: Linear mixed-effects models for meritocracy perception and market justice preferences

	Model 0	Model 1	Model 2	Model 3	Model 4	Model 5
Constant	2.17***	1.34***	1.33***	1.30***	1.38***	1.39***
	(0.02)	(0.09)	(0.09)	(0.10)	(0.10)	(0.10)
School talent		0.11***	0.11***	0.11***	0.10***	0.10***
		(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
School effort		−0.12***	−0.12***	−0.12***	−0.12***	−0.12***
		(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Social talent		0.07***	0.07***	0.07***	0.07***	0.07***
		(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Social effort		0.08***	0.08***	0.08***	0.08***	0.08***
		(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Deservingness		0.20***	0.20***	0.20***	0.20***	0.20***
		(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Parental education (Ref.= Non-university)						
University or posgraduate			0.05	0.05	0.04	0.05
			(0.03)	(0.03)	(0.04)	(0.04)
Missing			0.06*	0.06*	0.06*	0.06*
			(0.03)	(0.03)	(0.03)	(0.03)
More than 25 books (Ref.= Less than 25)			−0.05	−0.05	−0.04	−0.04
			(0.03)	(0.03)	(0.03)	(0.03)
Technology acces				0.00	0.00	0.00
				(0.01)	(0.01)	(0.01)
No internet connectivity (Ref.= Internet connectivity)				0.00	−0.01	−0.01
				(0.03)	(0.03)	(0.03)
Socioeconomic level (Ref.= Low)						
SES Medium					0.01	0.01
					(0.04)	(0.05)
SES High					0.29***	0.37**
					(0.07)	(0.13)
Achievement score (Ref.= Low)						
Simce Medium					−0.12***	−0.11**
					(0.04)	(0.04)
Simce High					−0.27***	−0.26***
					(0.04)	(0.04)
School dependence (Ref.= Public)						
Prop. university level at school						−0.05
						(0.16)
Subsidized Private						−0.01
						(0.04)
Private						−0.08
						(0.13)
AIC	12967.40	12422.86	12436.31	12459.04	12437.84	12452.43
BIC	12986.98	12475.07	12508.10	12550.41	12555.32	12589.48
Log Likelihood	−6480.70	−6203.43	−6207.16	−6215.52	−6200.92	−6205.21
Num.obs	5047	5047	5047	5047	5047	5047
Num. groups: Schools	231	231	231	231	231	231
Var: Schools (Intercept)	0.03	0.02	0.02	0.02	0.01	0.01
Var: Residual	0.74	0.66	0.66	0.66	0.66	0.66

Note: Cells contain regression coefficients with standard errors in parentheses. ***$p < 0.001$; **$p < 0.01$; *$p < 0.05$

Source: own elaboration based on First Study of Civic Education 2017.

Table 9

Table 10: Linear mixed-effects models for meritocracy perception, parental education and market justice preferences

	Model 1	Model 2	Model 3	Model 4	Model 5
Constant	1.35***	1.31***	1.34***	1.37***	1.38***
	(0.10)	(0.10)	(0.10)	(0.12)	(0.10)
School talent	0.10***	0.10***	0.10***	0.10***	0.11***
	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)
School effort	−0.12***	−0.12***	−0.12***	−0.12***	−0.12***
	(0.02)	(0.02)	(0.02)	(0.03)	(0.02)
Social talent	0.07***	0.08***	0.09***	0.08***	0.08***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Social effort	0.09***	0.08***	0.08***	0.08***	0.08***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Deservingness	0.20***	0.22***	0.20***	0.20***	0.20***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Parental education (Ref.= Non-university)					
University or posgraduate	0.26*	0.35***	0.25*	0.10	0.15
	(0.11)	(0.10)	(0.11)	(0.23)	(0.12)
Missing	0.03	0.13	0.07	0.08	0.03
	(0.09)	(0.09)	(0.09)	(0.16)	(0.10)
More than 25 books (Ref.= Less than 25)	−0.04	−0.04	−0.04	−0.04	−0.04
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
SES High (Ref.= Low)	−0.06	−0.06	−0.06	−0.06	−0.06
	(0.06)	(0.05)	(0.05)	(0.05)	(0.05)
Achievement score (Ref.= Low)					
Simce Medium	−0.11**	−0.12***	−0.12***	−0.12***	−0.12***
	(0.04)	(0.03)	(0.03)	(0.03)	(0.03)
Simce High	−0.24***	−0.24***	−0.24***	−0.24***	−0.24***
	(0.05)	(0.04)	(0.04)	(0.04)	(0.04)
Parental education x Meritocracy					
University or posgraduate * Social effort	−0.08*				
	(0.04)				
Missing * Social effort	0.01				
	(0.03)				
University or posgraduate * Deservingness		−0.12**			
		(0.04)			
Missing * Deservingness		−0.02			
		(0.03)			
University or posgraduate * Social talent			−0.07		
			(0.04)		
Missing * Social talent			0.00		
			(0.03)		
University or posgraduate * School effort				−0.01	
				(0.06)	
Missing * School effort				−0.00	
				(0.04)	
University or posgraduate * School talent					−0.03
					(0.04)
Missing * School talent					0.01
					(0.03)
Controls	Yes	Yes	Yes	Yes	Yes
AIC	12472.82	12480.94	12486.54	12489.10	12489.36
BIC	12649.03	12657.15	12662.76	12665.31	12665.57
Log Likelihood	−6209.41	−6213.47	−6216.27	−6217.55	−6217.68
Num.obs	5047	5047	5047	5047	5047
Num. groups: Schools	231	231	231	231	231
Var: Schools (Intercept)	0.01	0.00	0.00	0.00	0.00
Var: Schools University or Postgraduate	0.00	0.01	0.02	0.02	0.02
Var: Schools Missing	0.00	0.02	0.02	0.02	0.02
Cov: Schools (Intercept) University or Postgraduate	0.00	0.00	0.00	0.00	0.00
Cov: Schools (Intercept) Missing	0.00	0.00	0.00	0.00	0.00
Cov: Schools University or Postgraduate, Missing	0.00	0.02	0.02	0.02	0.02
Var: Residual	0.66	0.67	0.67	0.67	0.67

Note: Cells contain regression coefficients with standard errors in parentheses. Control variables are included. ***$p < 0.001$; **$p < 0.01$; *$p < 0.05$

Source: own elaboration based on First Study of Civic Education 2017.

Table 12: Linear mixed-effects models for meritocracy perception, books at home and market justice preferences

	Model 1	Model 2	Model 3	Model 4	Model 5
Constant	1.29***	1.34***	1.34***	1.31***	1.35***
	(0.10)	(0.10)	(0.10)	(0.11)	(0.10)
School talent	0.10***	0.10***	0.10***	0.10***	0.11***
	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)
School effort	−0.12***	−0.12***	−0.12***	−0.10***	−0.12***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Social talent	0.07***	0.07***	0.09***	0.07***	0.07***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Social effort	0.11***	0.08***	0.08***	0.08***	0.08***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Deservingness	0.20***	0.21***	0.20***	0.20***	0.20***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Parental education (Ref.= Non-university)					
University or posgraduate	0.05	0.05	0.05	0.05	0.05
	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Missing	0.06*	0.07*	0.07*	0.07*	0.07*
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
More than 25 books (Ref.= Less than 25)	0.17*	0.05	0.03	0.12	−0.00
	(0.08)	(0.08)	(0.08)	(0.15)	(0.09)
SES High (Ref.= Low)	−0.06	−0.06	−0.06	−0.06	−0.06
	(0.05)	(0.05)	(0.05)	(0.05)	(0.05)
Achievement score (Ref.= Low)					
Simce Medium	−0.12***	−0.12***	−0.12***	−0.12***	−0.12***
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
Simce High	−0.24***	−0.24***	−0.24***	−0.24***	−0.24***
	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Books at home x Meritocracy					
More than 25 books * Social effort	−0.08**				
	(0.03)				
More than 25 books * Deservingness		−0.04			
		(0.03)			
More than 25 books * Social talent			−0.03		
			(0.03)		
More than 25 books * School effort				−0.05	
				(0.04)	
More than 25 books * School talent					−0.01
					(0.03)
Controls	Yes	Yes	Yes	Yes	Yes
AIC	12462.52	12469.09	12469.61	12468.65	12470.35
BIC	12612.63	12619.20	12619.72	12618.76	12620.46
Log Likelihood	−6208.26	−6211.54	−6211.81	−6211.32	−6212.18
Num.obs	5047	5047	5047	5047	5047
Num. groups: Schools	231	231	231	231	231
Var: Schools (Intercept)	0.00	0.00	0.00	0.00	0.00
Var: Schools More than 25 books	0.03	0.03	0.03	0.03	0.03
Cov: Schools (Intercept) More than 25 books	0.00	0.00	0.00	0.00	0.00
Var: Residual	0.67	0.67	0.67	0.67	0.67

Note: Cells contain regression coefficients with standard errors in parentheses. Control variables are included. ***$p < 0.001$; **$p < 0.01$; *$p < 0.05$

Source: own elaboration based on First Study of Civic Education 2017.

Table 13

Table 14: Linear mixed-effects models for meritocracy perception, school socioeconomic status and market justice preferences

	Model 1	Model 2	Model 3	Model 4	Model 5
Constant	1.32***	1.31***	1.32***	1.37***	1.38***
	(0.10)	(0.10)	(0.10)	(0.11)	(0.10)
School talent	0.10***	0.10***	0.10***	0.10***	0.10***
	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)
School effort	−0.12***	−0.12***	−0.12***	−0.12***	−0.12***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Social talent	0.07***	0.07***	0.09***	0.07***	0.07***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Social effort	0.10***	0.08***	0.08***	0.08***	0.08***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Deservingness	0.20***	0.22***	0.20***	0.20***	0.20***
	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)
Parental education (Ref.= Non-university)					
University or posgraduate	0.05	0.05	0.05	0.05	0.05
	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Missing	0.06*	0.07*	0.07*	0.07*	0.07*
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
More than 25 books (Ref.= Less than 25)	−0.04	−0.04	−0.04	−0.04	−0.04
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
SES High (Ref.= Low)	0.10	0.13	0.08	−0.07	−0.08
	(0.10)	(0.09)	(0.10)	(0.17)	(0.10)
Achievement score (Ref.= Low)					
Simce Medium	−0.11**	−0.11**	−0.11**	−0.11**	−0.11**
	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Simce High	−0.25***	−0.25***	−0.24***	−0.24***	−0.24***
	(0.05)	(0.05)	(0.05)	(0.05)	(0.05)
School SES x Meritocracy					
SES High * Social effort	−0.06*				
	(0.03)				
SES High * Deservingness		−0.08**			
		(0.03)			
SES High * Social talent			−0.06		
			(0.03)		
SES High * School effort				0.00	
				(0.04)	
SES High * School talent					0.00
					(0.03)
Controls	Yes	Yes	Yes	Yes	Yes
AIC	12461.41	12458.82	12462.31	12465.17	12465.95
BIC	12611.52	12608.93	12612.42	12615.28	12616.06
Log Likelihood	−6207.71	−6206.41	−6208.15	−6209.59	−6209.97
Num.obs	5047	5047	5047	5047	5047
Num. groups: Schools	231	231	231	231	231
Var: Schools (Intercept)	0.02	0.02	0.02	0.02	0.02
Var: Schools SES High	0.02	0.02	0.02	0.01	0.02
Cov: Schools (Intercept) SES High	−0.01	−0.01	−0.01	−0.01	−0.01
Var: Residual	0.66	0.66	0.66	0.66	0.66

Note: Cells contain regression coefficients with standard errors in parentheses. Control variables are included. ***$p < 0.001$; **$p < 0.01$; *$p < 0.05$

Source: own elaboration based on First Study of Civic Education 2017.

Table 15

Table 16: Linear mixed-effects models for meritocracy perception, school perfomance status and market justice preferences

	Model 1	Model 2	Model 3	Model 4	Model 5
Constant	1.28***	1.22***	1.30***	1.43***	1.37***
	(0.11)	(0.11)	(0.11)	(0.14)	(0.11)
School talent	0.10***	0.10***	0.10***	0.10***	0.11***
	(0.01)	(0.01)	(0.01)	(0.01)	(0.03)
School effort	−0.11***	−0.11***	−0.11***	−0.13***	−0.12***
	(0.02)	(0.02)	(0.02)	(0.03)	(0.02)
Social talent	0.07***	0.07***	0.10***	0.07***	0.07***
	(0.02)	(0.02)	(0.03)	(0.02)	(0.02)
Social effort	0.12***	0.08***	0.08***	0.08***	0.08***
	(0.03)	(0.02)	(0.02)	(0.02)	(0.02)
Deservingness	0.20***	0.25***	0.20***	0.20***	0.20***
	(0.02)	(0.03)	(0.02)	(0.02)	(0.02)
Parental education (Ref.= Non-university)					
University or posgraduate	0.05	0.05	0.05	0.05	0.05
	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)
Missing	0.06*	0.07*	0.06*	0.07*	0.07*
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
More than 25 books (Ref.= Less than 25)	−0.04	−0.04	−0.04	−0.04	−0.04
	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)
SES High (Ref.= Low)	−0.06	−0.06	−0.06	−0.05	−0.05
	(0.06)	(0.06)	(0.06)	(0.06)	(0.06)
Achievement score (Ref.= Low)					
Simce Medium	−0.00	0.10	−0.01	−0.23	−0.12
	(0.10)	(0.10)	(0.10)	(0.17)	(0.11)
Simce High	−0.07	−0.01	−0.12	−0.27	−0.19
	(0.10)	(0.10)	(0.11)	(0.19)	(0.12)
School perfomance (SIMCE) x Meritocracy					
Simce Medium * Social effort	−0.04				
	(0.03)				
Simce High * Social effort	−0.06				
	(0.03)				
Simce Medium * Deservingness		−0.08*			
		(0.03)			
Simce High * Deservingness		−0.09*			
		(0.03)			
Simce Medium * Social talent			−0.04		
			(0.03)		
Simce High * Social talent			−0.04		
			(0.03)		
Simce Medium * School effort				0.03	
				(0.05)	
Simce High * School effort				0.01	
				(0.05)	
Simce Medium * School talent					0.00
					(0.03)
Simce High * School talent					−0.02
					(0.04)
Controls	Yes	Yes	Yes	Yes	Yes
AIC	12473.25	12468.62	12474.86	12474.76	12476.32
BIC	12649.46	12644.84	12651.08	12650.98	12652.54
Log Likelihood	−6209.62	−6207.31	−6210.43	−6210.38	−6211.16
Num.obs	5047	5047	5047	5047	5047
Num. groups: Schools	231	231	231	231	231
Var: Schools (Intercept)	0.01	0.01	0.01	0.01	0.01
Var: Schools Simce Medium	0.00	0.00	0.00	0.00	0.00
Var: Schools Simce High	0.07	0.07	0.07	0.07	0.07
Cov: Schools (Intercept) Simce Medium	−0.00	−0.00	−0.00	−0.00	−0.00
Cov: Schools (Intercept) Simce High	−0.03	−0.03	−0.03	−0.03	−0.03
Cov: Schools Simce Medium, Simce High	0.01	0.01	0.01	0.01	0.01
Var: Residual	0.66	0.66	0.66	0.66	0.66

Note: Cells contain regression coefficients with standard errors in parentheses. Control variables are included. ***$p < 0.001$; **$p < 0.01$; *$p < 0.05$

Source: own elaboration based on First Study of Civic Education 2017.

11