

APPENDICES

Table A.3.1. Marginal effects for the ordered logistic regressions – educational aspirations (Belgium, 2018)

		Educational aspirations					
		1	2	3	4	5	6
INDIVIDUAL							
Performance math		-0.00004**	-0.0001**	-0.0001***	-0.00021***	-0.00016***	0.00069***
Performance reading		-0.00002	-0.00004	-0.00008	-0.00009	-0.00007	0.00031
Performance science		0	0.00002	0.00003	0.00004	0.00003	-0.00014
SOCIOECONOMIC							
Socioeconomic status		-0.00415**	-0.0111***	-0.0182***	-0.02354***	-0.01803***	0.07516***
PARENTAL							
Expectations ref=1							
	2	0.01021*	0.02830*	0.04776*	0.05558	-0.03197	-0.10989
	3	0.00009	0.00029	0.00058	0.00087	-0.00008	-0.00176
	4	0.00250	0.00740	0.01396	0.01951	-0.00458	-0.03880
	5	-0.00531	-0.01685	-0.03713*	-0.07034**	-0.0273***	0.15697**
	6	-0.00831**	-0.0271**	-0.0648***	-0.1522***	-0.1735***	0.4260***
Level of education ref=0							
	1	0.00269	0.00847	0.01853	0.03654	0.04342	-0.10966
	2	0.00779*	0.02253**	0.04263**	0.07004**	0.07072*	-0.21373**
	3	0.00523**	0.01577**	0.03186**	0.05643*	0.06080	-0.17011*
	4	0.00655***	0.0193***	0.03770***	0.06403**	0.06653*	-0.19416**
	5	0.00606**	0.01801***	0.03558***	0.06134**	0.06455	-0.18556**
	6	0.00512**	0.01544**	0.03129**	0.05566*	0.06019	-0.1677*
Involvement		-0.0009	-0.00243*	-0.00395*	-0.0051*	-0.00391*	0.01629*
Occupation		0.00005	0.00012	0.0002	0.00026	0.0002	-0.00083
Mother vs father ref=0		-0.00043	-0.00115	-0.00189	-0.00244	-0.00186	0.00777
SCHOOL							
Size		0.00014	0.00039	0.00064	0.00082	0.00063	-0.00263
Type of education ref=1							
	2	/	/	/	/	/	/
	3	0.00415***	0.01204***	0.0225***	0.03581***	0.03293***	-0.10744***
Quality of the teacher		-0.00031	-0.00082	-0.00134	-0.00173	-0.00133	0.00553
Support of the teacher		0.00077*	0.00207*	0.00337*	0.00435*	0.00333*	-0.01389*
School resources		-0.00037	-0.00099	-0.00161*	-0.00208*	-0.00159	0.00663*
Information on career		-0.00021	-0.00057	-0.00093	-0.0012	-0.00092	0.00382
SOCIAL GROUP							
Migrant ref=1							
	2	-0.00132	-0.00363	-0.00611	-0.00819	-0.00651	0.02576
	3	-0.00077	-0.0021	-0.00349	-0.00459	-0.00357	0.01452
Language X Migrant		-0.00025	-0.00069	-0.00112	-0.00144	-0.00111	0.00461
GENDER-RELATED							
Male ref=female		0.00171*	0.00464*	0.00763*	0.00998*	0.00762*	-0.03159*
Gender-typical occupations X Gender		/	/	/	/	/	/
Self-concept X Gender		-0.00103**	-0.0027***	-0.0045***	-0.00587***	-0.00449***	0.01874***
Competitiveness X Gender		-0.00123***	-0.0033***	-0.005***	-0.0069***	-0.0053***	0.02225***
Fear of failure X Gender		0.00013	0.00034	0.00056	0.00072	0.00055	-0.00231

Notes: * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$. X means that I interact the first variable with the second. For parental expectations: 1 = first degree of secondary. For parental education: 0 = none. For mother vs father: 0 = father has higher occupational level than mother. For type of education: 1 = general. For migrant: 1 = native. For gender: 1 = girls.

Source: data from PISA 2018

Table A.3.2. Marginal effects for the multinomial logistic regression – situation in 5 years (Belgium, 2018)

		Situation in 5 years					
		1	2	3	4	5	6
INDIVIDUAL							
Performance math		0.00007	-0.00009	0.00062	-0.00103*	0.00038	0.00006
Performance reading		-0.00044*	-0.0002	-0.00116*	0.00126***	0.00056**	-0.00002
Performance science		-0.0002	-0.00017	0.00098	0.00033	-0.00086*	-0.00008
SOCIOECONOMIC							
Socioeconomic status		0.0089	-0.04152**	-0.11472**	0.14429	-0.004	0.00706
PARENTAL							
Expectations ref=1							
	2	-0.03777	0.07095	0.15863	-0.24848*	0.03092	0.02575
	3	-0.02967	0.09323	0.10805	-0.17557	-0.00324	0.00721
	4	0.03686	0.07708	0.04159	-0.17202	-0.00477	0.02126
	5	-0.0713	-0.0202	0.13538	-0.02058	-0.03369	0.01038
	6	-0.07971	-0.07625	0.0448	0.16441	-0.06611	0.01287
Level of education ref=0							
	1	-0.01026	0.07049	0.09065	-0.09931	-0.05156	0
	2	0.00332	0.05712	0.07807	-0.23782	0.03114	0.06818
	3	-0.03153	0.04148	0.0275	0.03075	-0.08752	0.01931
	4	-0.04339	0.05347	0.16417	-0.125	-0.07037	0.02112
	5	-0.07646	0.03827	0.24759	-0.15544	-0.06342	0.00947
	6	-0.0763	0.07304*	0.29666**	-0.23379	-0.0714	0.01179
Involvement		-0.01677	-0.00386	0.00915	0.01689	-0.00047	-0.00494
Occupation		-0.00005	0.0012	0.00119	-0.00249*	0.0001	0.00005
Mother vs father ref=0		-0.00069	0.02688*	0.00261	-0.01835	-0.0092	-0.00125
SCHOOL							
Size		0.00084	0.0002	0.00909*	-0.00831*	-0.00183	0.00001
Type of education ref=1							
	2	/	/	/	/	/	/
	3	0.03184	0.00421	-0.10359**	0.03545	0.02914	0.00294
Quality of the teacher		-0.00071	-0.01346	-0.03842**	0.05439	-0.00337	0.00158
Support of the teacher		-0.00322	-0.01086	0.01736	0.01211	-0.01198	-0.00341
School resources		0.00481*	0.00772**	-0.00282	-0.00992	0.00094	-0.00073
Information on career		-0.00175	0.00176	-0.00552	0.00985	-0.00646	0.00213
SOCIAL GROUP							
Migrant ref=1							
	2	-0.01651	0.02614	0.06044	-0.06949	0.0049	-0.00548
	3	-0.01613	0.02971	-0.04047	-0.0226	0.04801	0.00148
Language X Migrant		0.00966	-0.00634	-0.01903	0.0122	0.00269	0.00082
GENDER-RELATED							
Male ref=female		0.01462	0.03926	-0.08627	0.00219	0.01828	0.01191
Gender-typical occupations X Gender		/	/	/	/	/	/
Self-concept X Gender							
Gender		-0.00206	-0.00185	-0.01796	0.02987***	-0.00703	-0.00097
Competitiveness X Gender							
Gender		0.00633	0.00181	-0.02504*	0.00827	0.00869*	-0.00006
Fear of failure X Gender							
Gender		-0.00484	-0.01412*	0.00249	0.02097**	-0.00388	-0.00063

Notes: *p<0.10, **p<0.05, ***p<0.01. X means that I interact the first variable with the second. For parental expectations: 1 = first degree of secondary. For parental education: 0 = none. For mother vs father: 0 = father has higher occupational level than mother. For type of education: 1 = general. For migrant: 1 = native. For gender: 1 = girls.

Source: data from PISA 2018