STUDENTS, SCHOOLS, AND POST-SECONDARY ENROLLMENT: A

CONTEXTUAL APPROACH

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Abstract

The expansion of higher education, following the establishment of degree-granting colleges that operate alongside the veteran universities, is one of the salient phenomena in Israeli education in the last decade. One major issue in recent research on higher education is the contribution of its expansion to the equalization of educational opportunities. According to theoretical approaches and previous research, expansion is not expected to promote equality. Even when an expanded system absorbs underprivileged students, they are more likely to enroll in the less prestigious higher education institutions, thus preserving the advantages of the privileged groups.

Previous research concentrated on students' individual characteristics. Our study tests the hypothesis that enrollment in post-secondary education, and the effects of students' characteristics on this enrollment are affected by characteristics of their high schools, such as the socioeconomic, ethnic, and academic composition of the students, educational level of the teachers, structural arrangements (comprehensive versus academic or vocational) and sector (general versus religious). The empirical analysis is based on a 6-years follow-up study of all Israeli students who completed high school in 1991, performed by the Israeli Central Bureau of Statistics and the Ministry of Education. We conducted non-linear hierarchical analyses of post-secondary attendance and destination on 42,142 students, distributed among 384 schools. The main findings are as follows: students originating from higher-status families, members of privileged ethnic groups, and graduates of the academic track have higher odds of post-secondary attendance. Higher social and academic

compositions increase the odds of all students in a school to enroll in post-secondary education. Higher social composition is particularly effective in increasing the enrollment odds of more able graduates. Higher status students, females, academic track graduates, and members of privileged ethnic groups have higher odds of university versus college enrollment, and lower relative odds of non-academic postsecondary versus college enrollment. Higher percent of academic teachers and Jewish non-religious sector increase the odds of enrollment in an academic college versus all other types of post- secondary institutions. The findings support to the differentiation perspective, but they also show that differentiation in post-secondary destination is context bound.

		Post Secondary Education Destination				
	Did not	University	Academic	Teachers	Non-	Total
	Continue		College	Training	Academic	
				Institution	Institution	
Ν	22480	10524	2866	2494	3778	42142
%	53.3	25.0	6.8	5.9	9.0	100.0
Gender -	53.7	57.7	44.2	85.6	25.2	53.4
females ¹						
Arab ¹	17.2	7.3	2.2	19.7	12.4	13.4
Ethnicity -	50.5	27.0	31.2	42.3	48.6	42.0
Mizrachi ¹²						
Academic	16.3	51.5	42.9	27.9	16.4	27.8
father ¹						
Academic	48.0	84.4	73.1	80.4	26.9	59.0
track ¹						
Eligible to	37.2	97.7	95.5	93.4	61.4	59.0
matriculation						
certification ¹						

 Table 1: Student Background Characteristics by Post-Secondary Destination

1-Each cell is 100%. 2- Only for Jews

			Post Secondary Destination				
		Did not	University	Academic	Teachers	Non-	Total
		Continue		Colleges	Training	Academic	
					Institutions	Institutions	
Hebrew State	%	50.7	27.2	8.4	4.4	9.4	221
school							
Hebrew	%	49.6	26.4	3.6	12.0	8.4	103
Religious							
School							
Arab school	%	70.9	12.4	1.0	8.2	7.5	60
Academic high	%	42.6	36.9	8.7	7.9	3.8	153
school							
Technological	%	62.8	10.8	5.4	2.8	18.4	88
high school							
Comprehensive	%	57.4	22.0	5.9	5.7	9.0	143
High School							
School size	Mean	181.52	219.62	234.54	171.88	197.31	195.49*
	(S.D.)	(105.01)	(112.02)	(104.11)	(171.88)	(110.688)	(108.03)
Percent of	Mean	21.37	40.37	37.76	30.25	21.47	27.77*
Academic	(S.D.)	(17.87)	(19.75)	(17.54)	(22.01)	(14.85)	(20.23)
fathers							
Percent of	Mean	70.08	79.65	79.12	74.95	67.19	73.11*
academic	(S.D.)	(16.41)	(12.15)	(12.81)	(14.84)	(14.98)	(15.69)
teachers							
Percent of	Mean	51.00	79.12	77.15	68.15	53.49	61.04*
matriculation	(S.D.)	(28.31)	(19.99)	(21.26)	(24.84)	(25.17)	(28.50)
eligible							

Table 2: School Characteristics by Post Secondary Destination (N=384 schools)

*p<0.05

	Model 1	Model 2	Model 3
Intercept	826*	-1.574*	-1.428*
Gender - female	006	002	095*
Ethnicity-	178*	188*	131*
mizrachi			
Arab	088	.310*	.411*
Father's years of	.325*	.341*	.252*
schooling			
Academic track	.948*	.979*	.169*
Matriculation			2.057*
eligibility			
Intercept as			
outcome:			
Arab school		507*	709*
Religious school		.317*	.273*
Average father's	1.107*	.472*	.395*
years of			
schooling			
% of academic		490*	276
teachers			
Technological		.556*	.202*
schools			
Academic		307*	.031
schools			
School size		.182*	.165*
Percent of		2.326*	2.433 *
matriculation			
eligible			
Father's			
education slope			
as outcome:			
Arab school		.033	
Religious school		.008	
Average father's		099*	
years of			
schooling			
Percent of		.004	
academic			
teachers			
Technological		125*	
school			
Academic School		029	
School size		.062*	

Table 3: Higher Education Attendance: Results of Non Linear

 Hierarchical model

Table 3 (cont.)				
Percent of	.009			
matriculation				
eligible				
Matriculation				
eligibility slope				
as outcome				
Arab schools	1.040*			
Religious schools	.366*			
Average father's	.379*			
years of				
schooling				
Percent of	088			
academic				
teachers				
Technological	102			
school				
Academic School	.306*			
School size	.205*			
Percent of	235			
matriculation				
eligible				

*p<0.05

	University vs.	Teachers training	Non-Academic	
	Academic colleges	Institution vs.	Institution vs.	
		Academic colleges	Academic colleges	
Intercept	.396*	-1.514*	2.597*	
Gender	.481*	2.375*	393*	
Ethnicity-Mizrachi	125*	.095	.154*	
Arab	.265	.310	.458	
Father's years of	.169*	160*	380*	
schooling				
Academic track	.521*	.075	-1.411*	
Matriculation	.296*	481*	-1.985*	
eligible				
Intercept as				
outcome:				
Arab schools	1.272*	2.178*	1.407*	
Religious schools	.583*	1.616*	.761*	
Average father's	.081	.035	376	
years of schooling				
Percent of academic	928*	-1.572*	-1.865*	
teachers				
Technological	326*	207	185	
schools				
Academic Schools	163	.176	.115	
School size	080	291*	110	
Percent of	.406	744*	625*	
matriculation				
eligible				
Variance	.309	.432	.543	
d.f.	347	347	347	
Chi square	2511.152	3071.416	5168.83	
Sig.	.000	.000	.000	

 Table 4: Post Secondary Destination: Result of Multinomial Hierarchical Model

*P<0.05