STRATIFICATION IN HIGHER EDUCATION

A Comparative Study

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Chapter 7: Table 1
Logistic Regression Models Predicting Eligibility for Entry into Higher Education (i.e. High School Completion)

Entering higher education	Cohort 1 Pre-WWII	Cohort 2 Post-WWII	Cohort 3 1960s	Cohort 4 1970s	Cohort 5 1980s
Parental Education [high school graduate omitted]					
College and higher	1.891**	1.184**	1.421**	1.795**	1.727**
	(0.427)	(0.262)	(0.286)	(0.296)	(0.312)
Some Postsecondary	0.355	0.894**	0.513**	0.653**	0.795**
	(0.211)	(0.209)	(0.182)	(0.174)	(0.210)
Less than HS	-1.255**	-1.272**	-1.316**	-1.299**	-1.240**
	(0.105)	(0.084)	(0.090)	(0.095)	(0.140)
Father's Occupation [unskilled labor omitted]					
Professional/managerial	0.984**	0.844**	0.764**	1.002**	0.893**
	(0.193)	(0.187)	(0.202)	(0.198)	(0.297)
Clerical/sales	1.085**	0.865**	1.115**	1.456**	1.013**
	(0.198)	(0.206)	(0.246)	(0.266)	(0.275)
Self-employed	0.604**	0.390**	0.414**	0.790**	0.604**
	(0.117)	(0.110)	(0.137)	(0.156)	(0.219)
Skilled	0.135	0.232*	0.165	0.424**	0.305
	(0.102)	(0.092)	(0.104)	(0.113)	(0.169)
Farmer	-0.471**	-0.407**	-0.291**	0.186	0.490
	(0.094)	(0.090)	(0.113)	(0.147)	(0.268)
Single parent	-0.199	-0.115	0.113	-0.303*	-0.186
	(0.114)	(0.100)	(0.128)	(0.120)	(0.151)
Female	0.022	0.078	-0.019	0.130	-0.097
	(0.063)	(0.058)	(0.071)	(0.079)	(0.116)
Race/ethnicity [white omitted]					
African American	-0.881**	-0.572**	-0.147	0.066	0.107
	(0.099)	(0.077)	(0.093)	(0.097)	(0.146)
Other non-white	-0.365	-0.737**	-0.415*	-0.347*	-0.184
	(0.334)	(0.199)	(0.175)	(0.167)	(0.198)
Constant	1.520**	1.994**	2.459**	2.093**	2.069**
	(0.125)	(0.105)	(0.111)	(0.113)	(0.176)
Observations	5315	7655	8138	7849	4150

*p<0.05, **p<0.01.

Note: Analyses based on the General Social SurveyChapter 7: Table 2

Logistic Regression Models Predicting Educational Transition (conditional models)

	Enter Any Postsecondary			Enter Baccalaureate		
Entering higher education	Cohort 1 1970s	Cohort 2 1980s	Cohort 3 1990s	Cohort 1 1970s	Cohort 2 1980s	Cohort 3 1990s
Dataset	NLS-72	HS&B	NELS	NLS-72	HS&B	NELS
Parental Education [high school graduate omitted]						
College and higher	1.605**	1.716**	1.835**	1.168**	1.050**	**1.664****
	(0.156)	(0.115)	(0.223)	(0.091)	(0.094)	(0.090)
Some postsecondary	0.766**	0.603**	0.501**	0.379**	0.247**	0.591**
	(0.101)	(0.074)	(0.121)	(0.083)	(0.081)	(0.074)
Less than high school	-0.374**	-0.450**	-0.885**	-0.208	-0.171	-0.381**
	(0.097)	(0.089)	(0.157)	(0.124)	(0.133)	(0.127)
Father's Occupation [unskilled labor omitted]						
Professional/managerial	0.452**	0.298*	0.853**	0.399**	0.107	0.220
	(0.122)	(0.148)	(0.269)	(0.095)	(0.138)	(0.120)
Clerical/sales	0.642**	0.217	-0.244*	0.321**	0.074	-0.298**
	(0.146)	(0.125)	(0.114)	(0.114)	(0.111)	(0.075)
Self-employed	0.772	0.201	0.100	1.110	-0.009	0.274**
	(0.464)	(0.138)	(0.225)	(0.606)	(0.123)	(0.091)
Skilled	0.219*	-0.222**	0.097	0.199*	-0.292**	-0.268**
	(0.096)	(0.079)	(0.152)	(0.096)	(0.080)	(0.086)
Farmer	0.445**	0.015	0.050	0.210	0.067	-0.475
	(0.132)	(0.143)	(0.332)	(0.149)	(0.166)	(0.460)
Single parent		-0.012	-0.218		-0.044	-0.270**
		(0.088)	(0.115)		(0.094)	(0.099)
Female	-0.120	**0.422****	**0.141**	-0.133*	-0.159*	**0.299****
	(0.076)	(0.059)	(0.104)	(0.067)	(0.067)	(0.056)
Race/ethnicity [white omitted]						
African American	0.556**	**0.181**	**-0.484****	0.299*	-0.011	-0.000
	(0.151)	(0.116)	(0.167)	(0.137)	(0.109)	(0.111)
Hispanic	0.478*	-0.400**	-0.142	-0.149	-0.317**	-0.186
	(0.204)	(0.090)	(0.145)	(0.275)	(0.102)	(0.098)
Asian	0.885*	1.449**	0.214	0.213	0.167	0.277*
	(0.383)	(0.258)	(0.342)	(0.258)	(0.171)	(0.135)
Other non-white	-0.493*	0.113	-0.724**	-0.513**	0.077	-0.806**
	(0.192)	(0.255)	(0.274)	(0.169)	(0.243)	(0.248)
Constant	0.314**	0.329**	1.741**	-0.627**	-0.296**	-1.202**
	(0.086)	(0.084)	(0.126)	(0.088)	(0.090)	(0.090)
Observations	12732	10533	13121	9824	7901	11876

*p<0.05, **p<0.01 (robust standard errors in parentheses).

Note: Bold coefficients indicate change over time for the four sets of comparisons discussed in the chapter. If a coefficient is bold, it is significantly different from the related coefficient in the previous cohort (p<0.05). Additional differences significant at p<0.10 are discussed in the text.

Chapter 7: Table 2, Part 2
Logistic Regression Models Predicting Educational Transition (conditional models) (continued)

	Enter Elite Baccalaureate			Enter Two-Year Institutions		
	Cohort 1	Cohort 2	Cohort 3	Cohort 1	Cohort 2	Cohort 3
Entering higher education	1970s	1980s	1990s	1970s	1980s	1990s
Dataset	NLS-72	HS&B	NELS	NLS-72	HS&B	NELS
Parental Education [high school graduate omitted]						
College and higher	1.890**	1.340**	1.646**	-0.190	-0.334**	-0.370**
	(0.187)	(0.313)	(0.385)	(0.097)	(0.089)	(0.102)
Some postsecondary	0.880**	0.389	0.111	0.208**	0.143*	0.035
	(0.197)	(0.310)	(0.404)	(0.079)	(0.070)	(0.081)
Less than high school	-0.189	0.502	0.304	-0.157	-0.135	0.034
	(0.279)	(0.414)	(0.634)	(0.102)	(0.097)	(0.112)
Father's Occupation [unskilled labor omitted]						
Professional/managerial	0.599**	**-0.092**	0.631*	0.038	-0.076	-0.138
	(0.228)	(0.259)	(0.275)	(0.097)	(0.123)	(0.137)
Clerical/sales	0.564	-0.231	-0.208	0.147	-0.000	0.020
	(0.292)	(0.273)	(0.200)	(0.114)	(0.104)	(0.081)
Self-employed	0.372	0.395	0.532*	-0.696	0.117	-0.203*
	(0.866)	(0.230)	(0.238)	(0.455)	(0.116)	(0.102)
Skilled	0.291	-0.366	-0.170	0.006	0.075	0.091
	(0.223)	(0.230)	(0.250)	(0.087)	(0.069)	(0.085)
Farmer	0.032	-1.995	0.952	-0.003	0.001	-0.210
	(0.519)	(1.025)	(0.936)	(0.123)	(0.145)	(0.385)
Single parent		-0.330	0.057		0.021	0.096
		(0.234)	(0.248)		(0.083)	(0.099)
Female	-0.504**	-0.330*	-0.290	-0.029	**0.277****	**0.078**
	(0.161)	(0.140)	(0.158)	(0.067)	(0.057)	(0.060)
Race/ethnicity [white omitted]						
African American	0.218	**-0.520***	-0.637	0.063	0.058	-0.194
	(0.239)	(0.235)	(0.346)	(0.139)	(0.098)	(0.117)
Hispanic	-1.242*	-0.298	0.327	0.497**	0.090	0.329**
	(0.543)	(0.240)	(0.326)	(0.181)	(0.086)	(0.097)
Asian	1.186**	0.195	0.666**	0.332	0.229	0.096
	(0.428)	(0.291)	(0.212)	(0.236)	(0.160)	(0.116)
Other non-white	-0.220	0.146	-1.050	-0.031	0.070	0.057
	(0.326)	(0.727)	(1.075)	(0.181)	(0.199)	(0.210)
Constant	-4.227**	-2.780**	-3.706**	-0.976**	-0.682**	-0.761**
	(0.230)	(0.333)	(0.405)	(0.083)	(0.079)	(0.092)
Observations	8077	4001	5003	12732	9830	11876

Chapter 7: Table 3
Comparisons of Selected Results Across Baseline and Achievement Models

	Enter Any Postsecondary			Enter Baccalaureate			Enter Elite Baccalaureate		
	Cohort 1	Cohort 2	Cohort 3	Cohort 1	Cohort 2	Cohort 3	Cohort 1	Cohort 2	Cohort 3
Entering higher education	1970s	1980s	1990s	1970s	1980s	1990s	1970s	1980s	1990s
Dataset	NLS-72	HS&B	NELS	NLS-72	HS&B	NELS	NLS-72	HS&B	NELS
Parental Education [college and higher compared to high school graduate]									
Baseline model	1.605**	1.716**	1.835**	1.168**	1.050**	1.664**	1.890**	1.340**	1.646**
	(0.156)	(0.115)	(0.223)	(0.091)	(0.094)	(0.09)	(0.187)	(0.313)	(0.385)
Achievement model	1.144**	1.150**	0.971**	0.842**	0.664**	1.062**	1.038**	0.793*	1.359**
	(0.162)	(0.116)	(0.232)	(0.103)	(0.097)	(0.102)	(0.198)	(0.343)	(0.41)
Father's Occupation [professional/managerial compared to unskilled labor]									
Baseline model	0.452**	0.298*	0.853**	0.399**	0.107	0.22	0.599**	-0.092	0.631*
	(0.122)	(0.148)	(0.269)	(0.095)	(0.138)	(0.12)	(0.228)	(0.259)	(0.275)
Achievement model	0.336**	0.226	0.758**	0.354**	0.096	0.049	0.412	-0.023	0.406
	(0.128)	(0.155)	(0.291)	(0.107)	(0.143)	(0.128)	(0.24)	(0.285)	(0.304)
Female									
Baseline model	-0.12	0.422**	0.141	-0.133*	-0.159*	0.299**	-0.504**	-0.330*	-0.29
	(0.076)	(0.059)	(0.104)	(0.067)	(0.067)	(0.056)	(0.161)	(0.14)	(0.158)
Achievement model	-0.132	0.372**	-0.036	-0.218**	-0.199**	0.112	-0.615**	0.005	-0.314
	(0.085)	(0.065)	(0.116)	(0.075)	(0.077)	(0.074)	(0.146)	(0.166)	(0.166)
African American [compared to white]									
Baseline model	0.556**	0.181	-0.484**	0.299*	-0.011	0	0.218	-0.520*	-0.637
	(0.151)	(0.116)	(0.167)	(0.137)	(0.109)	(0.111)	(0.239)	(0.235)	(0.346)
Achievement model	0.998**	1.051**	0.228	0.855**	0.745**	0.815**	1.058**	0.495	0.313
	(0.161)	(0.121)	(0.159)	(0.163)	(0.125)	(0.128)	(0.274)	(0.317)	(0.38)