



STRATIFICATION IN HIGHER EDUCATION

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*A Comparative Study*

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and Adam Gamoran, with Gila Menahem*

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CONTENTS

*Preface* 000  
*Contributors* 000

CHAPTER ONE

More Inclusion Than Diversion: Expansion, Differentiation,  
and Market Structure in Higher Education 000  
*Richard Arum, Adam Gamoran, and Yossi Shavit*

PART I: Diversified Systems

CHAPTER TWO

Israel: Diversification, Expansion and Inequality in Higher  
Education 000  
*Yossi Shavit, Hanna Ayalon, Svetlana Chachashvili-Bolotin,  
and Gila Menahem*

CHAPTER THREE

Japan: Educational Expansion and Inequality in Access  
to Higher Education 000  
*Hiroshi Ishida*

CHAPTER FOUR

Korea: Educational Expansion and Inequality of Opportunity  
for Higher Education 000  
*Hyunjoon Park*

viii *Contents*

CHAPTER FIVE

Sweden: Why Educational Expansion Is Not Such a Great Strategy  
for Equality—Theory and Evidence 000  
*Jan O. Jonsson and Robert Erikson*

CHAPTER SIX

Taiwan: Higher Education—Expansion and Equality  
of Educational Opportunity 000  
*Shu-Ling Tsai and Yossi Shavit*

CHAPTER SEVEN

United States: Changes in Higher Education and Social  
Stratification 000  
*Josipa Roksa, Eric Grodsky, Richard Arum,  
and Adam Gamoran*

PART II: Binary Systems

CHAPTER EIGHT

Great Britain: Higher Education Expansion and  
Reform—Changing Educational Inequalities 000  
*Sin Yi Cheung and Muriel Egerton*

CHAPTER NINE

France: Mass and Class—Persisting Inequalities  
in Post-Secondary Education 000  
*Pauline Givord and Dominique Goux*

CHAPTER TEN

Germany: Institutional Change and Inequalities of Access  
in Higher Education 000  
*Karl Ulrich Mayer, Walter Müller, and Reinhard Pollak*

CHAPTER ELEVEN

The Netherlands: Access to Higher Education—Institutional  
Arrangements and Inequality of Opportunity 000  
*Susanne Rijken, Ineke Maas, and Harry B.G. Ganzeboom*

CHAPTER TWELVE

Russia: Stratification in Postsecondary Education  
Since the Second World War 000  
*Theodore P. Gerber*

CHAPTER THIRTEEN

Switzerland: Tertiary Education Expansion and Social  
Inequality 000  
*Marlis Buchmann, Stefan Sacchi, Markus Lamprecht,  
and Hanspeter Stamm*

PART III: Unitary and Other Systems

CHAPTER FOURTEEN

Australia: Changes in Socioeconomic Inequalities in University  
Participation 000  
*Gary N. Marks and Julie McMillan*

CHAPTER FIFTEEN

The Czech Republic: Structural Growth of Inequality  
in Access to Higher Education 000  
*Petr Matějů, Blanka Řebáková, and Natalie Simonová*

CHAPTER SIXTEEN

Italy: Expansion, Reform, and Social Inequality  
in Higher Education 000  
*Ettore Recchi*

*Appendix: Supplemental Tables 000*

*Notes 000*

*Bibliography 000*

*Index 000*

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

\*p<0.05, \*\*p<0.01.

Note: Analyses based on the General Social Survey Chapter 7: Table 2

## Logistic Regression Models Predicting Educational Transition (conditional models)

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

Entering higher education Dataset	Enter Elite Baccalaureate			Enter Two-Year Institutions		
	Cohort 1 1970s NLS-72	Cohort 2 1980s HS&B	Cohort 3 1990s NELS	Cohort 1 1970s NLS-72	Cohort 2 1980s HS&B	Cohort 3 1990s NELS
<b>Parental Education</b> [high school graduate omitted]						
College and higher	1.890** (0.187)	1.340** (0.313)	1.646** (0.385)	-0.190 (0.097)	-0.334** (0.089)	-0.370** (0.102)
Some postsecondary	0.880** (0.197)	0.389 (0.310)	0.111 (0.404)	0.208** (0.079)	0.143* (0.070)	0.035 (0.081)
Less than high school	-0.189 (0.279)	0.502 (0.414)	0.304 (0.634)	-0.157 (0.102)	-0.135 (0.097)	0.034 (0.112)
<b>Father's Occupation</b> [unskilled labor omitted]						
Professional/managerial	0.599** (0.228)	<b>-0.092</b> (0.259)	0.631* (0.275)	0.038 (0.097)	-0.076 (0.123)	-0.138 (0.137)
Clerical/sales	0.564 (0.292)	-0.231 (0.273)	-0.208 (0.200)	0.147 (0.114)	-0.000 (0.104)	0.020 (0.081)
Self-employed	0.372 (0.866)	0.395 (0.230)	0.532* (0.238)	-0.696 (0.455)	0.117 (0.116)	-0.203* (0.102)
Skilled	0.291 (0.223)	-0.366 (0.230)	-0.170 (0.250)	0.006 (0.087)	0.075 (0.069)	0.091 (0.085)
Farmer	0.032 (0.519)	-1.995 (1.025)	0.952 (0.936)	-0.003 (0.123)	0.001 (0.145)	-0.210 (0.385)
<b>Single parent</b>		-0.330 (0.234)	0.057 (0.248)		0.021 (0.083)	0.096 (0.099)
<b>Female</b>	-0.504** (0.161)	-0.330* (0.140)	-0.290 (0.158)	-0.029 (0.067)	<b>0.277**</b> (0.057)	<b>0.078</b> (0.060)
<b>Race/ethnicity</b> [white omitted]						
African American	0.218 (0.239)	<b>-0.520*</b> (0.235)	-0.637 (0.346)	0.063 (0.139)	0.058 (0.098)	-0.194 (0.117)
Hispanic	-1.242* (0.543)	-0.298 (0.240)	0.327 (0.326)	0.497** (0.181)	0.090 (0.086)	0.329** (0.097)
Asian	1.186** (0.428)	0.195 (0.291)	0.666** (0.212)	0.332 (0.236)	0.229 (0.160)	0.096 (0.116)
Other non-white	-0.220 (0.326)	0.146 (0.727)	-1.050 (1.075)	-0.031 (0.181)	0.070 (0.199)	0.057 (0.210)
Constant	-4.227** (0.230)	-2.780** (0.333)	-3.706** (0.405)	-0.976** (0.083)	-0.682** (0.079)	-0.761** (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
	1970s NLS-72	1980s HS&B	1990s NELS	1970s NLS-72	1980s HS&B	1990s NELS	1970s NLS-72	1980s HS&B	1990s NELS
Entering higher education Dataset									
Parental Education [college and higher compared to high school graduate]									
Baseline model	1.605** (0.156)	1.716** (0.115)	1.835** (0.223)	1.168** (0.091)	1.050** (0.094)	1.664** (0.09)	1.890** (0.187)	1.340** (0.313)	1.646** (0.385)
Achievement model	1.144** (0.162)	1.150** (0.116)	0.971** (0.232)	0.842** (0.103)	0.664** (0.097)	1.062** (0.102)	1.038** (0.198)	0.793* (0.343)	1.359** (0.41)
Father's Occupation [professional/managerial compared to unskilled labor]									
Baseline model	0.452** (0.122)	0.298* (0.148)	0.853** (0.269)	0.399** (0.095)	0.107 (0.138)	0.22 (0.12)	0.599** (0.228)	-0.092 (0.259)	0.631* (0.275)
Achievement model	0.336** (0.128)	0.226 (0.155)	0.758** (0.291)	0.354** (0.107)	0.096 (0.143)	0.049 (0.128)	0.412 (0.24)	-0.023 (0.285)	0.406 (0.304)
Female									
Baseline model	-0.12 (0.076)	0.422** (0.059)	0.141 (0.104)	-0.133* (0.067)	-0.159* (0.067)	0.299** (0.056)	-0.504** (0.161)	-0.330* (0.14)	-0.29 (0.158)
Achievement model	-0.132 (0.085)	0.372** (0.065)	-0.036 (0.116)	-0.218** (0.075)	-0.199** (0.077)	0.112 (0.074)	-0.615** (0.146)	0.005 (0.166)	-0.314 (0.166)
African American [compared to white]									
Baseline model	0.556** (0.151)	0.181 (0.116)	-0.484** (0.167)	0.299* (0.137)	-0.011 (0.109)	0 (0.111)	0.218 (0.239)	-0.520* (0.235)	-0.637 (0.346)
Achievement model	0.998** (0.161)	1.051** (0.121)	0.228 (0.159)	0.855** (0.163)	0.745** (0.125)	0.815** (0.128)	1.058** (0.274)	0.495 (0.317)	0.313 (0.38)