

Descriptives

Tables

Table 1. Means, Standard Deviations, Ranges and Description of Variables for Black-Non Hispanic Females

Variable	N	Mean	S.D.	Range	Description: NELS Variable NAME and Label
<i><u>Dependent Variables</u></i>					
Mathematics Standardized Score in 1992	437	45.46	9.19	30.42 – 67.22	F22XMSTD 'F2 Mathematics Standardized Score'
Respondent Took Math Class/es During Post Secondary Education (PSE)	316	0.68	0.47	0 – 1	REGMATH 'During the Last Two Years, Have You Had One or More Courses in Non-Remedial Math?'
<i><u>Student Level Variables</u></i>					
Respondent's Educational Aspirations	573	4.76	1.22	1 – 6	BYS45 'How Far in School Do You Think You Will Get?'
Math Grades from 6 th - until 8 th -Grade	564	3.88	0.98	1 – 5	BYS81B 'Math Grades from Grade 6 until Now'
Amount of Coursework Taken in Geometry (in years)	506	0.46	0.52	0 – 2	F1S22D 'From the Beginning of 9 th -Grade to the End of This School Year, How Much Coursework Will You Have Taken in Geometry'
Amount of Coursework Taken in Algebra II (in years)	499	0.22	0.43	0 – 2	F1S22E 'From the Beginning of 9 th -Grade to the End of This School Year, How Much Coursework Will You Have Taken in Algebra II'
Time Spent on Extracurricular Activities	493	1.65	1.55	0 – 7	F2S31 'In a Typical Week, How Much Total Time do You Spend on All School Sponsored Extracurricular Activities (Sports, Clubs, or Other Activities)?'
Respondent Has Been Held Back	527	0.17	0.37	0 – 1	F2N16 'Were You Held Back (Made to Repeat) a Grade in School?'

Variable	N	Mean	S.D.	Range	Description: NELS Variable NAME and Label
Part of Friends Who Plan to Attend a Two-Year Community College or Technical School	443	1.54	1.05	0 – 4	F2S69D 'How Many of Your Friends Plan to Attend a Two-Year Community College or Technical School?'
Part of Friends Who Plan to Attend a Four-Year College or University	446	2.50	1.09	0 – 4	F2S69E 'How Many of Your Friends Plan to Attend a Four-Year College or University?'
<i>Family Level Variables</i>					
Family Income Rescaled	517	6.87	2.92	0 – 14	BYFAMINC 'Yearly Family Income'
Parental Involvement	451	2.15	1.24	0 – 4	Sum of 4 Items: <u>from</u> BYS37A 'Respondent's Parents Attended a School Meeting' <u>thru</u> BYS37D 'Respondent's Parents Attended a School Event'
<i>School Level Variables</i>					
Private School	582	0.12	0.33	0 – 1	G8CTRL 'School Control Composite'
Percent Minority in School	580	5.02	1.61	0 – 7	G8MINOR 'Percent Minority in School'
Students Incapable of Learning Material	458	1.98	1.51	0 – 5	F1T4_1I 'Many of the Students I Teach Are Not Capable of Learning the Material I am Supposed to Teach Them'

Table 4.1. Weighted Means, Standard Deviations, and Ranges of Variables for Black Respondents

Variables	Year 1994				Year 2000				Year 2006			
	N	Mean	St. Dev.	Range	N	Mean	St. Dev.	Range	N	Mean	St. Dev.	Range
<u>Dependent Variables</u>												
Blacks Overcome Prejudice w/o Favors	189	2.02	1.52	0 – 4	293	2.15	1.54	0 – 4	277	2.39	1.45	0 – 4
Favor Preference in Hiring Blacks	179	1.12	1.23	0 – 3	277	1.57	1.25	0 – 3	264	1.62	1.22	0 – 3
<u>Main Independent Variable</u>												
Resp. Socio-Economic Index in 1 st Quartile	365	0.47	0.50	0 – 1	396	0.39	0.49	0 – 1	575	0.36	0.48	0 – 1
<u>Demographic Variables</u>												
Resp. Is Male	388	0.42	0.49	0 – 1	429	0.39	0.49	0 – 1	634	0.39	0.49	0 – 1
Resp. Age in Years (Rescaled) ^a	386	25.02	15.54	0 – 71+	426	24.64	15.33	0 – 71+	632	24.72	15.41	0 – 71+
Resp. Highest Year of School Completed	386	12.33	2.91	0 – 20	426	12.39	2.61	0 – 20	630	12.83	2.82	0 – 20
Resp. Has Never Been Married (Ref. Cat.)	388	0.30	0.46	0 – 1	429	0.35	0.48	0 – 1	634	0.41	0.49	0 – 1
Resp. Has Been Married Previously	388	0.25	0.43	0 – 1	429	0.29	0.46	0 – 1	634	0.23	0.42	0 – 1
Resp. Is Married	388	0.45	0.50	0 – 1	429	0.36	0.48	0 – 1	634	0.36	0.48	0 – 1
Resp. Total Family Income ^b	317	13.43	5.41	1 - 21	360	13.56	5.62	1 - 23	530	15.12	5.83	1 - 25
<u>Attitudinal Variables</u>												
Resp. Attendance of Religious Services	383	4.46	2.45	0 – 8	415	4.29	2.66	0 – 8	632	4.48	2.83	0 – 8
Resp. Level of Liberalism	366	3.23	1.37	0 – 6	392	3.10	1.37	0 – 6	601	3.23	1.40	0 – 6
Resp. Identifies with Democratic Party	378	0.69	0.46	0 – 1	425	0.60	0.49	0 – 1	628	0.64	0.48	0 – 1

^a The variable "Resp. Age in Years" has been rescaled by subtracting the minimum value, that is 18 years of age (cf. Method Section for further details).

^b The variable "Resp. Total Family Income" for 1996, 2000, and 2006 refers respectively to such income declared in 1991, 1998, and 2006.

T-Test

Table 2. Comparison of Means on Mathematics Standardized Score in 1992 by Independent Variables

<i>Independent Variables</i>	<i>Mathematics Standardized Score in 1992 (n_i in parentheses)</i>
<i>Respondent Has Been Held Back</i>	
No	47.03 ^{***} (338)
Yes	39.35 (56)
<i>Private School</i>	
No	45.01 ^{**} (387)
Yes	48.97 (50)

** p = .01

*** p = .001

Note: Within each predictor on the dependent variable, the superscript of the level of statistical significance is placed just on one of the two categories to indicate that the relative mean scores are statistically different from each other.

T-Test

Table 5. Comparison of Means on Respondent Took Math Class/es During PSE by Independent Variables

Independent Variables	Respondent Took Math Class/es During PSE	
	No	Yes
Amount of Coursework Taken in Geometry (in years)	0.55 [*] (89)	0.68 (201)
Mathematics Standardized Score in 1992	47.01 ^{**} (76)	50.26 (338)
Family Income	7.36 (89)	7.91 (199)
Parental Involvement	2.34 (80)	2.41 (169)
Percent Minority in School	4.96 (100)	4.97 (216)
Students Incapable of Learning Material	1.89 (85)	1.99 (182)

* p = .05

Note: The superscript of the level of statistical significance is placed just on one of the two categories of the dependent variable to indicate that the mean scores of such two categories are statistically significant from each other. Conversely, the absence of a superscript on any of the two categories of the dependent variable indicates that they do not differ from each other at any of the levels of statistical significance considered.

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T-Test

Table 4.2. Weighted Comparison of Means on Dependent Variables by Independent Variables (n_i and N in parentheses)

<i>Independent Variables</i>	<i>Year 1994</i>		<i>Year 2000</i>		<i>Year 2006</i>	
	Blacks Overcome Prejudice w/o Favors	Favor Preference in Hiring Blacks	Blacks Overcome Prejudice w/o Favors	Favor Preference in Hiring Blacks	Blacks Overcome Prejudice w/o Favors	Favor Preference in Hiring Blacks
<i>Resp. Socio-Economic Index in 1st Quartile</i>						
No	1.80** (97)	1.19 (93)	1.95** (168)	1.68 (163)	2.22** (169)	1.59 (161)
Yes	2.36 (81)	1.04 (75)	2.41 (102)	1.40 (93)	2.75 (86)	1.77 (81)
Total	178	168	270	256	255	242
<i>Resp. Is Male</i>						
No	1.98 (125)	1.04 (117)	2.30* (190)	1.58 (180)	2.15*** (179)	1.51* (173)
Yes	2.10 (64)	1.24 (62)	1.92 (103)	1.56 (97)	2.82 (98)	1.82 (91)
Total	189	179	293	277	277	264
<i>Resp. Identifies with Democratic Party</i>						
No	1.93 (51)	1.26 (49)	2.37* (121)	1.76* (118)	2.63 (93)	1.62 (87)
Yes	2.08 (136)	1.08 (128)	2.02 (170)	1.45 (157)	2.29 (183)	1.63 (176)
Total	187	177	291	275	276	263
Total	2.02	1.12	2.15	1.57	2.39	1.62

Note: Within each predictor on both dependent variables, the level of statistical significance is placed just on one of the two categories. The compared means within each predictor without a superscript do not differ from each other at any of the levels of statistical significance considered.

* $p = .05$ ** $p = .01$ *** $p = .001$

ANOVA

Table 5D. ANOVA Comparing Test Scores (% Correct) by Education Level
 {Number of questions in Braces}
 [Mean Correct in Brackets]
 (Number of Respondents in Parentheses)

Education Level	Kigali {n=25} [11.30] (165)	Kiziba ² {n=25} [8.17] (66)	Dzaleka {n=25} [8.24] (102)	Kakuma ³ {n=25} [10.33] (112)
In Regis/Foundational ¹	45% [11.31] (112)	27% ^a [6.82] (11)	37% [9.25] (4)	39% ^a [9.63] (59)
In AA	51% [12.80] (5)	32% ^{a,b} [7.89] (27)	33% [8.33] (85)	40% ^{a,b} [9.94] (47)
In BA	45% [11.22] (45)	36% ^b [9.00] (27)	30% [7.50] (10)	49% ^b [12.13] (8)

Note: Within the predictor variable, categories share a common superscript if their difference is not statistically significant at the .05 level. Those compared means without a superscript do not differ from each other.

¹ Dzaleka and Kakuma are Foundational

²For Kiziba, Regis/Foundational are different from BA

³For Kakuma, Regis/Foundational are different from BA

Table 4.3. Weighted Comparison of Means on Dependent Variables by Marital Status Variable (n_i and N in parentheses)

<u>Resp. Marital Status</u>	Year 1994		Year 2000		Year 2006	
	Blacks Overcome Prejudice w/o Favors	Favor Preference in Hiring Blacks	Blacks Overcome Prejudice w/o Favors	Favor Preference in Hiring Blacks	Blacks Overcome Prejudice w/o Favors	Favor Preference in Hiring Blacks
Resp. Has Never Been Married	1.78 ^a (53)	0.82 (54)	1.96 ^a (109)	1.31 ^a (102)	2.56 (103)	1.80 ^{aaa} (97)
Resp. Has Been Married Previously	2.47 ^{a-b} (70)	1.35 (68)	2.54 ^a (96)	1.57 (90)	2.04 (95)	1.16 ^{aaa-bbb} (90)
Resp. Is Married	1.85 ^b (66)	1.15 (57)	2.05 (89)	1.82 ^a (85)	2.50 (79)	1.78 ^{bbb} (77)
Total	2.02 (189)	1.12 (179)	2.15 (293)	1.57 (277)	2.39 (277)	1.62 (264)

Note: Within the predictor on both dependent variables, two categories share a common superscript if their difference is not statistically significant at either .05 or .001 level ("a" or "b" indicate $p = .05$ whereas "aaa" or "bbb" represent $p = .001$). Those compared means without a common superscript do not differ from each other at any of the levels of statistical significance considered.

Chi - Square

Table 4. Cross Tabulations of Age by Frequency of HIV Testing

(Observed Count in Parentheses)

[Expected Count in Brackets]

	Respondent tested for HIV in the past 12 months (row percentages)		
	Yes	No	Total
<i>Respondent is between ages 18 - 24</i>			
Yes	15.5%	16.8%	16.4%
	(198)	(463)	(661)
	[209.5]	[451.5]	[661]
<i>Respondent is between ages 25 - 44</i>			
Yes	52.2%	45.6%	47.7%
	(668)	(1258)	(1926)
	[610.3]	[1315.7]	[1926]
<i>Respondent is between ages 45 - 64</i>			
Yes	32.3%	37.6%	35.9%
	(413)	(1036)	(1449)
	[459.2]	[989.8]	[1449]
Total	100%	100%	100%
	(1279)	(2757)	(4036)
Chi-Square		15.692	
(p value)		.000	

pearson's correlation

Table 3. Pearson's Correlations

Variables	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
(1) Mathematics Standardized Score in 1992	1	---	---	---	---	---	---	---	---	---	---	---
(2) Respondent's Educational Aspirations	.35**	1	---	---	---	---	---	---	---	---	---	---
(3) Math Grades from 6 th - until 8 th -Grade	.40**	.12**	1	---	---	---	---	---	---	---	---	---
(4) Amount of Coursework Taken in Geometry (in years)	.53**	.24**	.25**	1	---	---	---	---	---	---	---	---
(5) Amount of Coursework Taken in Algebra II (in years)	.37**	.17**	.08	.36**	1	---	---	---	---	---	---	---
(6) Time Spent on Extracurricular Activities	.30**	.22**	.13**	.18**	.12*	1	---	---	---	---	---	---
(7) Part of Friends Who Plan to Attend a Two-Year Community College or Technical School	-.22**	-.13**	-.13**	-.21**	-.16**	-.09	1	---	---	---	---	---
(8) Part of Friends Who Plan to Attend a Four-Year College or University	.21**	.29**	.04	.19**	.13*	.18**	-.00	1	---	---	---	---
(9) Family Income	.37**	.25**	.12**	.20**	.15**	.08	-.09	.25**	1	---	---	---
(10) Parental Involvement	.29**	.28**	.07	.21**	.18**	.18**	-.16**	.19**	.26**	1	---	---
(11) Percent Minority in School	-.10*	-.08	.00	.04	-.03	-.07	.05	.04	-.13**	.02	1	---
(12) Students Incapable of Learning Material	-.07	.01	.02	-.12*	-.08	-.06	-.01	.00	-.01	-.00	.10*	1

* p = .05

** p = .01

Table 4. Weighted Pearson's Correlations between Dependent and Independent Variables (N in parentheses)

Variables	Year 1994		Year 2000		Year 2006	
	Blacks Overcome Prejudice w/o Favors	Favor Preference in Hiring Blacks	Blacks Overcome Prejudice w/o Favors	Favor Preference in Hiring Blacks	Blacks Overcome Prejudice w/o Favors	Favor Preference in Hiring Blacks
(1) Blacks Overcome Prejudice w/o Favors	---	---	---	---	---	---
(2) Favor Preference in Hiring Blacks	.22** (174)	---	.23** (266)	---	.33** (262)	---
Resp. Age in Years	.06 (188)	.07 (178)	.08 (292)	-.01 (276)	-.14* (276)	-.17** (263)
Resp. Highest Year of School Completed	-.24** (188)	.07 (179)	-.21** (292)	.03 (276)	-.25** (276)	-.10 (263)
Resp. Total Family Income	.06 (186)	.13 (176)	-.06 (283)	.16** (270)	-.08 (276)	.05 (263)
Resp. Attendance of Religious Services	-.07 (180)	-.10 (171)	-.08 (271)	-.04 (256)	-.06 (267)	-.05 (256)
Resp. Level of Liberalism	-.06 (152)	.18* (144)	-.14* (247)	.12 (238)	-.20** (240)	-.11 (230)

* p = .05

** p = .01

OLS Regression

Table 4. Unstandardized Regression Coefficients (Beta in parentheses) for Mathematics Standardized Score in 1992 (N = 194)^a

	Model I	Model II	Model III
<u>Student Level Variables</u>			
Respondent's Educational Aspirations	1.52** (.18)	1.07* (.13)	1.13* (.14)
Math Grades from 6 th - until 8 th -Grade	2.31*** (.24)	2.32*** (.24)	2.30*** (.24)
Amount of Coursework Taken in Geometry (in years)	3.88*** (.23)	3.85*** (.22)	3.96*** (.23)
Amount of Coursework Taken in Algebra II (in years)	4.93*** (.24)	4.40*** (.21)	4.37*** (.21)
Time Spent on Extracurricular Activities	0.86** (.15)	0.77* (.13)	0.67* (.11)
Respondent Has Been Held Back	-5.28** (-.17)	-4.47** (-.15)	-4.86** (-.16)
Part of Friends Who Plan to Attend a Two-Year Community College or Technical School	-0.96* (-.11)	-0.73 (-.09)	-0.70 (-.08)
Part of Friends Who Plan to Attend a Four-Year College or University	0.99† (.10)	0.60 (.06)	0.57 (.06)
<u>Family Level Variables</u>			
Family Income	---	0.53** (.17)	0.51** (.16)
Parental Involvement	---	0.72† (.10)	0.78* (.11)
<u>School Level Variables</u>			
Private School	---	---	-0.75 (-.03)
Percent Minority in School	---	---	-0.53† (-.09)
Students Incapable of Learning Material	---	---	-0.54† (-.09)
Constant	24.87***	22.55***	26.32***
Adjusted R ²	.503	.539	.550
F	25.41***	23.53***	19.14***

^a Information above is based on a listwise deletion of cases.

† p < .1

* p < .05

** p < .01

*** p < .001

Table 4.6. OLS Regression on Favor Preference in Hiring Blacks for Selected Years (Betas in parentheses)^a

Variables	Year 1994 (N = 128)			Year 2000 (N = 200)			Year 2006 (N = 205)		
	Model I	Model II	Model III	Model IV	Model V	Model VI	Model VII	Model VIII	Model IX
<i>Main Independent Variable</i>									
Resp. Socio-Economic Index in 1 st Quart.	-.30 (.18)	-.19 (-.08)	-.07 (-.03)	-.19 (-.07)	-.15 (-.06)	-.15 (-.06)	.13 (.05)	-.05 (-.02)	-.08 (-.03)
<i>Demographic Variables</i>									
Resp. Is Male	---	.26 (.10)	.40 (.16)	---	-.29 (-.11)	-.23 (-.09)	---	.37* (.15)	.47** (.19)
Resp. Age in Years (Rescaled)	---	-.00 (-.05)	-.00 (-.04)	---	-.02* (-.17)	-.01* (-.14)	---	-.01 (-.12)	-.01 (-.15)
Resp. Highest Year of School Completed	---	-.02 (-.04)	-.02 (-.04)	---	-.05 (-.10)	-.05 (-.10)	---	-.02 (-.05)	-.02 (-.05)
Resp. Has Been Married Previously	---	.69* (.26)	.59 (.22)	---	.52* (.19)	.41 (.15)	---	-.44 (-.16)	-.46 (-.17)
Resp. Is Married	---	.07 (.03)	-.15 (-.06)	---	.72* (.28)	.57* (.23)	---	.14 (.06)	.11 (.05)
Resp. Total Family Income	---	.05* (.22)	.06* (.26)	---	.03 (.12)	.03 (.12)	---	-.03 (-.12)	-.03 (-.15)
<i>Attitudinal Variables</i>									
Resp. Attendance of Religious Services	---	---	.07 (.12)	---	---	.05 (.09)	---	---	.05 (.10)
Resp. Level of Liberalism	---	---	-.16* (-.18)	---	---	-.04 (-.05)	---	---	-.07 (-.08)
Resp. Identifies with Democratic Party	---	---	-.04 (-.01)	---	---	-.35 (-.13)	---	---	.11 (.04)
Constant	1.41***	0.63	0.68	1.73***	1.98***	2.12***	1.68***	2.60***	2.68***
Adjusted R ²	.007	.037	.068	.000	.045	.058	.000	.073	.079

^a Information above is based on a listwise deletion of cases.

* p = .05

** p = .01

*** p = .001

Logistic Regressions

Table 7. Logistic Regression Coefficients (Odds Ratio in parentheses) Predicting Respondent Took Math Class/es During PSE (N = 147)^a

	Model I	Model II	Model III	Model IV
<i><u>Student Level Variables</u></i>				
Amount of Coursework Taken in Geometry (in years)	0.72* (2.05)	0.41 (1.51)	0.44 (1.56)	0.48 (1.62)
Respondent Has Been Held Back	-0.04 (0.96)	0.18 (1.19)	0.23 (1.26)	0.22 (1.25)
Mathematics Standardized Score in 1992	---	0.06* (1.06)	0.07* (1.07)	0.07* (1.07)
<i><u>Family Level Variables</u></i>				
Family Income	---	---	0.03 (1.03)	0.02 (1.02)
Parental Involvement	---	---	-0.18 (0.84)	-0.22 (0.81)
<i><u>School Level Variables</u></i>				
Private School	---	---	---	0.14 (1.15)
Percent Minority in School	---	---	---	-0.11 (0.89)
Students Incapable of Learning Material	---	---	---	0.12 (1.13)
Constant	0.17 (1.19)	-2.56* (0.08)	-2.73† (0.07)	-2.49† (0.08)
χ^2 (df)	4.32 (2)	10.39* (3)	11.65* (5)	13.35† (8)
-2 Log likelihood	185.47	179.40	178.13	176.43
Nagelkerke R ²	.04	.09	.11	.12

^a Information above is based on a listwise deletion of cases.

† p < .1

* p < .05

** p < .01

*** p < .001