The Widening Academic Achievement Gap Between the Rich and the Poor:

New Evidence and Possible Explanations


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FIGURE 5.1 Trend in 90/10 Income Achievement Gap in Reading, by Birth Cohort (1943 to 2001 Cohorts)


Note: See note 4 and online appendix for further details.
FIGURE 5.2 Trend in 90/10 Income Achievement Gap in Math, by Birth Cohort (1943 to 2001 Cohorts)


Note: See note 4 and online appendix for further details.
FIGURE 5.3 Comparison of Income and Black-White Reading-Gap Trends (1943 to 2001 Cohorts)

Trends in Income and Black-White Gaps in Reading, 1943-2001 Cohorts


Note: Solid symbols represent 90/10 income achievement gaps; hollow symbols denote black-white achievement gaps. See note 6 and online appendix section 5.A5 for further details.
FIGURE 5.4 Comparison of Income and Black-White Math-Gap Trends (1943 to 2001 Cohorts)

Note: Solid symbols represent 90/10 income achievement gaps; hollow symbols denote black-white achievement gaps. See note 6 and online appendix section 5.A5 for further details.
FIGURE 5.5 Income achievement Gradient, by Age and Subject, All Longitudinal Studies

Income Achievement Gaps, by Age and Subject

FIGURE 5.6 Trends in Family-Income Inequality Among School-Age Children, 1967 to 2008 (Weighted by Number of School-Age Children)

Income Inequality Trends, 1967-2008, All Families with School-Age Children
Weighted by Number of School-Age Children

Source: Author’s calculations, based on U.S. Bureau of the Census (King et al. 2010).

Note: Each line shows the trends in the ratio of household incomes at two percentiles of the income distribution. All trends are divided by their value in 1967 in order to put the trends on a common scale.
FIGURE 5.7 Trend in 90/50 and 50/10 Income Achievement Gap, Reading, by Birth Year (1943 to 2001 Cohorts)

Trends in 90/50 and 50/10 Income Gaps in Reading, 1943-2001 Cohorts


Note: Solid symbols represent 90/50 income achievement gaps; hollow symbols represent 50/10 income achievement gaps.
FIGURE 5.8 Trends in 90/50 and 50/10 Income Achievement Gap in Math, by Birth Year (1943 to 200 Cohorts)


Note: Solid symbols represent 90/50 income achievement gaps; hollow symbols represent 50/10 income achievement gaps.

Note: See note 12 for further details.
FIGURE 5.10 Estimated Partial Associations Between Reading Test Scores and Both Income and Parental Education, by Birth Cohort (1943 to 2001 Cohorts)

Trends in Adjusted Associations Between Reading and Both Income and Parental Education, 1943-2001 Cohorts


Note: Solid symbols represent regression-adjusted 90/10 income coefficients; hollow symbols represent regression-adjusted parental education coefficients. See note 12 for further details.
FIGURE 5.11 Estimated Partial Associations Between Math Test Scores and Both Income and Parental Education, by Birth Cohort (1943 to 2001 Cohorts)

Trends in Adjusted Associations Between Math and Both Income and Parental Education, 1943-2001 Cohorts


Note: Solid symbols represent regression-adjusted 90/10 income coefficients; hollow symbols represent regression-adjusted parental education coefficients. See note 12 for further details.