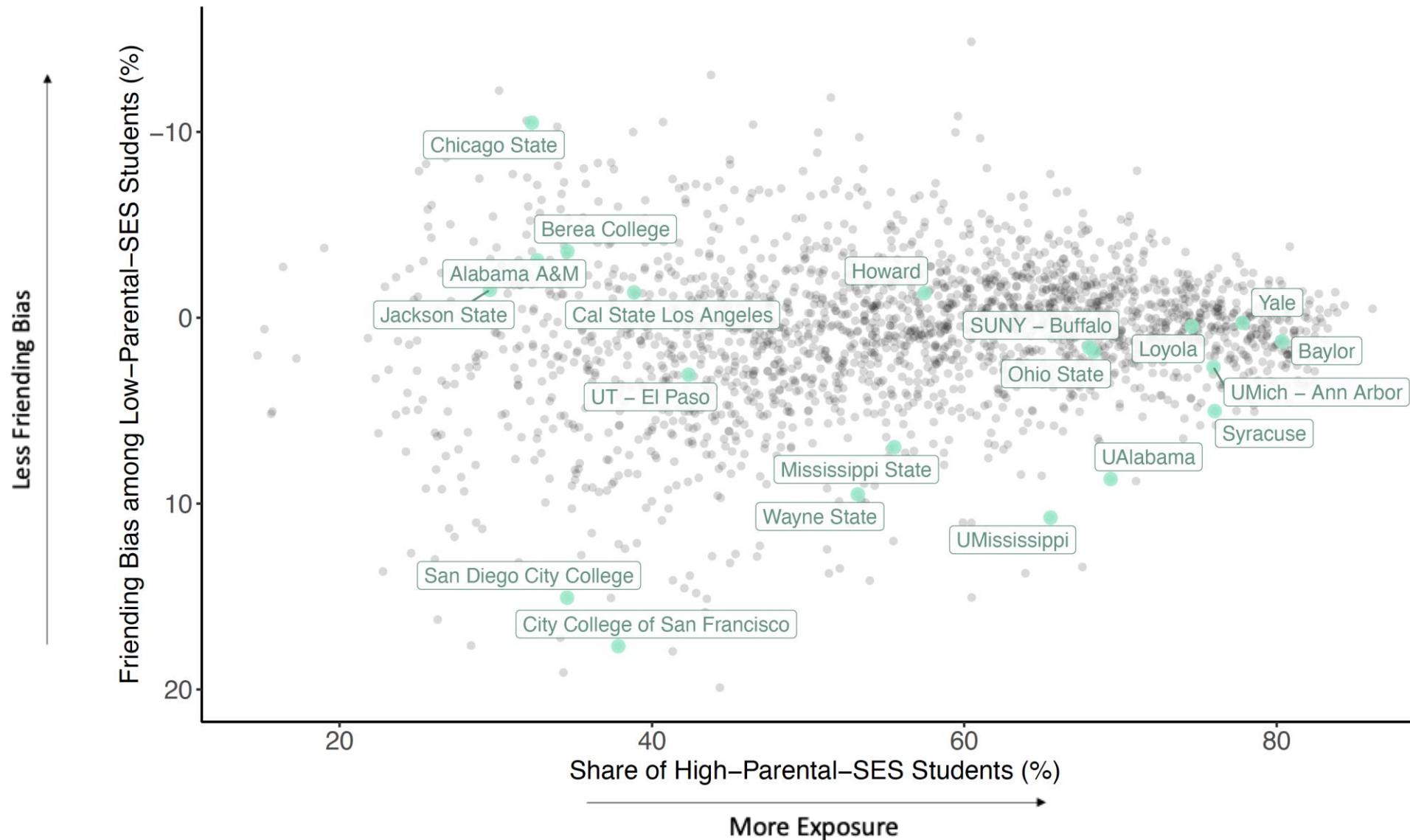


Supplementary Slides

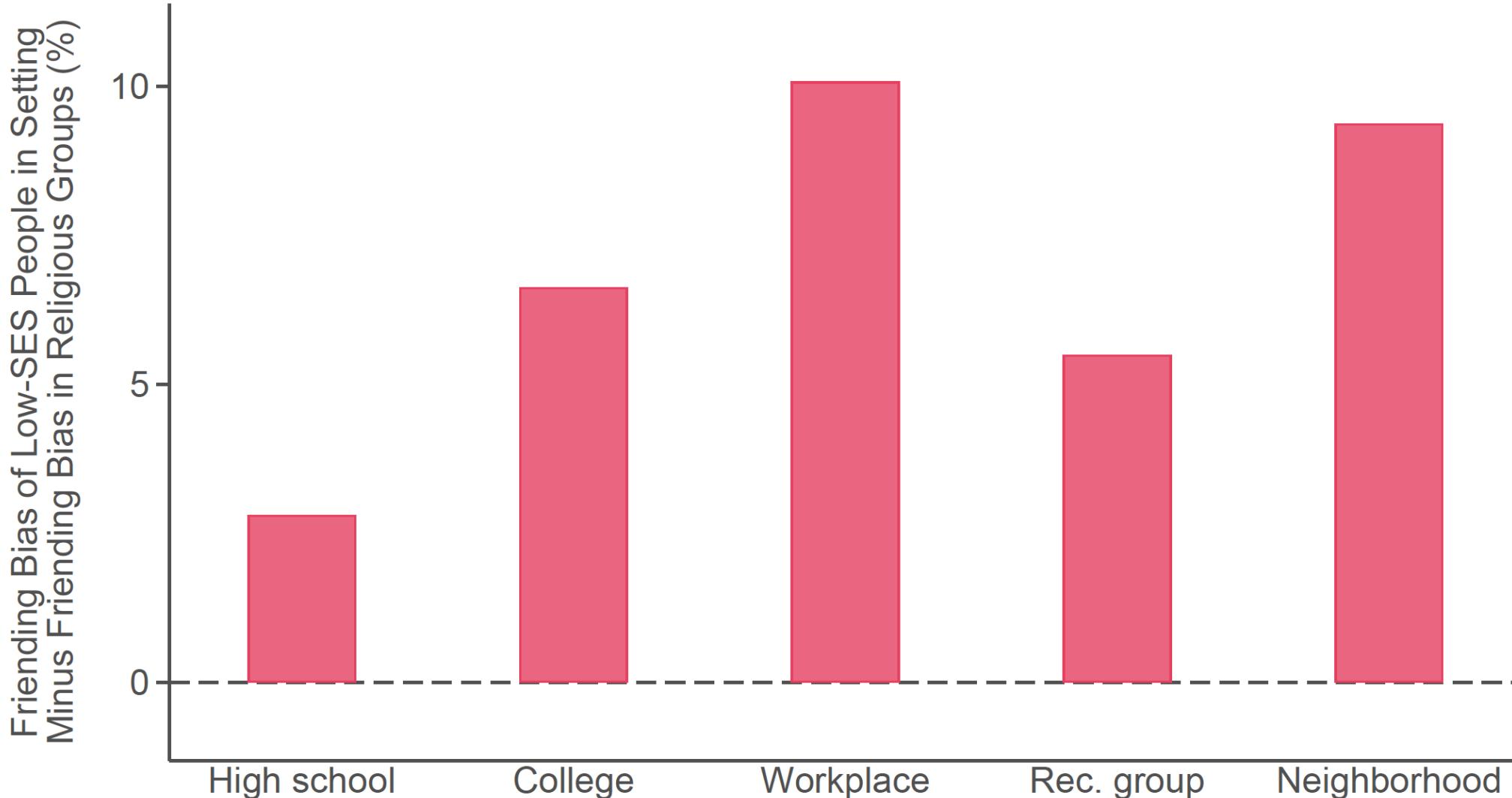
Friending Bias vs. Exposure to High-SES Students, by College

Among Low-SES Students in 1990-2000 Birth Cohorts



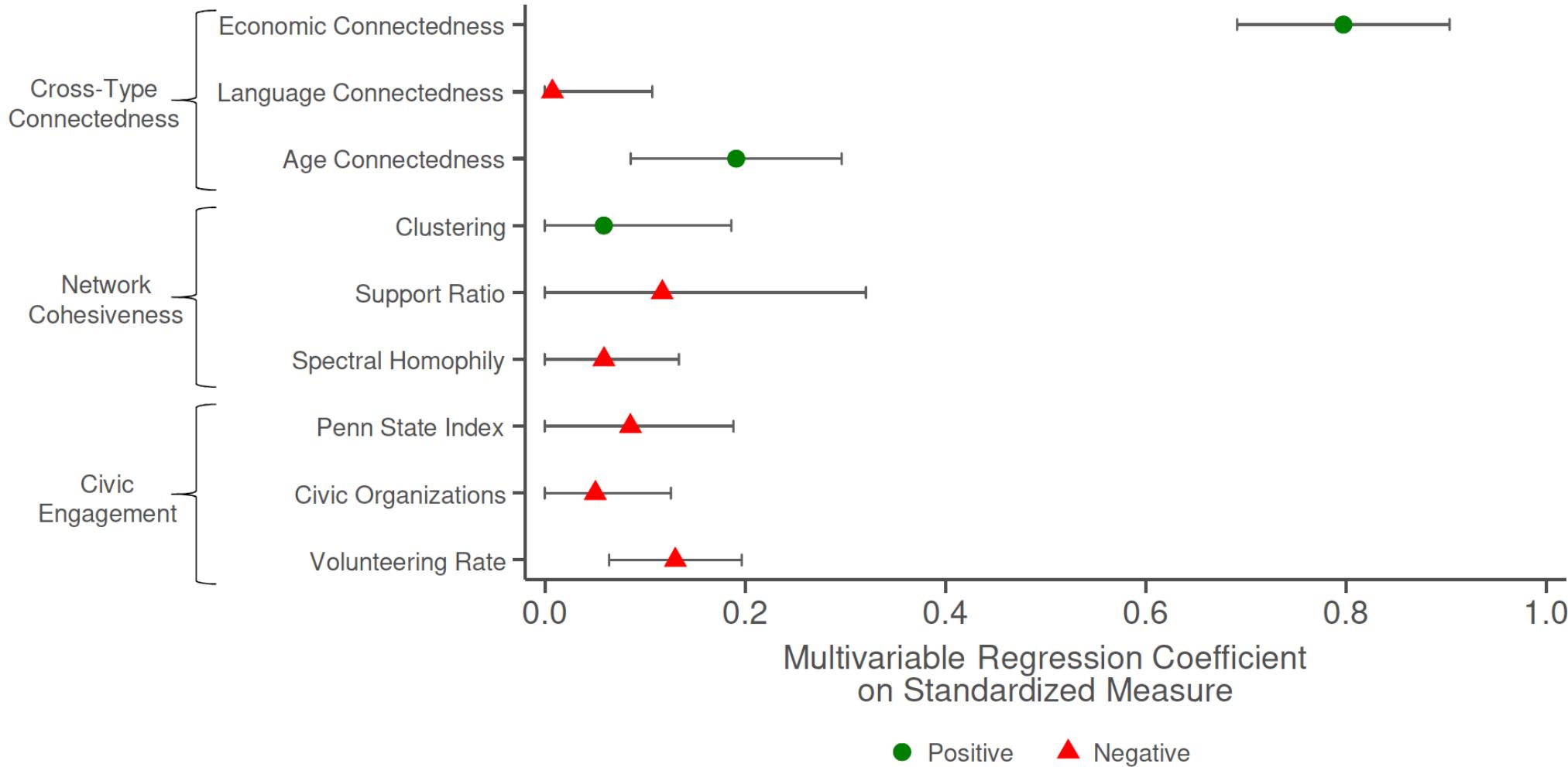
Difference in Friending Bias Exhibited in Other Groups vs. Religious Groups

Members of Religious Groups

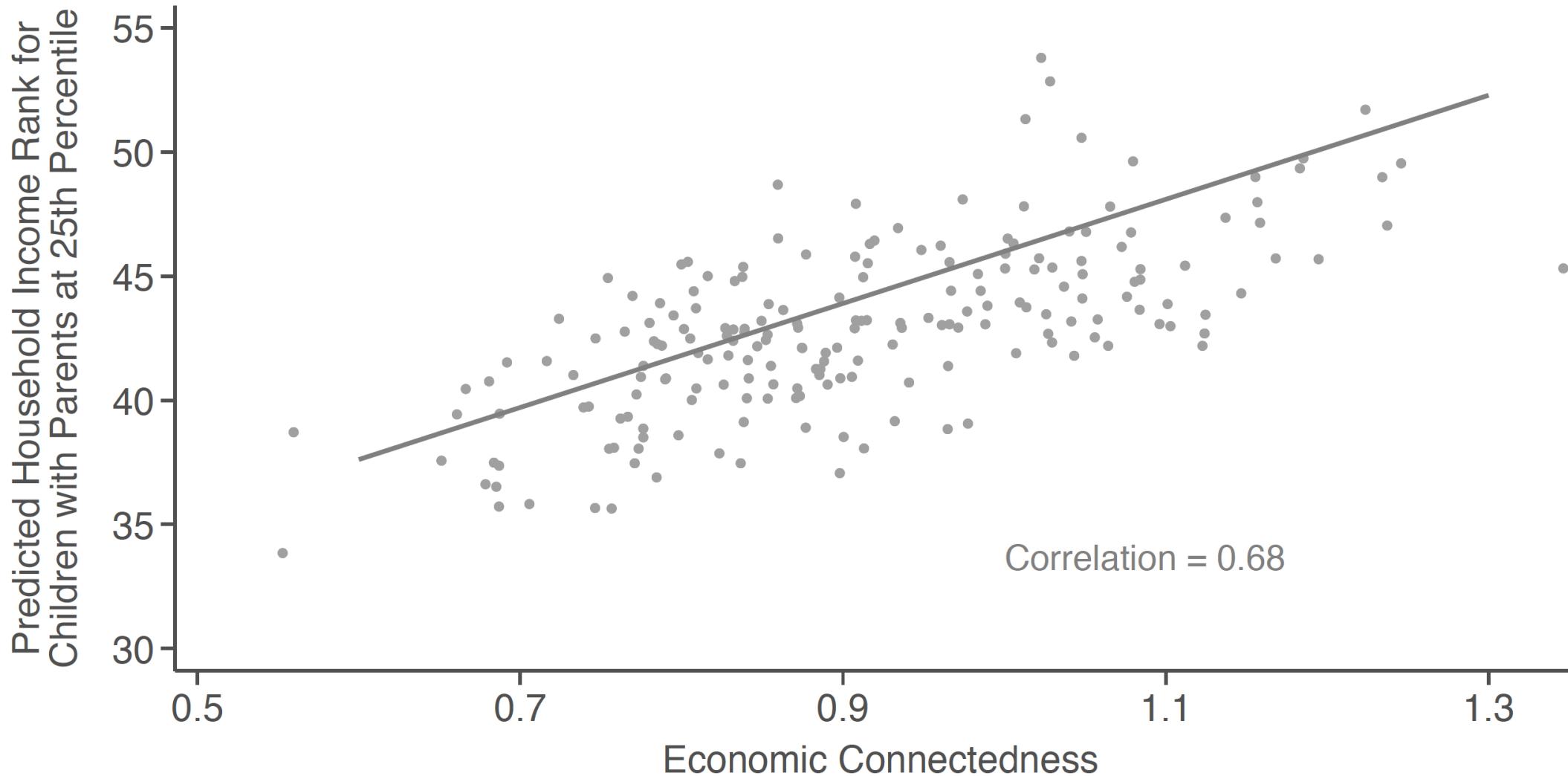


Correlations between Upward Mobility and Measures of Social Capital

Coefficients from County-level Multivariable Regression



Selection on Race: Upward Mobility vs. EC in Counties with >90% White Residents

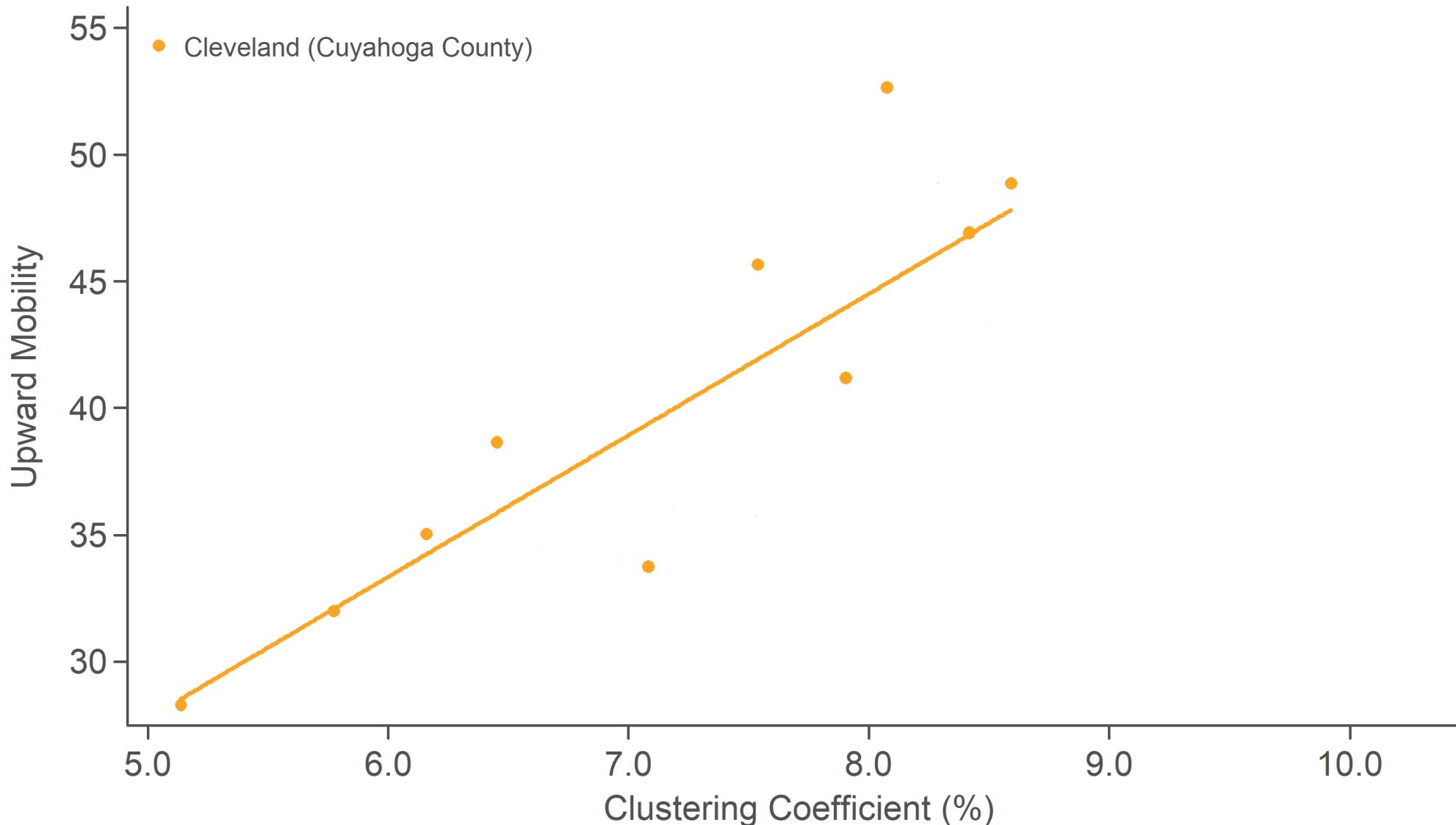


Associations between Friending Bias, Exposure, and Upward Mobility across Counties and ZIP Codes

Dependent Variable:	log(Upward Mobility)				log(Causal Upward Income Mobility)		
	ZIP Codes				Counties		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
log (Economic Connectedness)	0.236*** (0.01)		0.227*** (0.01)		0.272*** (0.02)		
log (High-SES Exposure)		0.248*** (0.01)		0.224*** (0.02)		0.286*** (0.02)	0.116*** (0.02)
log (1 - Friending Bias)			0.185*** (0.03)	0.236*** (0.04)		0.142* (0.08)	0.339*** (0.07)
County FEs	No	No	Yes	Yes	No	No	No
Observations	24,200	24,200	24,200	24,200	2,986	2,986	2,136
R-squared	0.42	0.43	0.71	0.71	0.38	0.39	0.03

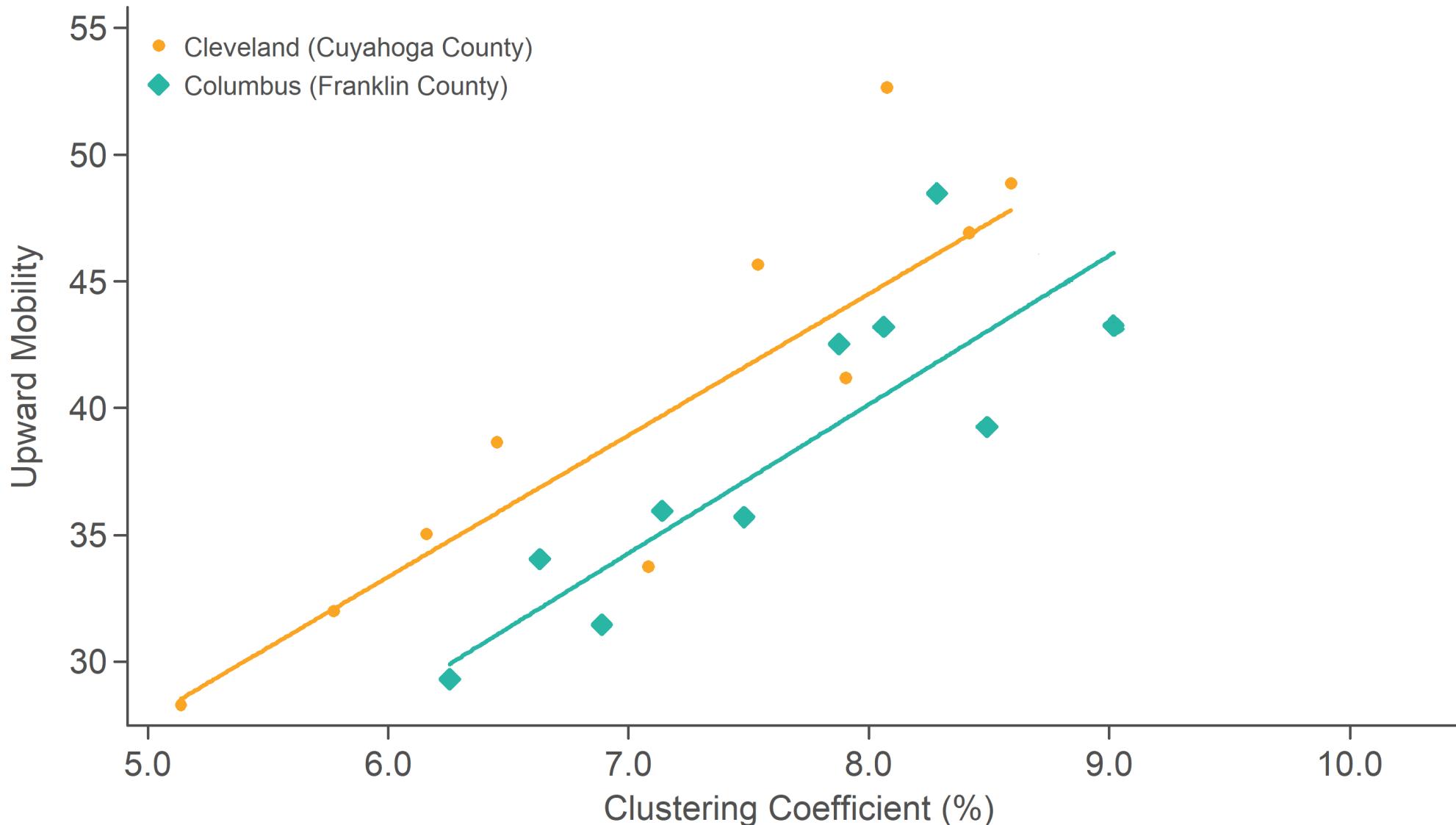
Relationship between Clustering and Upward Mobility

Across ZIP Codes for Four Counties in Ohio



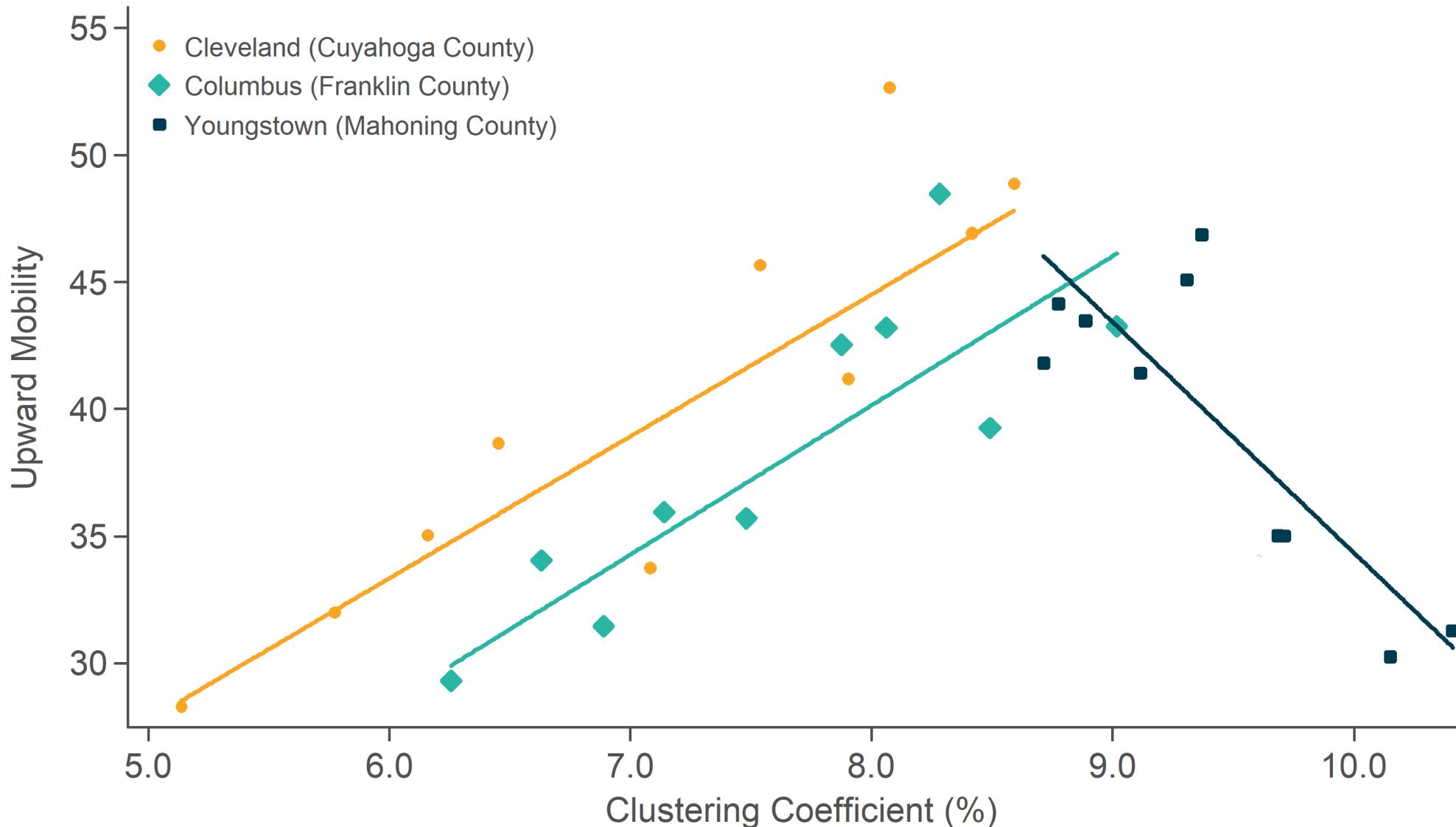
Relationship between Clustering and Upward Mobility

Across ZIP Codes for Four Counties in Ohio



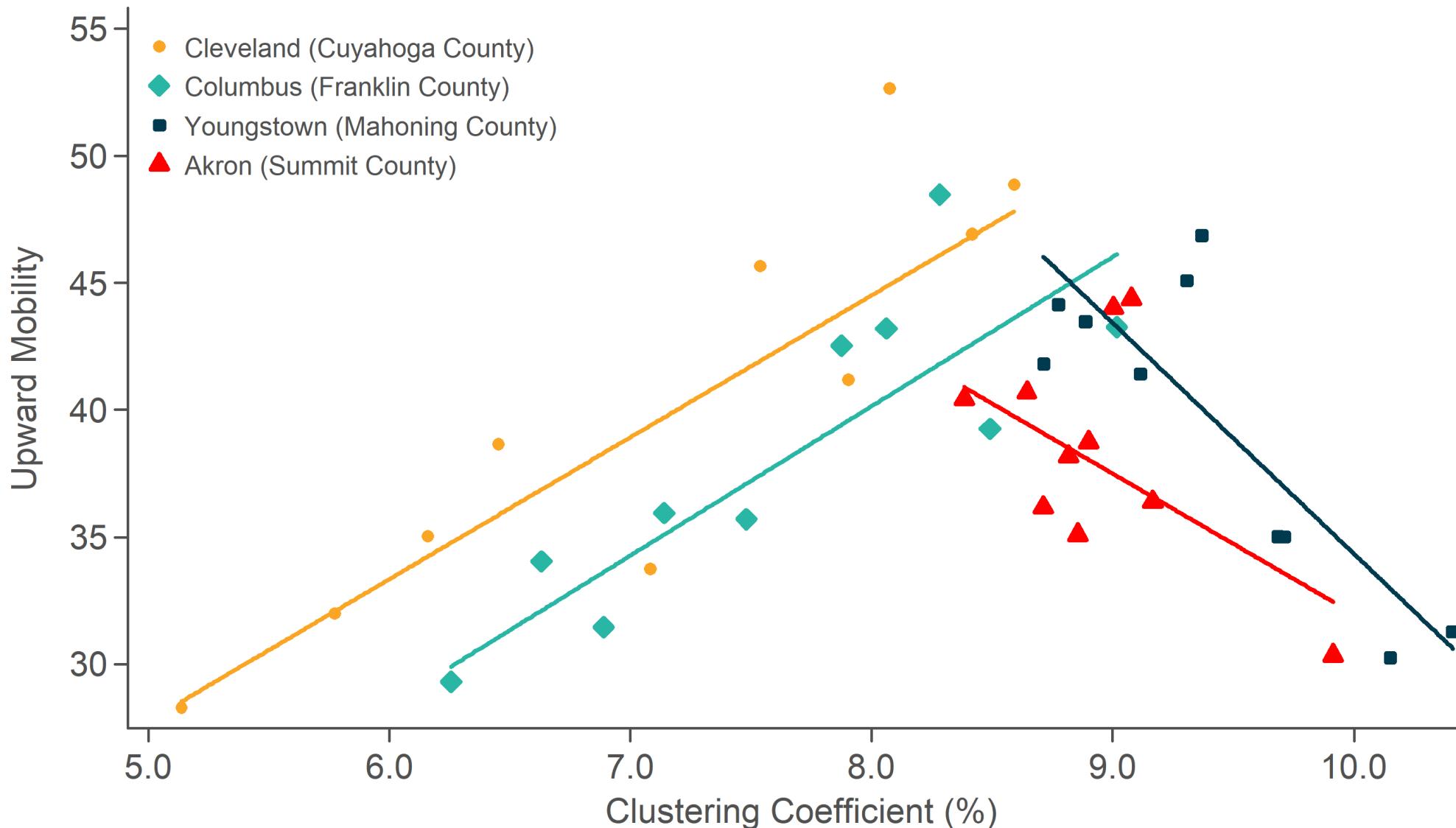
Relationship between Clustering and Upward Mobility

Across ZIP Codes for Four Counties in Ohio



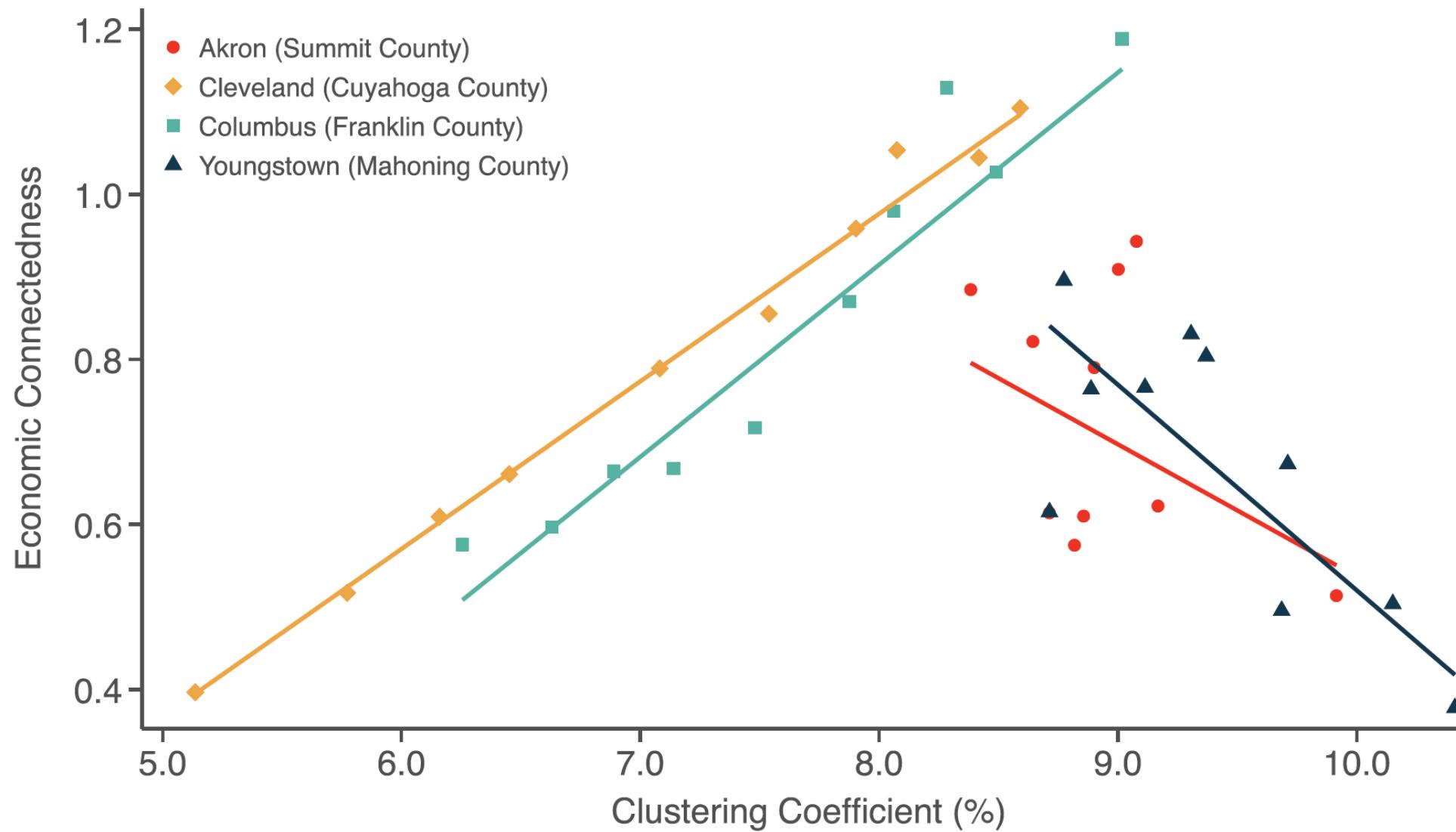
Relationship between Clustering and Upward Mobility

Across ZIP Codes for Four Counties in Ohio



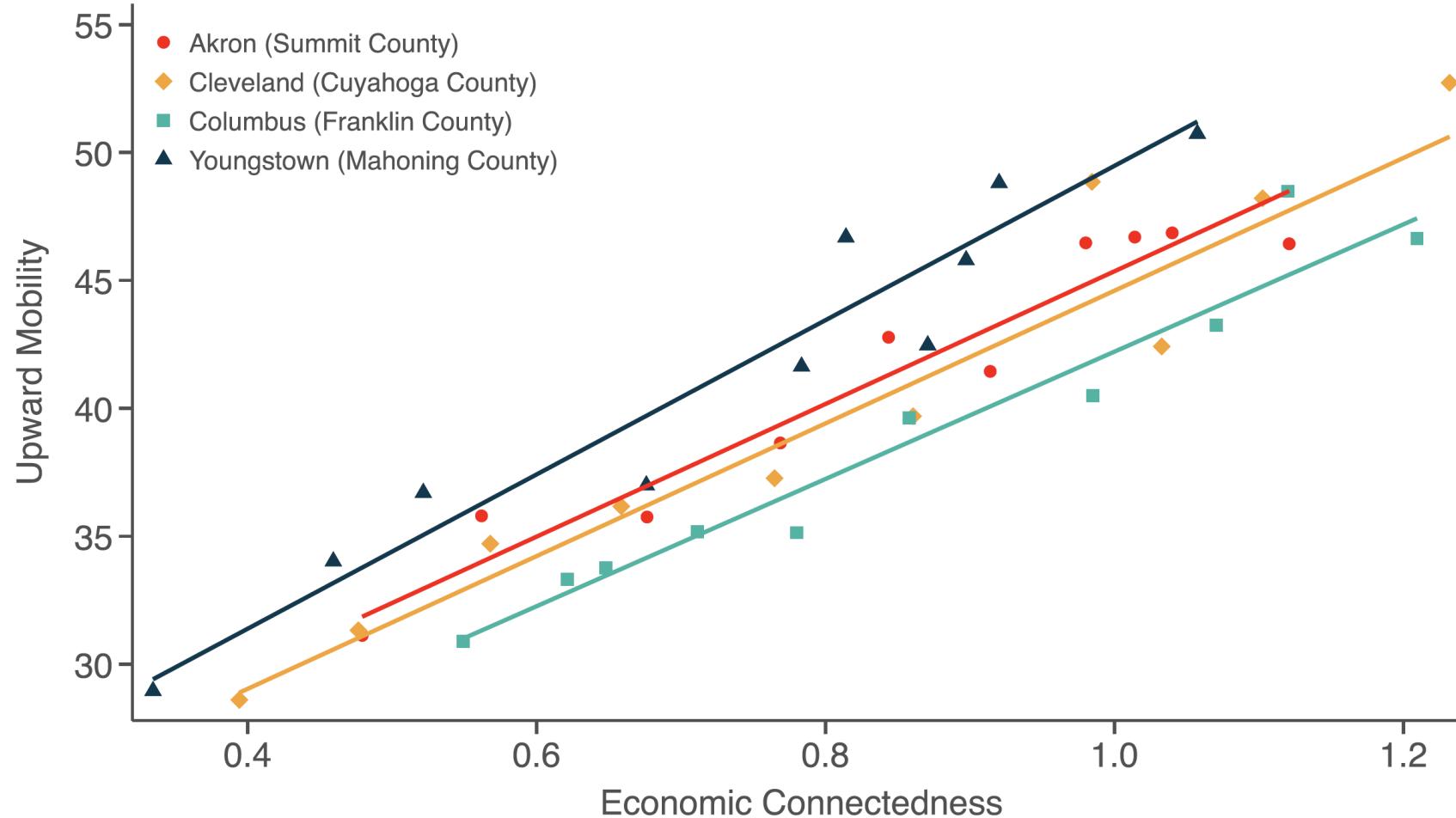
Relationship between Clustering and Economic Connectedness

Across ZIP Codes for Four Counties in Ohio

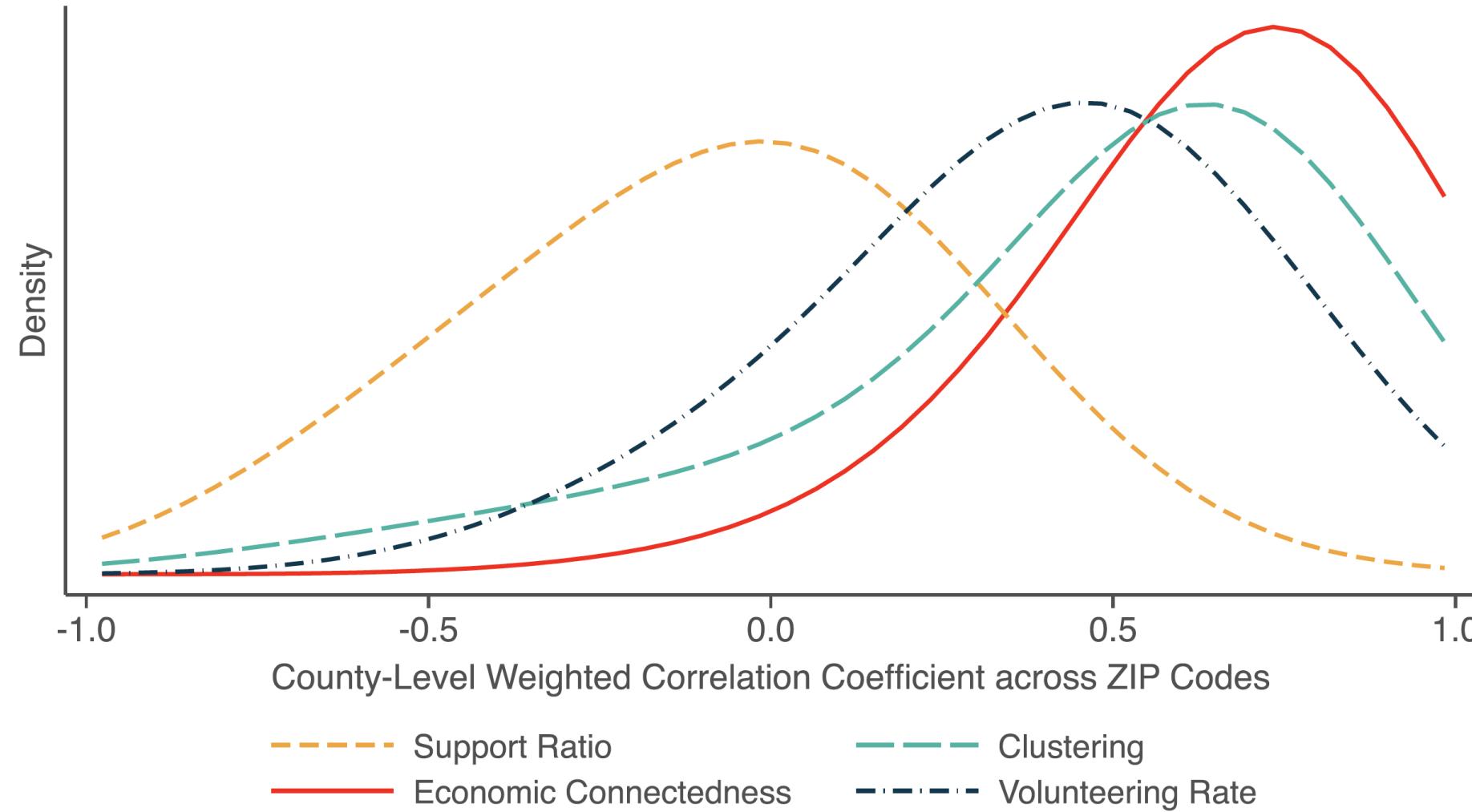


Relationship between Upward Mobility and Economic Connectedness

Across ZIP Codes for Four Counties in Ohio



Distributions of ZIP Code-Level Correlations between Upward Mobility and Social Capital Measures across Counties

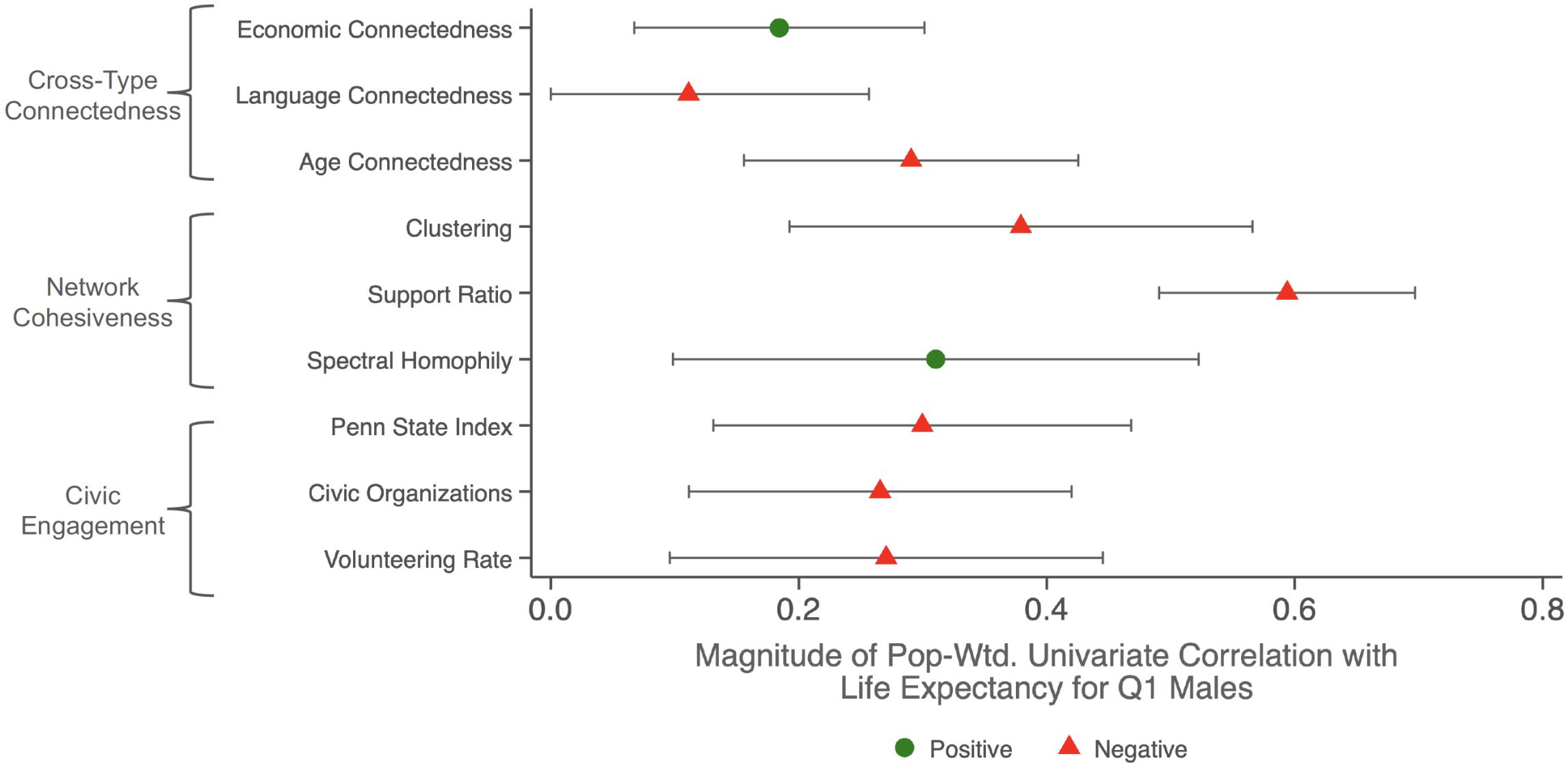


Different Types of Social Capital Matter for Different Outcomes

- Economic connectedness may predict upward mobility because it provides “bridging” social capital useful for “getting ahead” [Putnam 2000]
- But important to recognize that it is not necessarily the “best” measure of social capital in general
 - Illustrate by looking at correlations with other outcomes, such as life expectancy by income

Correlations between Social Capital and Life Expectancy at Age 40 for Bottom-Income-Quartile Men

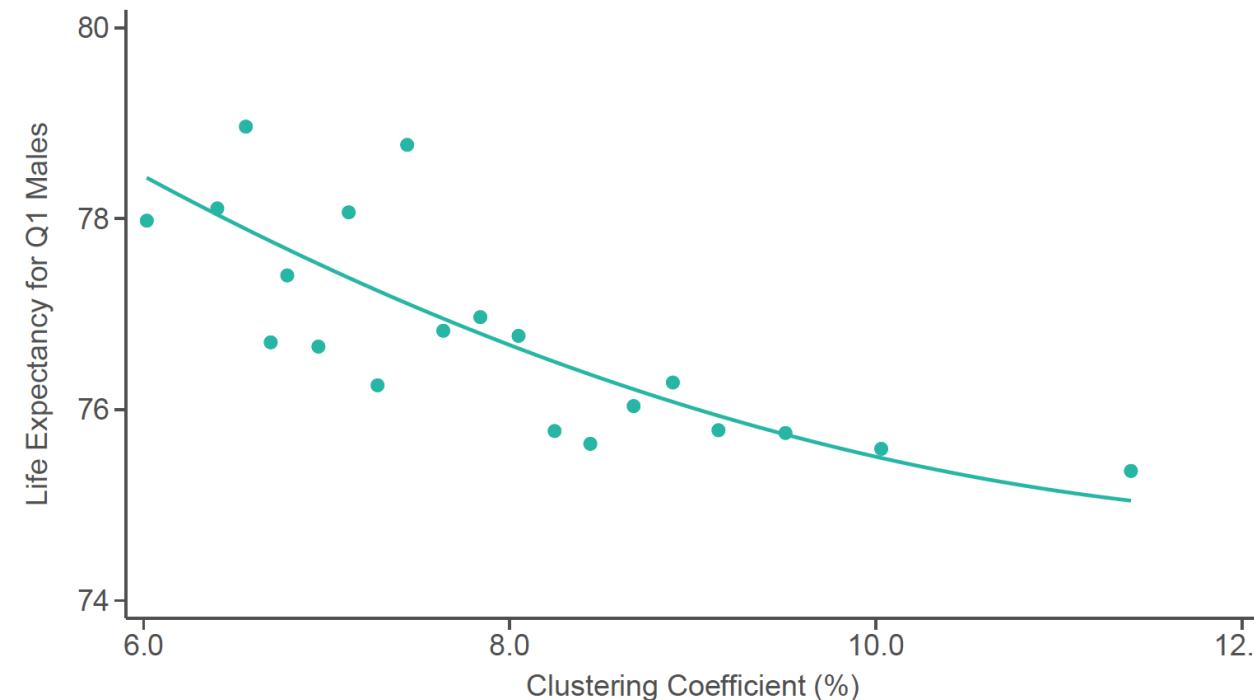
Univariate County-level Correlations



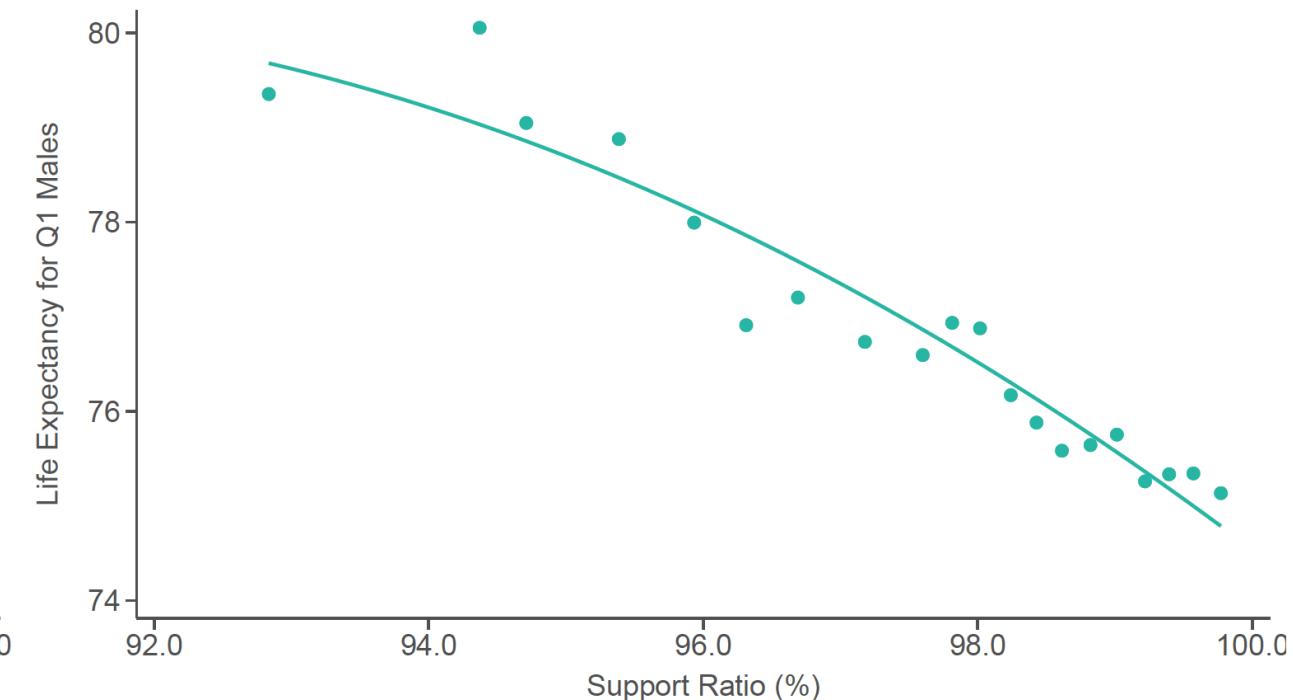
Correlations between Social Capital and Life Expectancy at Age 40 for Bottom-Income-Quartile Men

Cohesiveness vs. Life Expectancy

Life Expectancy for Bottom-Income-Quartile Men vs.
Clustering Coefficient, by County



Life Expectancy for Bottom-Income-Quartile Men vs.
Support Ratio, by County



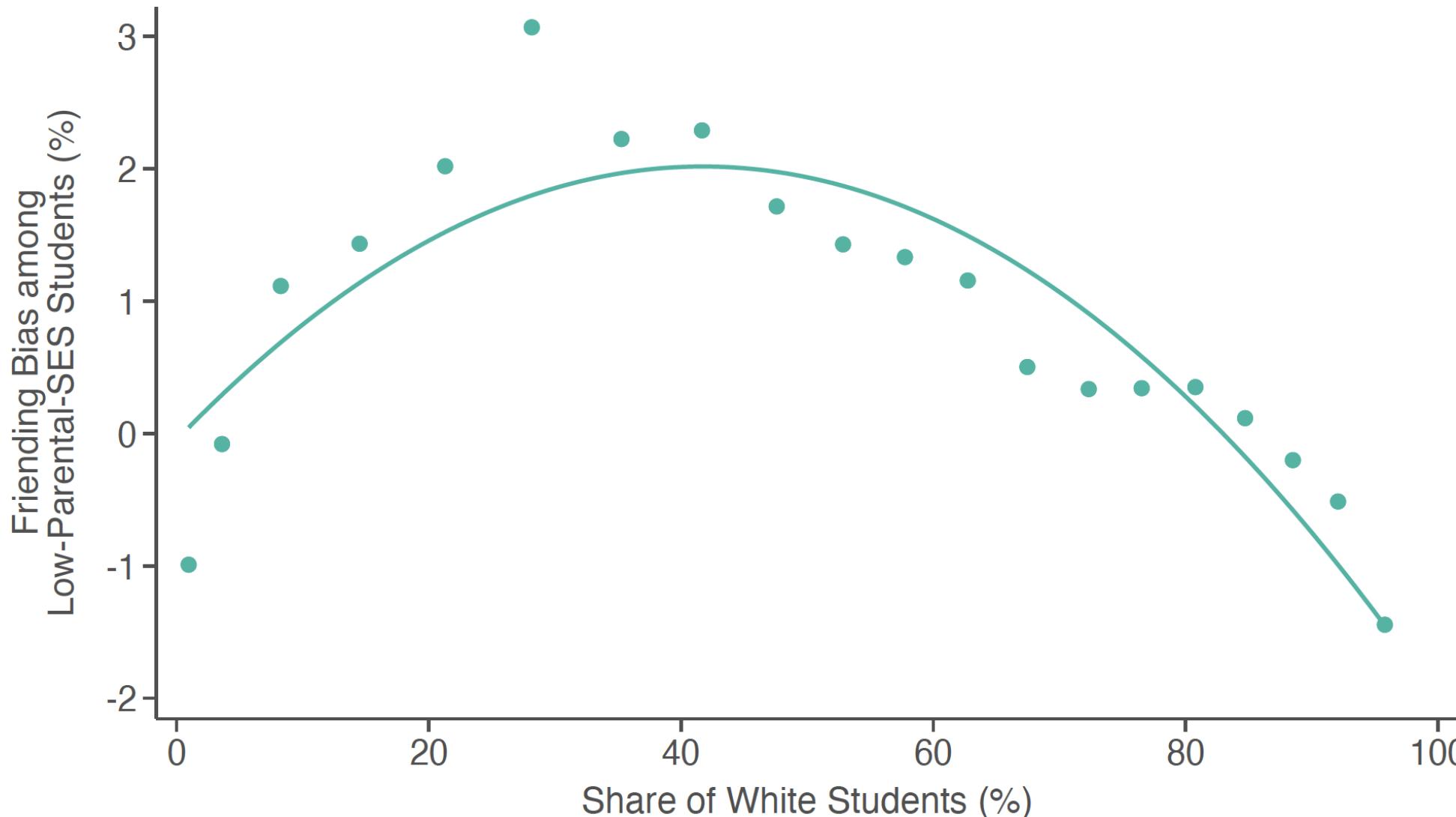
Friending Bias in High Schools vs. Gifted & Talented Enrollment

Bias Measured using Parental SES



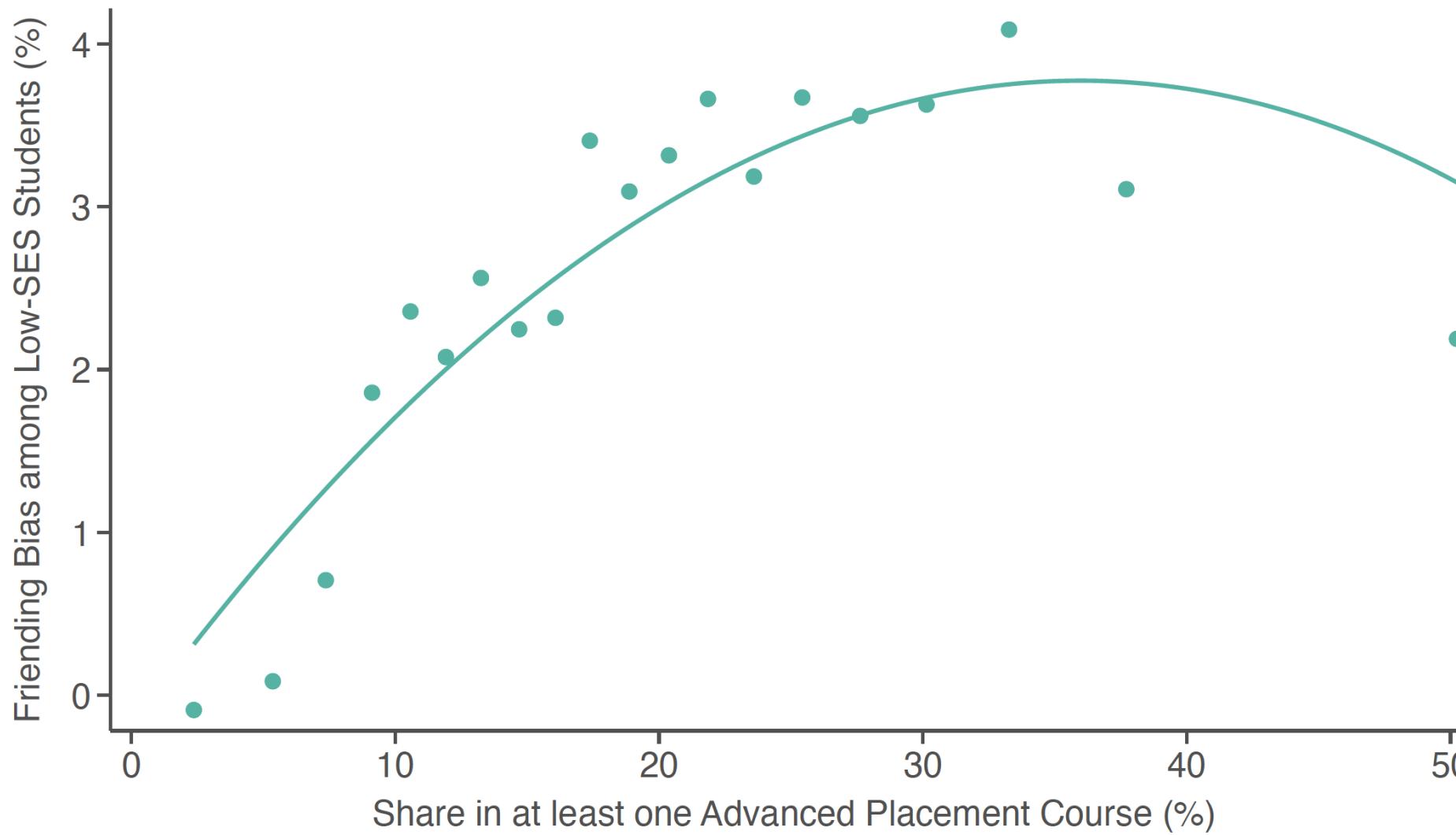
Friending Bias in High Schools vs. Share of White Students

Bias Measured using Parental SES



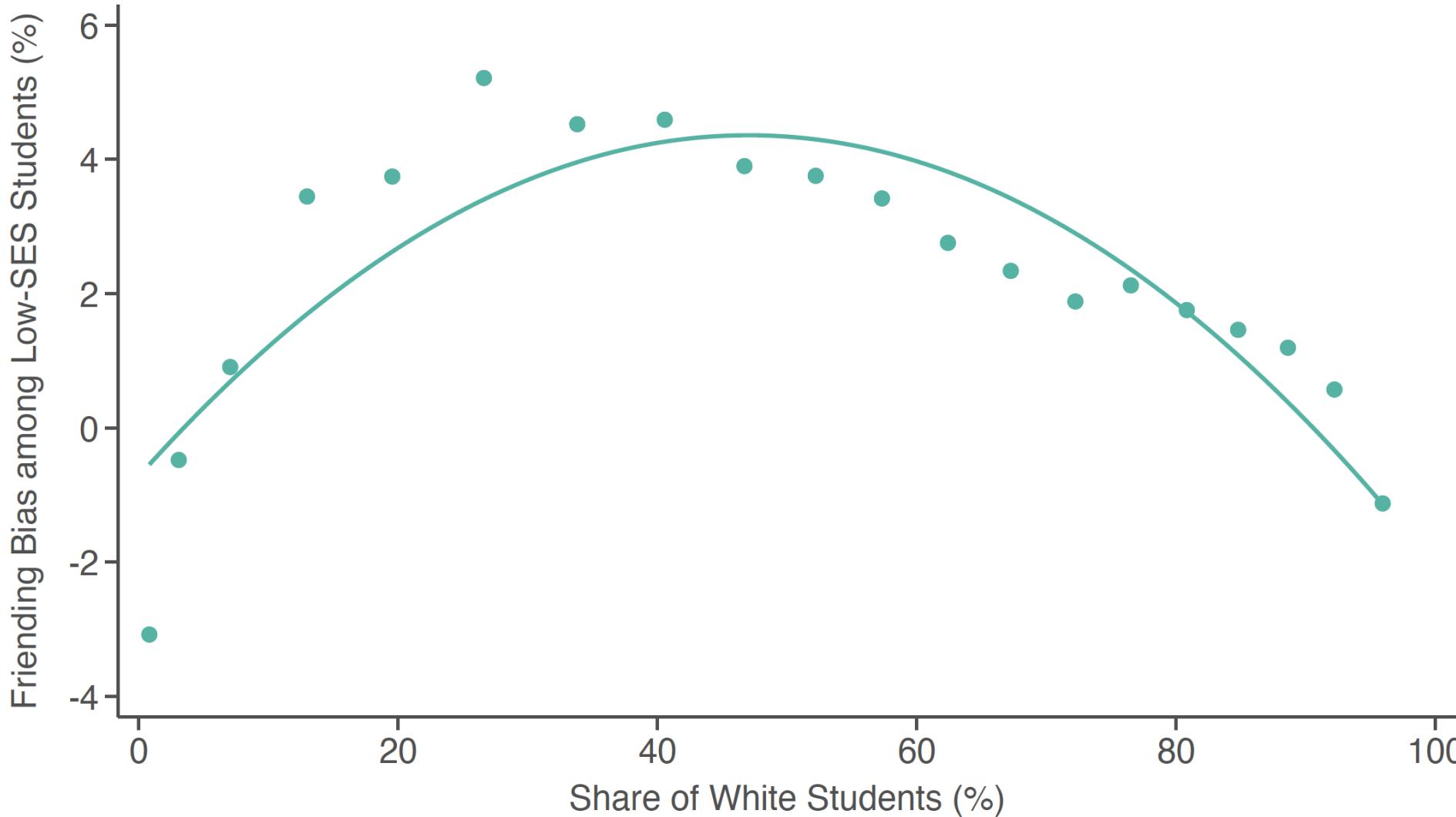
Friending Bias in High Schools vs. AP Enrollment

Bias Measured using Own SES



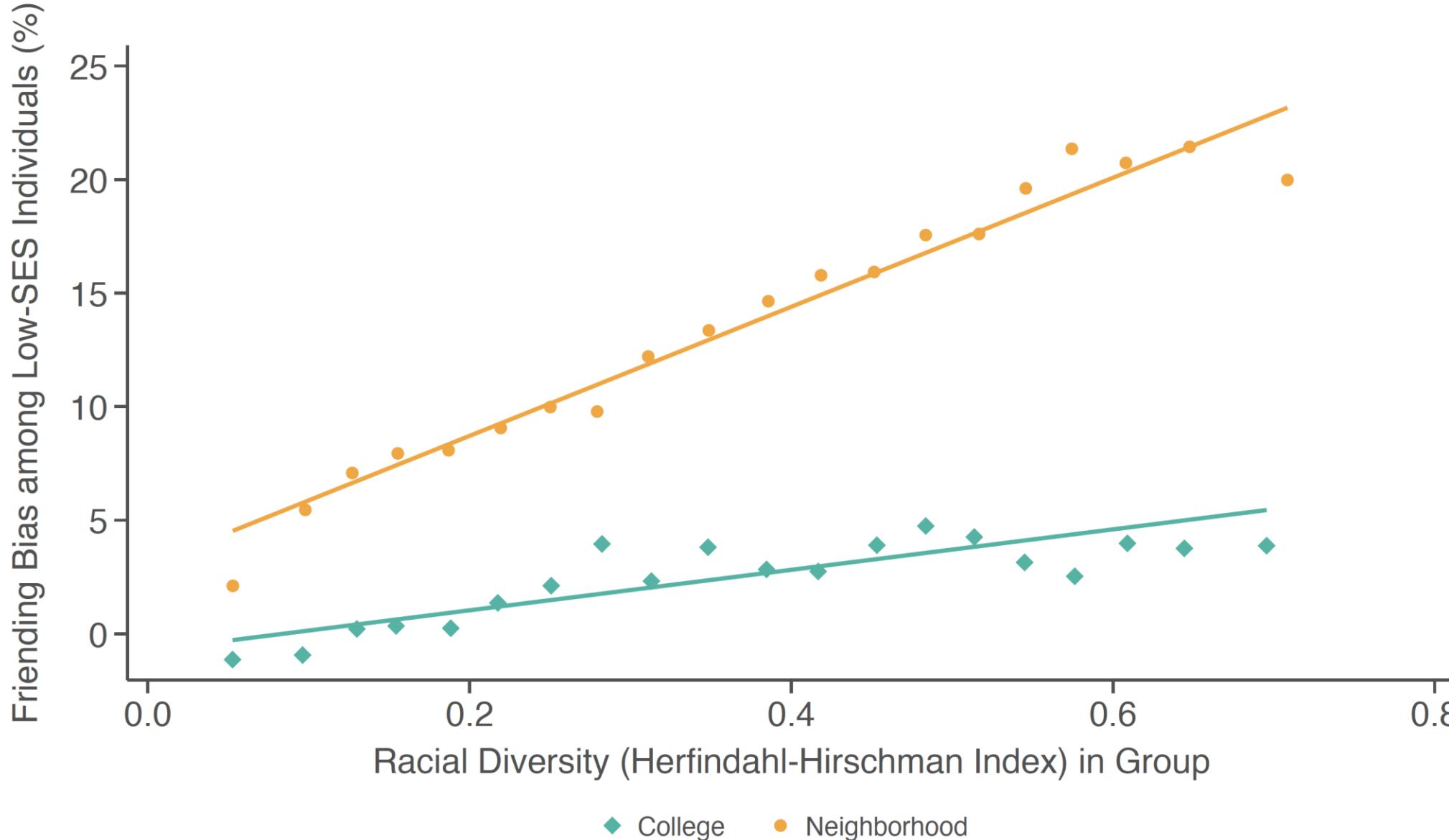
Friending Bias in High Schools vs. Share of White Students

Bias Measured using Own SES

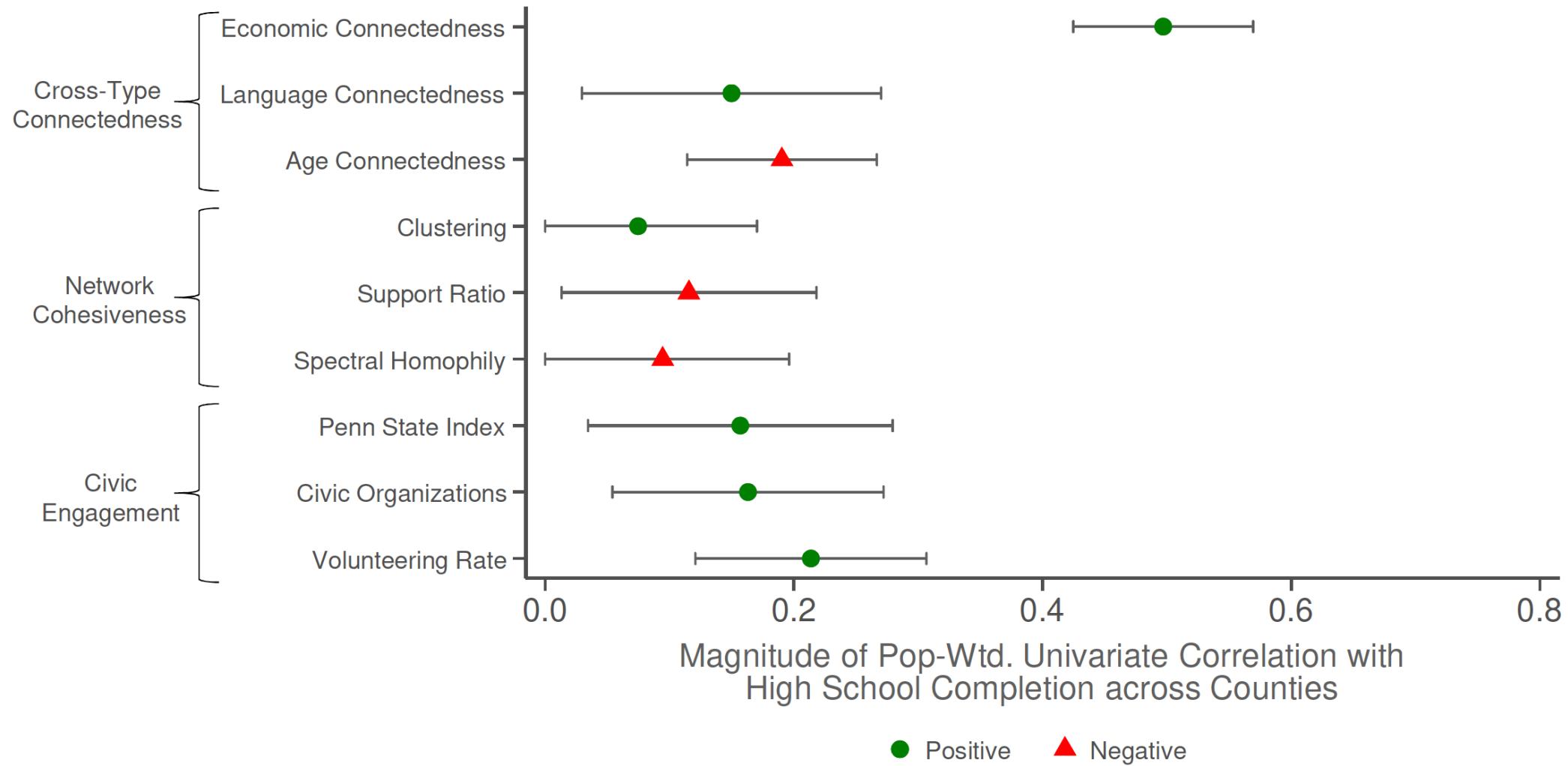


Racial Diversity vs. Friending Bias

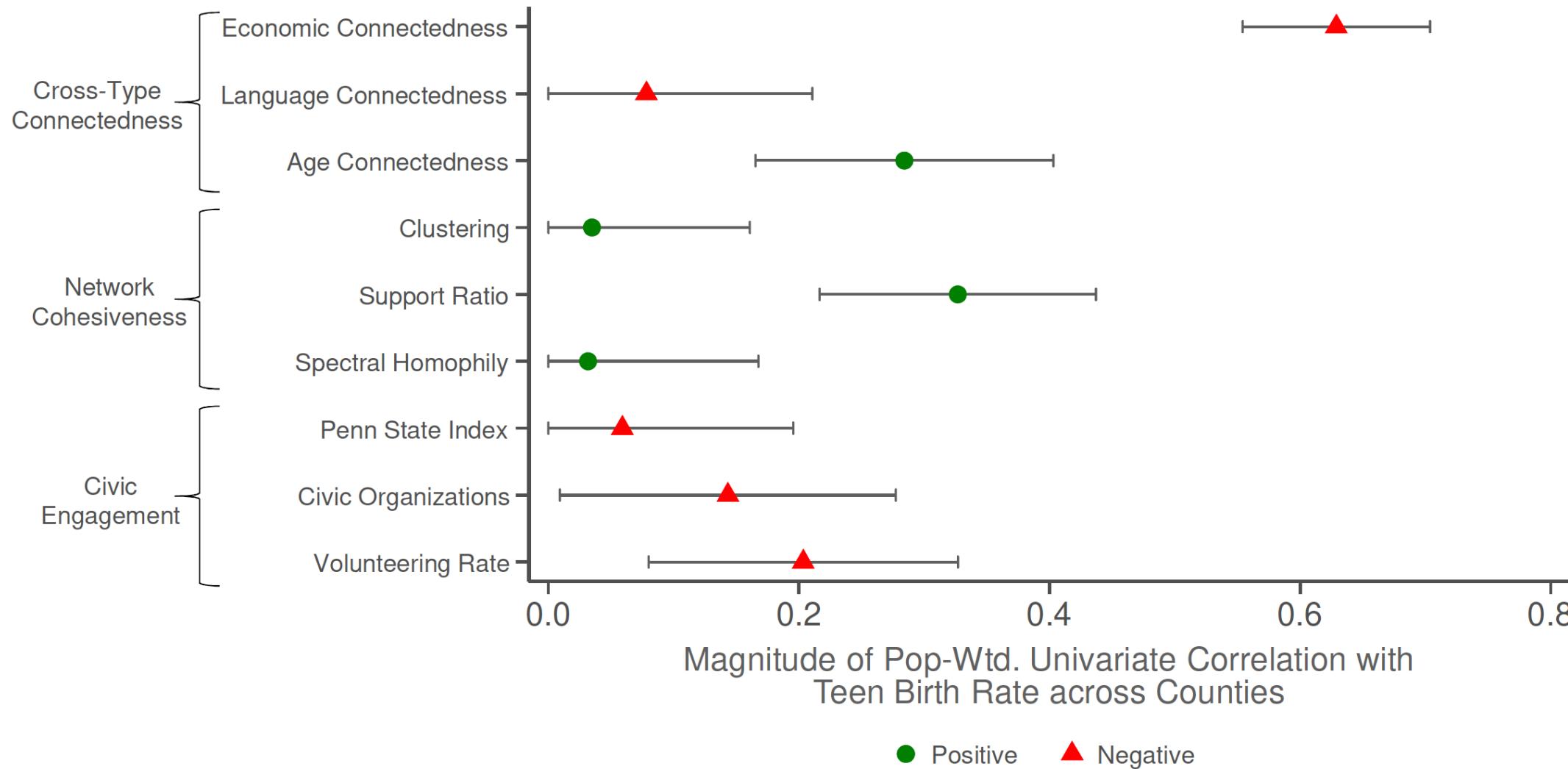
In Colleges and Neighborhoods



Correlations with High School Completion Rate for Children with Parents at 25th Percentile

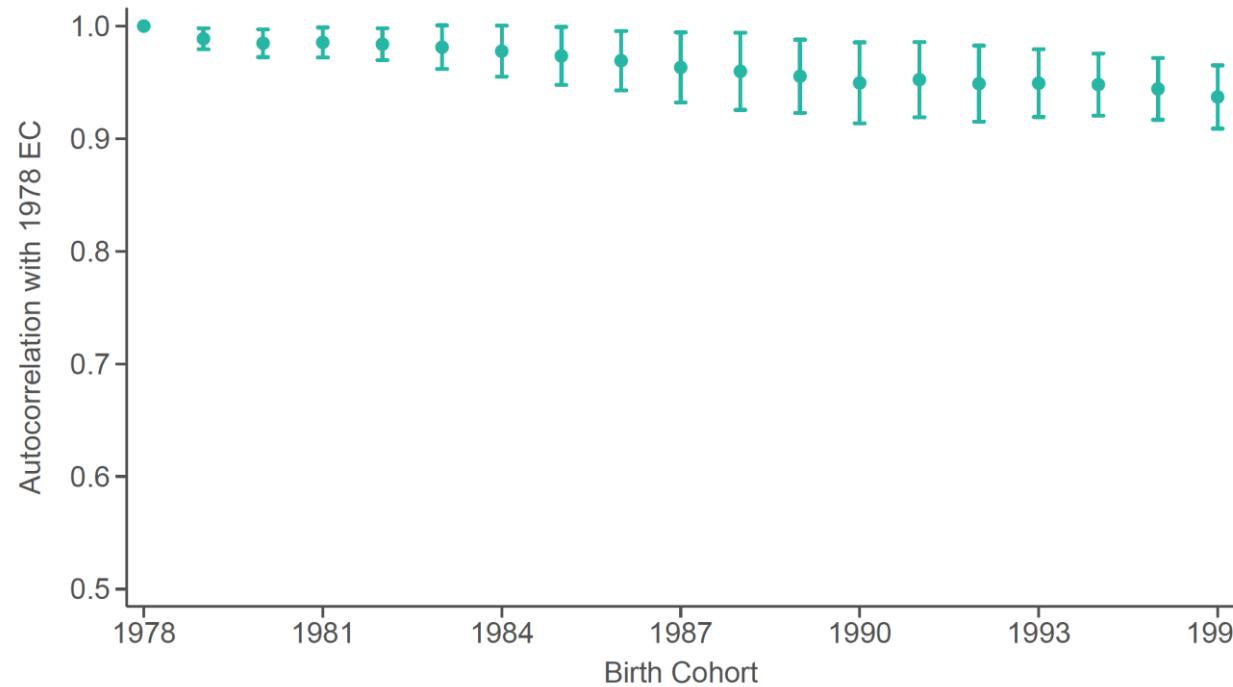


Correlations with Teen Birth Rate for Women with Parents at 25th Percentile

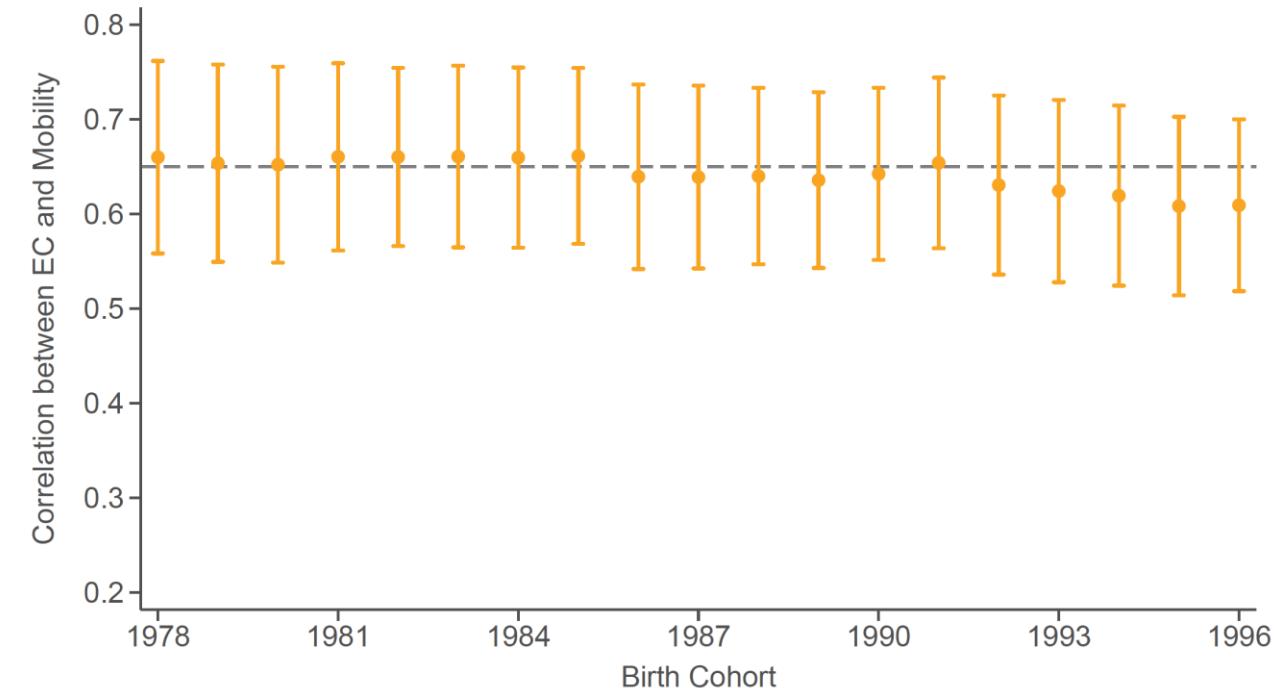


Stability of County-Level Economic Connectedness Across Cohorts

A. Autocorrelation of Economic Connectedness Across Counties by Cohort

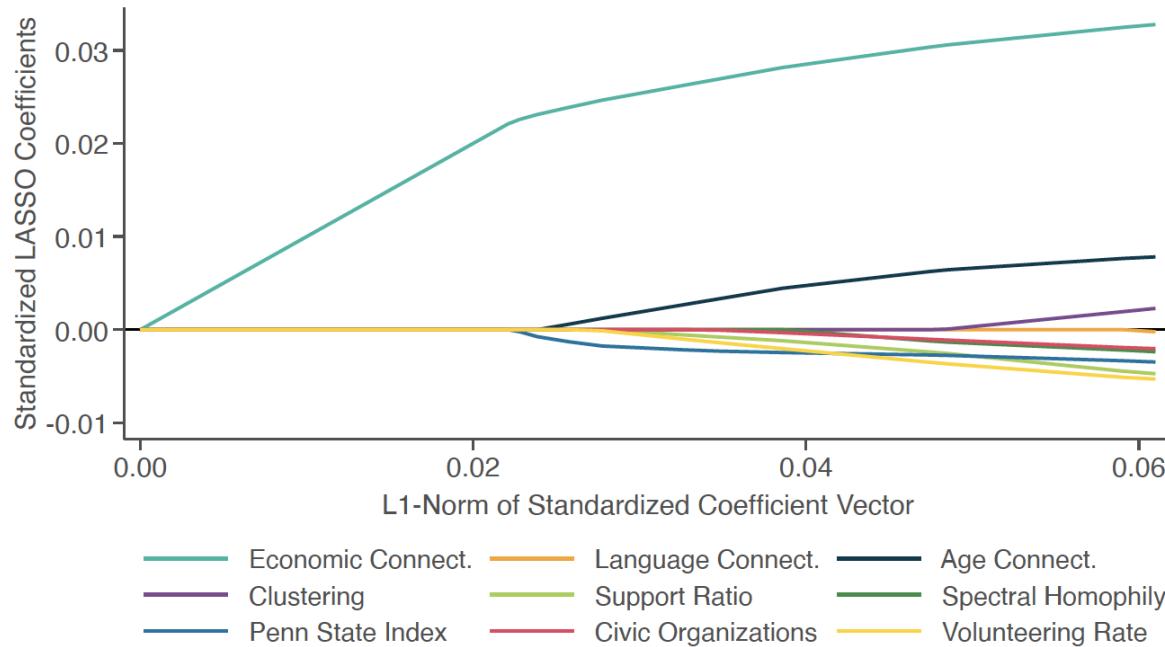


B. Correlation between Upward Mobility for 1978-83 Cohorts and Cohort-Specific EC

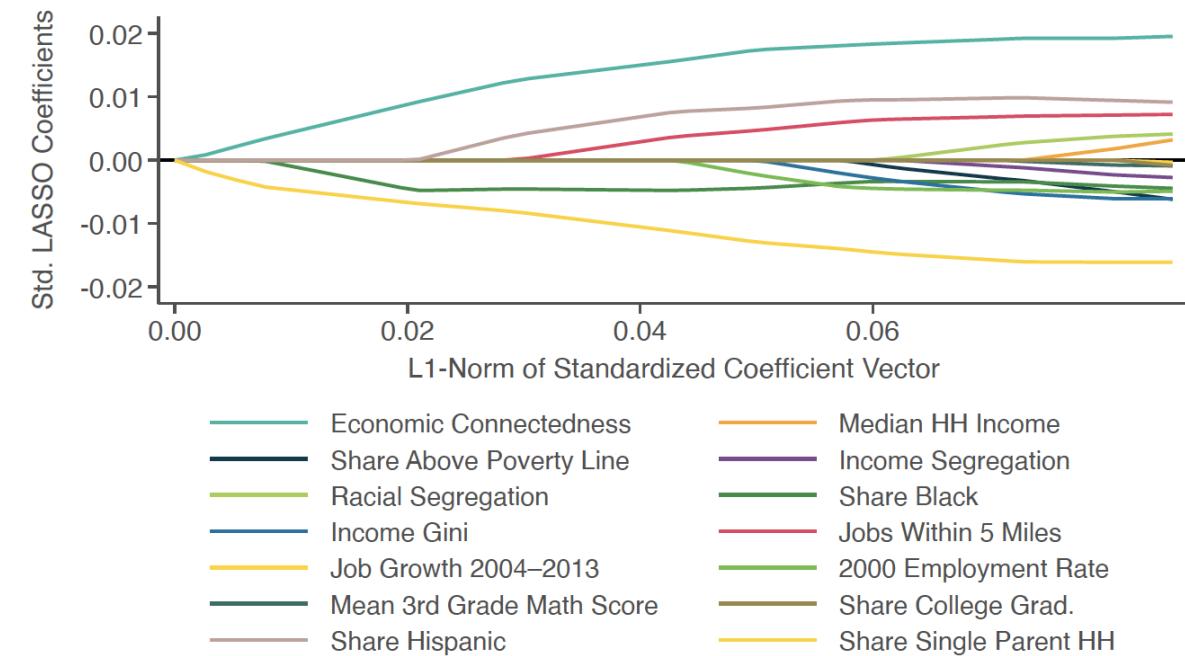


LASSO Estimates

A. LASSO for Social Capital Measures

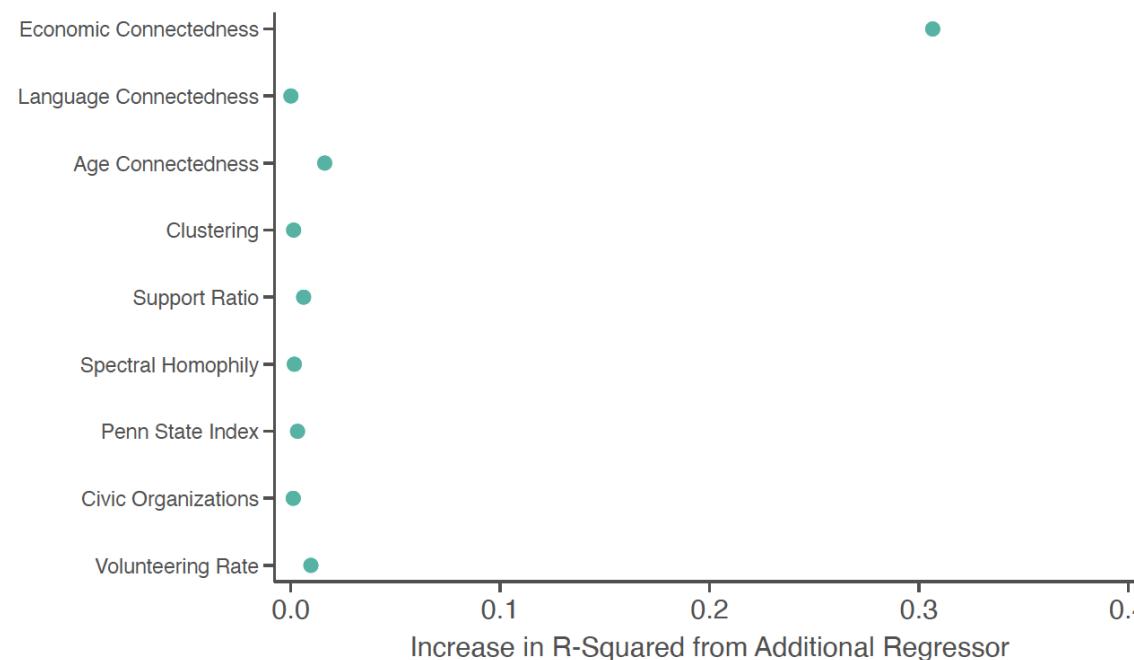


B. LASSO Including Other Neighborhood Characteristics

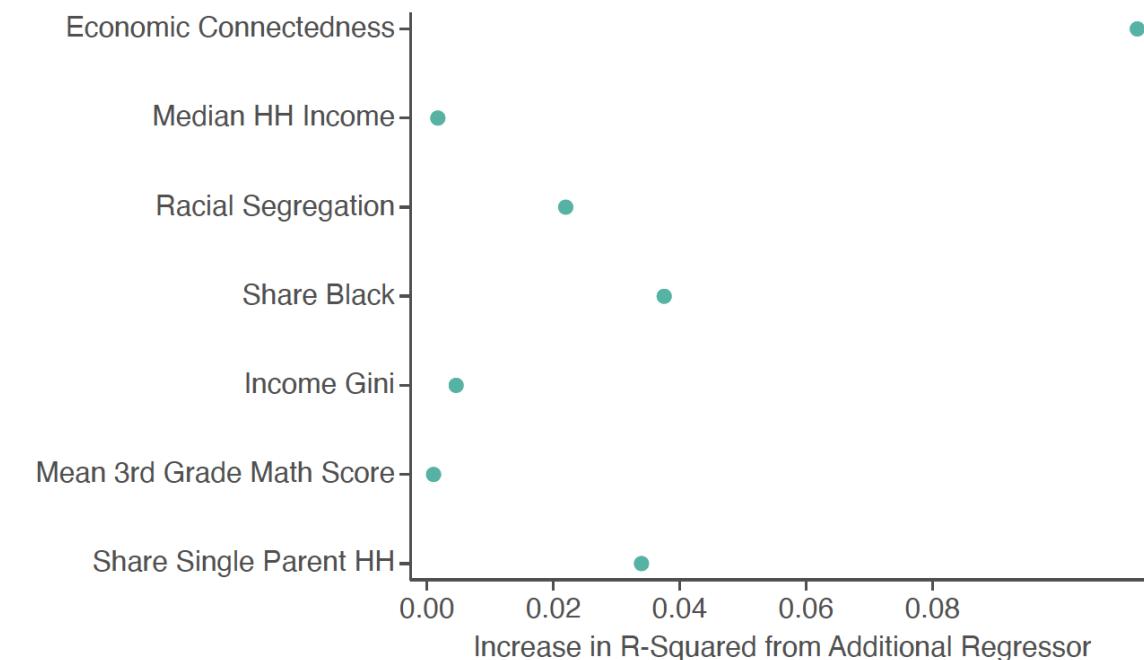


Incremental R-Squared of Predictors

C. Additional R-Squared for Social Capital Measures

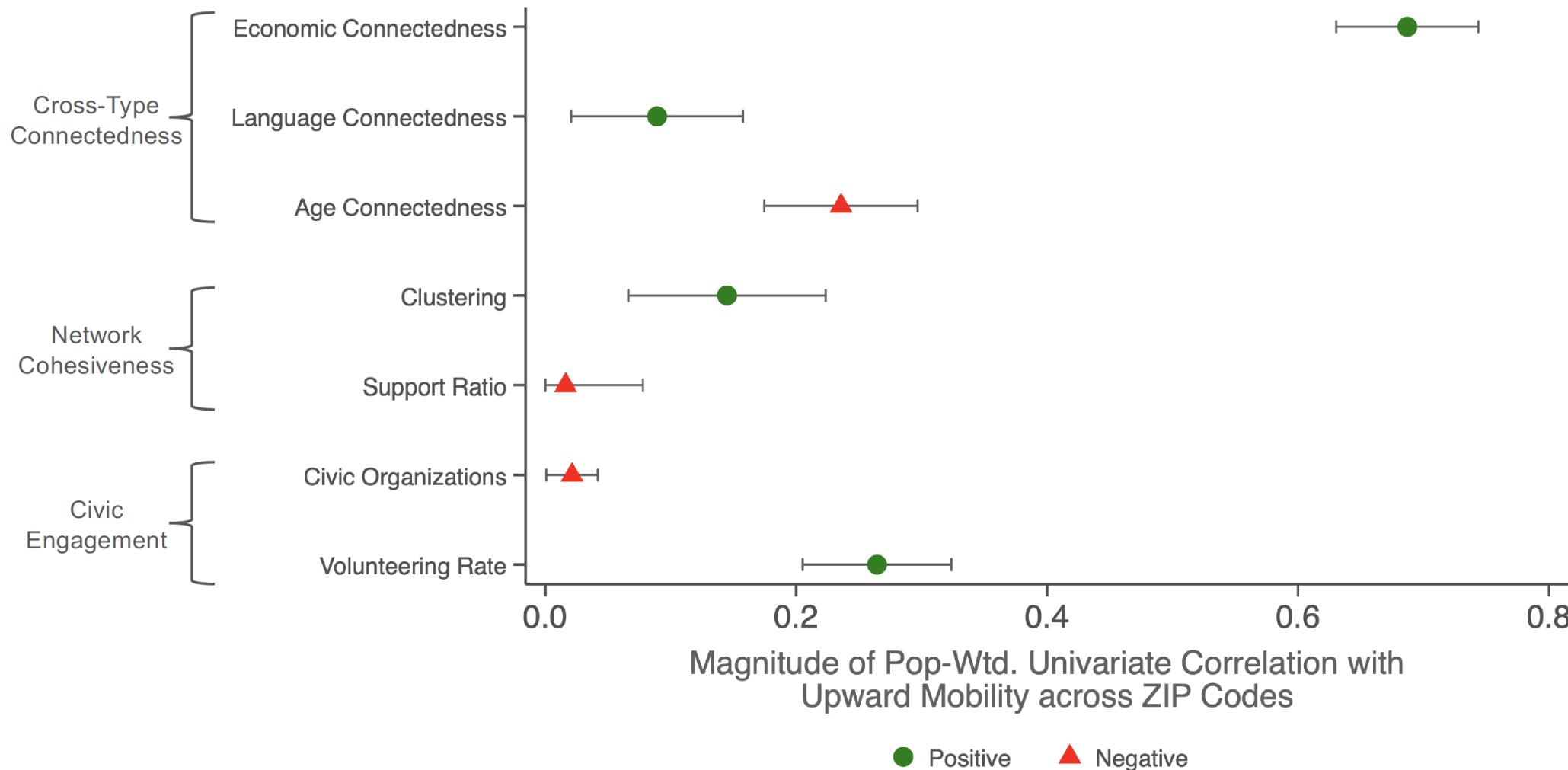


D. Additional R-Squared Incl. Other Nbhd. Characteristics



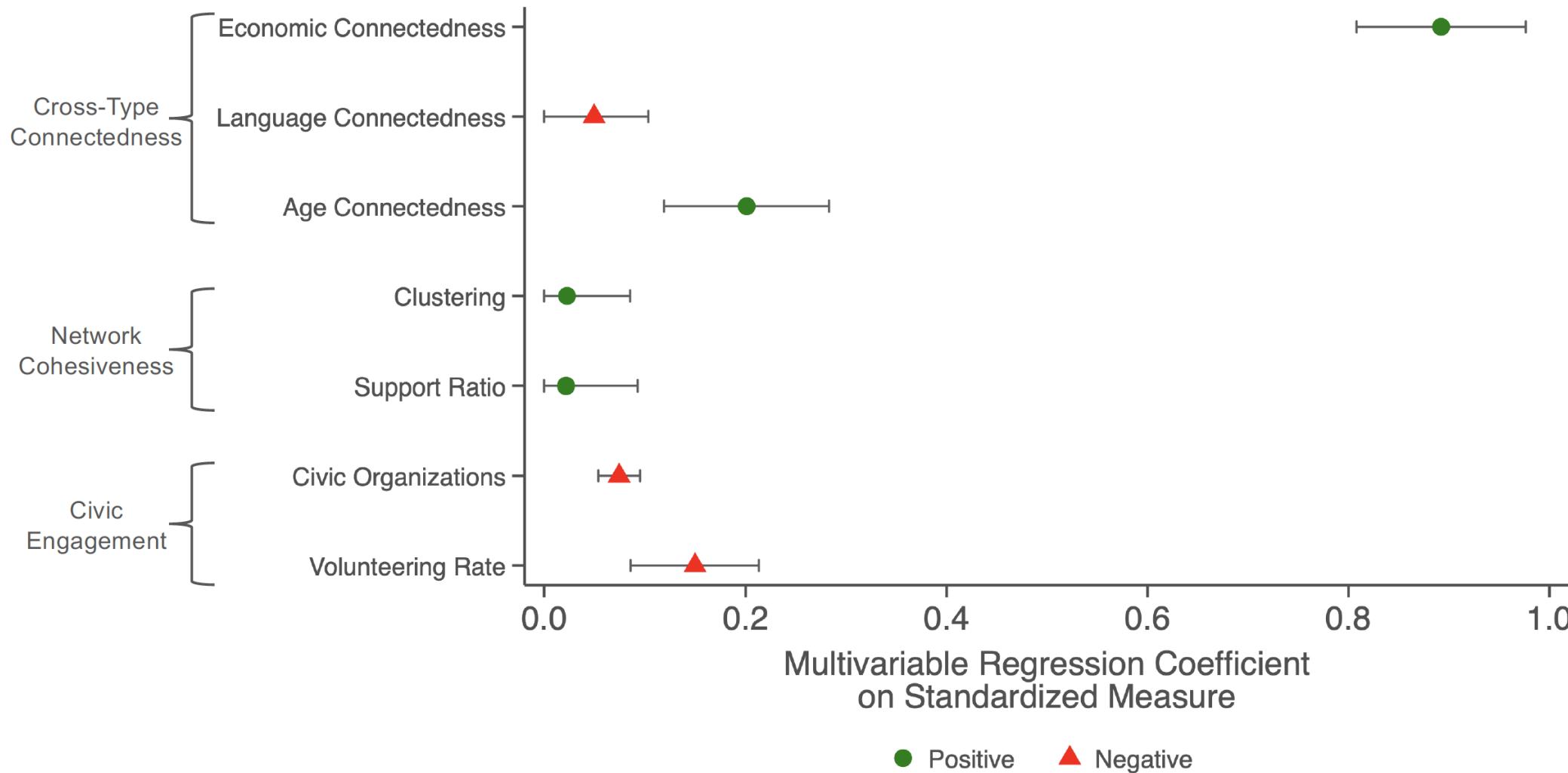
Correlations between Upward Mobility and Measures of Social Capital

ZIP-level Univariate Correlations



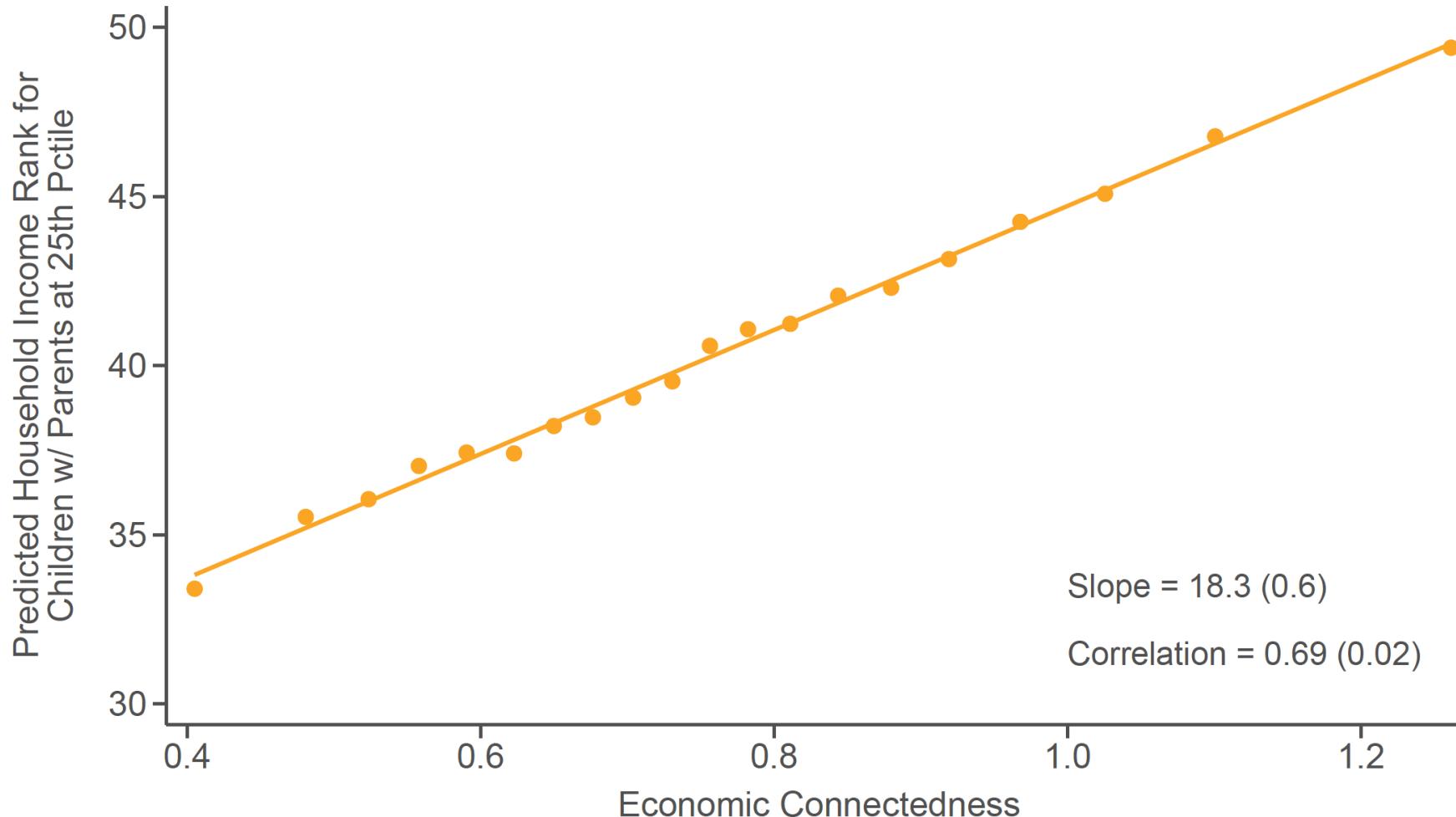
Correlations between Upward Mobility and Measures of Social Capital

Coefficients from ZIP-level Multivariable Regression



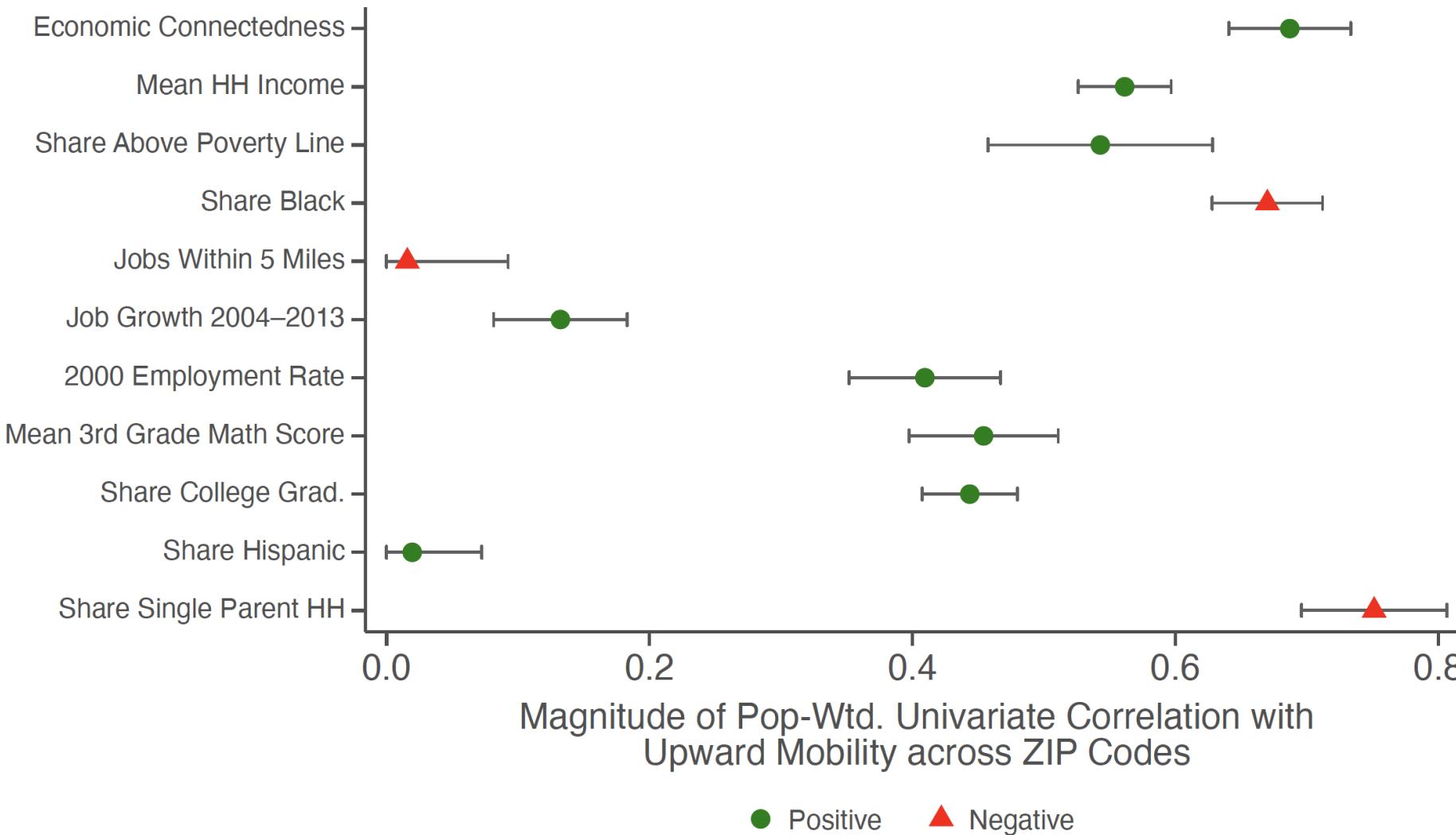
Relationship between Upward Mobility and EC

ZIP-level Regression



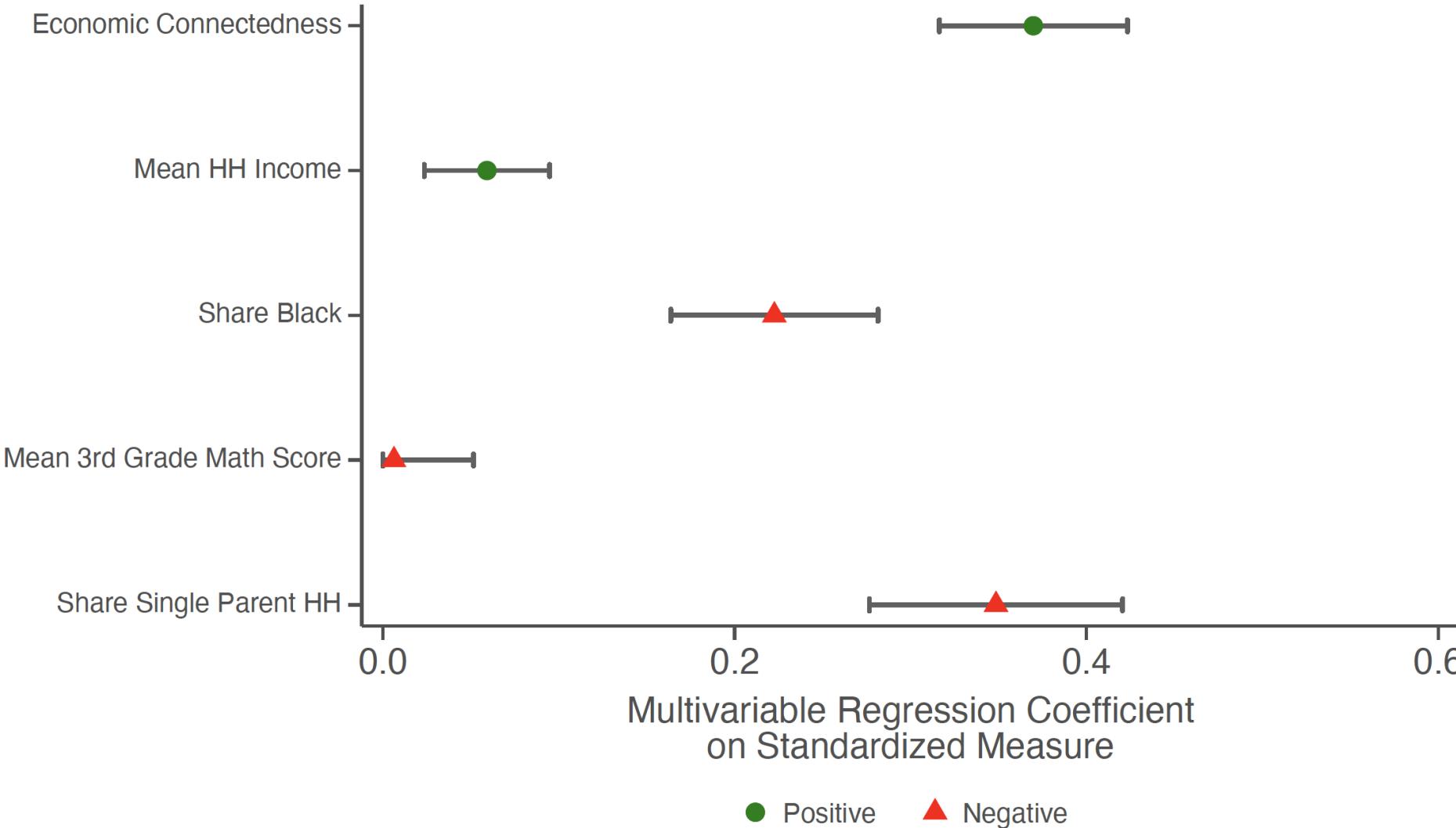
Relationship between Upward Mobility and EC

ZIP-level Univariate Correlations



Relationship between Upward Mobility and EC

Coefficients from ZIP-level Multivariate Regression



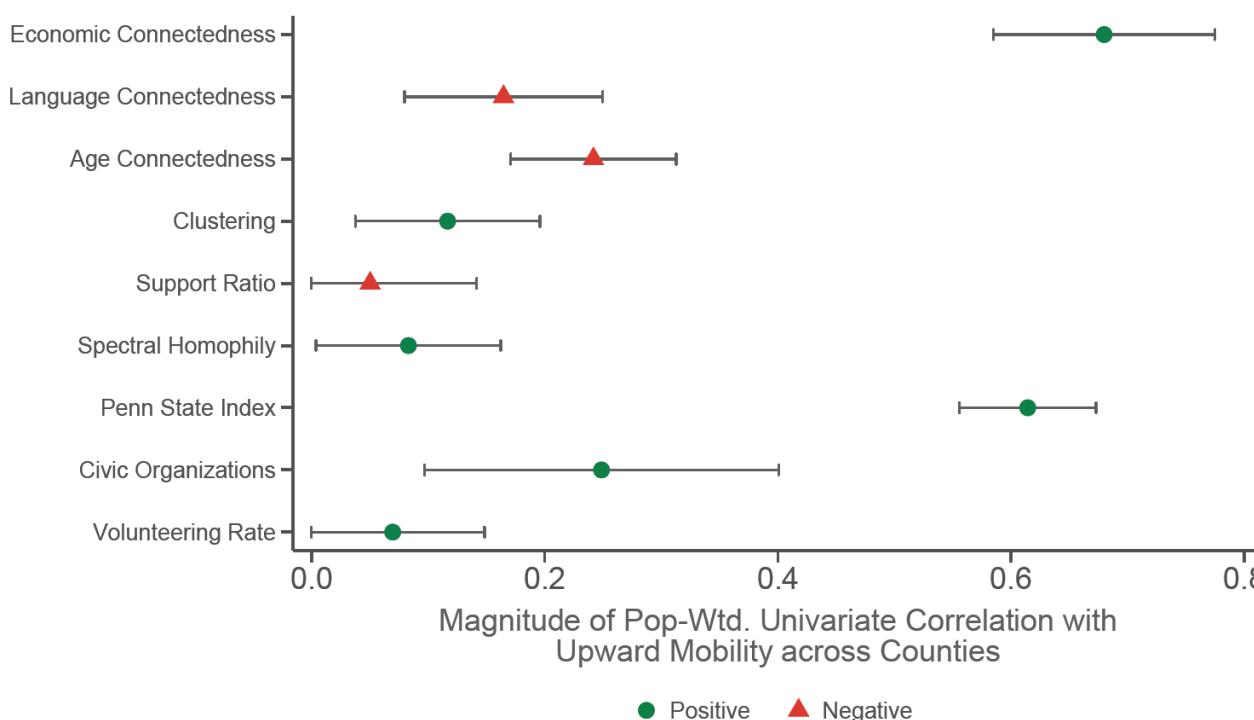
Associations between Race-Specific Upward Income Mobility and Economic Connectedness Racially Homogeneous Areas

Upward Mobility for:	White Individuals				Black Individuals		Hispanic Individuals	
	Counties		ZIP Codes		ZIP Codes		ZIP Codes	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Economic Connectedness	0.68*** (0.04)	0.69*** (0.05)	0.69*** (0.02)	0.69*** (0.02)	0.61*** (0.13)	0.65*** (0.16)	0.36* (0.15)	0.31 (0.21)
Sample	>80% White	>90% White	>80% White	>90% White	>80% Black	>90% Black	>80% Hispanic	>90% Hispanic
Observations	1,955	1,427	16,087	12,058	247	105	174	63
Focal Race Share in Sample	90%	95%	91%	95%	90%	95%	89%	94%

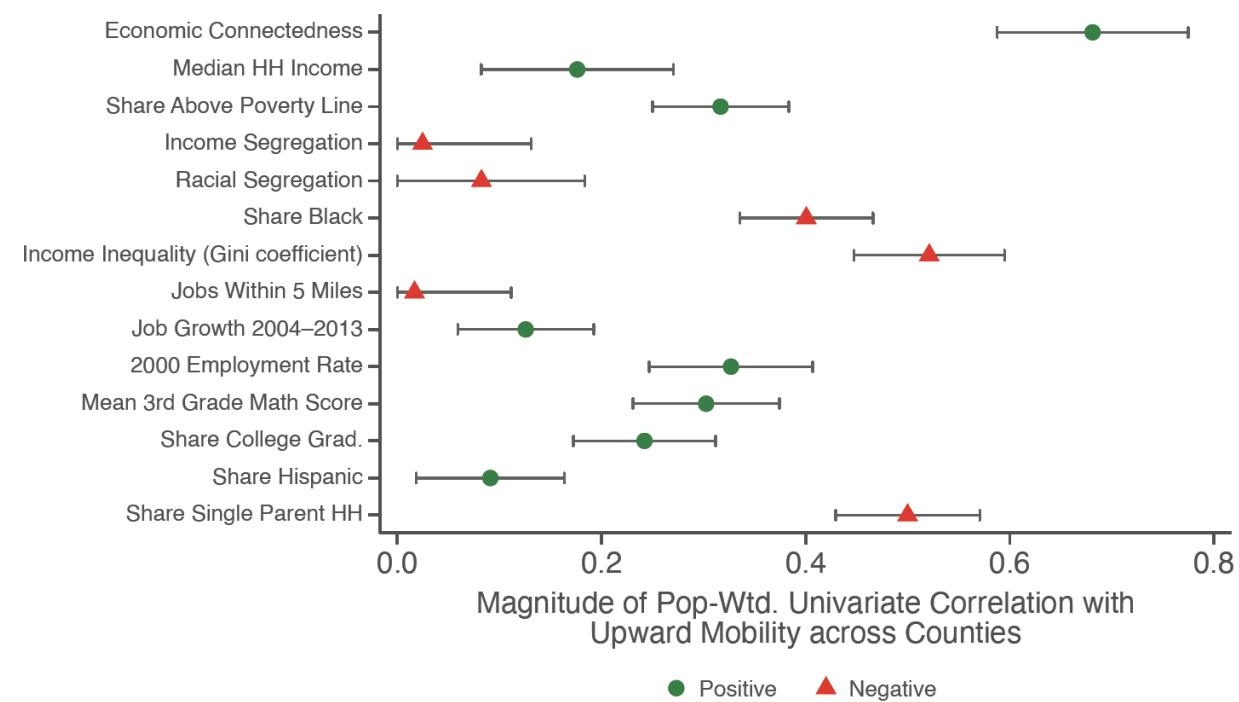
Social Capital and Upward Mobility in Counties with Predominantly White Residents

Univariate Correlations with Upward Mobility

C. Univariate Correlations between Upward Mobility and Social Capital

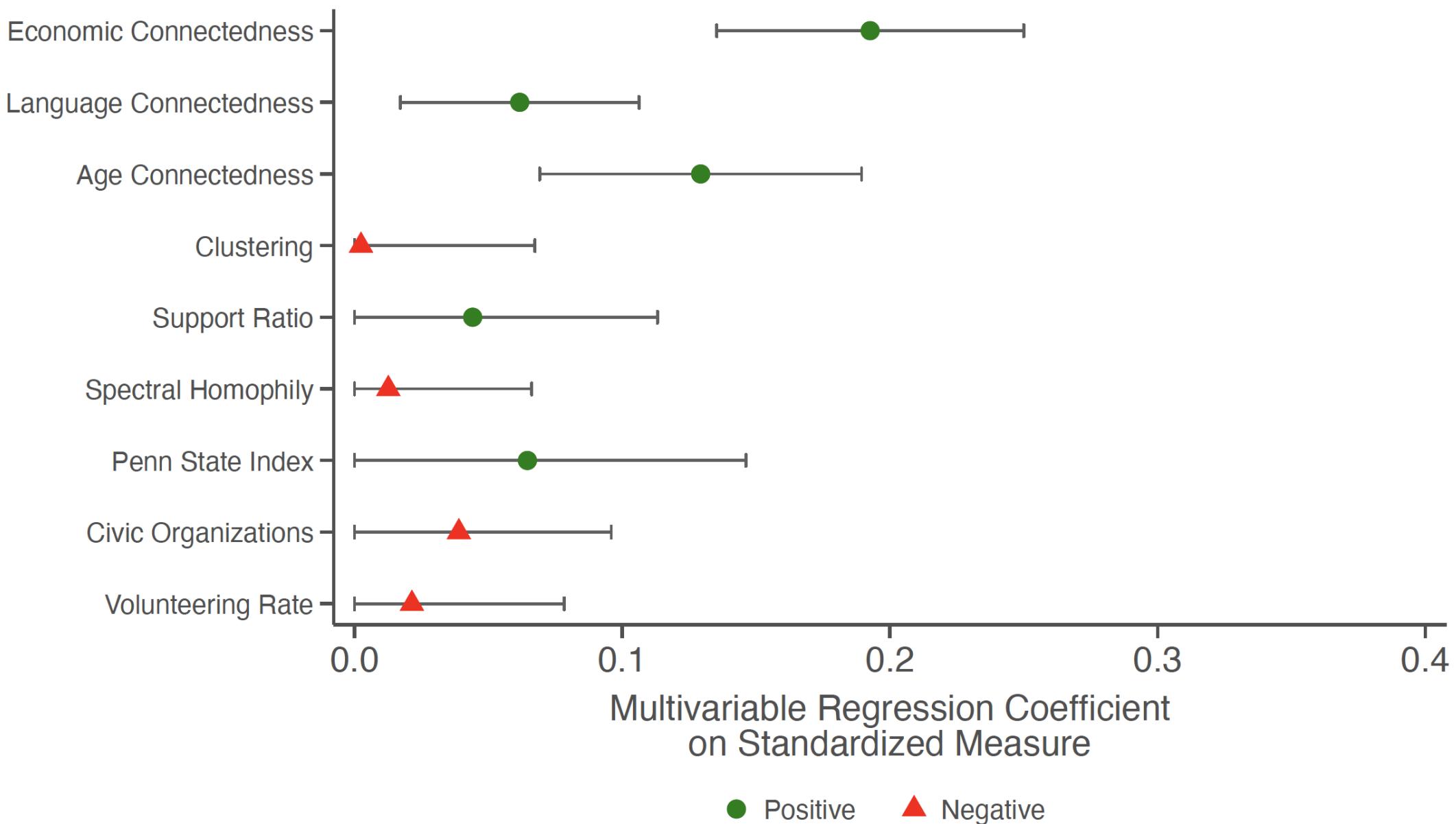


D. Univariate Correlations between Upward Mobility and Other Neighborhood Characteristics



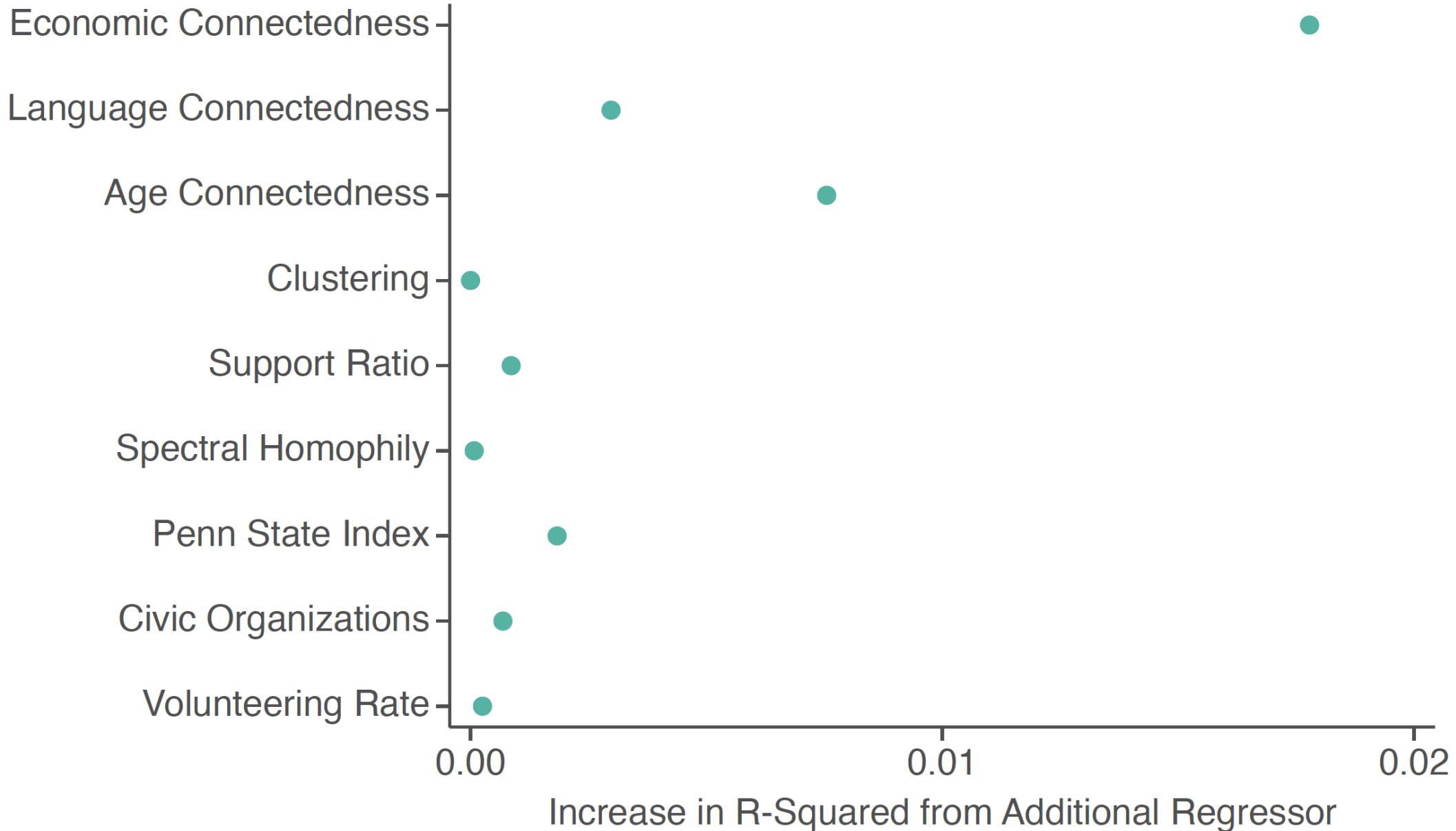
Regression of Counties' Causal Effects on Upward Mobility on Social Capital

Multivariable Regression Coefficients



Regression of Counties' Causal Effects on Upward Mobility on Social Capital

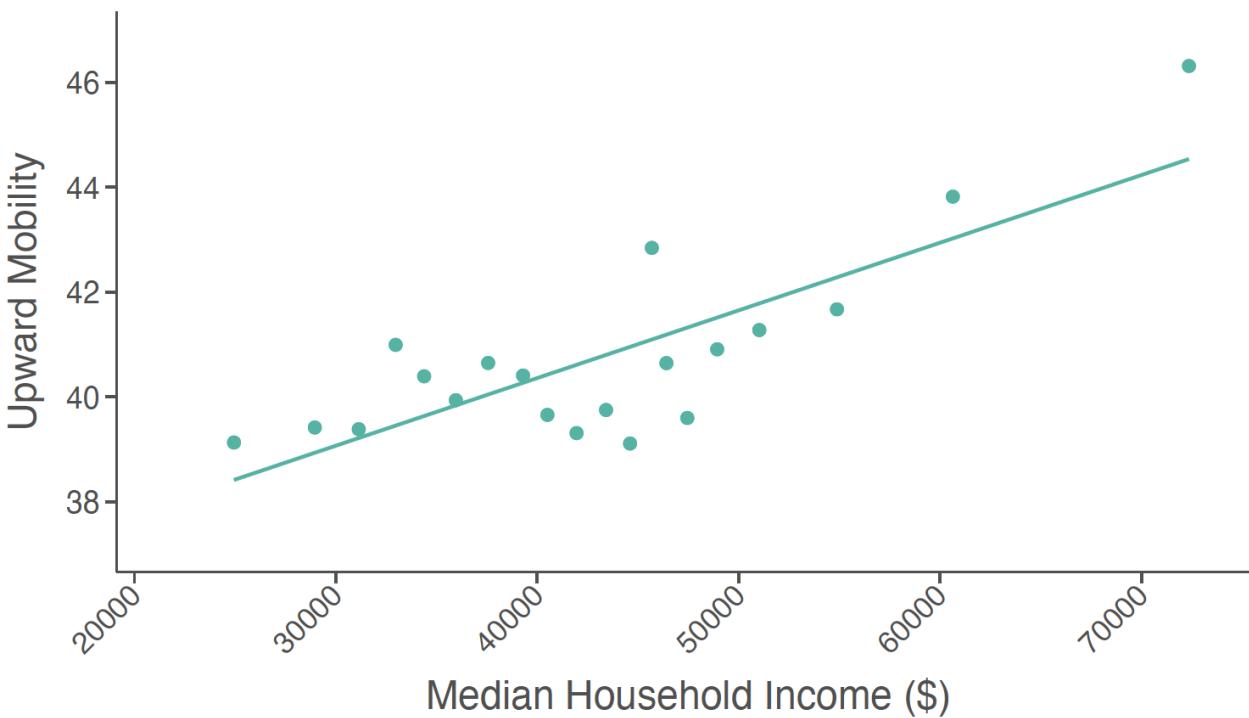
Incremental R-Squared



Upward Mobility, EC, and Income Levels across Counties

Median Household Income vs. Upward Mobility

A. Upward Mobility vs. Median Income,
by County



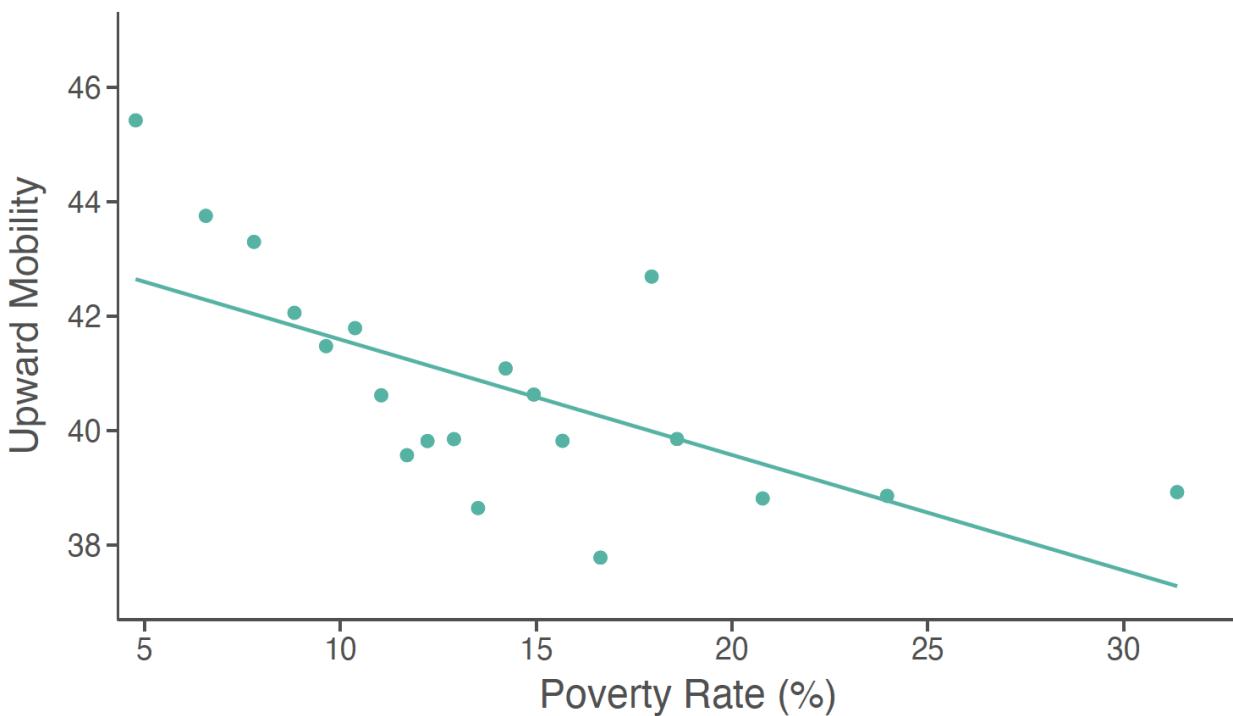
B. Upward Mobility vs. Median Income Controlling for EC,
by County



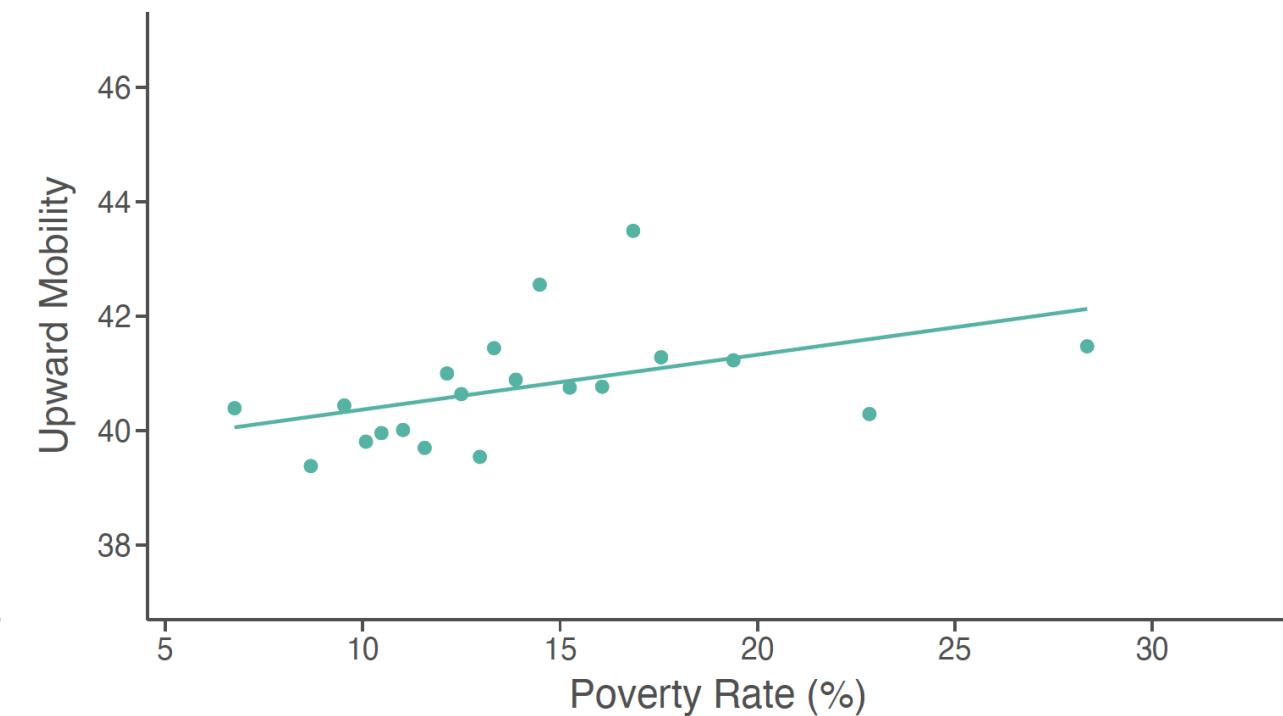
Upward Mobility, EC, and Income Levels across Counties

Poverty Rate vs. Upward Mobility

C. Upward Mobility vs. Poverty Rate,
by County



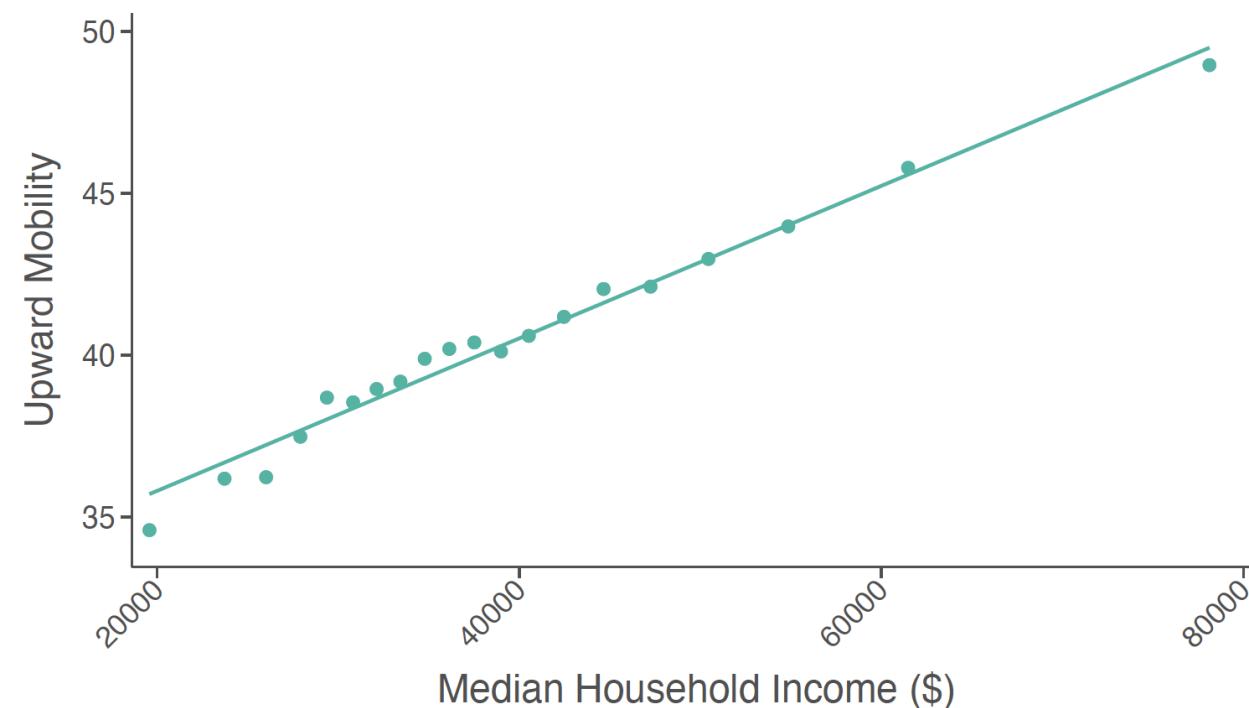
D. Upward Mobility vs. Poverty Rate Controlling for EC,
by County



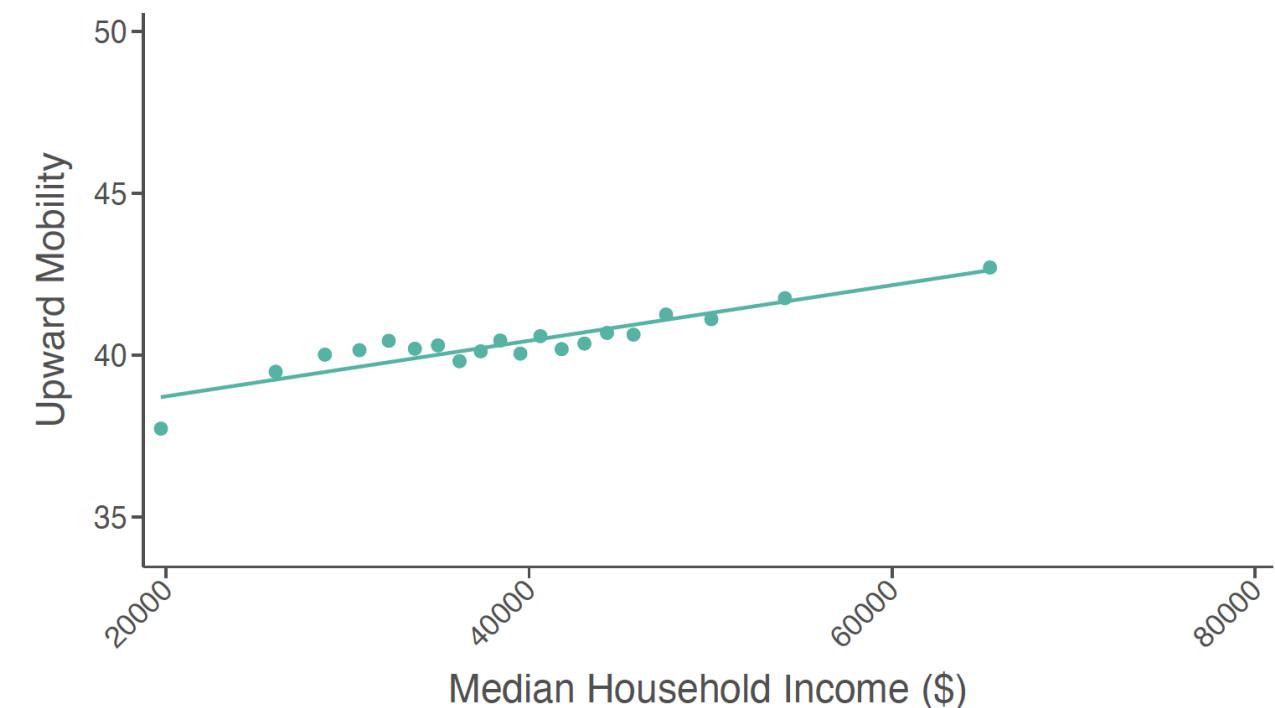
Upward Mobility, EC, and Income Levels across ZIPs

Median Household Income vs. Upward Mobility

A. Upward Mobility vs. Median Income,
by ZIP Code



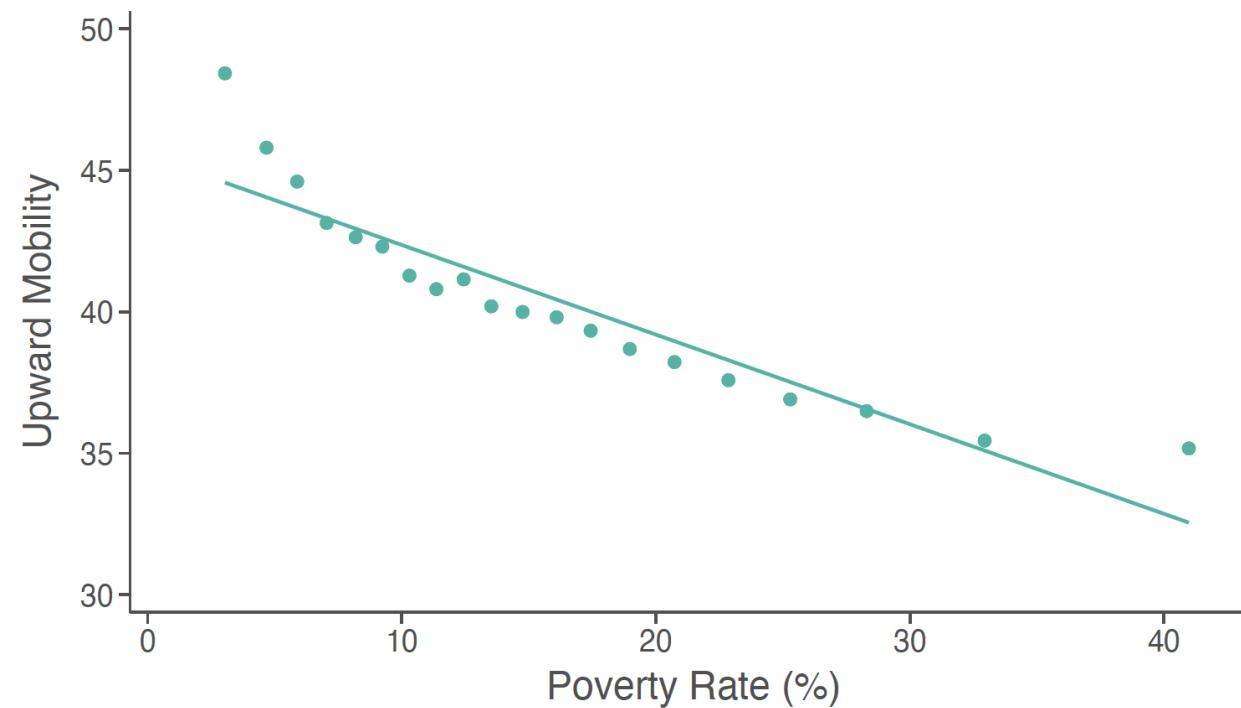
B. Upward Mobility vs. Median Income Controlling for EC,
by ZIP Code



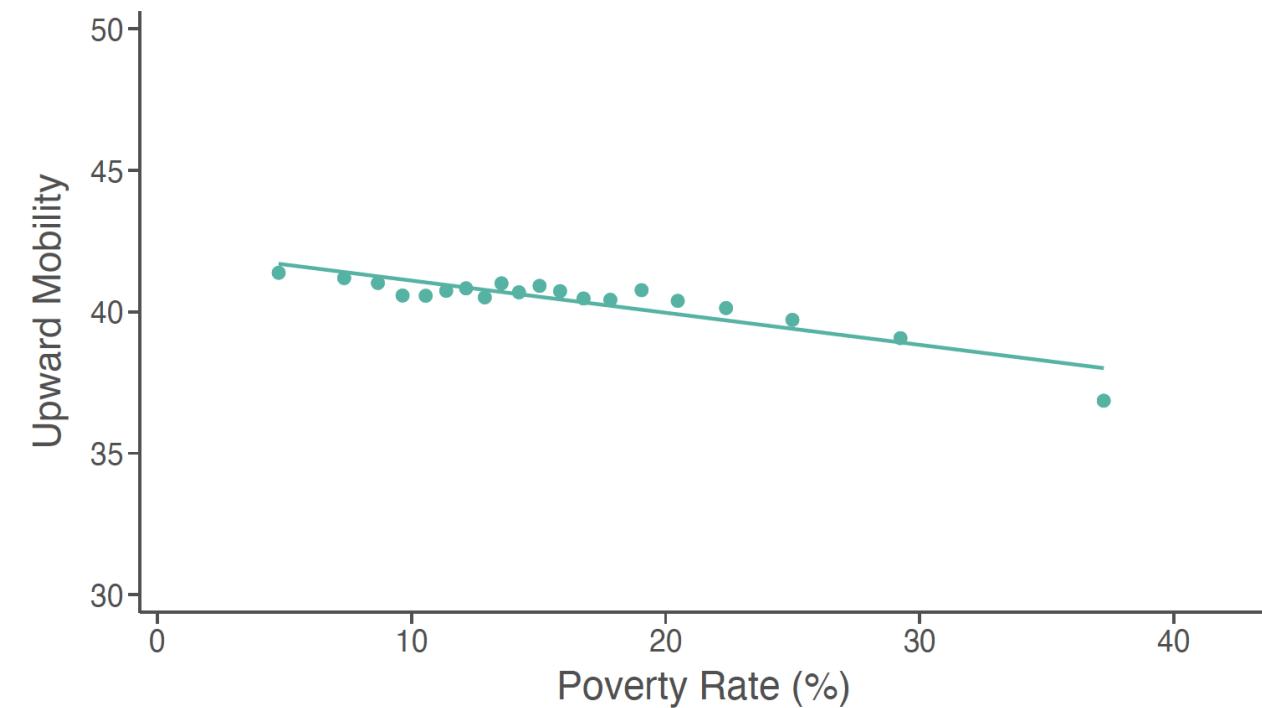
Upward Mobility, EC, and Income Levels across ZIPs

Poverty Rate vs. Upward Mobility

C. Upward Mobility vs. Poverty Rate,
by ZIP Code



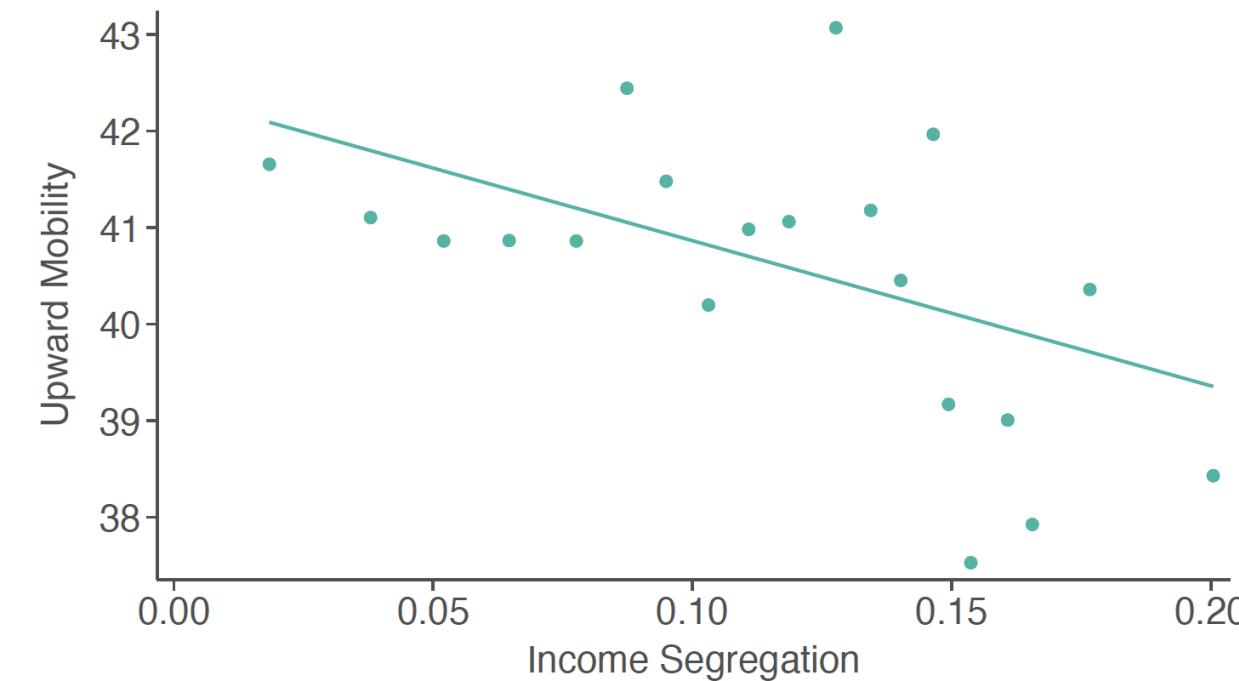
D. Upward Mobility vs. Poverty Rate Controlling for EC,
by ZIP Code



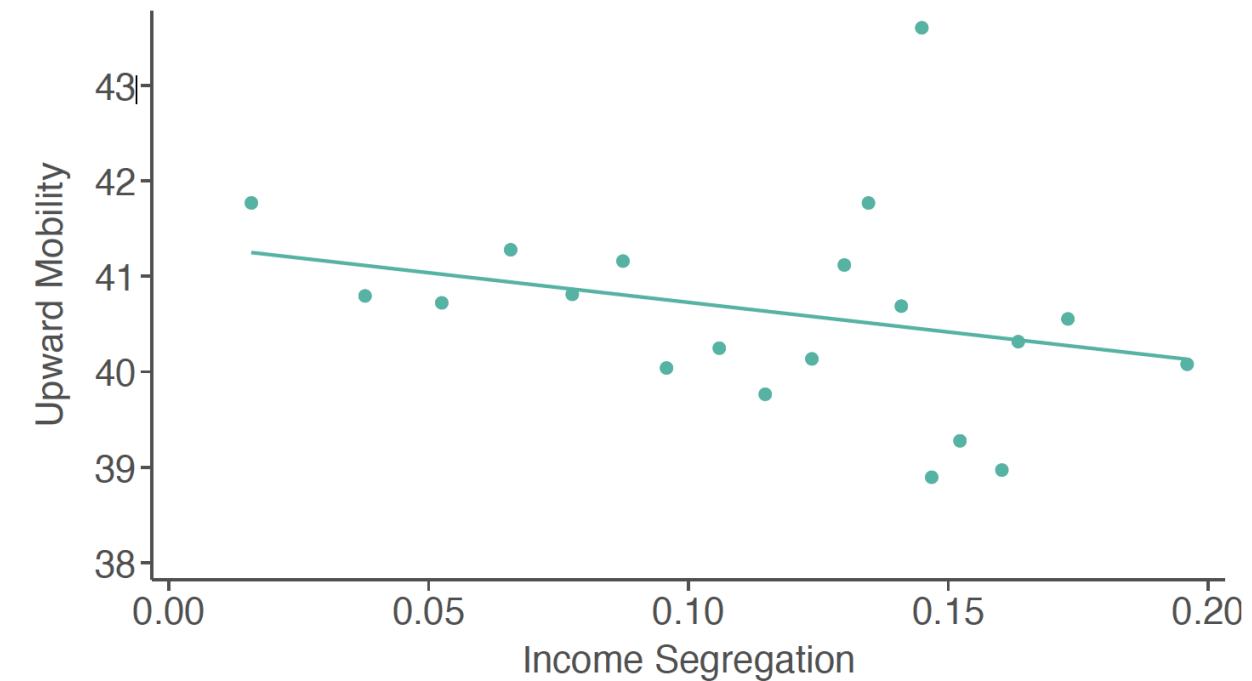
Upward Mobility, EC, and Inequality and Segregation across Counties

Income Segregation vs. Upward Mobility

A. Upward Mobility vs. Income Segregation,
by County



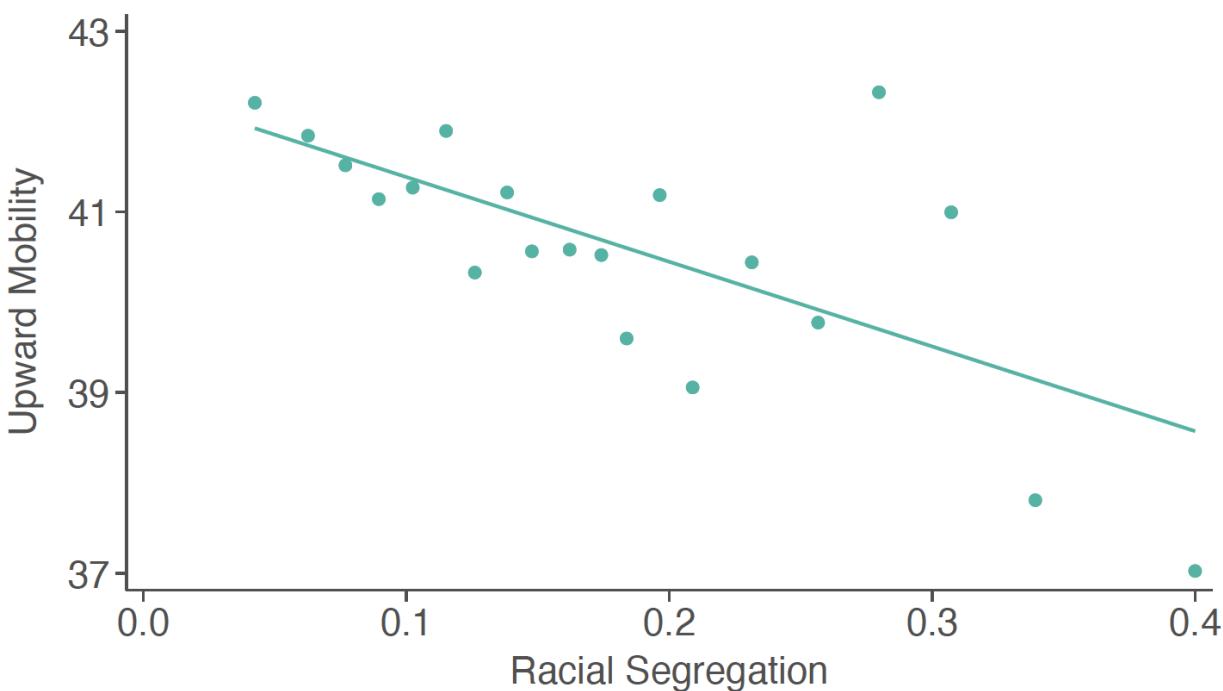
B. Upward Mobility vs. Income Segregation Controlling for
EC, by County



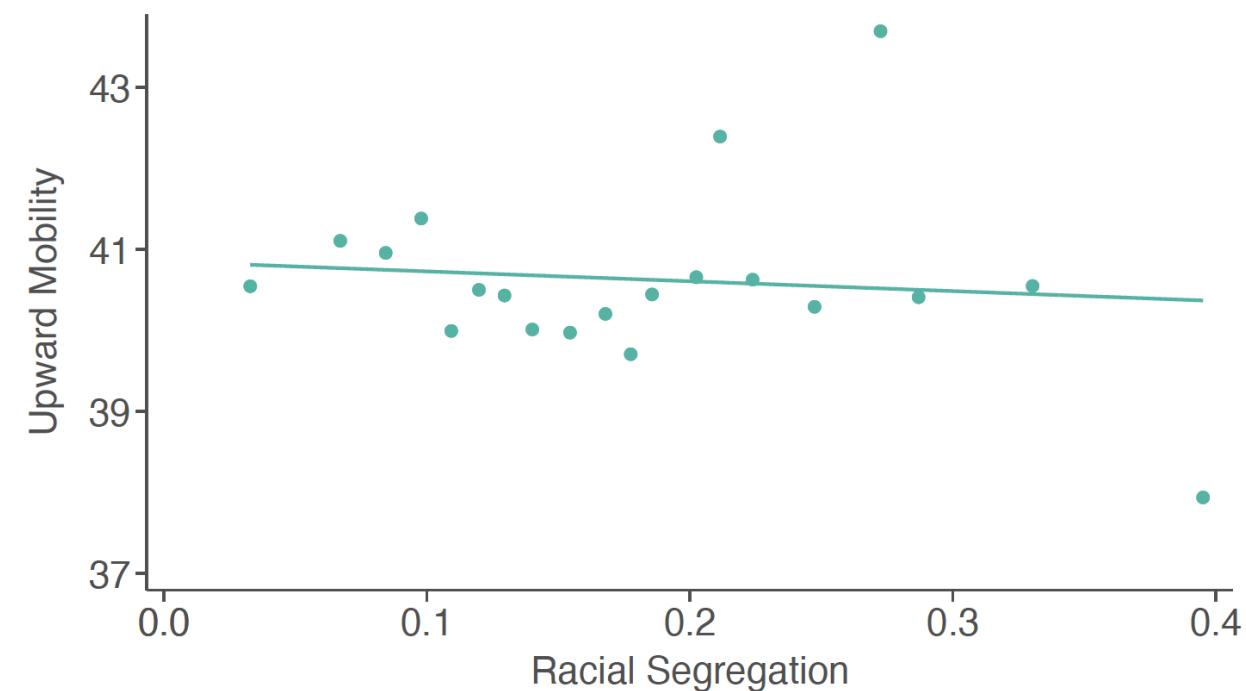
Upward Mobility, EC, and Inequality and Segregation across Counties

Racial Segregation vs. Upward Mobility

C. Upward Mobility vs. Racial Segregation,
by County



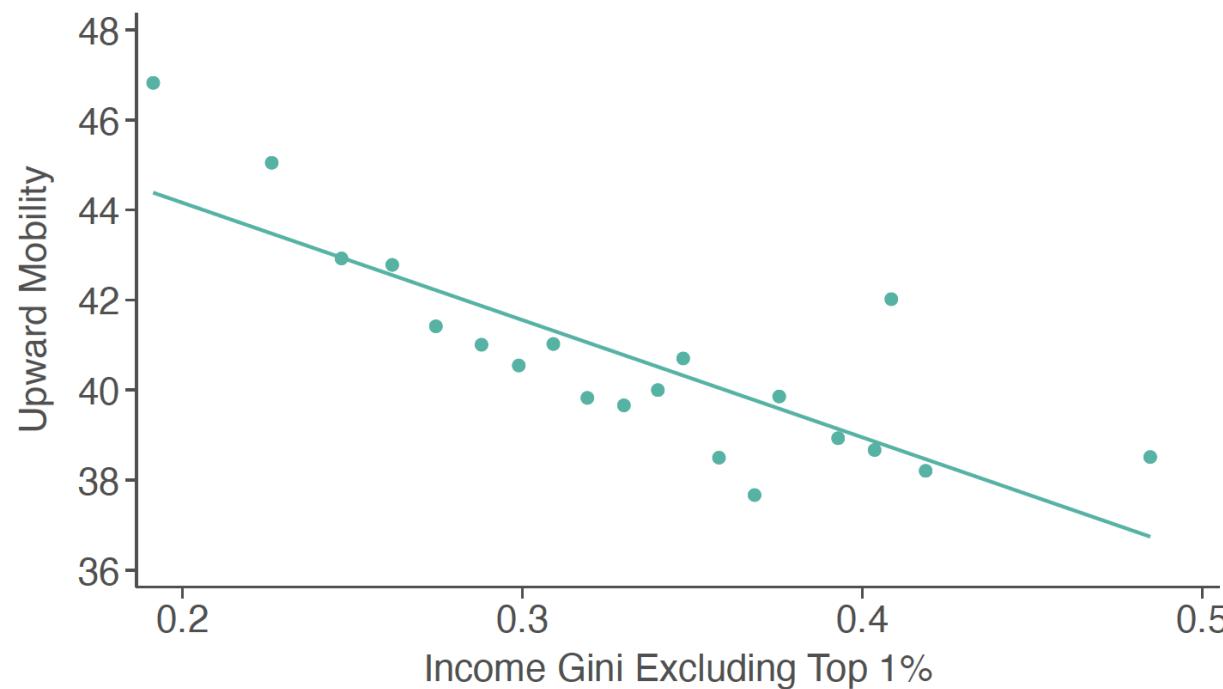
D. Upward Mobility vs. Racial Segregation Controlling for
EC, by County



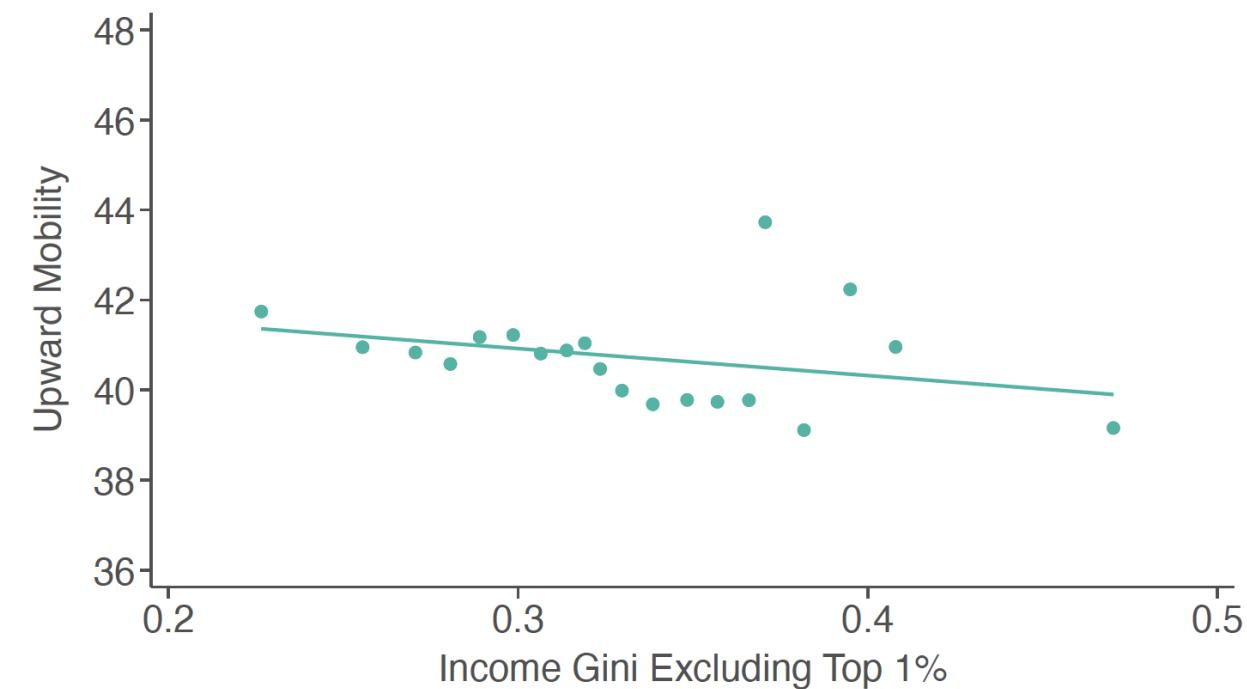
Upward Mobility, EC, and Inequality and Segregation across Counties

Gini Coefficient vs. Upward Mobility

E. Upward Mobility vs. Gini Coefficient,
by County



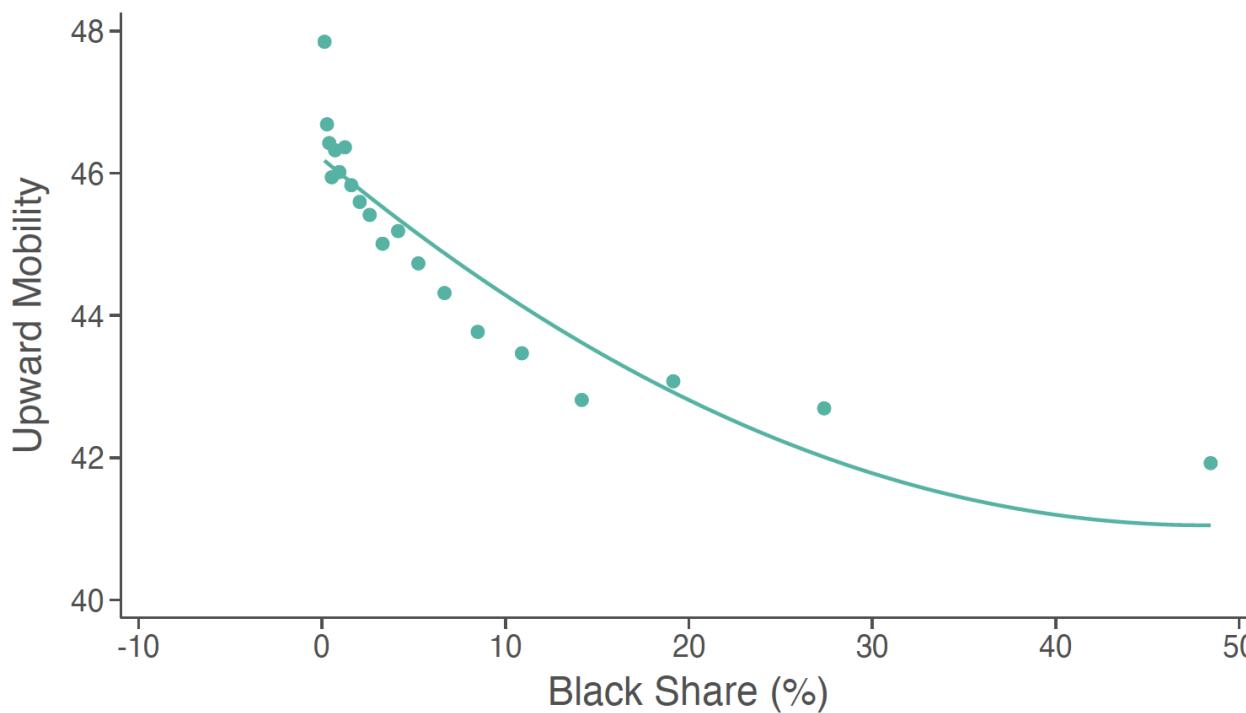
F. Upward Mobility vs. Gini Coefficient Controlling for EC,
by County



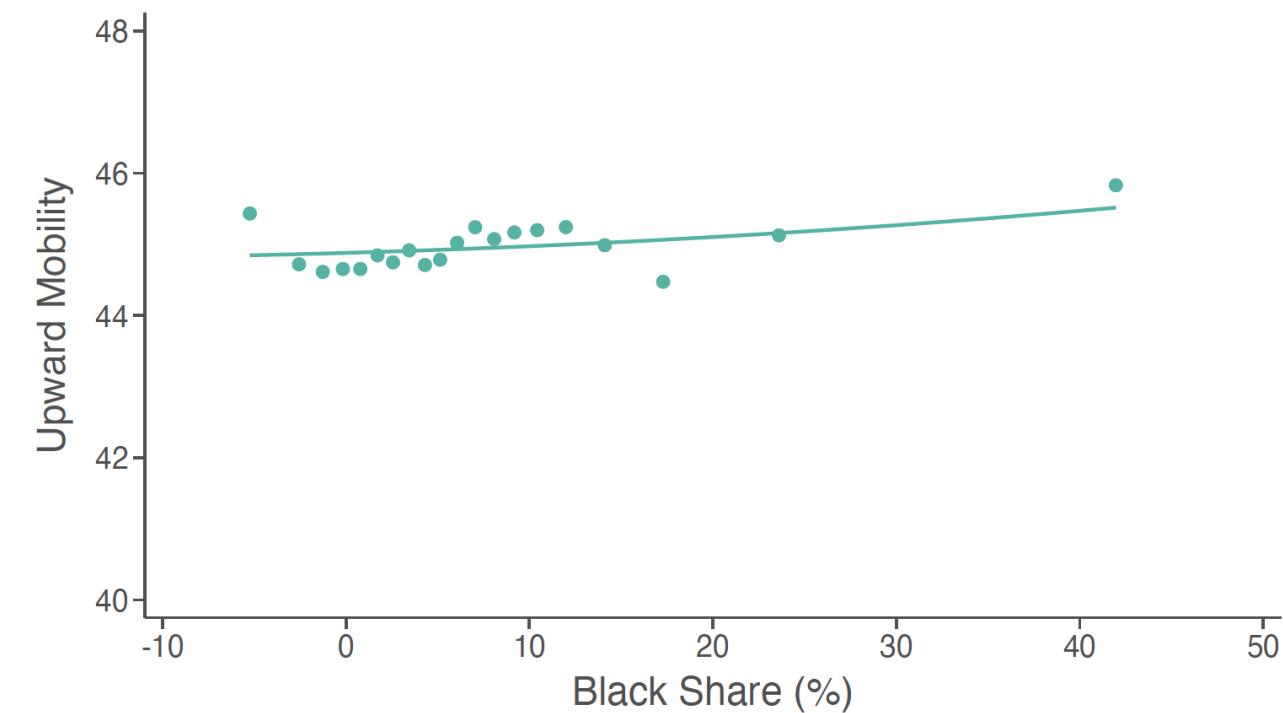
Upward Mobility, EC, and Share of Black Residents across ZIPs

Black Share vs. Upward Mobility for White Individuals

A. Upward Mobility for White Individuals vs. Black Share,
by ZIP Code



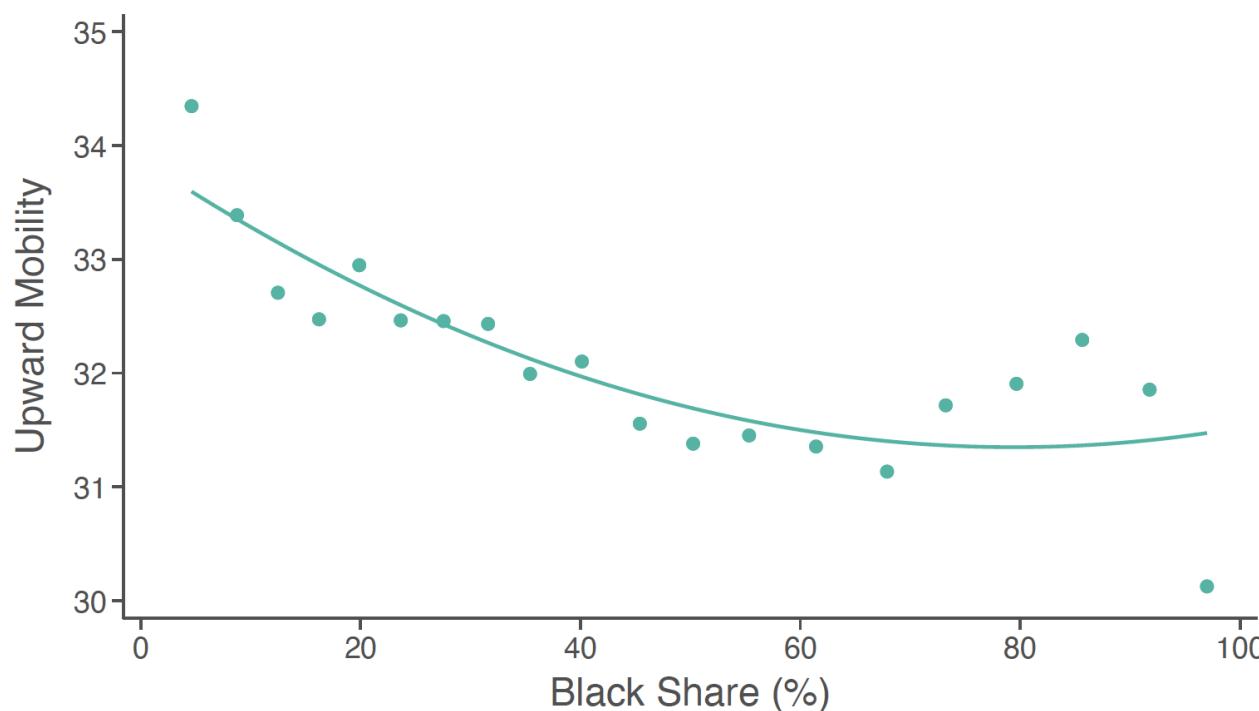
B. Upward Mobility for White Individuals vs. Black Share
Controlling for EC, by ZIP Code



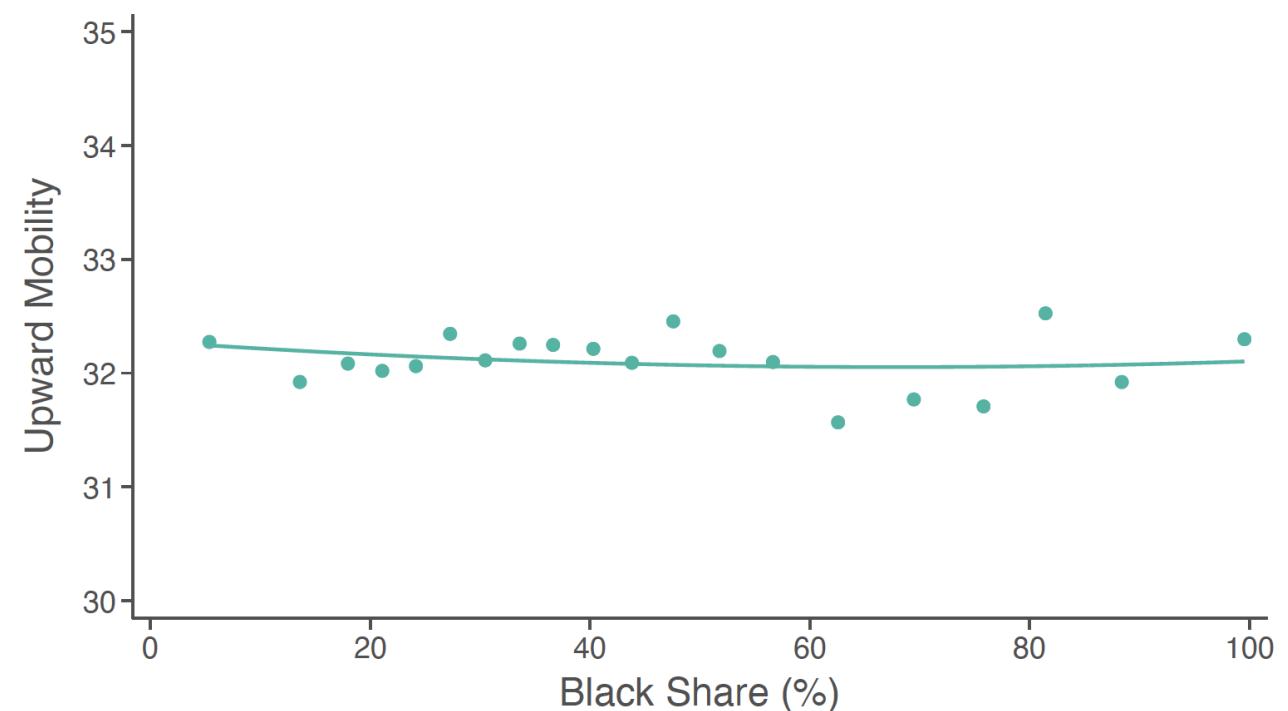
Upward Mobility, EC, and Share of Black Residents across ZIPs

Black Share vs. Upward Mobility for Black Individuals

C. Upward Mobility for Black Individuals vs. Black Share,
by ZIP Code

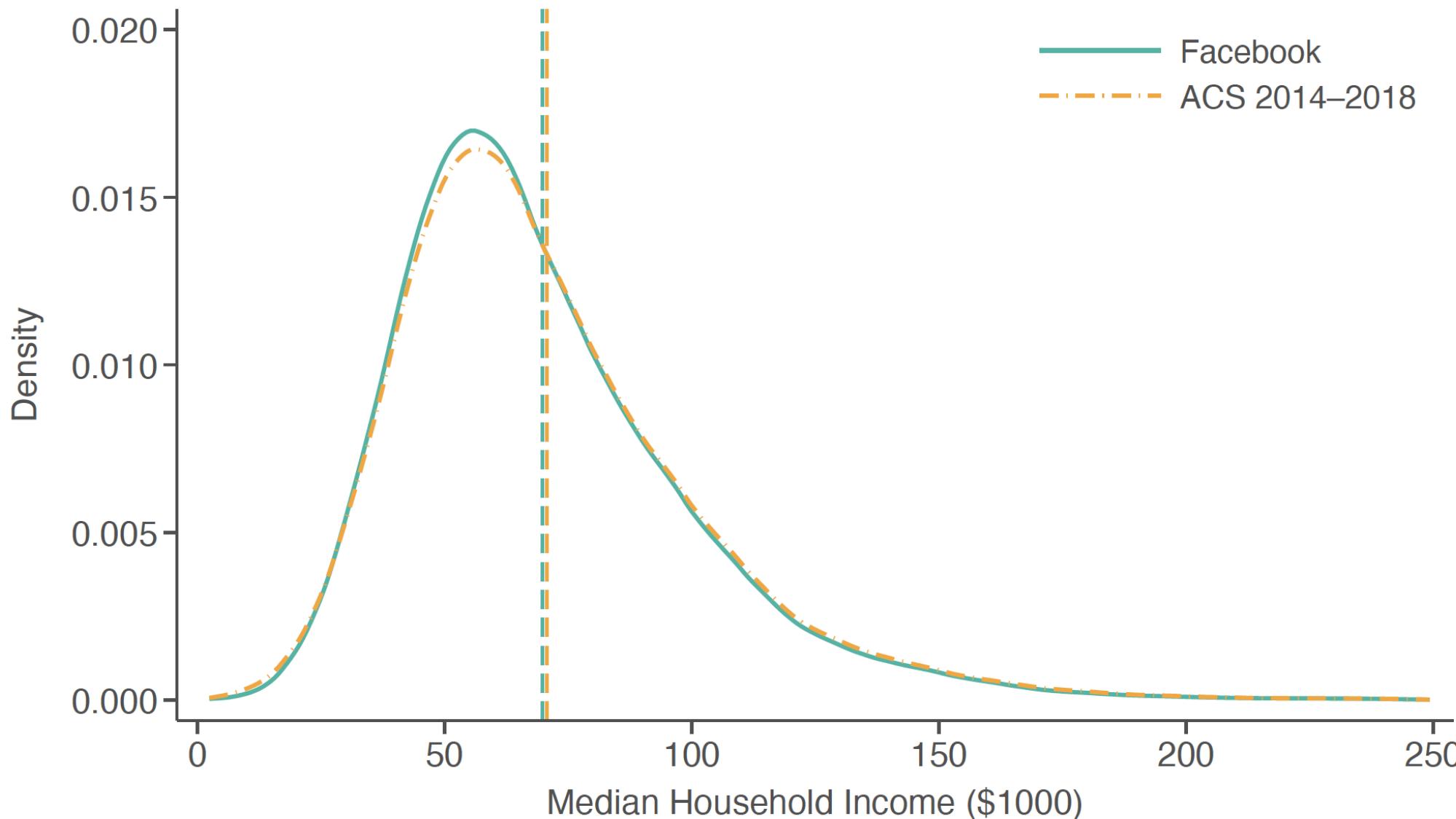


D. Upward Mobility for Black Individuals vs. Black Share
Controlling for EC, by ZIP Code



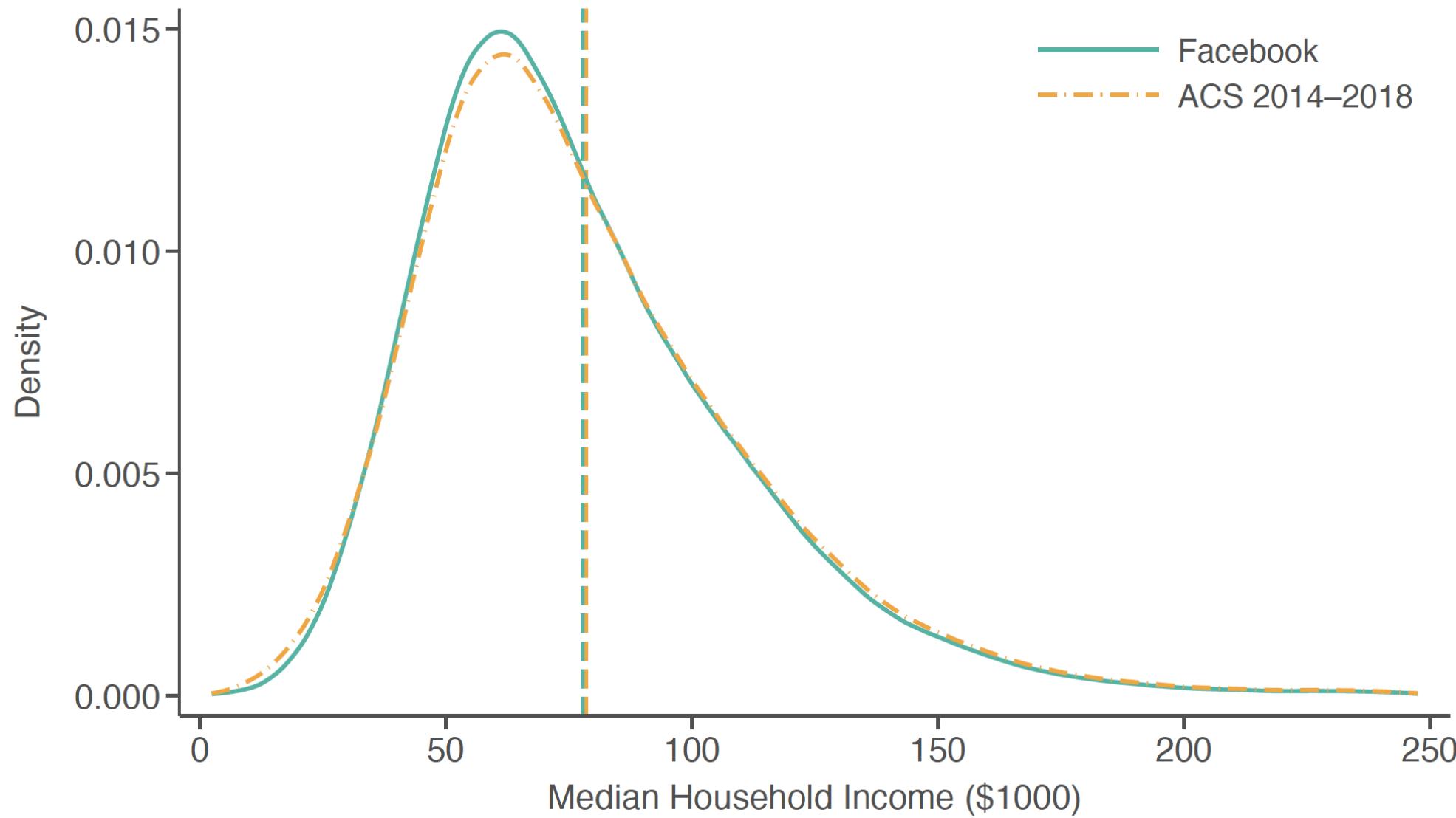
Distribution of ZIP-level Incomes in Facebook Data vs. ACS

Ages 25 to 44



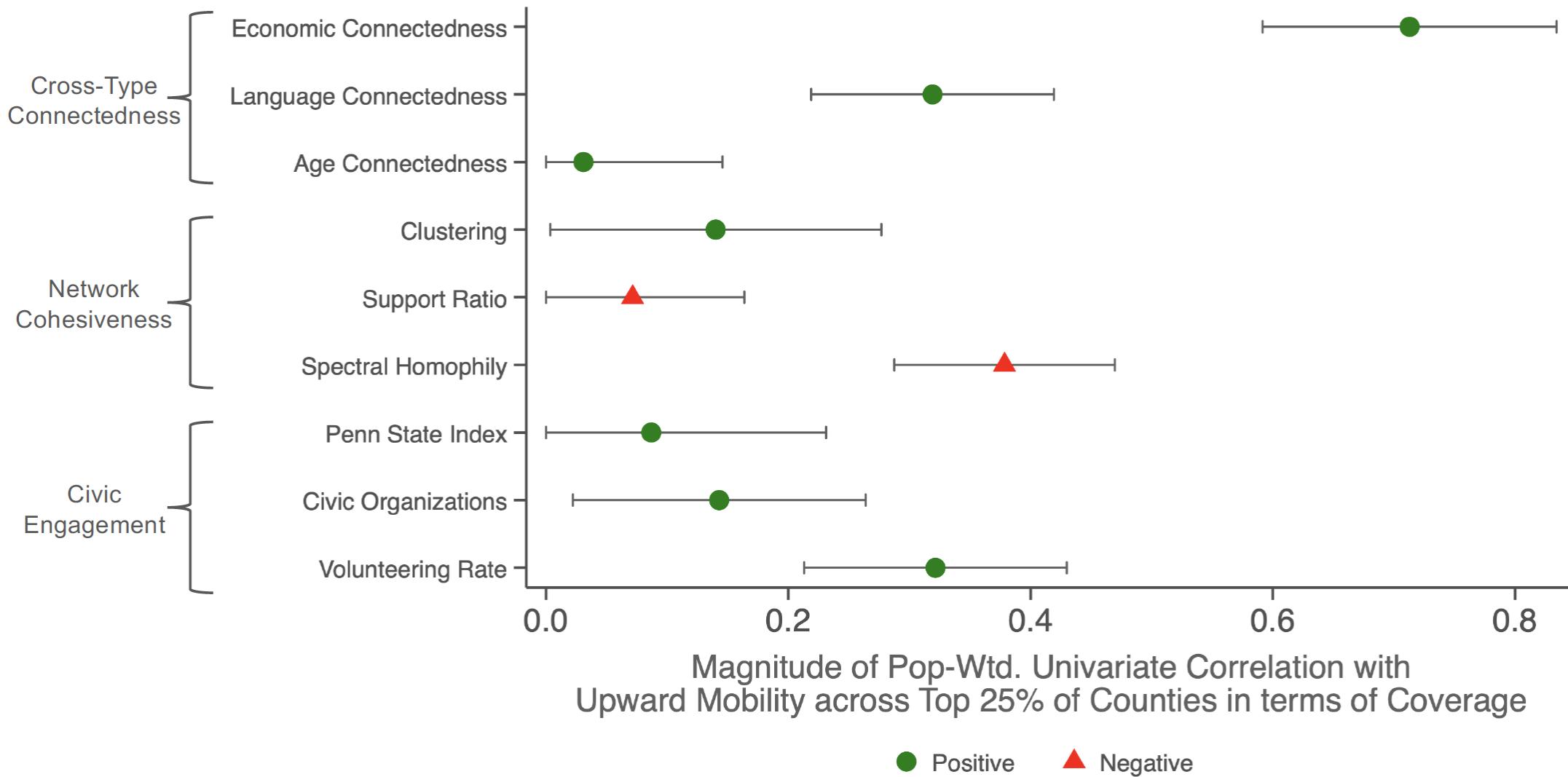
Distribution of ZIP-level Incomes in Facebook Data vs. ACS

Ages 45 to 64



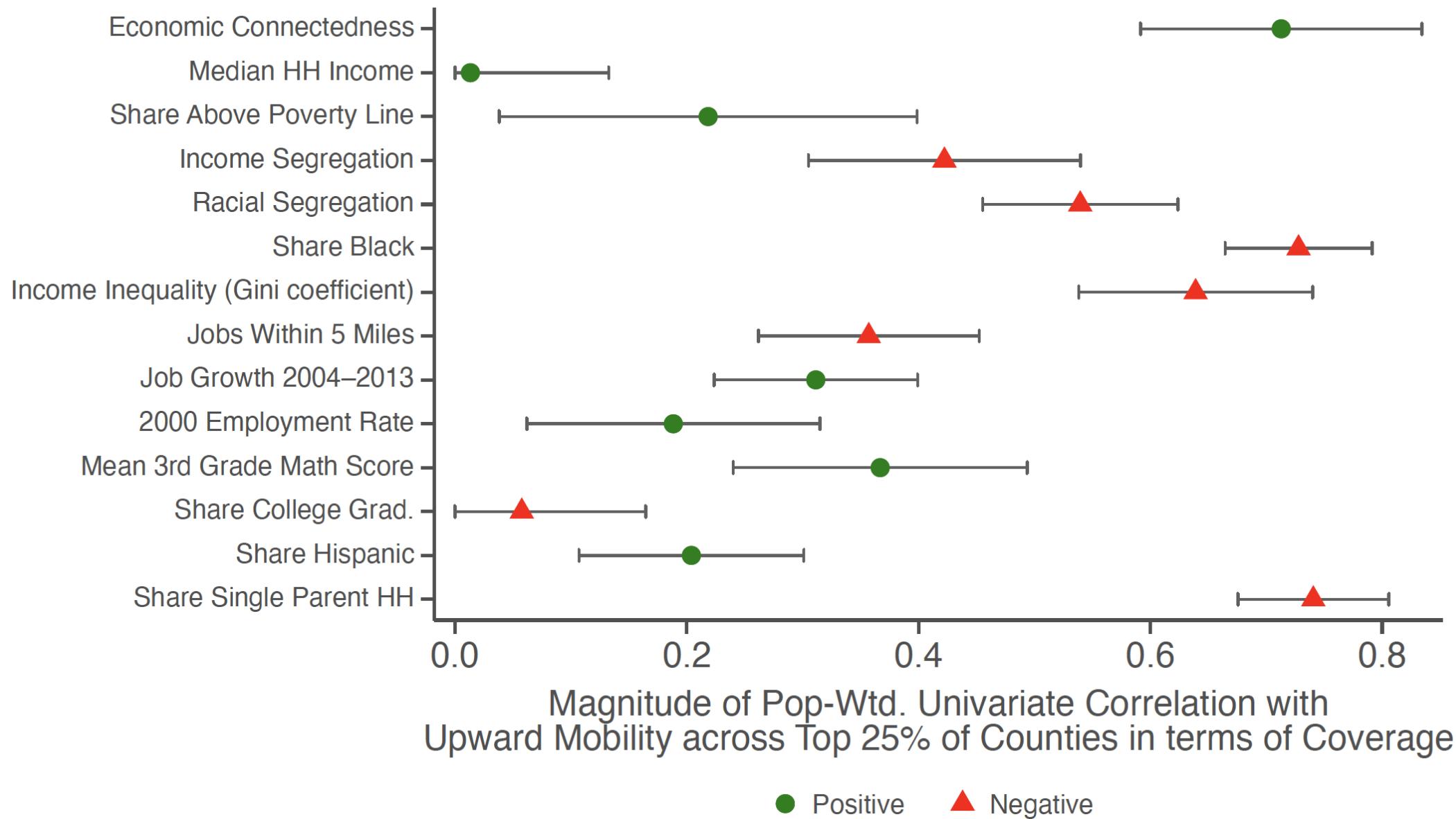
County-level Correlations for Top 25% of Counties by FB Coverage Rates

Social Capital vs. Upward Mobility

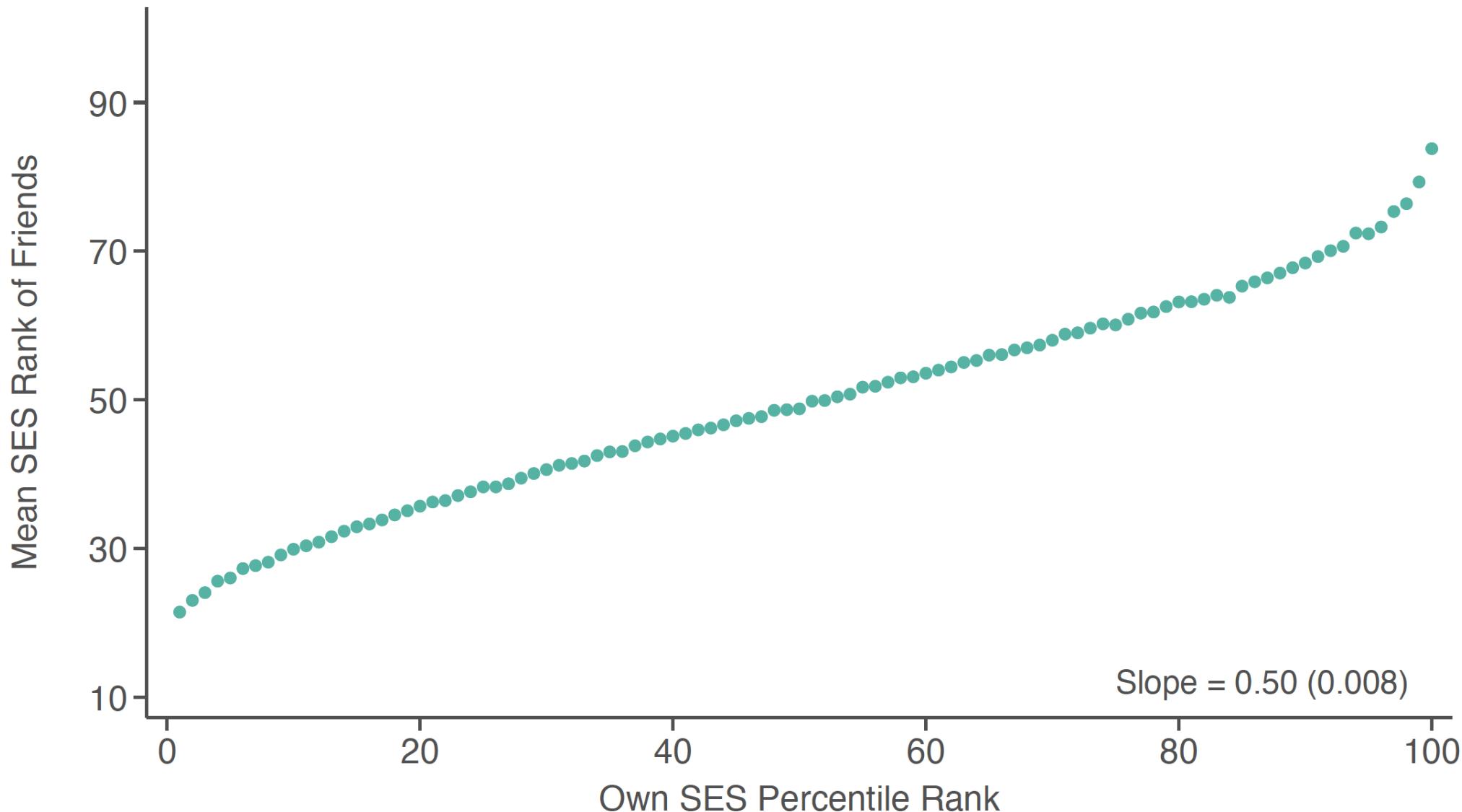


County-level Correlations for Top 25% of Counties by FB Coverage Rates

Neighbourhood Characteristics vs. Upward Mobility

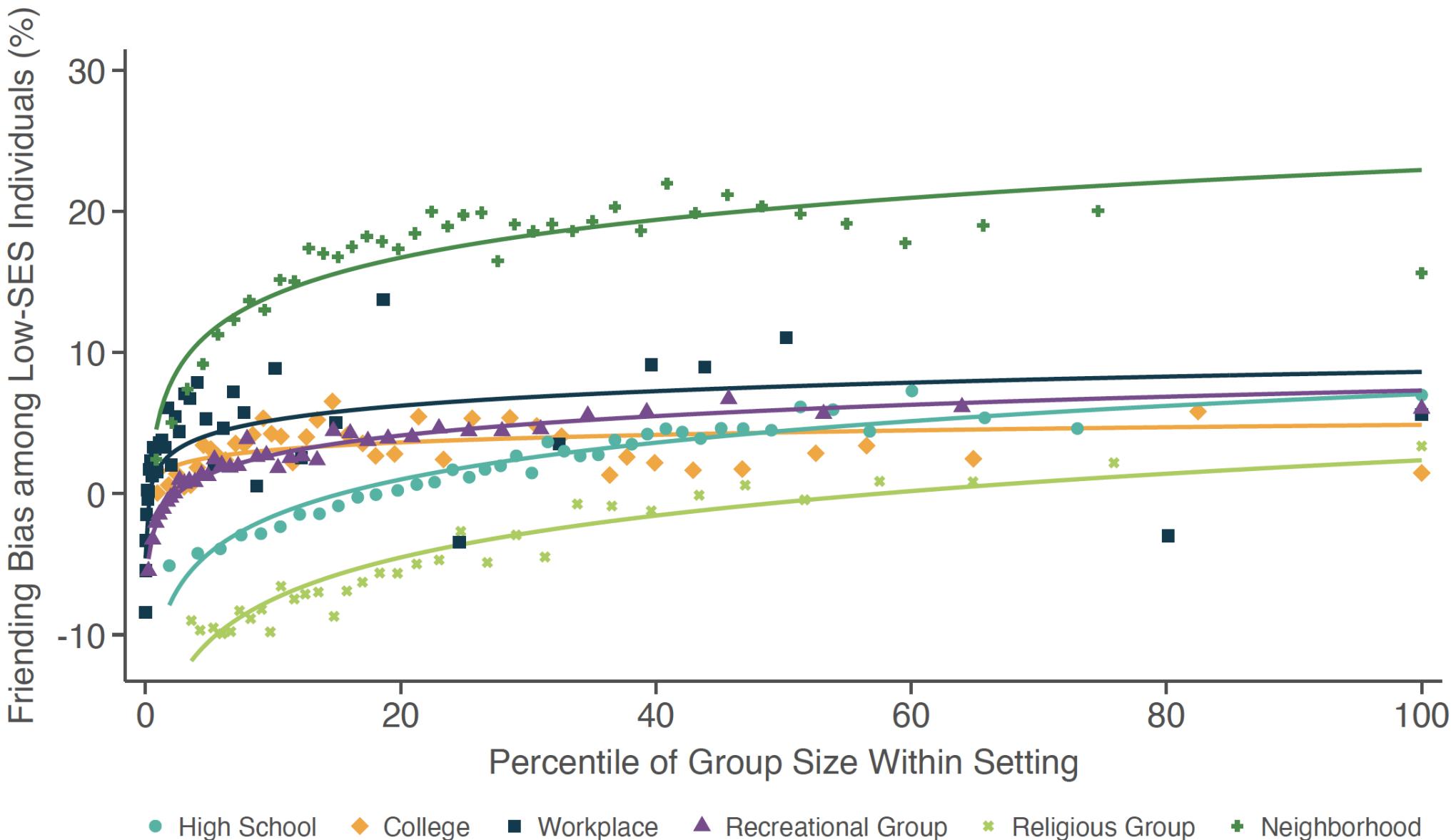


Relationship Between Friends' and Own SES on Instagram



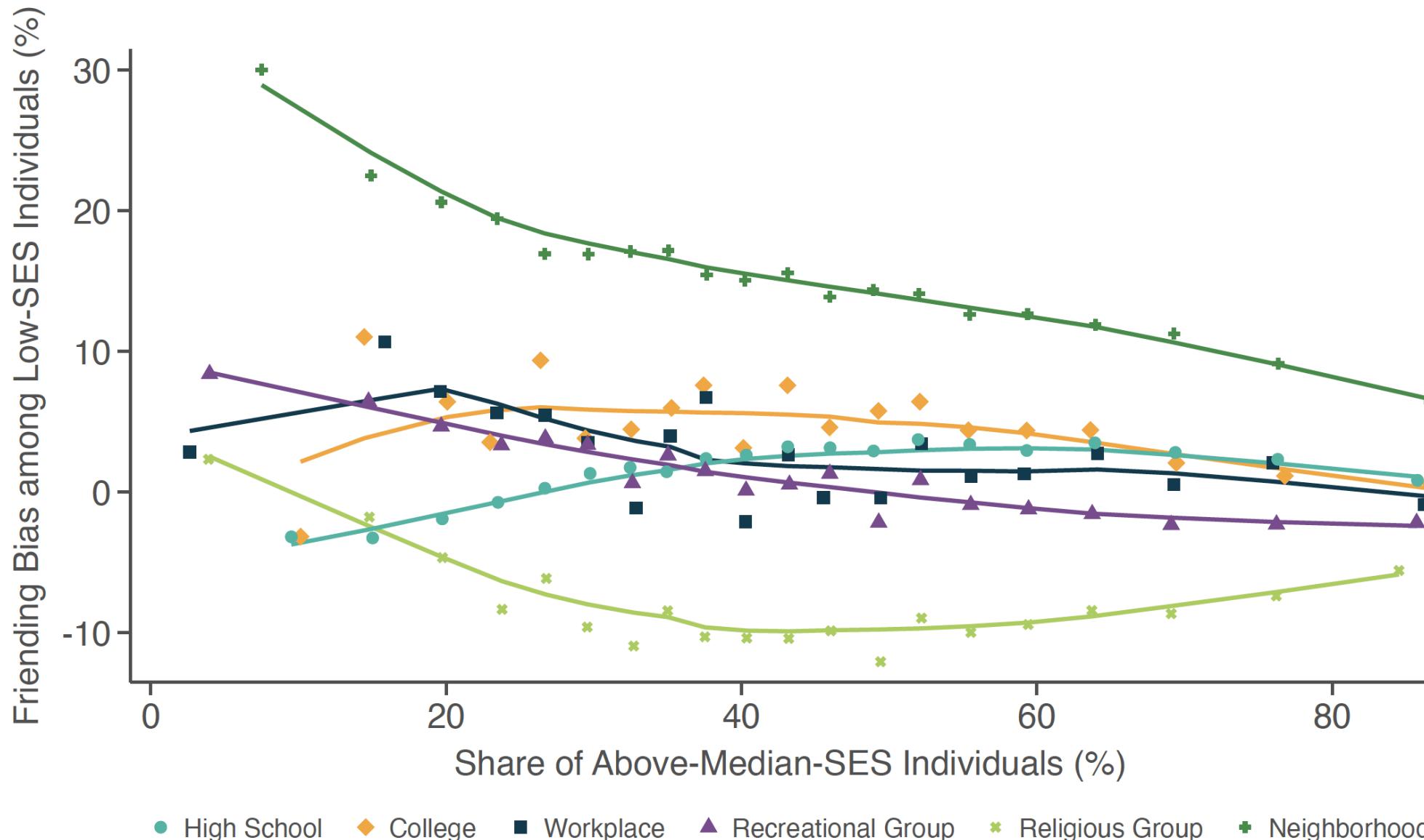
Predictors of Friending Bias across Settings

Friending Bias vs. Group Size



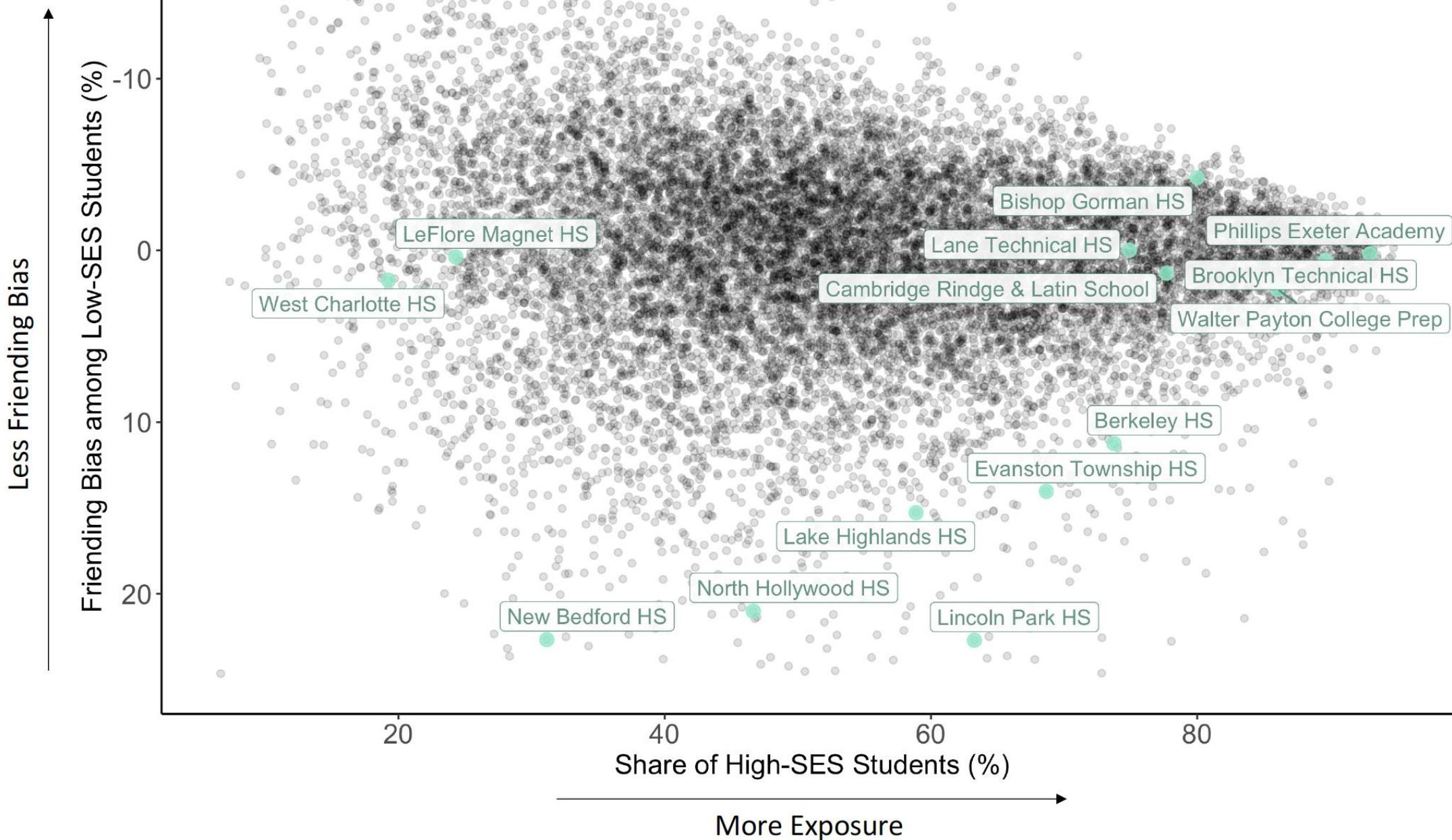
Predictors of Friending Bias across Settings

Friending Bias vs. High-SES Exposure



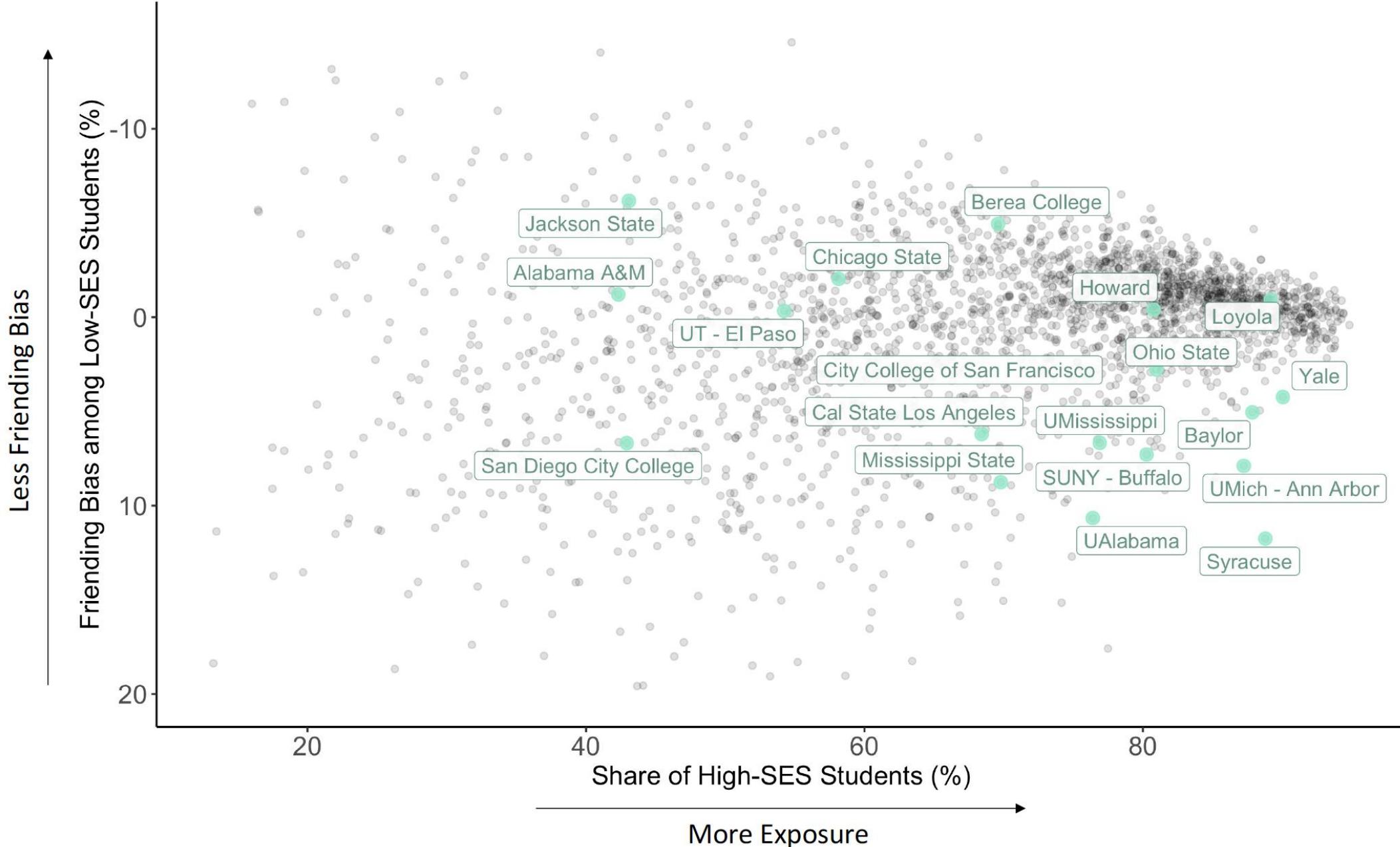
Friending Bias vs. Exposure to High-SES Students, by High School

Among Low-Own-SES Students in 1990-2000 Birth Cohorts



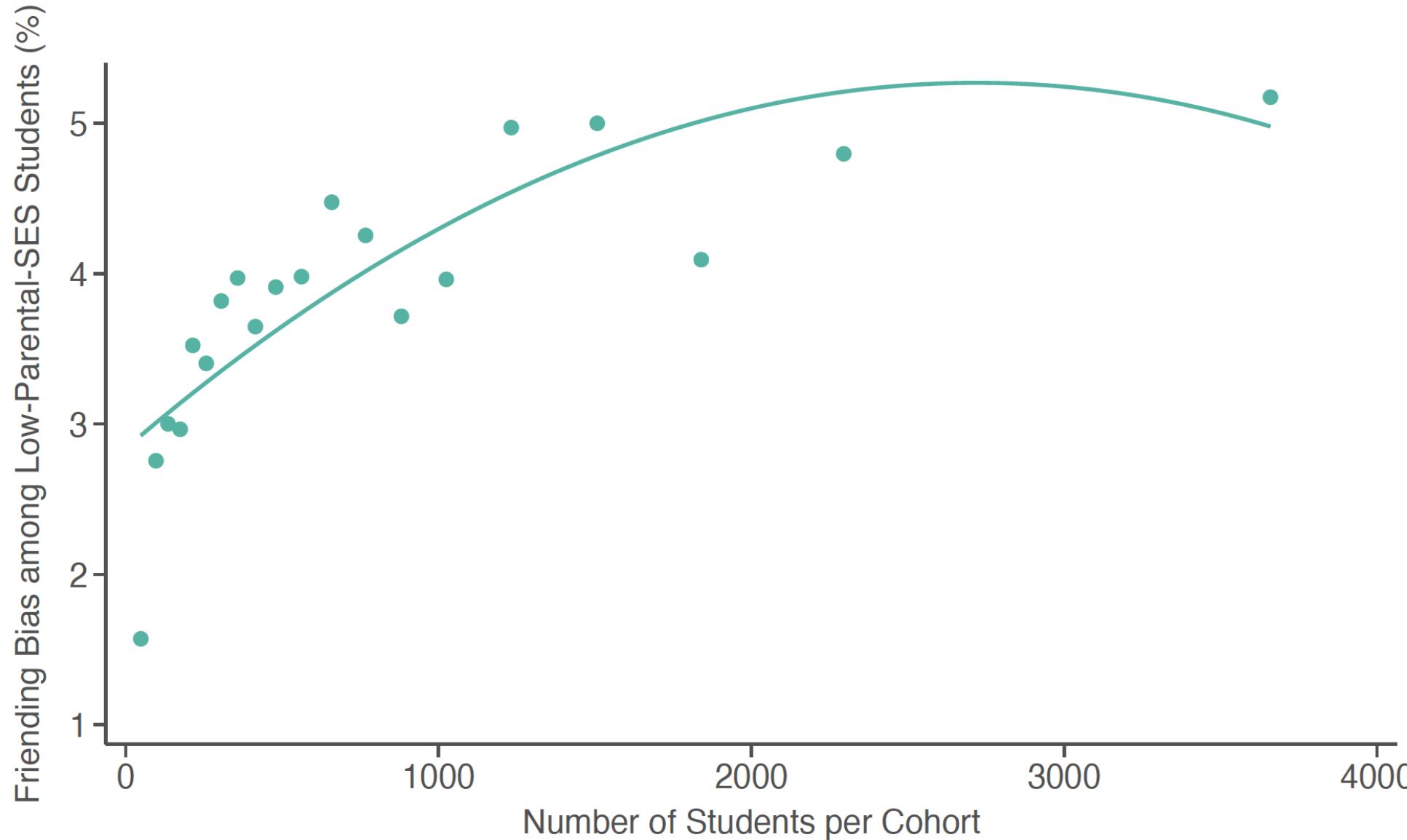
Friending Bias vs. Exposure to High-SES Students, by College

Among Low-Own-SES Students in 1990-2000 Birth Cohorts



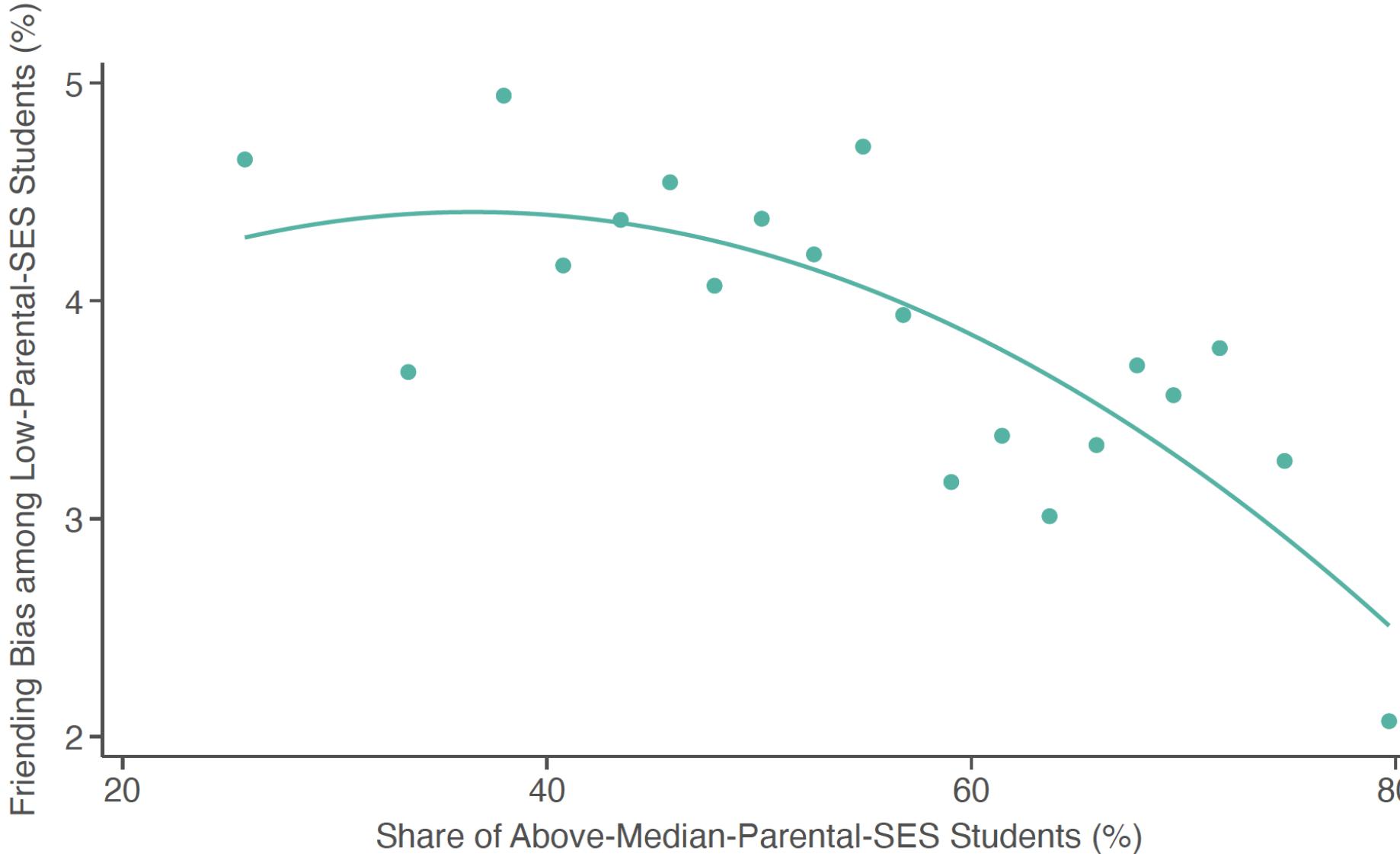
Friending Bias in Colleges vs. School Cohort Size

Bias Measured using Parental SES



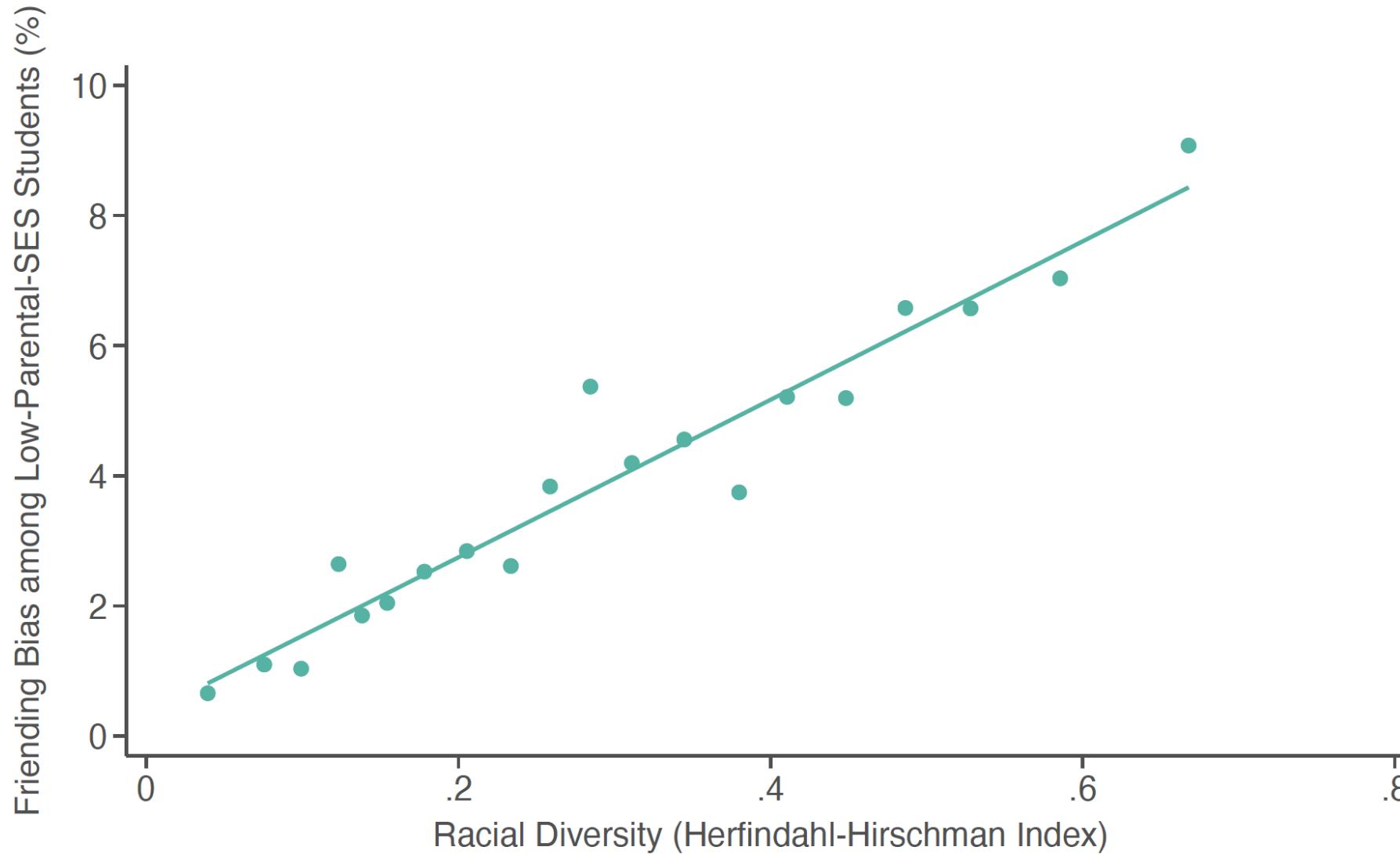
Friending Bias in Colleges vs. Exposure

Bias Measured using Parental SES



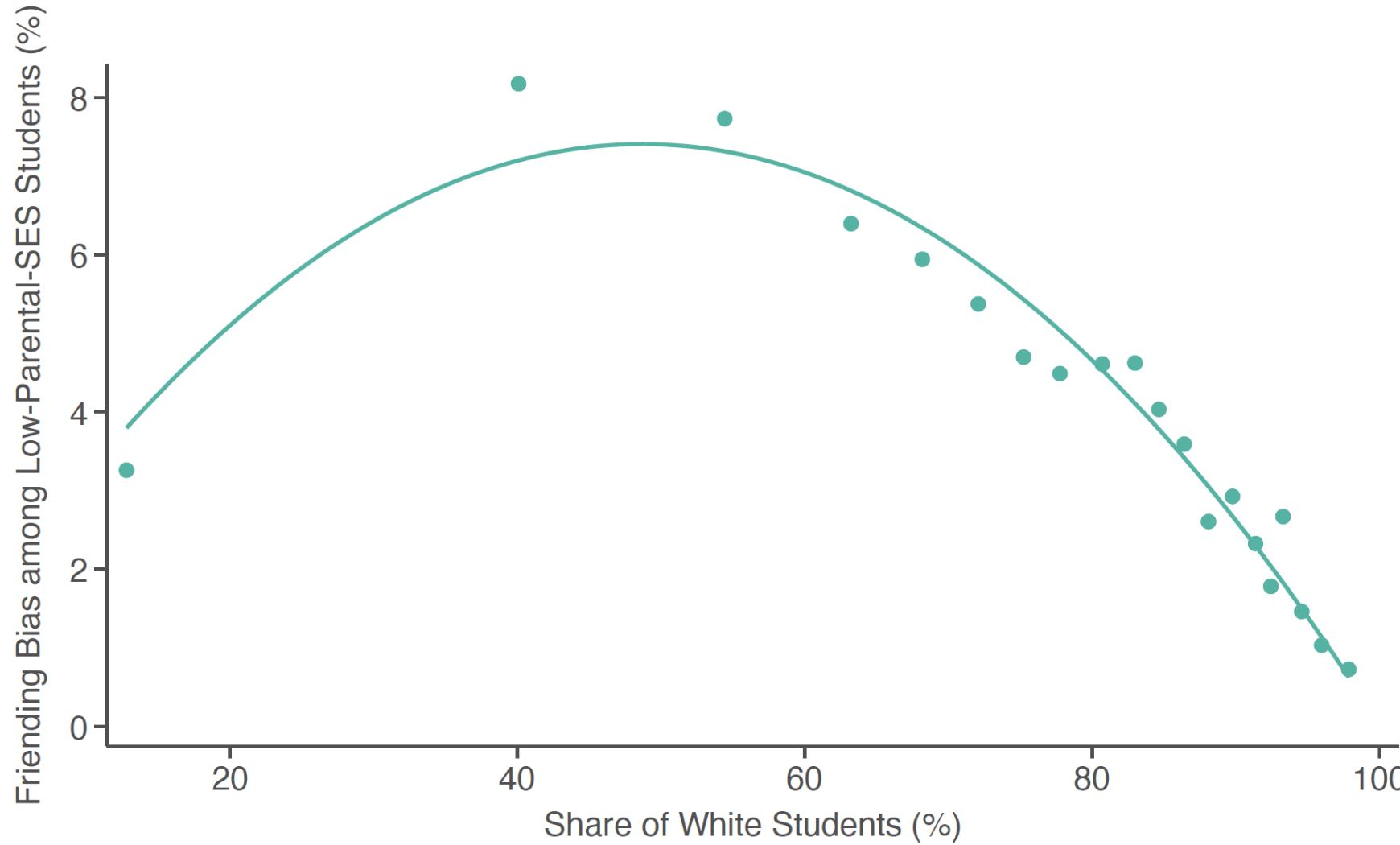
Friending Bias in Colleges vs. Racial Diversity

Bias Measured using Parental SES



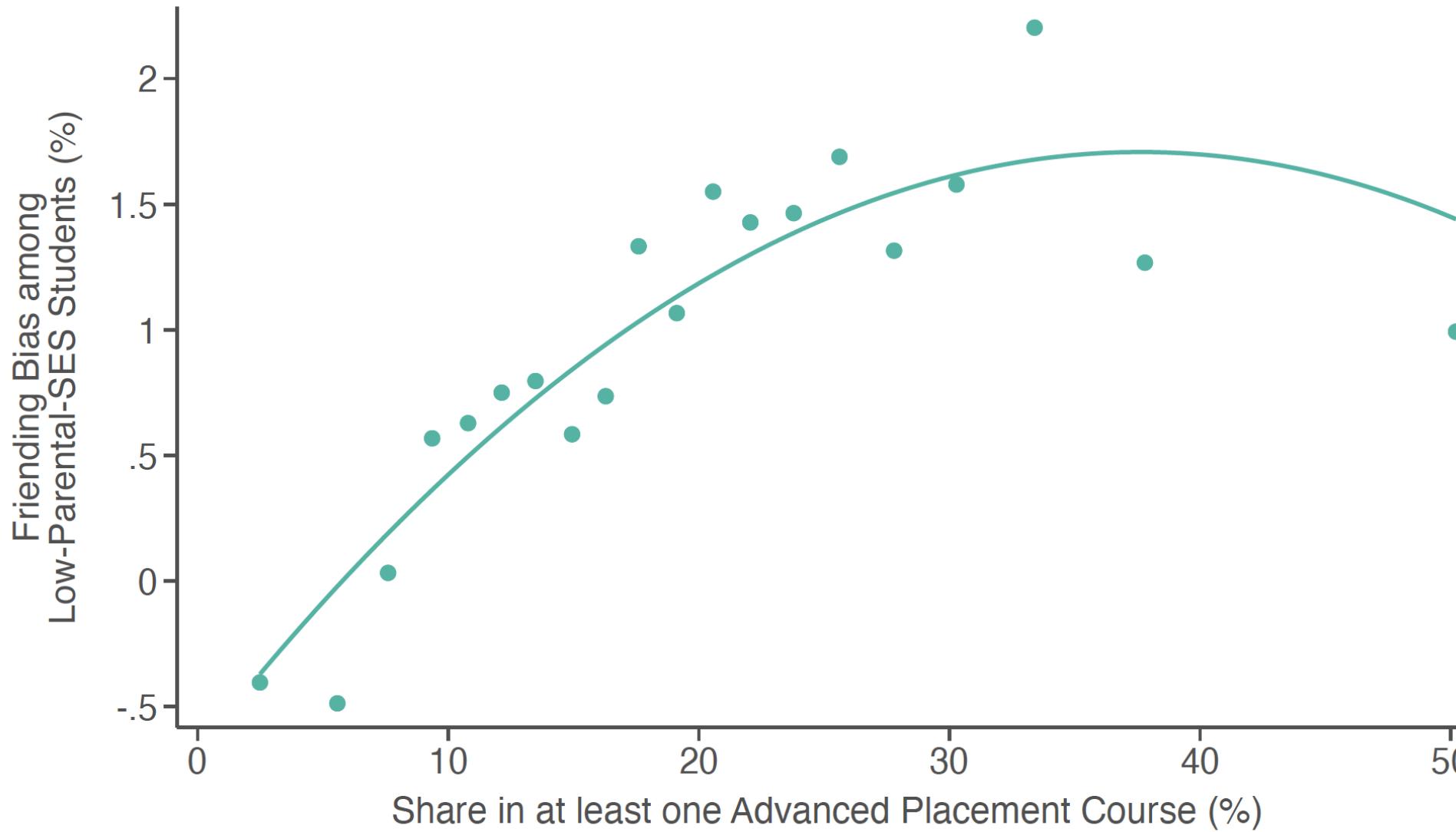
Friending Bias in Colleges vs. Share White

Bias Measured using Parental SES



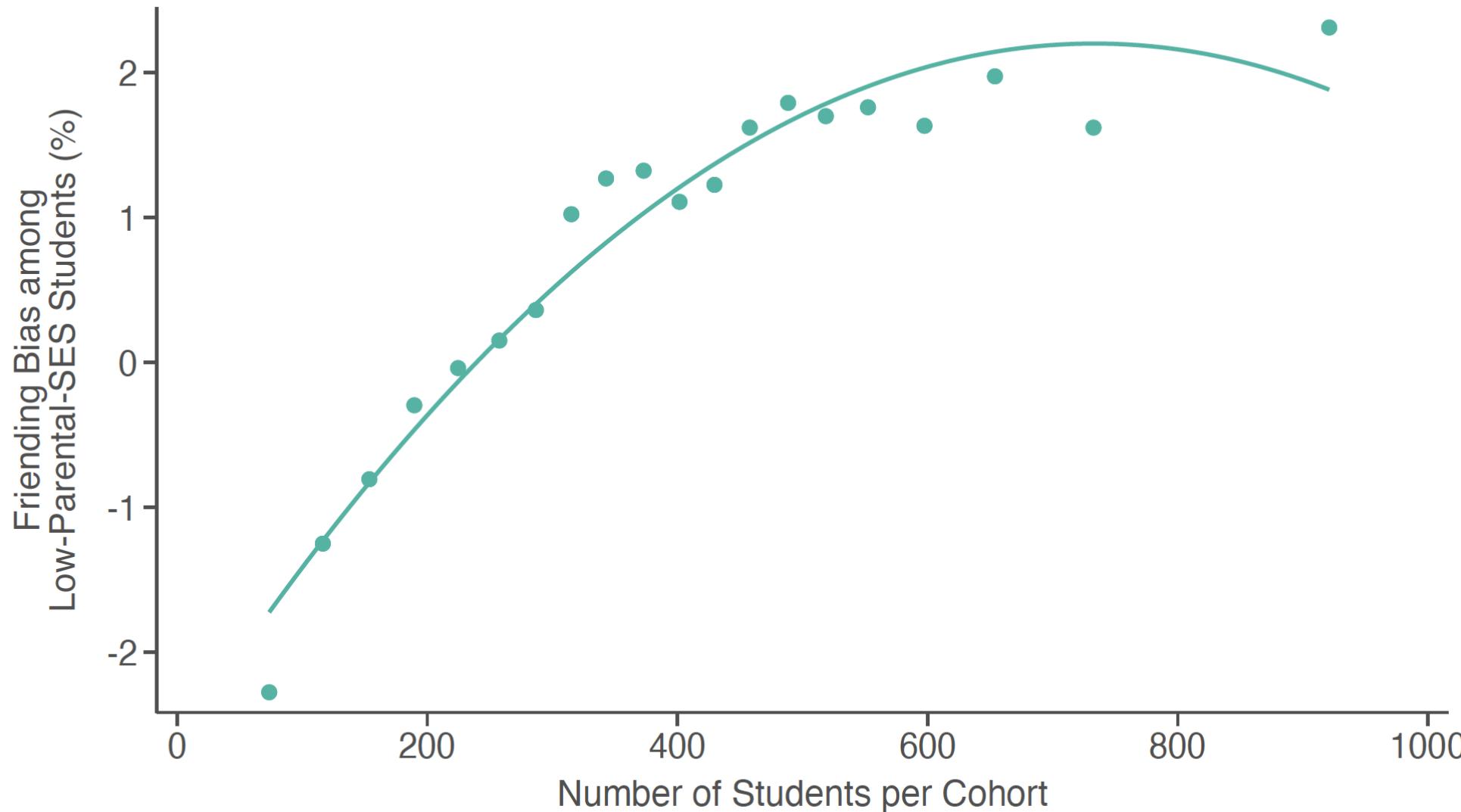
Friending Bias in High Schools vs. AP Enrollment

Bias Measured using Parental SES



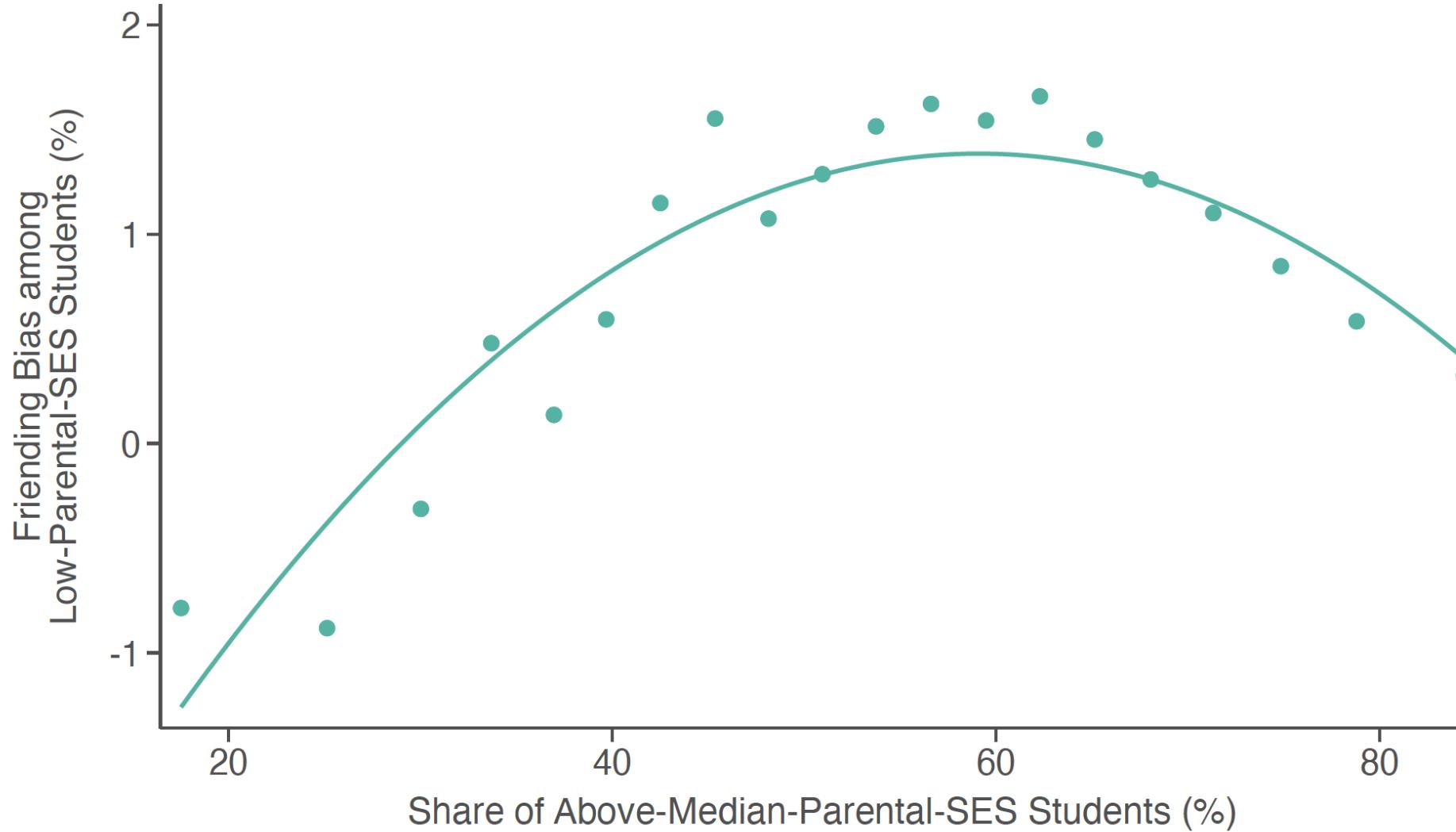
Friending Bias in High Schools vs. School Size

Bias Measured using Parental SES



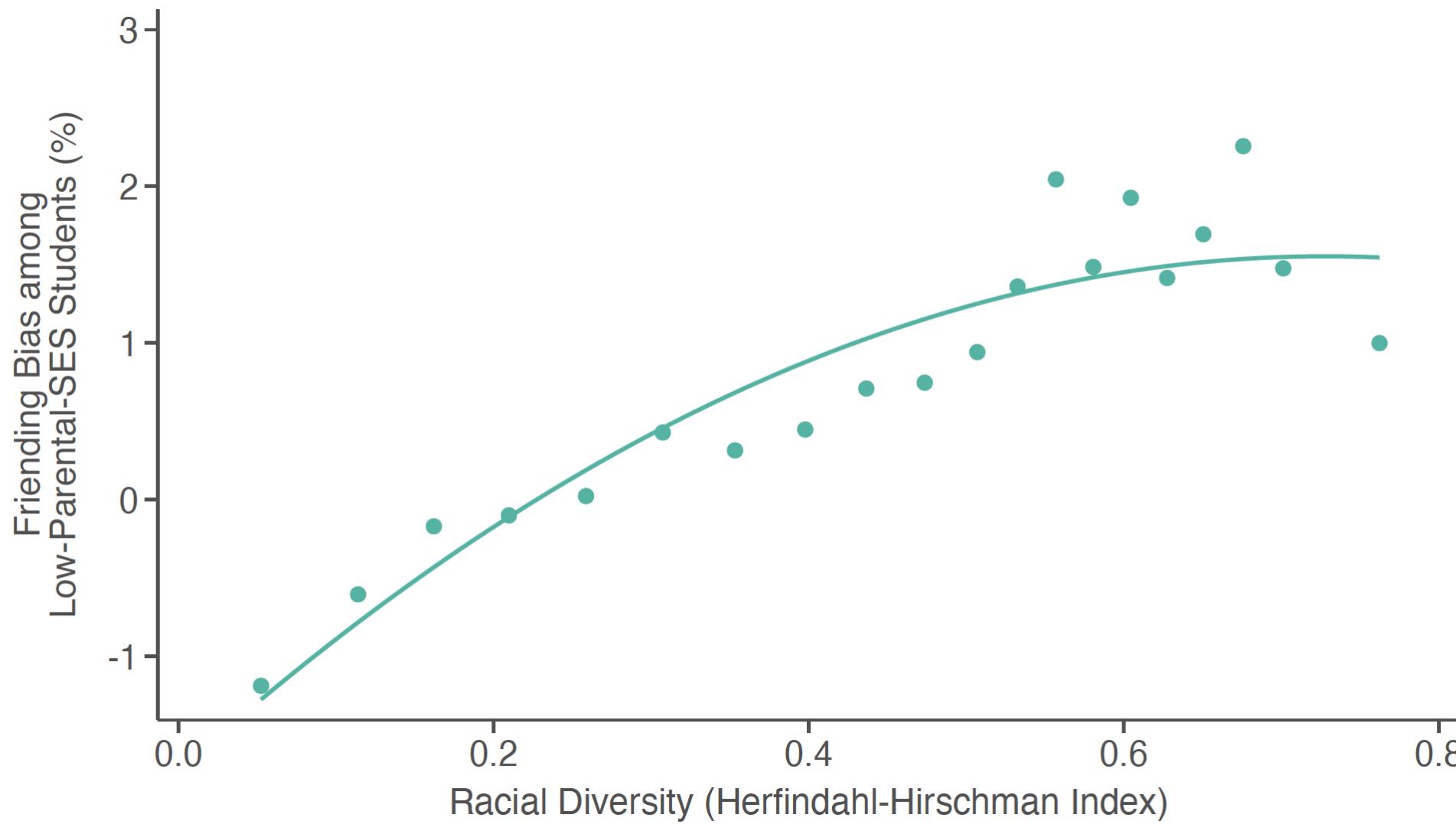
Friending Bias in High Schools vs. Socioeconomic Diversity

Bias Measured using Parental SES



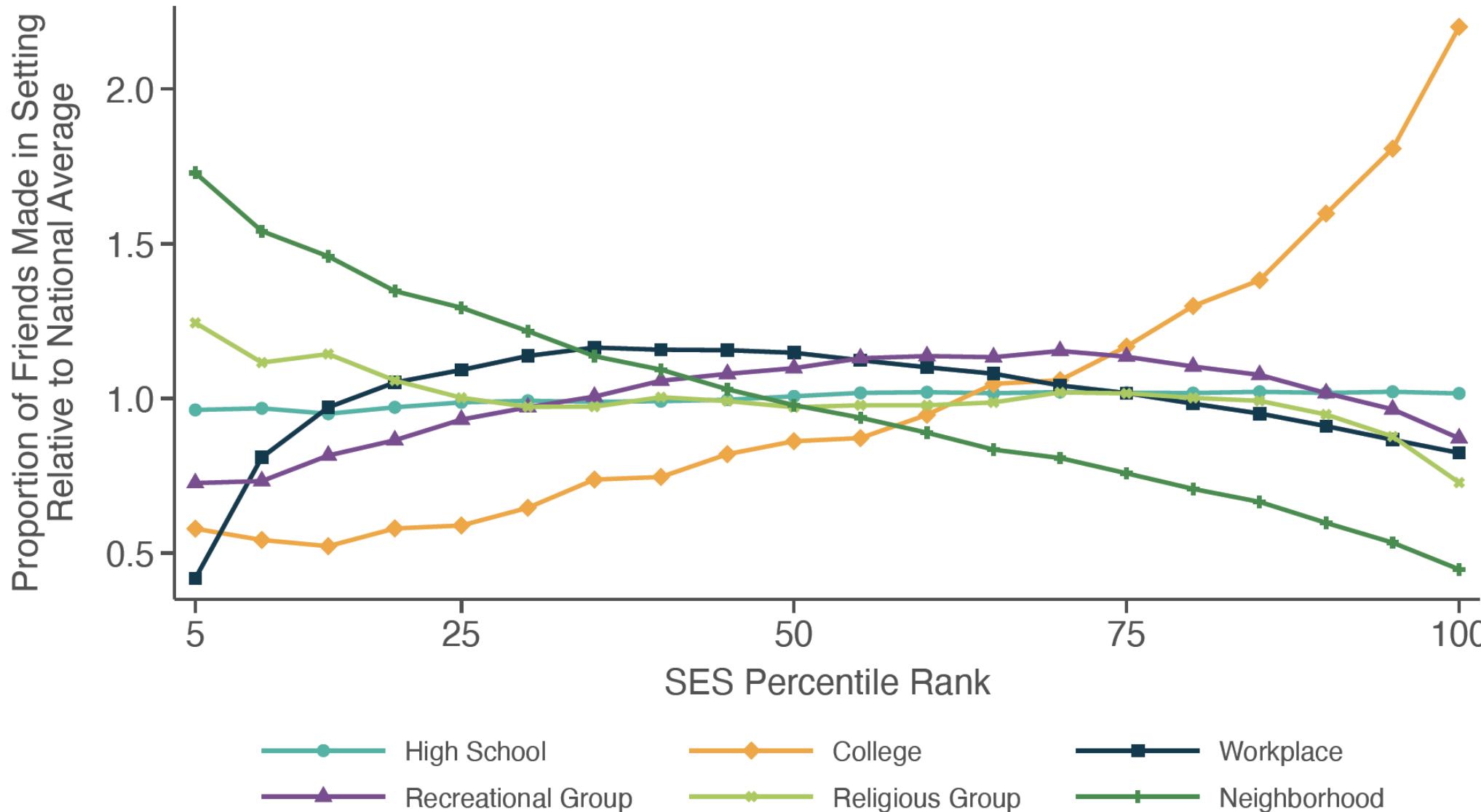
Friending Bias in High Schools vs. Racial Diversity

Bias Measured using Parental SES



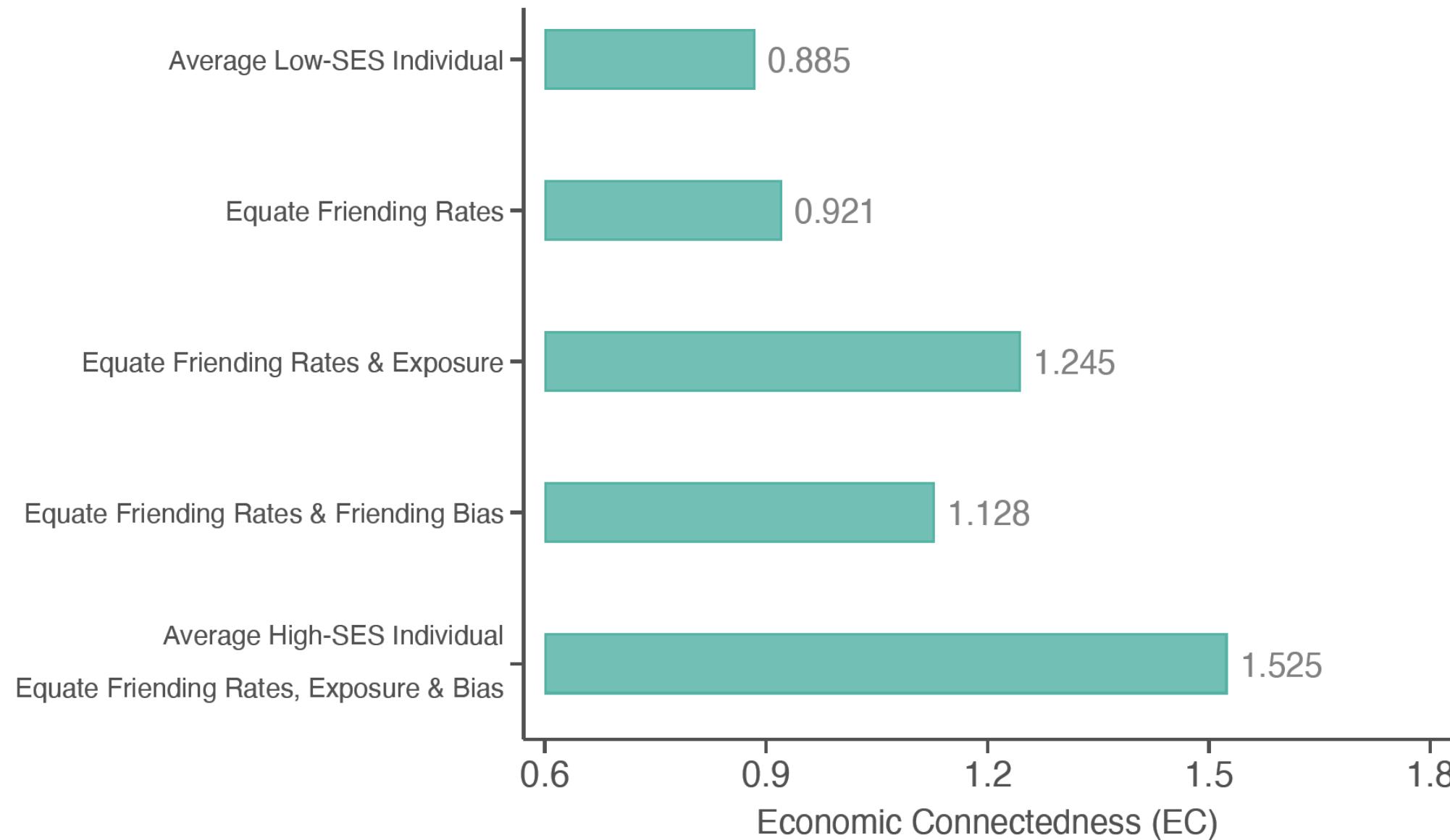
Friending Rates by Setting

Correcting for Underreporting of Group Memberships



Decomposing EC

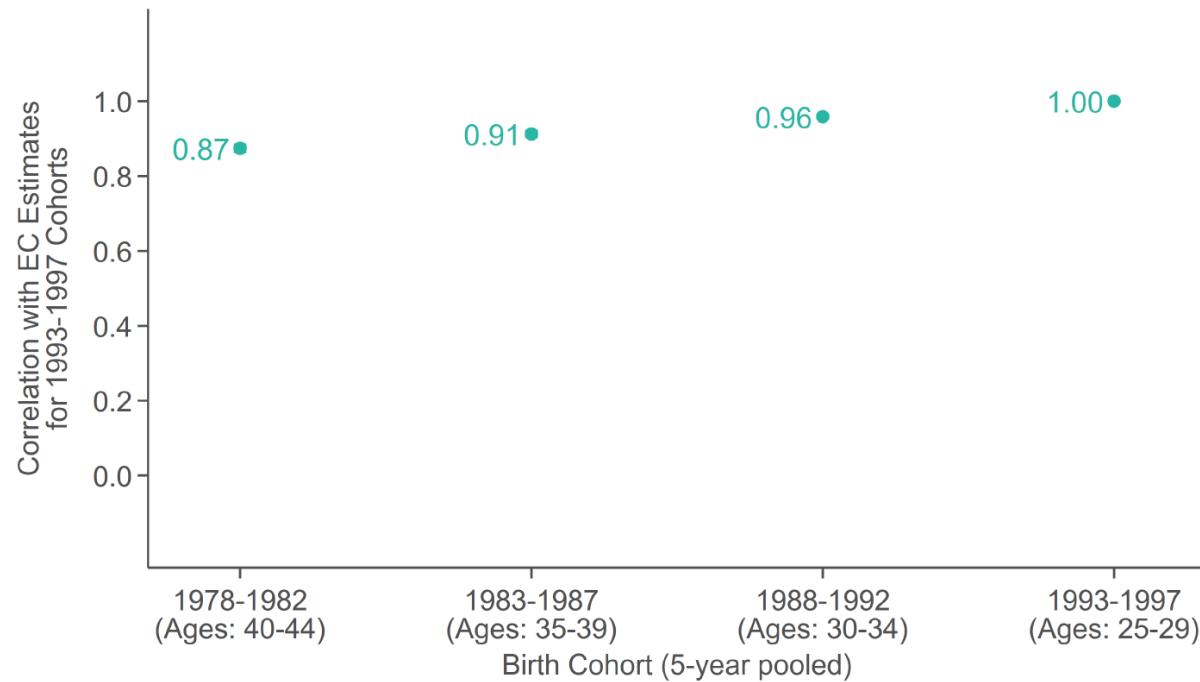
Correcting for Underreporting of Group Memberships



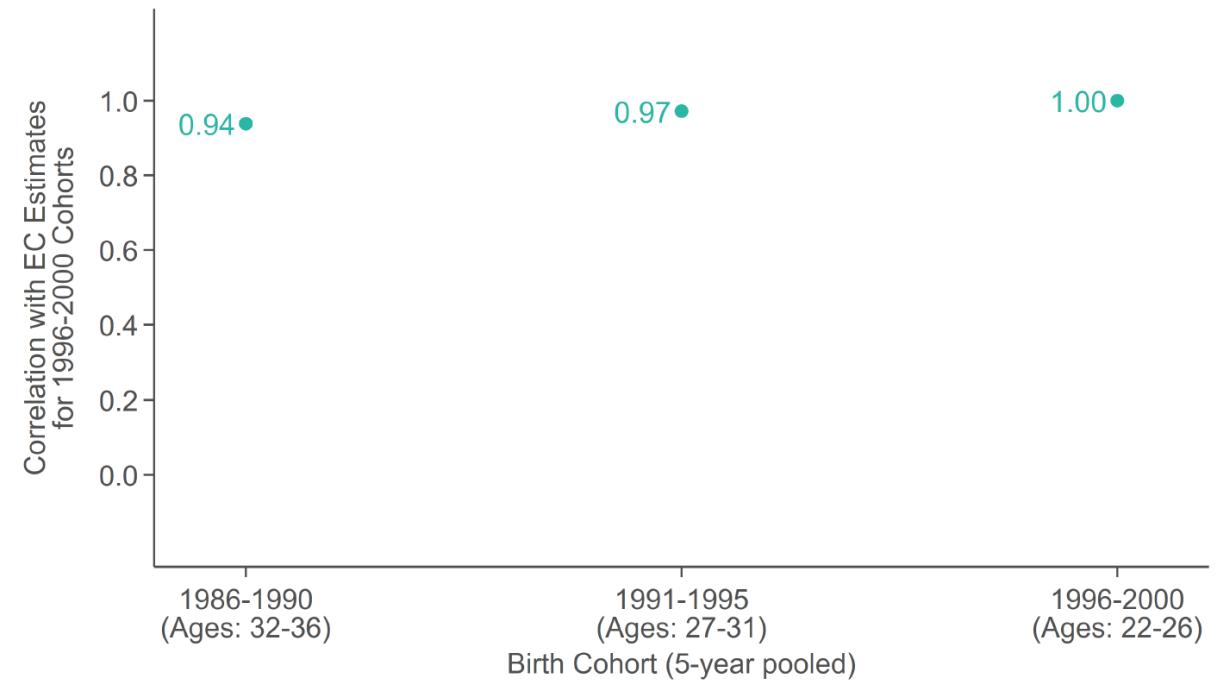
Autocorrelation of EC by Birth Cohort

Across High Schools

A. High Schools: Own SES



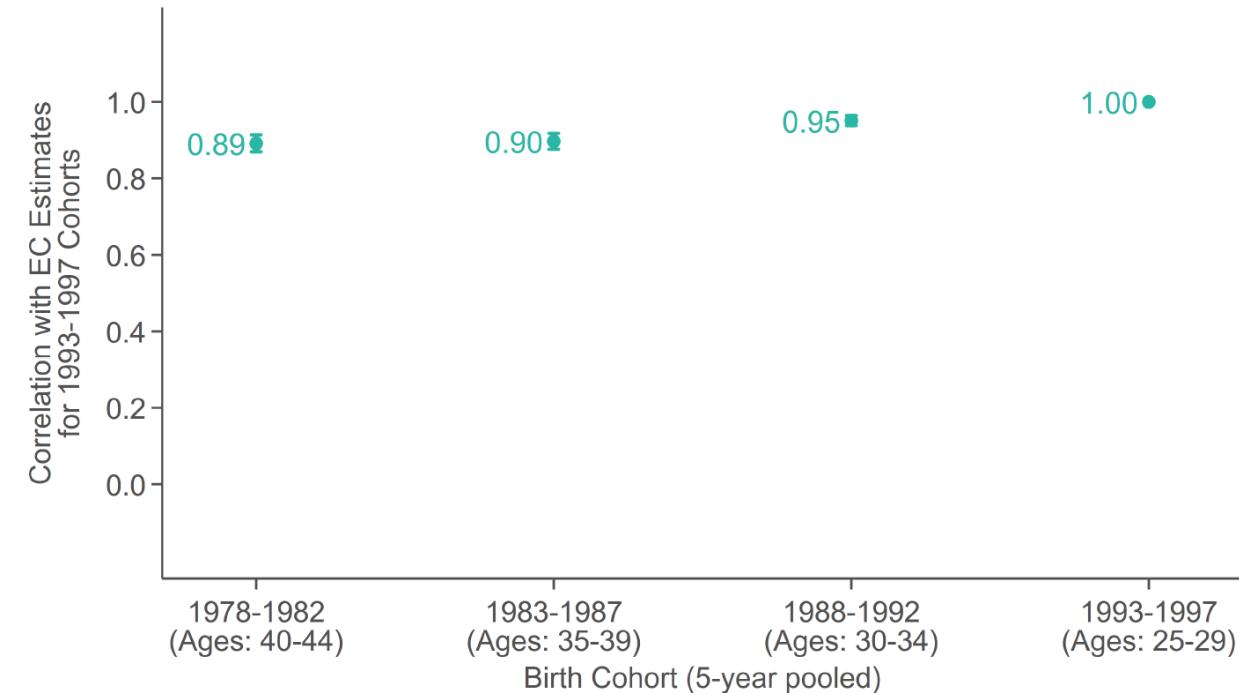
B. High Schools: Parental SES



Autocorrelation of EC by Birth Cohort

Across Colleges

C. Colleges: Own SES



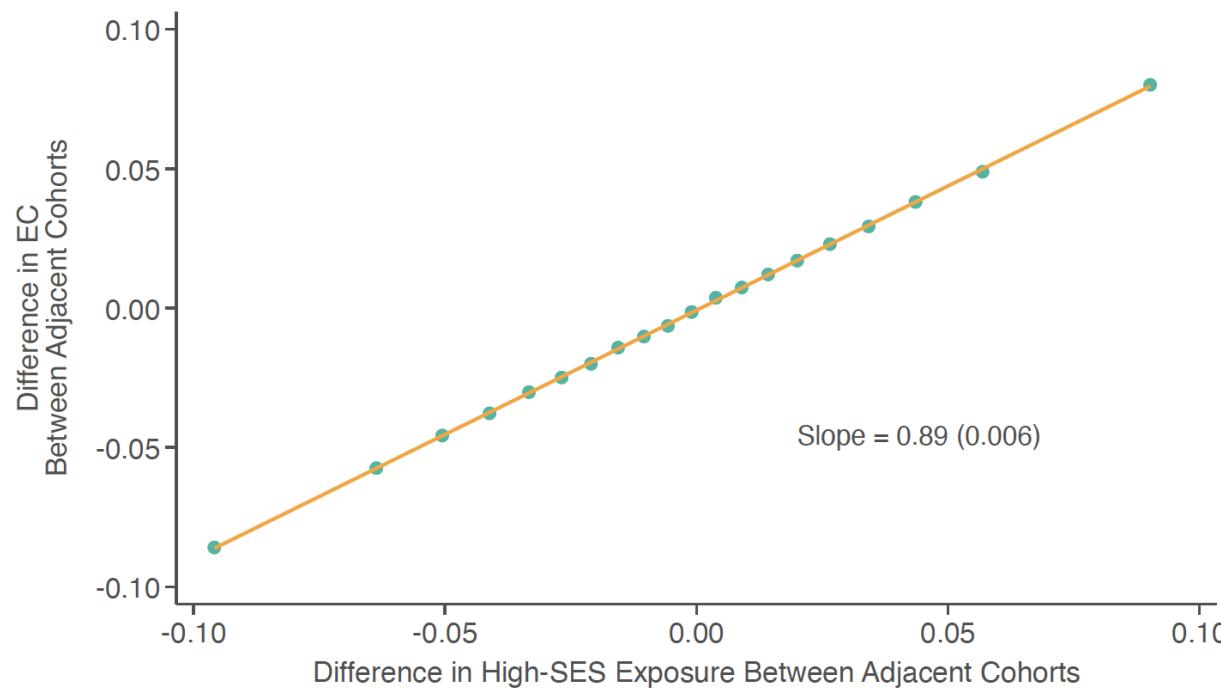
D. Colleges: Parental SES



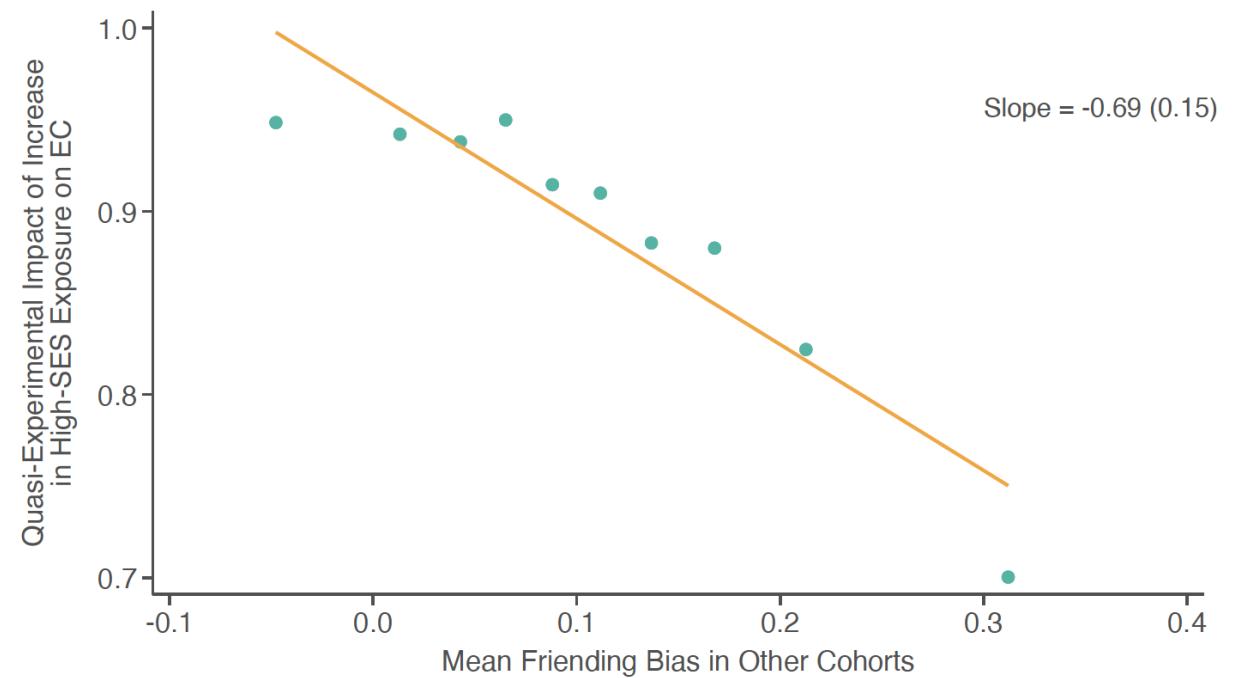
Causal Effects of Changes in Socioeconomic Integration on Economic Connectedness in High Schools: Sensitivity Analysis

Using First Differences

A. Cohort-Level Changes in Connectedness vs. Changes in Share of High-SES Students, Using First-Differences



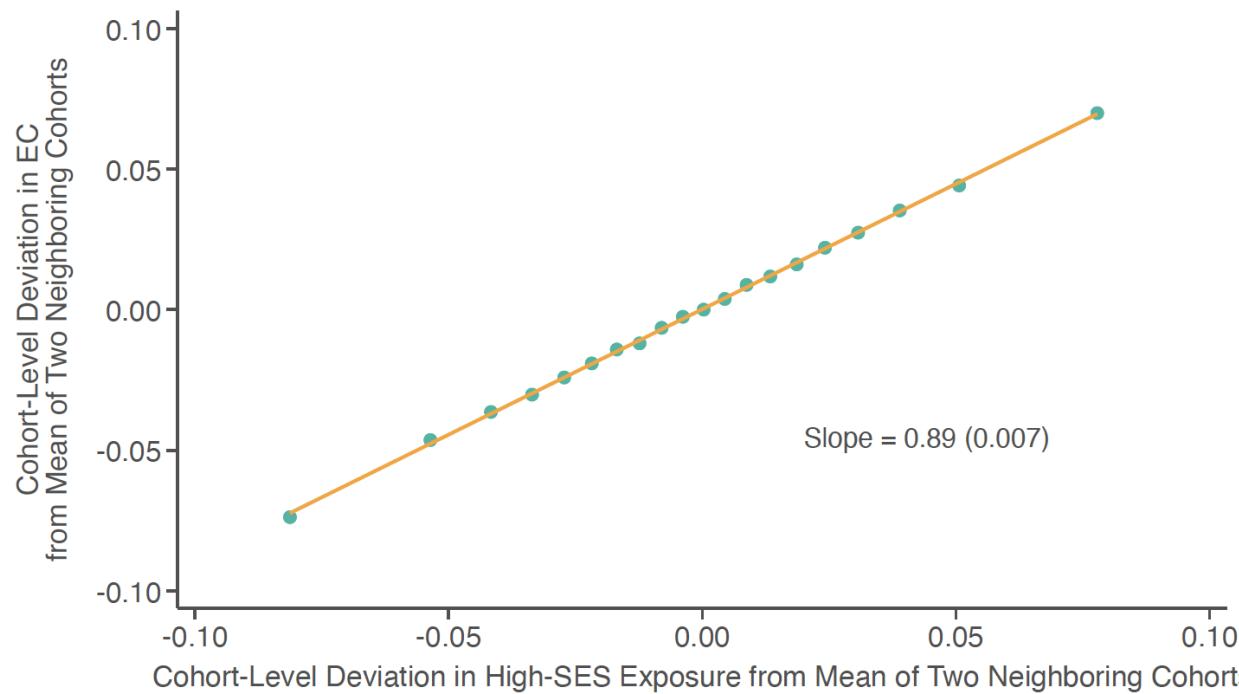
B. Causal Impact of High-SES Share on Connectedness by Level of Friending Bias, Using First-Differences



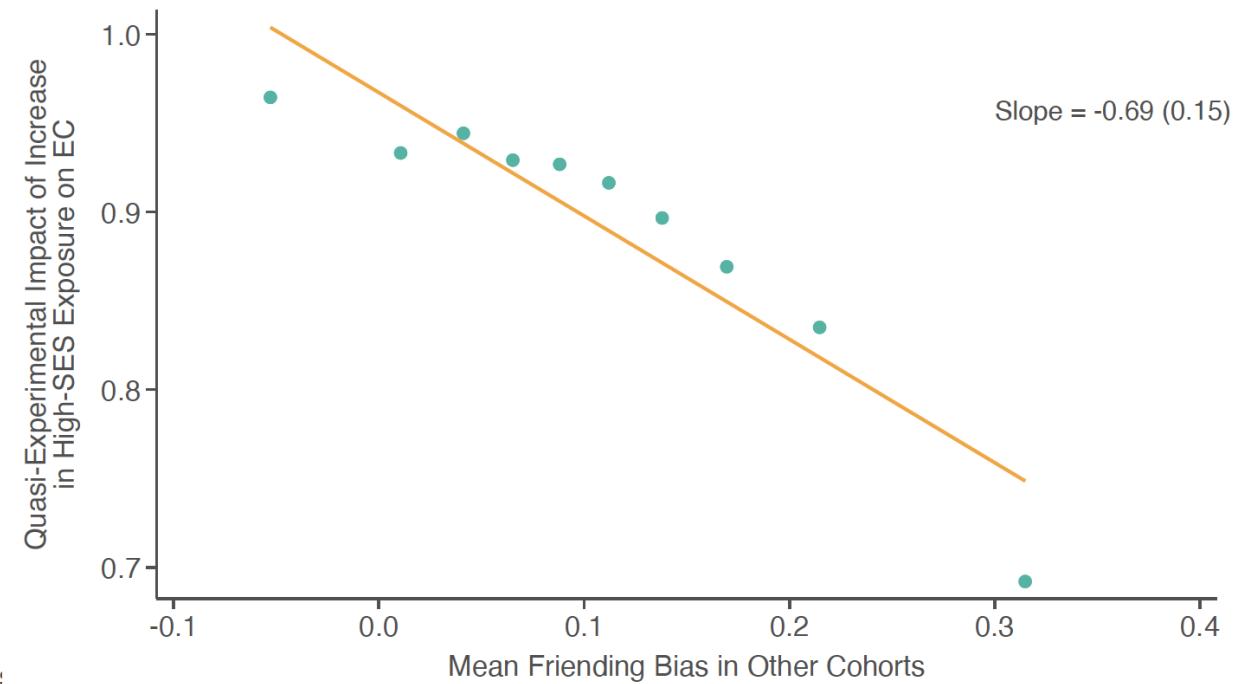
Causal Effects of Changes in Socioeconomic Integration on Economic Connectedness in High Schools: Sensitivity Analysis

Using Neighboring Cohorts

C. Cohort-Level Changes in Connectedness vs. Changes in Share of High-SES Students, Using Neighboring Cohorts



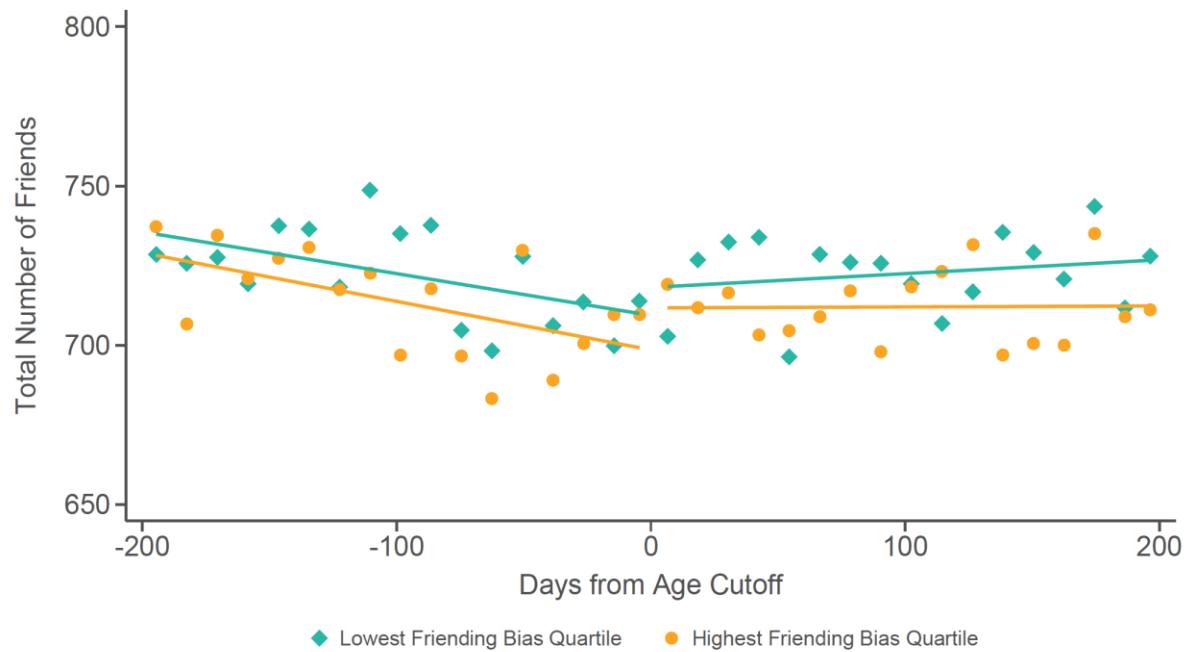
D. Causal Impact of High-SES Share on Connectedness by Level of Friending Bias, Using Neighboring Cohorts



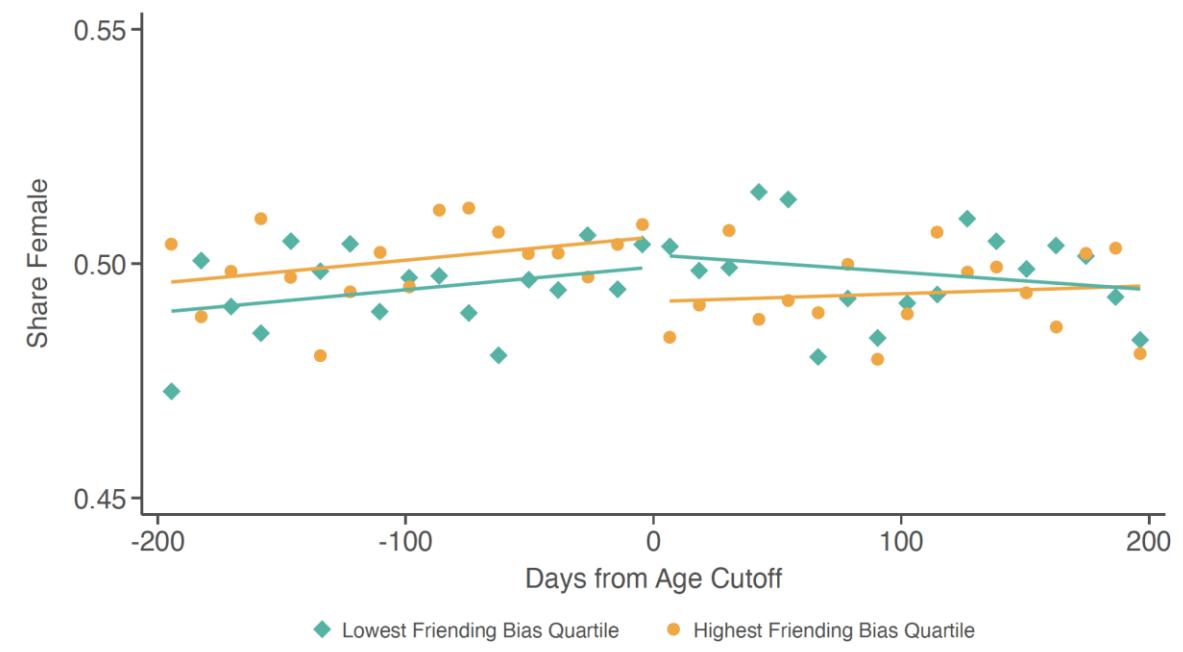
Balance Tests for RD Design

Number of Friends and Share Female

A. Number of Friends

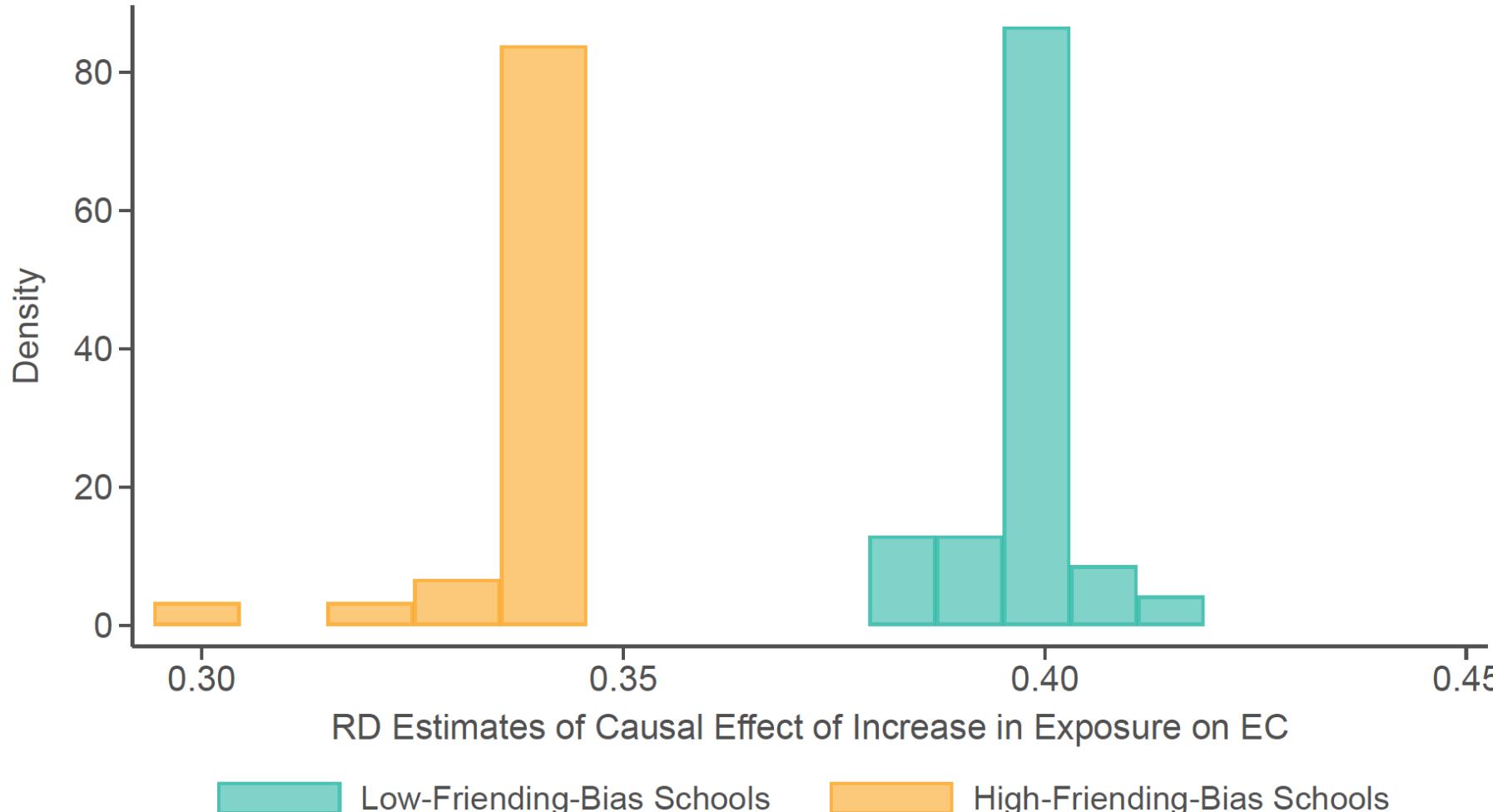


B. Share Female



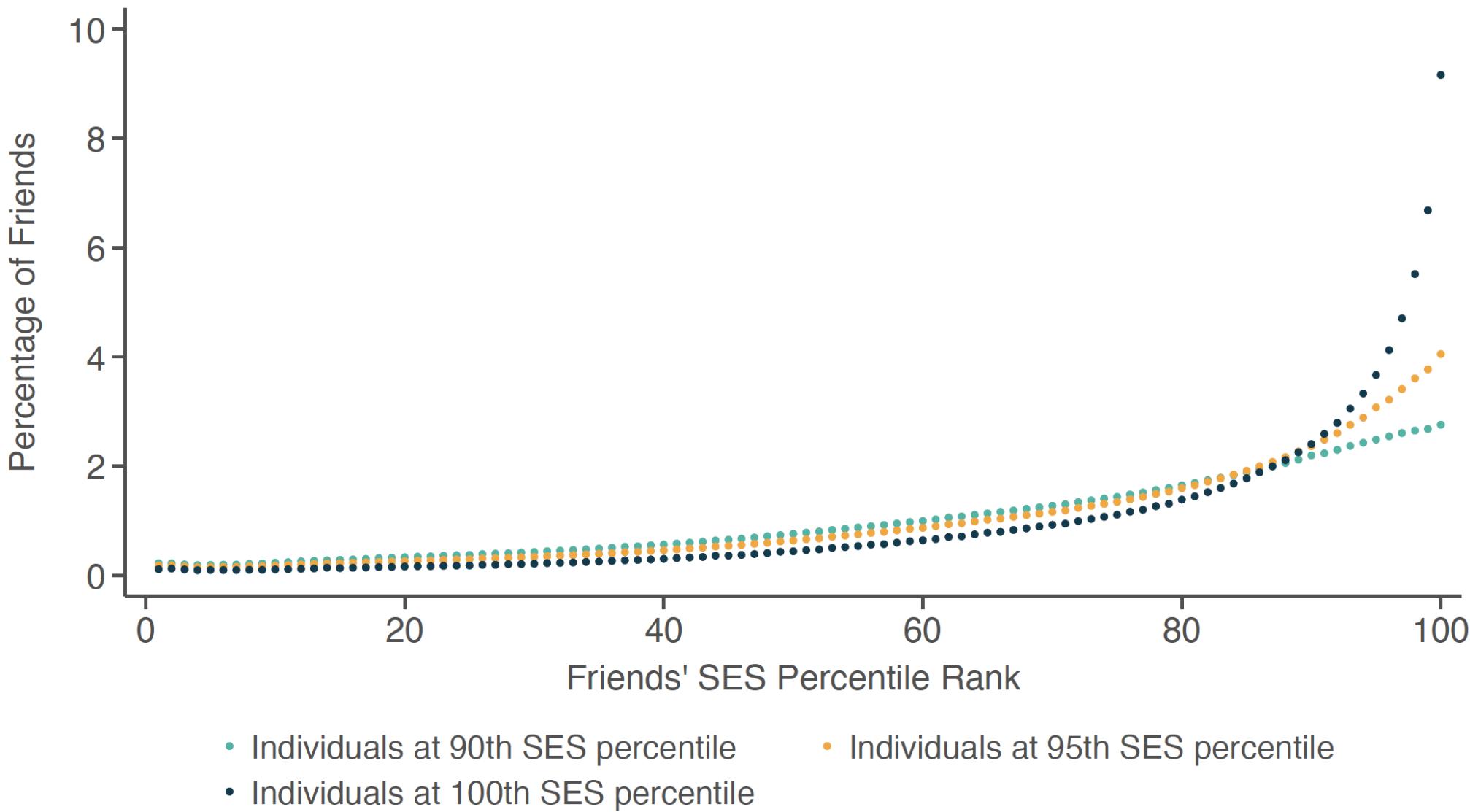
Causal Effects on Exposure on EC

Histogram of RD Estimates, Varying Bandwidth Around School Entry Cutoff



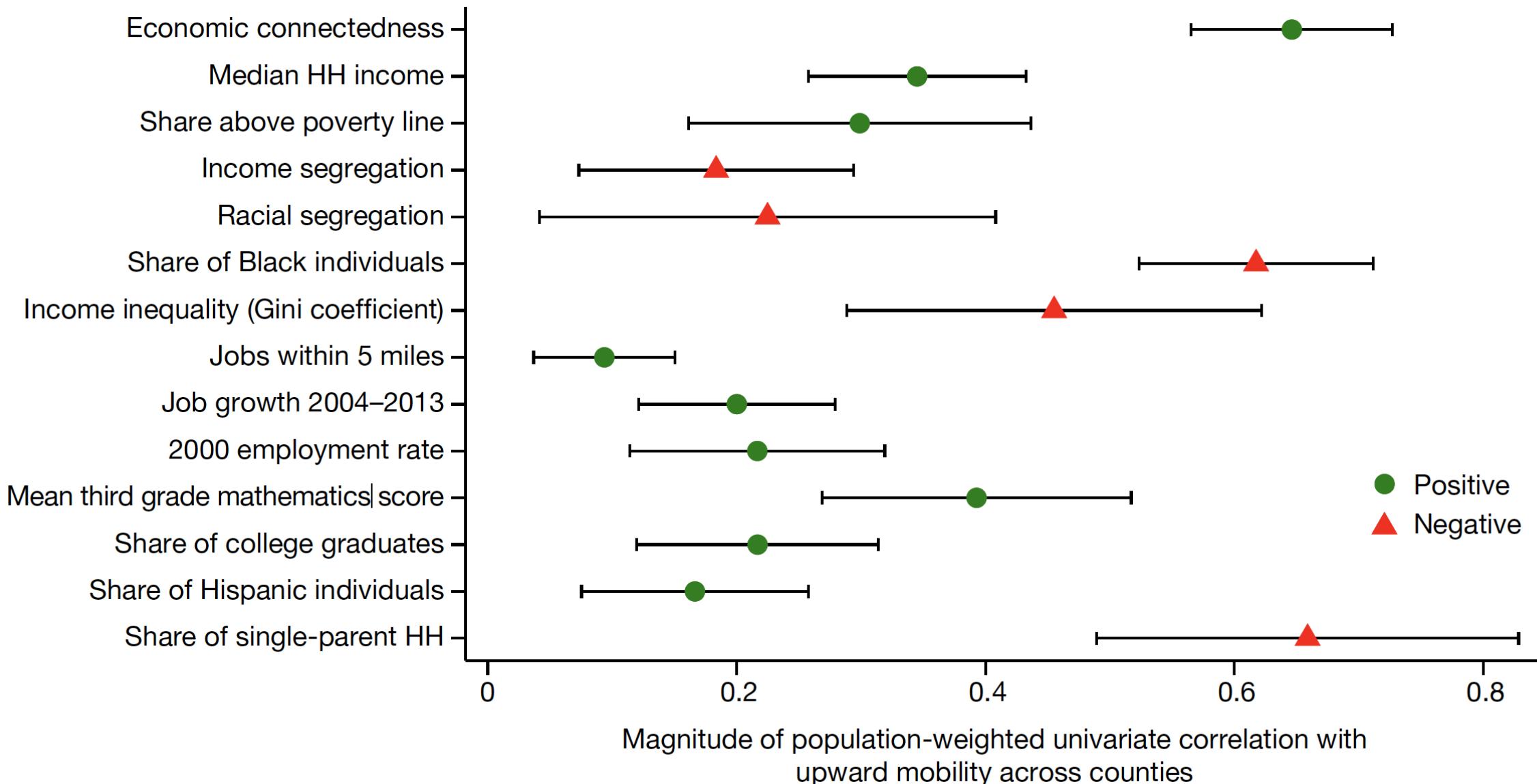
Proportion of Friendships by SES Percentile Rank

Proportion of Friends by SES Percentile Rank for Individuals in the Upper Tail



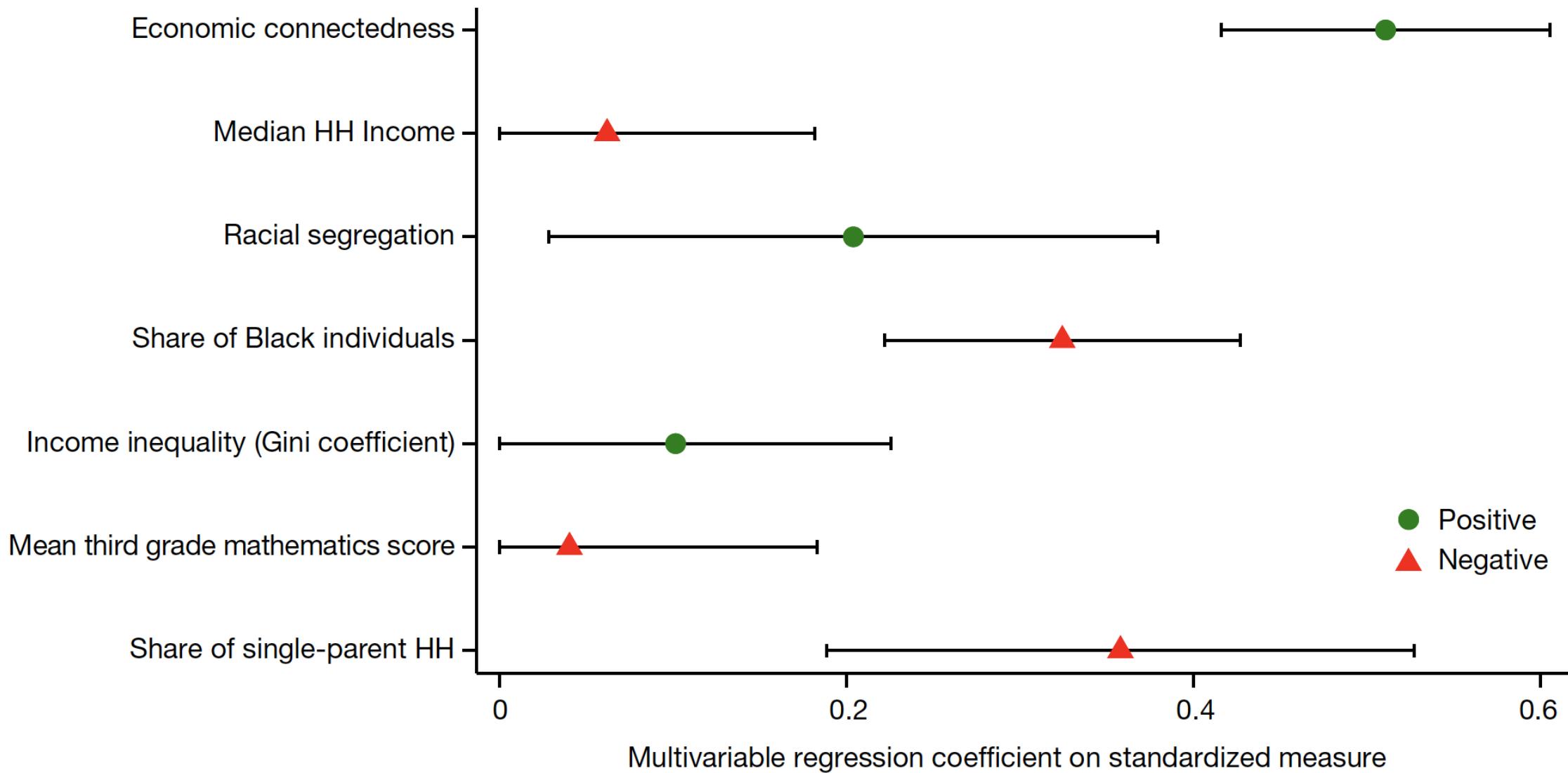
Correlations between Upward Mobility and Neighborhood Characteristics

County-level Univariate Correlations



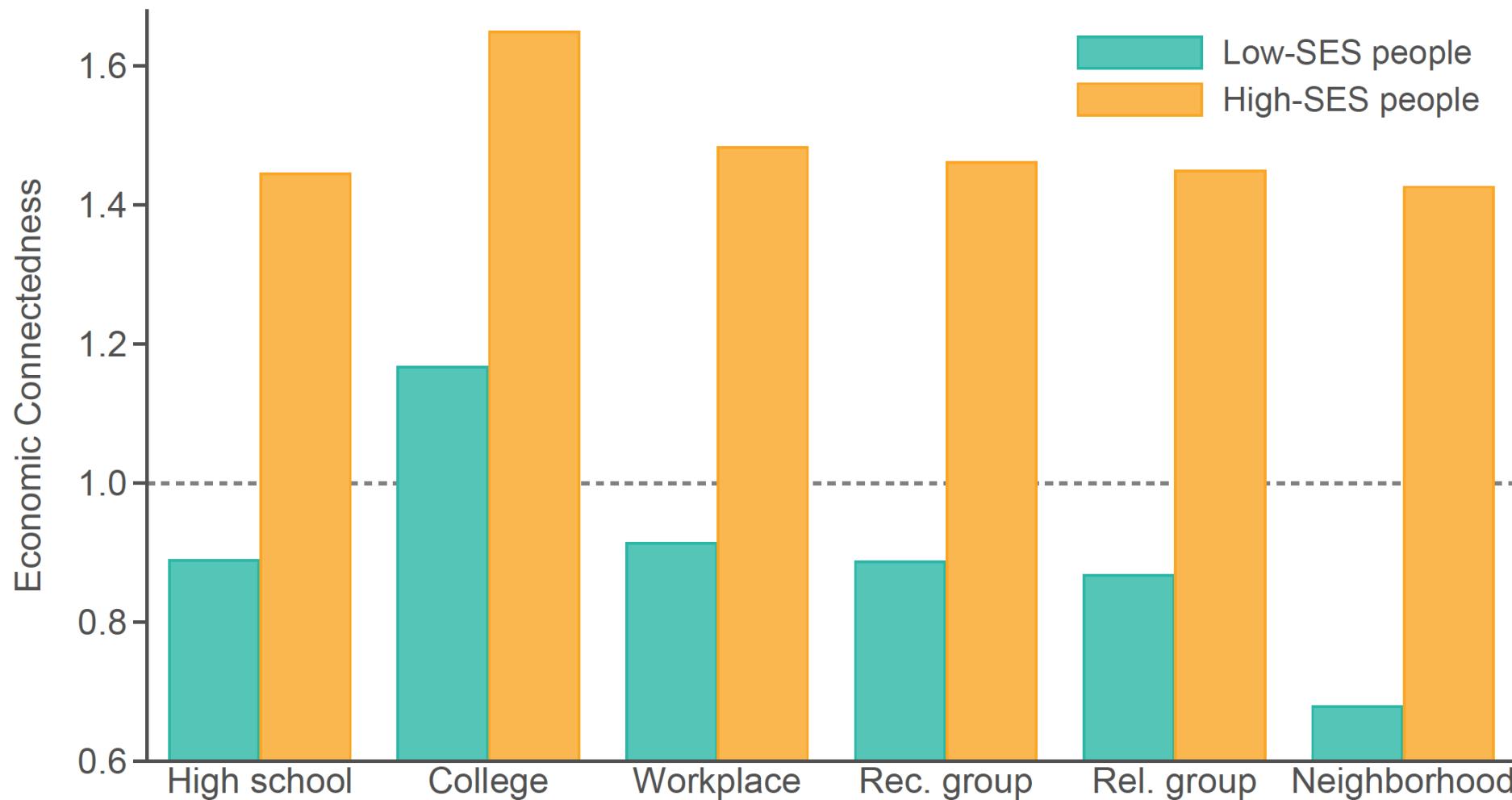
Correlations between Upward Mobility and Neighborhood Characteristics

County-level Multivariable Regression Coefficients



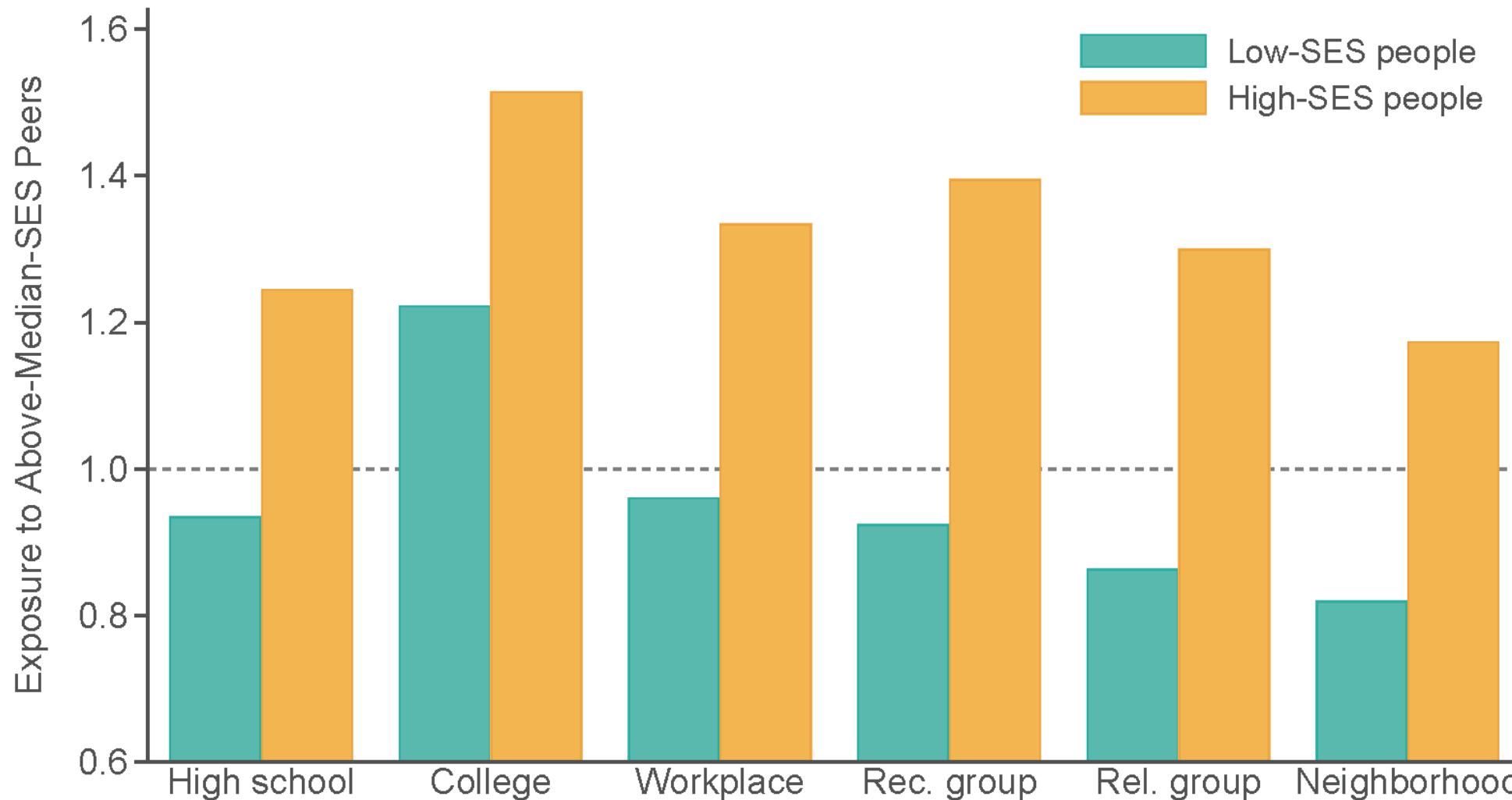
EC By Setting

Low-SES vs. High-SES People



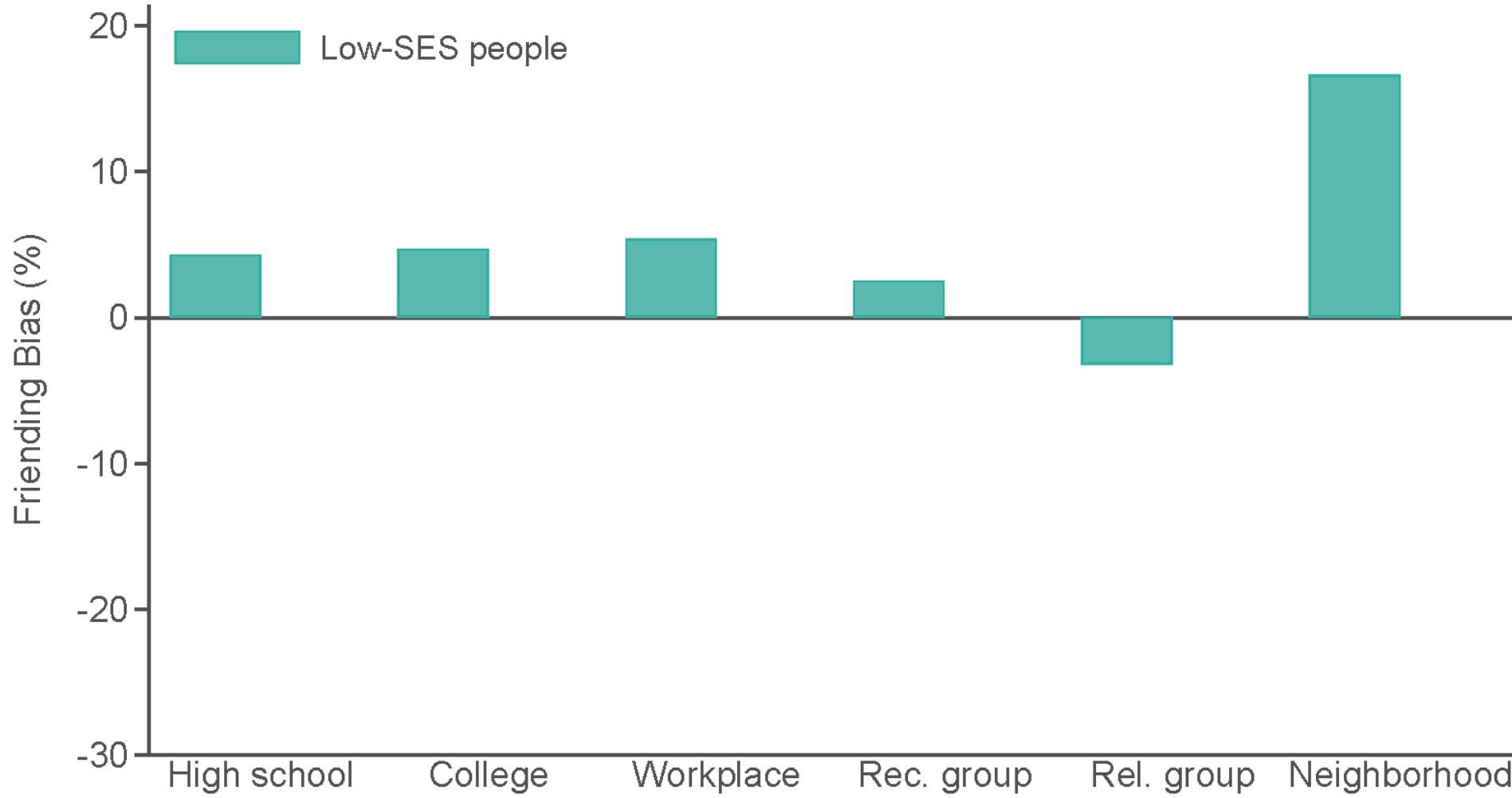
Exposure By Setting

Low-SES vs. High-SES People



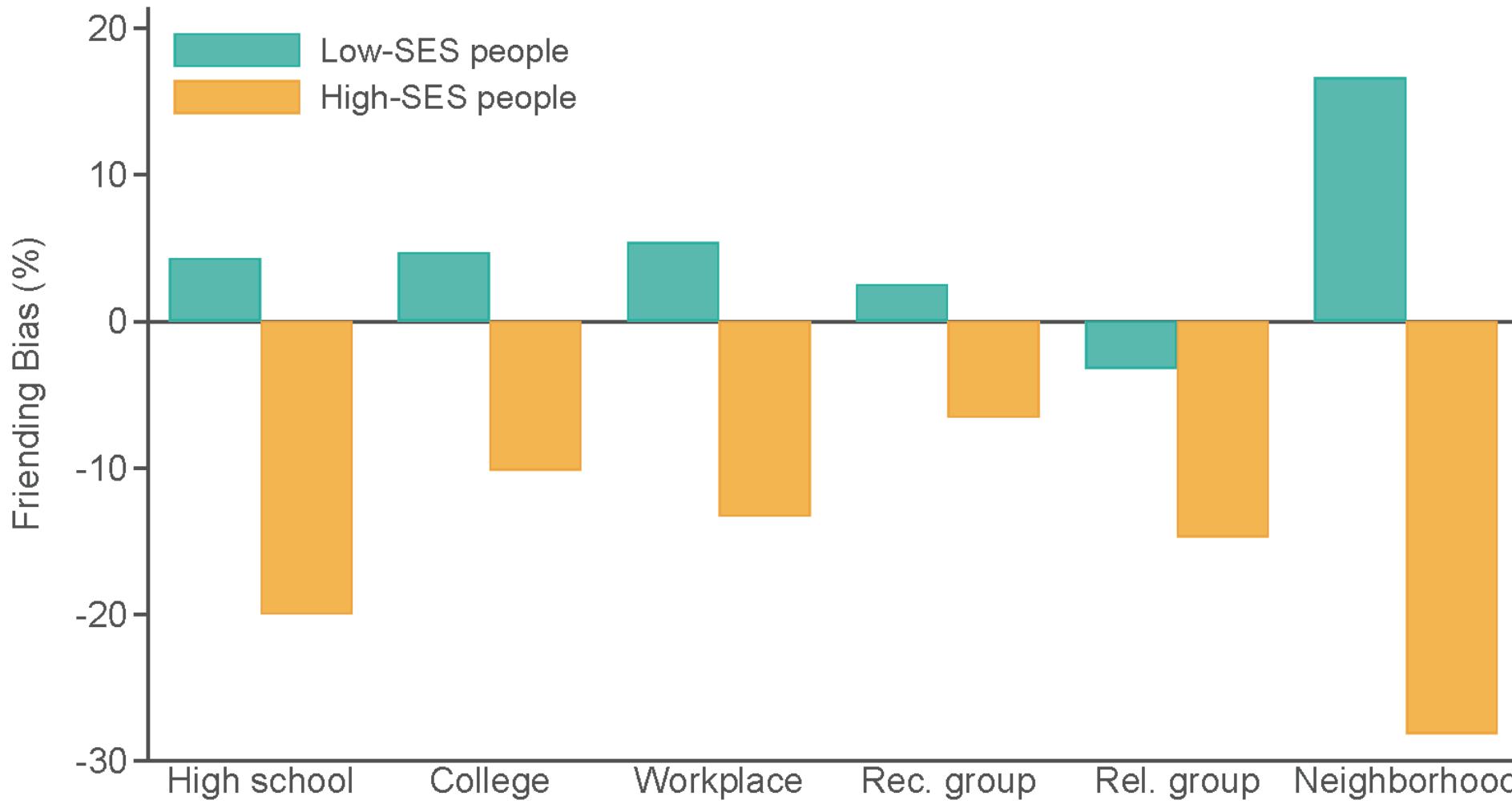
Friending Bias By Setting

Low-SES People



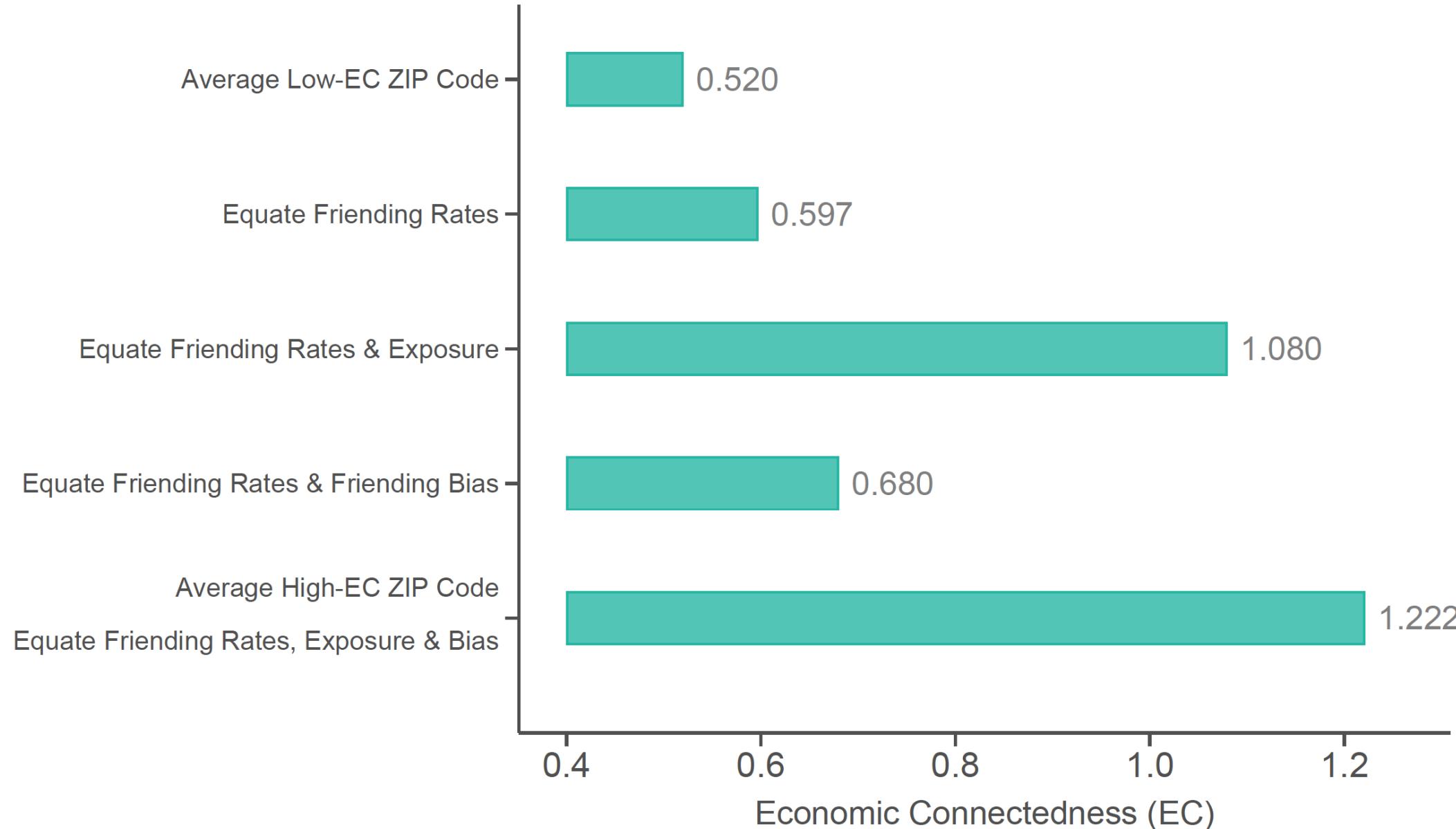
Friending Bias By Setting

Low-SES vs. High-SES People



Why Does Economic Connectedness Vary Across Areas?

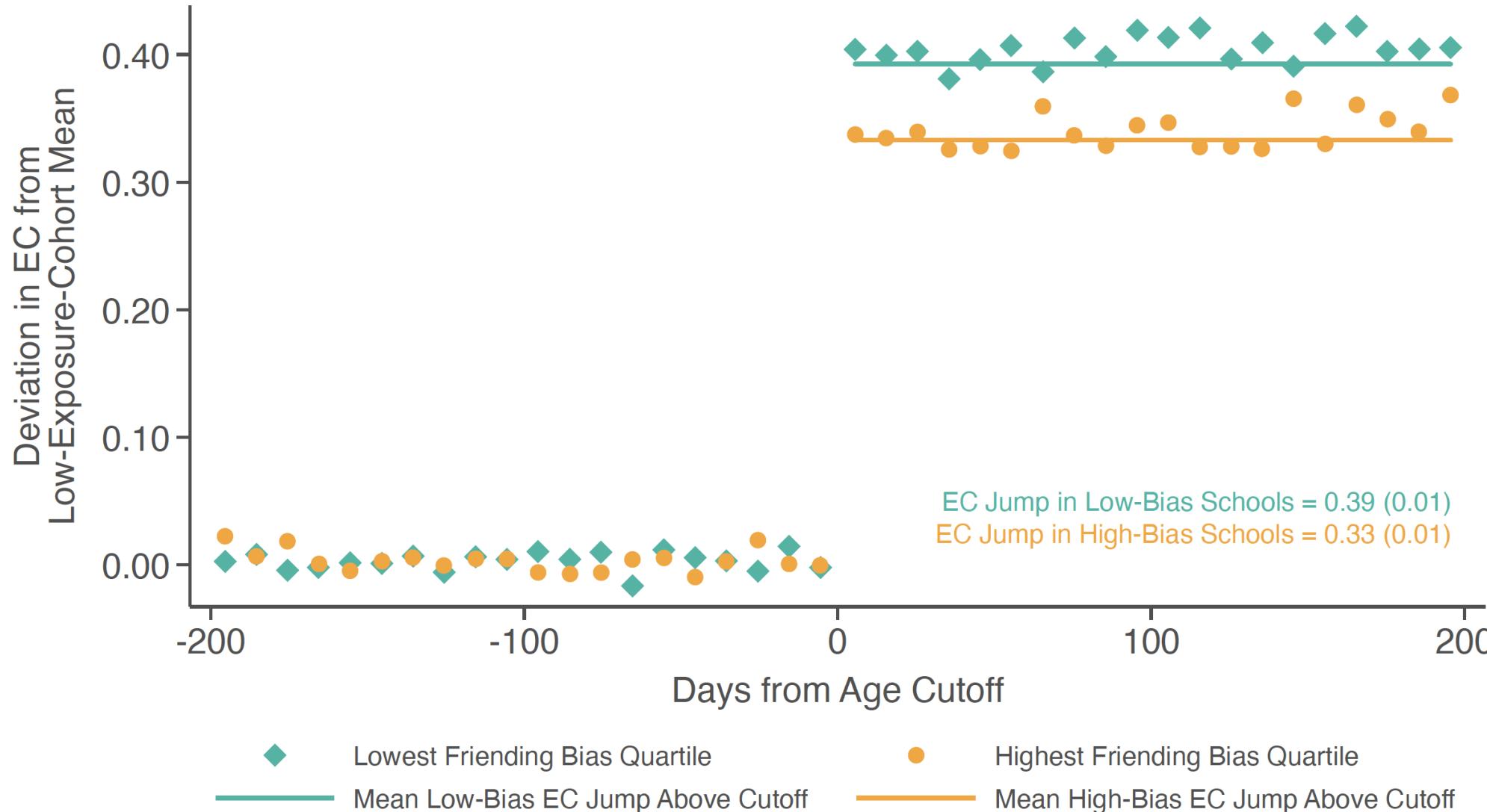
Low-EC vs. High-EC ZIP Codes



Causal Effects of Integration on Connectedness:

Regression Discontinuity

Changes in EC Around School Entry Cutoffs, by Friending Bias



Causal Effects of Integration on Connectedness: Regression Discontinuity

Impacts of Exposure on EC, by Friending Bias

