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Education

Harvard University

Ph.D. Economics, 2018 to 2024 (expected)

M.A. Economics, 2021

Macalester College

B.A., Economics and Applied Math, *cum laude*, 2016

Research Fields

Public Economics
Labor Economics

Teaching Fields

Public Economics
Labor Economics
Econometrics

References

Raj Chetty
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Larry Katz
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Jesse Shapiro
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Fellowships & Awards

Chae Family Economics Research Fund, Harvard Economics Department, 2023
Linda G. Hammett Ory Fellow, Harvard Education School, 2022
James M. and Cathleen D. Stone Scholar in Inequality, Harvard Kennedy School, 2021
Excellence in Teaching Award, Derek Bok Center, 2020 and 2021
Fellow, Spiegel Family Fund, 2020
Warburg Prize, Harvard Economics Department, 2020
Grant to Study Determinants of Life Expectancy (with Kaveh Danesh), NBER, 2017
Robert L. Bunting Prize in Economics, Macalester College, 2016
Best Undergraduate Paper, Minnesota Economics Association, 2014, 2015, and 2016
Academic All-Conference (Football), Midwest Athletic Conference, 2016

Teaching

Graduate Public Economics, Harvard, teaching fellow for Hunt Allcott, Raj Chetty, & Stefanie Stantcheva, 2020-2021
Residential Tutor, Harvard, John Winthrop House, 2019-2024
Intermediate Microeconomics, Macalester College, teaching assistant for Sarah West, 2014-2016
Econometrics, Macalester College, teaching assistant for Raymond Robertson, 2015

Research

Predoctoral Fellow for Raj Chetty, John Friedman, & Nathan Hendren, Stanford, 2016-2018
Research Assistant, Federal Reserve Bank of Chicago, 2015
Research Assistant to Raymond Robertson, Macalester College, 2014
In-game Strategy Research Consultant, NFL teams, 2015-2021

Job Market Paper “Segregation and Marriage” (with Jamie Gracie and Sonya Porter)

Americans rarely marry outside of their own race or class group. We use anonymized data covering nearly the entire U.S. population to study the sources of marital homophily by parental income, or “class,” and race, focusing on white-Black marriage. We distinguish between two explanations for marital homophily: a lack of exposure to people of different backgrounds versus a preference to marry within group. Despite similar levels of marital homophily by race and class, homophily by class is driven largely by residential segregation, whereas racial homophily is not. We analyze the role of residential segregation in partial equilibrium with an instrument for exposure based on race- and class-specific sex ratios in childhood neighborhoods. Increased exposure to opposite-sex members of other class groups leads to a substantial increase in interclass marriage, but increased exposure to other race groups has no detectable impact on white-Black interracial marriage. To quantify the impact of specific desegregation policies in general equilibrium, we develop and estimate a spatial model of the marriage market. Policies that reduce residential segregation can have large effects on interclass marriage with implications for the dynamics of income across generations.

Working Papers “Can Individualized Student Supports Improve Economic Outcomes for Children in High Poverty Schools?” (with Jamie Gracie and Sonya Porter)

How can we improve outcomes for low-income students? We analyze the adult earnings impacts of the largest comprehensive student support program in the US. Communities in Schools (CIS) places a “navigator” in high-poverty schools who provides an integrated system of supports to students, including academic (e.g., tutoring), economic (e.g., access to food assistance, housing), and mentoring. In 2023, CIS worked with 1.8 million students in 3,750 schools. Using later-treated CIS schools as a control, we estimate that four years of exposure to CIS generates a \$1,500 (6% of control mean) increase in earnings at age 30. Effects are larger for students from low-income families and are driven by a reduction in non-employment and an increase in the probability of having a low-paying job. Each child exposed to four years of CIS is expected to pay an additional \$10,000 in taxes between ages 18-65, which compares favorably to the program cost. Our results are relevant for the growing community school movement and illuminate a possible path for improving economic mobility in low opportunity neighborhoods.

“Growing Class Gaps, Shrinking Race Gaps: Economic and Sociological Mechanisms Underlying Recent Trends in Intergenerational Mobility” (with Raj Chetty, Will Dobbie, Sonya Porter, and Crystal Yang)

We study the mechanisms underlying recent trends in economic opportunity using anonymized longitudinal data covering nearly the entire U.S. population. We first document a pattern of growing white class gaps and shrinking race gaps in intergenerational mobility. For white children born between 1978 and 1992, intergenerational mobility fell substantially, with improving outcomes for white children from high-income families and deteriorating outcomes for white children from low-income families (growing class gaps). Outcomes for Black children improved across all parental income levels in the same birth cohorts, leading to a declining Black-white earnings gap for children from low-income families (shrinking race gaps). These different trends by race and class are not explained by changes in observable family characteristics and occur even for children living in the same Census tracts, indicating that the different trends are driven by shocks that affect race and class groups differently in the same area. We then explore the forces underlying these race and class shocks, showing that county- and group-level changes in intergenerational mobility are closely linked to county- and group-level changes in parent employment rates. Quasi-experimental estimates based on children who move across counties show that spending an additional year of childhood in a county where parent employment rates in one's race and class group are declining has negative effects on earnings in adulthood. These childhood exposure effects suggest that changes to parent employment rates impact child outcomes by changing the neighborhood environment, not through shared labor market shocks. Nearly all of the declining race gaps and expanding

white class gaps in intergenerational mobility at the national level can be explained by the different changes in childhood environment across race and class groups, with low-income white parents experiencing the largest employment declines during the period we study.

“What Explains Temporal and Geographic Variation in the Early US Coronavirus Pandemic?”
(with Hunt Allcott, Levi Boxell, Jacob Conway, Billy Ferguson, Matthew Gentzkow)

We provide new evidence on the drivers of the early US coronavirus pandemic. We combine an epidemiological model of disease transmission with quasi-random variation arising from the timing of stay-at-home-orders to estimate the causal roles of policy interventions and voluntary social distancing. We then relate the residual variation in disease transmission rates to observable features of cities. We estimate significant impacts of policy and social distancing responses, but we show that the magnitude of policy effects is modest, and most social distancing is driven by voluntary responses. Moreover, we show that neither policy nor rates of voluntary social distancing explain a meaningful share of geographic variation. The most important predictors of which cities were hardest hit by the pandemic are exogenous characteristics such as population and density.

Publications	Goldman, Benjamin, Thomas Klier, and Thomas Walstrum. "Within-industry agglomeration of occupations: Evidence from census microdata." <i>Journal of Regional Science</i> 59.5 (2019): 910-930.
Papers in Progress	<p>“The Effect of the Minimum Wage on Low-Wage Workers” (with Harvey Barnhard and Sonya Porter)</p> <p>“The Effect of Low-level Arrests on the Early-life Trajectory of Urban Youth” (with Jonathan Tebes)</p> <p>“Leveraging Mixed Methods to Understand Economic and Sociological Mechanisms Underlying Recent Changes in Intergenerational Mobility” (with Raj Chetty and Stefanie DeLuca)</p>
Academic Service	<p>Referee for <i>Quarterly Journal of Economics</i>, <i>Journal of Public Economics</i>, <i>Journal of Political Economy: Microeconomics</i>, <i>Review of Economics and Statistics</i>, <i>Journal of Urban Economics</i></p> <p>Organized the labor/public graduate workshop, Harvard, 2022</p>