

SAM TREJO

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RESEARCH INTERESTS

Social Science Genomics – Social Demography – Human Development
Education & Health Policy – Causal Inference – Quantitative Methods

EDUCATION

Ph.D. Sociology & Education, Economics & Education 09/2016 – 06/2020
Dissertation: *Social, Environmental, and Genetic Influences on Human Development* (Expected)
Committee: Benjamin Domingue, Jeremy Freese, Brian Jacob, Tom Dee, and David Rehkopf
Stanford University

M.A. Sociology 09/2017 – 12/2019
Stanford University

M.A. Economics 09/2016 – 04/2019
Stanford University

B.A. Economics, Plan II Honors 08/2012 – 05/2016
Thesis: *An Econometric Analysis of the Major Choice of First-Generation College Students* [Paper]
University of Texas at Austin

POSITIONS

Instructor
Instructor of Record [Link] 10/2019 – Present
Stanford University, Department of Sociology and Graduate School of Education

Graduate Research Assistant 06/2018 – 12/2018
Research Assistant under Maya Rossin-Slater
National Bureau of Economic Research, Program on Children

Graduate Research Assistant 06/2017 – 09/2018
Research Assistant under Sean Reardon at the Educational Opportunity Project [Link]
Stanford University, Graduate School of Education

Graduate Research Assistant 09/2016 – Present
Research Assistant under Benjamin Domingue
Stanford University, Graduate School of Education

Undergraduate Research Assistant 06/2015 – 09/2015
Research Assistant under Kristopher Ramsay
Princeton University, Department of Politics

HONORS & AWARDS

National Science Foundation Graduate Research Fellowship \$138,000/3 years 06/2017 – Present
Institute of Education Sciences Graduate Research Fellowship \$120,000/4 years 09/2016 – Present
Stanford Enhancing Diversity in Graduate Education Fellowship \$7,300/4 years 09/2016 – Present
University of Texas Daniel Hamermesh Thesis Prize in Economics \$1,500 05/2016

RESEARCH & WRITING

* denotes joint first authorship

Published and Forthcoming

- 2020 Emma Armstrong-Carter*, **Sam Trejo***, Liam Hill, Kirsty Crossley, Dan Mason, and Benjamin W. Domingue. “The Earliest Origins of Genetic Nurture: Prenatal Environment Mediates the Association Between Maternal Genetics and Child Development.” (Forthcoming at *Psychological Science*) [[Paper](#)]
- 2019 **Sam Trejo** and Benjamin W. Domingue. “Genetic Nature or Genetic Nurture? Introducing Social Genetic Parameters to Quantify Bias in Polygenic Score Analyses.” *Biodemography and Social Biology* 64(3-4): 187-215. [[Paper](#)]
- 2019 Daphne Martschenko*, **Sam Trejo***, and Benjamin W. Domingue*. “Genetics and Education: Recent Developments in the Context of an Ugly History and an Uncertain Future.” *AERA Open* 5: 1-15. [[Paper](#)] {Media Coverage: [Stanford News](#), [American Educational Research Association](#)}
- 2018 **Sam Trejo**, Daniel W. Belsky, Jason D. Boardman, Jeremy Freese, Kathleen Mullan Harris, Pamela Herd, Kamil Sicinski, and Benjamin W. Domingue. “Schools as Moderators of Genetic Associations with Life Course Attainments: Evidence from the WLS and Add Health.” *Sociological Science* 5: 513-540. [[Paper](#)]

Working Papers

- 2019 Maya Rossin-Slater, Molly Schnell, Hannes Schwandt, **Sam Trejo**, and Lindsey Uniat. “The Effects of U.S. School Shootings on Youth Antidepressant Use.” (Under Review) [[Paper](#)] {Media Coverage: [Washington Post](#), [Los Angeles Times](#), [The Hill](#)}

Resting Papers

- 2019 Jeremy Freese, Ben Domingue, Kamil Sicinski, **Sam Trejo**, Pam Herd. “Problems with a Causal Interpretation of Polygenic Score Differences between Jewish and non-Jewish Respondents in the Wisconsin Longitudinal Study.” [[Paper](#)]

Manuscripts in Preparation

Sam Trejo, Gloria Yeomans-Maldonado, Brian Jacob, Eric Schwartz, and Jacob Abernethy. “The Health and Social Effects of the Flint Water Crisis on Educational Outcomes.” [[Extended Abstract](#)]

Sam Trejo. “Exploring Molecular Genetic Influences on Prenatal Development: Evidence from a Genotyped Panel of Mothers and Children.” [[Extended Abstract](#)]

Rebecca Johnson, **Sam Trejo**, Jeremy Freese, and Benjamin W. Domingue. “Precision Medicine and Black-White Health Disparities” [[Extended Abstract](#)]

Sam Trejo*, Amelie Baud*, Peter Barr*, Jessica Salvatore, Kathleen Mullan Harris, Benjamin W. Domingue, and Danielle M. Dick. “Unpacking Peer Social Genetic Effects in Adolescence: Evidence from Two Genetically Informed Longitudinal Surveys.” [[Abstract](#)]

Opinion

- 2020 **Sam Trejo**. “Here’s why I donated my kidney to a stranger.” *Los Angeles Times*. [[Article](#)]

GRANTS & PROJECTS

- Pilot Grant** – \$24,000 01/2019 – 01/2021
Stanford Center on the Demography and Economics of Health and Aging
“Exploring Molecular Genetic Influences on Prenatal Development: Evidence from a Genotyped Panel of Mothers and Children.”
– Wrote proposal alongside Principal Investigator Benjamin Domingue
- Confidential Data Request** 08/2018 – 08/2020
Michigan Department of Education
“Lead Achievement Gaps and Insights for Remediation: Evidence from the Flint Water Crisis”
– Principal Investigator

TEACHING EXPERIENCE

- Causal Inference in Quantitative Educational and Social Science Research** 01/2020 – 04/2020
Instructor of Record
Stanford University, Graduate School of Education and Department of Sociology
- Applied Econometrics for Public Policy** 01/2019 – 04/2019
Teaching Assistant under Stephan Seiler
Stanford University, Program in Public Policy
- Introduction to Microeconomics** 07/2015 – 05/2016
Teaching Assistant under Daniel Hamermesh
University of Texas at Austin, Department of Economics
- Introduction to Microeconomics** 07/2014 – 05/2015
Teaching Assistant under Stephanie Houghton
University of Texas at Austin, Department of Economics

INVITED PRESENTATIONS

- Michigan State University Division of Public Health Invited Speaker Series** 11/2018
“Evidence from Flint, Michigan on the Effects of Lead in Drinking Water on Academic Achievement”
Flint, MI

CONFERENCE PAPER PRESENTATIONS

- Population Association of America Annual Meeting** 04/2020
“Exploring Molecular Genetic Influences on Prenatal Development”
Washington, DC
- Association for Public Policy Analysis and Management Annual Meeting** 11/2019
“The Effects of Lead in Drinking Water on Education Outcomes: Evidence from the Flint Water Crisis”
Denver, CO
- Integrating Genetics and Social Science Conference** 10/2019
“Exploring Molecular Genetic Influences on Prenatal Development”
Boulder, CO
- Integrating Genetics and Social Science Conference** 10/2018
“Genetic Nature or Genetic Nurture? Quantifying Bias in Analyses Using Polygenic Scores”
Boulder, CO

Interdisciplinary Association of Population Health Sciences Annual Meeting “Genes in Context: G x E or Shifting Distributions?” Washington, DC	10/2018
Association for Psychological Science Annual Meeting “Schools as Moderators of Genetic Associations with Life Course Attainments” San Francisco, CA	05/2018
American Educational Research Association Annual Meeting “Exploring Opt-Out: Mapping the Heterogeneity of an Educational Movement” New York, NY	04/2018
Integrating Genetics and Social Science Conference “Schools as Moderators of Genetic Associations with Life Course Attainments” Boulder, CO	10/2017

TRAINING WORKSHOPS

Summer Institute on Biological Approaches in the Social Sciences Russell Sage Foundation and Northwestern University, School of Education and Social Policy Evanston, IL	06/2019
Panel Study of Income Dynamics Data User Workshop Inter-University Consortium for Political and Social Research Ann Arbor, MI	06/2018
Summer Institute in Social Science Genomics Russell Sage Foundation and Social Science Genomics Association Consortium Santa Barbara, CA	06/2017
Summer Workshop on Formal Demography University of California, Berkeley, Department of Demography Berkeley, CA	06/2017

PROFESSIONAL ACTIVITIES

Referee: American Sociological Review, Educational Researcher, Nature Scientific Reports	
Discussant: Association for Public Policy Analysis and Management Annual Meeting	
Member: American Educational Research Association, Population Association of America, Interdisciplinary Association for Population Health Sciences, Association For Policy Analysis and Management	

UNIVERSITY SERVICE

Graduate Student Representative Stanford Interdisciplinary Doctoral Program in Education Policy (SHIPS) – Represent graduate student perspective in faculty meetings	09/2018 – Present
Academic Pre-Major Adviser Stanford University – Advise undergraduates in formulating academic goals and selecting a field of study	09/2017 – 09/2018