

SAM TREJO

(512) 804-8185 – samtrejo@stanford.edu – @trejosamtrejo – www.samtrejo.com

RESEARCH INTERESTS

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

POSITIONS

Assistant Professor of Public Affairs & Sociology 08/2020 – Present
University of Wisconsin–Madison

Instructor of Sociology & Education 10/2019 – 06/2020
Stanford University [[Link](#)]

Graduate Research Assistant
National Bureau of Economic Research 06/2018 – 12/2018
Educational Opportunity Project [[Link](#)] 06/2017 – 09/2018
Stanford University, Graduate School of Education 09/2016 – 06/2020

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

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–Austin

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. “Local Exposure to School Shootings and Youth Antidepressant Use .” (Revise & Resubmit at the *Proceedings of the National Academy of Sciences*) [[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](#)]

Marissa Thompson* and **Sam Trejo***. “The Effect of Information on Parental Preferences Regarding School Segregation: Evidence from a Survey Experiment.” [[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

- Understanding Parental Attitudes Towards School Segregation** – \$2,000 01/2020 – 01/2021
Stanford Center for American Democracy
P.I.s Marissa Thomson and Sam Trejo
- Genomic Influences of Prenatal Development** – \$24,000 01/2019 – 06/2020
Stanford Center on the Demography and Economics of Health and Aging
P.I.s Benjamin Domingue and Jeremy Freese
(note: Sam Trejo played a large role in writing this grant)
- Learning from Flint** – Confidential Data Request 08/2018 – 08/2020
Michigan Department of Education
P.I. Sam Trejo
- Sociogenomics in the Wisconsin Longitudinal Study** – \$93,264 01/2017 – 12/2019
Russell Sage Foundation
P.I.s Benjamin Domingue, Jeremy Freese, and Pamela Herd
(note: Sam Trejo played small role in writing this grant)

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** 07/2014 – 05/2016
Teaching Assistant under Daniel Hamermesh and Stephanie Houghton
University of Texas–Austin, Department of Economics

INVITED LECTURES

- University of Wisconsin Department of Sociology and School of Public Affairs** 02/2020
“The Curious Consequences of Genetic Nurture: Making Social Scientific Inference Using Genomic Data”
Madison, WI
- 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 “The Effects of Lead in Drinking Water on Education Outcomes: Evidence from the Flint Water Crisis” Denver, CO	11/2019
Integrating Genetics and Social Science Conference “Exploring Molecular Genetic Influences on Prenatal Development” Boulder, CO	10/2019
Integrating Genetics and Social Science Conference “Genetic Nature or Genetic Nurture? Quantifying Bias in Analyses Using Polygenic Scores” Boulder, CO	10/2018
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, Economics & Human Biology, Educational Researcher, Nature Scientific Reports, npj Science of Learning

Discussant: Association for Public Policy Analysis and Management Annual Meeting **Member:** Population Association of America, Association For Policy Analysis and Management, Interdisciplinary Association for Population Health Sciences, American Educational Research Association

UNIVERSITY SERVICE

Graduate Student Representative 09/2018 – Present

Stanford Interdisciplinary Doctoral Program in Education Policy (SHIPS)

– Represent graduate student perspective in faculty meetings

Academic Pre-Major Advisor 09/2017 – 09/2018

Stanford University

– Advise undergraduates in formulating academic goals and selecting a field of study