

SAM TREJO

(512) 804-8185 – sam.trejo@wisc.edu – @trejosamtremo – www.samtremo.com

RESEARCH INTERESTS

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

POSITIONS

University of Wisconsin–Madison

Assistant Professor of Sociology & Public Affairs [Link]	06/2020 – Present
Core Faculty, Initiative in Social Genomics	06/2020 – Present
Faculty Affiliate, Center for Demography and Ecology	06/2020 – Present
Faculty Affiliate, Center for the Demography of Health and Aging	06/2020 – Present
Faculty Affiliate, Interdisciplinary Training Program in Education Sciences	09/2020 – Present
Faculty Affiliate, Institute for Research on Poverty	11/2020 – Present

Stanford University

Research Affiliate, Center for Population Health Sciences	06/2020 – Present
Instructor of Sociology & Education	09/2019 – 06/2020
Graduate Research Assistant, Educational Opportunity Project	06/2017 – 09/2018
Graduate Research Assistant, Graduate School of Education	09/2016 – 06/2020

National Bureau of Economic Research

Graduate Research Assistant	06/2018 – 12/2018
-----------------------------	-------------------

EDUCATION

Ph.D. Sociology & Education, Economics & Education	2020
Stanford University	
M.A. Sociology	2019
Stanford University	
M.A. Economics	2019
Stanford University	
B.A. Economics, Plan II Honors (Majors)	2016
Mathematics, Arabic (Minors)	
University of Texas–Austin	

HONORS & AWARDS

National Science Foundation Graduate Research Fellowship	\$138,000/3 years	06/2017 – 06/2020
Institute of Education Sciences Graduate Research Fellowship	\$120,000/4 years	09/2016 – 06/2020
Stanford Enhancing Diversity in Graduate Education Fellowship	\$7,300/4 years	09/2016 – 06/2020
University of Texas–Austin Senior Thesis Prize in Economics	\$1,500	05/2016

RESEARCH & WRITING

* denotes joint lead authorship

Published and Forthcoming

- 2020 Benjamin W. Domingue, **Sam Trejo**, Emma Armstrong-Carter, and Elliot Tucker-Drob. “Interactions Between Polygenic Scores and Environments: Methodological and Conceptual Challenges.” *Sociological Science*. [[Paper](#)]
- 2020 Maya Rossin-Slater*, Molly Schnell*, Hannes Schwandt*, **Sam Trejo**, and Lindsey Uniati. “Local Exposure to School Shootings and Youth Antidepressant Use.” *Proceedings of the National Academy of Sciences*. [[Paper](#)] {Media Coverage: [Washington Post](#), [Los Angeles Times](#), [The Hill](#)}
- 2020 Emma Armstrong-Carter*, **Sam Trejo***, Liam Hill, Kirsty Crossley, Dan Mason, and Benjamin W. Domingue. “The Earliest Origins of Genetic Nurture: The Prenatal Environment Mediates the Association Between Maternal Genetics and Child Development.” *Psychological Science*. [[Paper](#)] ([FAQ](#))
- 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*. [[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*. [[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 Heath.” *Sociological Science*. [[Paper](#)]

Working Papers

- 2020 **Sam Trejo**. “Exploring Genetics Influences on Birth Weight.” [[Paper](#)]
- 2020 Benjamin W. Domingue*, Klint Kanopka, Travis T. Mallard, **Sam Trejo**, and Elliot M. Tucker-Drob*. “Distinguishing Between Interaction and Dispersion Effects in the Analysis of Gene-Environment Interaction.” [[Paper](#)]

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.” *SocArXiv*. [[Paper](#)]

Manuscripts in Preparation

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

Marissa Thompson* and **Sam Trejo***. “The Effect of Information on Parental School Segregation Preferences: Evidence from a Survey Experiment.” [\[Abstract\]](#) [\(Survey\)](#)

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

Sam Trejo*, Klint Kanopka*. “The Phenotype Differences Model: Identifying Genetic Effects with Incomplete Sibling Data.” [\[Abstract\]](#)

Opinion

2020 **Sam Trejo**. “Here’s why I donated my kidney to a stranger—and more of us should.” *Los Angeles Times*. [\[Article\]](#)

GRANTS & PROJECTS

Understanding Parental Attitudes Towards School Segregation – \$2,000 Stanford Center for American Democracy P.I.s Marissa Thomson and Sam Trejo	01/2020 – 01/2021
Genomic Influences of Prenatal Development – \$24,000 Stanford Center on the Demography and Economics of Health and Aging P.I.s Benjamin Domingue and Jeremy Freese (note: Sam Trejo wrote this grant proposal)	01/2019 – 06/2020
Learning from the Flint Water Crisis – Confidential Data Request Michigan Department of Education P.I. Sam Trejo	08/2018 – 08/2020

TEACHING

Biodemography Instructor of Record University of Wisconsin–Madison, Department of Sociology	01/2021 – 05/2021
Discovering What Works in Health Policy [Syllabus] Instructor of Record University of Wisconsin–Madison, School of Public Affairs	01/2021 – 05/2021
Causal Inference in Educational and Social Research [Syllabus] Co-Instructor of Record with Sean Reardon Stanford University, Graduate School of Education and Department of Sociology	01/2020 – 04/2020
Applied Econometrics for Public Policy Teaching Assistant under Stephan Seiler Stanford University, Program in Public Policy	01/2019 – 04/2019

PRESENTATIONS

Seminars & Invited Lectures

- 2021 Stanford University, Center for Biomedical Ethics; University of Wisconsin–Madison, Department of Population Health Sciences; University of Colorado–Boulder, Institute for Behavioral Science
- 2020 Princeton University, Department of Sociology; University of Wisconsin–Madison, Department of Sociology & School of Public Affairs; University of Wisconsin–Madison, Center for Demography & Ecology; University of Southern California, Social Genomics Working Group; Erasmus University Rotterdam, Social Genomics Working Group
- 2018 Michigan State University–Flint, Division of Public Health

Conference Presentations

- 2021 Association for Education Finance and Policy
- 2020 Population Association of America; NIA Biomarker Network, Integrating Genetics and Social Science
- 2019 Association for Public Policy Analysis and Management; Integrating Genetics and Social Science
- 2018 Association for Public Policy Analysis and Management; Integrating Genetics and Social Science; Interdisciplinary Association of Population Health Sciences; Association for Psychological Science; American Educational Research Association
- 2017 Integrating Genetics and Social Science

PROFESSIONAL ACTIVITIES

Referee: American Sociological Review, Demography, Sociological Science, Journal of Policy Analysis & Management, Review of Economics & Statistics, Economics & Human Biology, Scandinavian Journal of Economics, Developmental Psychology, Educational Researcher, Journal of Health & Aging, Proceedings of the National Academy of Sciences, Nature Scientific Reports, npj Science of Learning, PLOS One

Discussant: Association for Public Policy Analysis and Management

Member: Population Association of America, Association For Policy Analysis and Management, Interdisciplinary Association for Population Health Sciences, American Educational Research Association

UNIVERSITY SERVICE

University of Wisconsin–Madison

Health Policy Certificate Committee, School of Public Affairs	08/2020 – Present
Doctoral Placement Committee, Department of Sociology	08/2020 – Present
Doctoral Exams Committee: Education, Department of Sociology	08/2020 – Present
Doctoral Exams Committee: Methods & Statistics, Department of Sociology	08/2020 – Present

Stanford University

Student Representative, Interdisciplinary Doctoral Program in Education Policy	09/2018 – 06/2020
Pre-Major Academic Advisor, Undergraduate Program	09/2017 – 09/2018

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