

SAM TREJO

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RESEARCH INTERESTS

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

POSITIONS

University of Wisconsin–Madison

Assistant Professor of Public Affairs & Sociology [Link]	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

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
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EDUCATION

Ph.D. Sociology & Education, Economics & Education	2020
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Stanford University

M.A. Sociology	2019
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Stanford University

M.A. Economics	2019
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Stanford University

B.A. Economics, Plan II Honors (Majors)	2016
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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 Uniat. “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 Health.” *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*. “Heteroscedastic Regression Modeling Elucidates Gene-by-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 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 wrote this grant proposal)

Learning from the Flint Water Crisis – Confidential Data Request 08/2018 – 08/2020
Michigan Department of Education
P.I. Sam Trejo

TEACHING EXPERIENCE

Biodemography 01/2021 – 05/2021
Instructor of Record
University of Wisconsin–Madison, Department of Sociology

Discovering What Works in Health Policy [\[Syllabus\]](#) 01/2021 – 05/2021
Instructor of Record
University of Wisconsin–Madison, School of Public Affairs

Causal Inference in Educational and Social Research [\[Syllabus\]](#) 01/2020 – 04/2020
Co-Instructor of Record with Sean Reardon
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

PRESENTATIONS

Invited Lectures

- 2021 Stanford University, Center for Biomedical Ethics
- 2020 University of Wisconsin–Madison, Department of Sociology & School of Public Affairs
- 2018 Michigan State University–Flint, Division of Public Health

Conference Presentations

- 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

TRAINING WORKSHOPS

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

PROFESSIONAL ACTIVITIES

Referee: American Sociological Review, Journal of Policy Analysis & Management, Economics & Human Biology, Scandinavian Journal of Economics, Developmental Psychology, Educational Researcher, 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