

SAM TREJO

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RESEARCH INTERESTS

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

POSITIONS

Princeton University

Assistant Professor of Sociology [\[Link\]](#) 06/2021 – Present
Faculty Affiliate, Office of Population Research 07/2021 – Present

University of Wisconsin–Madison

Assistant Professor of Sociology & Public Affairs 06/2020 – 05/2021
Core Faculty, Initiative in Social Genomics 06/2020 – 05/2021
Faculty Affiliate, Center for Demography and Ecology 06/2020 – 05/2021
Faculty Affiliate, Center for the Demography of Health and Aging 06/2020 – 05/2021
Faculty Affiliate, Interdisciplinary Training Program in Education Sciences 09/2020 – 05/2021
Faculty Affiliate, Institute for Research on Poverty 11/2020 – Present

Stanford University

Instructor of Sociology & Education 09/2019 – 06/2020
Research Affiliate, Center for Population Health Sciences 06/2020 – Present

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 at Austin

BOOK MANUSCRIPT

Debating DNA: A Social Scientist and a Bioethicist Reckon with the Genomic Revolution

Sam Trejo & Daphne Martschenko

Under Contract with *Princeton University Press*

RESEARCH ARTICLES

* denotes joint lead authorship

Published & Forthcoming

- 2021 Daphne O. Martschenko*, Benjamin W. Domingue, Lucas J. Matthews, **Sam Trejo**. “An Open-Access Repository of FAQs: Genomic Findings on Social and Behavioral Outcomes.” Forthcoming at *Nature Genetics*.
- 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

- 2021 **Sam Trejo**, Gloria Yeomans-Maldonado, and Brian Jacob. “The Effects of the Flint Water Crisis on Educational Outcomes.”
- 2021 Marissa Thompson* and **Sam Trejo***. “The Effect of Information on Parental School Segregation Preferences: Evidence from a Survey Experiment.” ([Survey](#))
- 2021 Benjamin W. Domingue, Klint Kanopka, **Sam Trejo**, and Elliot M. Tucker-Drob. “False Discovery in the Analysis of Interactions as a Function of the Distributional and Metric Properties of the Outcome.” [[Paper](#)]
- 2021 Benjamin W. Domingue, Klint Kanopka, **Sam Trejo**, and Jeremy Freese. “An Ordinal Model for Analysis of Years of Education.” [[Paper](#)]
- 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*, Klint Kanopka*. “The Phenotype Differences Model: Identifying Genetic Effects with Incomplete Sibling Data.”

Daphne Martschenko*, **Sam Trejo***. “Ethical, Anticipatory Genomics Research Means Celebrating Disagreement.”

OPINION & POPULAR ARTICLES

- 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

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

TEACHING

Genomics & Society Princeton University, Department of Sociology	09/2021 – 12/2021
Biodemography [Syllabus] University of Wisconsin–Madison, Department of Sociology	01/2021 – 05/2021
Discovering What Works in Health Policy [Syllabus] University of Wisconsin–Madison, La Follete School of Public Affairs	01/2021 – 05/2021
Causal Inference in Educational and Social Research [Syllabus] Stanford University, Graduate School of Education & Department of Sociology	01/2020 – 04/2020

PRESENTATIONS

Seminars & Invited Lectures

- 2021 University of Wisconsin–Madison, Department of Population Health Sciences; University of Colorado–Boulder, Bio Futures Program; Stanford University, Institute for Behavioral Science; University of Wisconsin–Madison, Department of Neuroscience; University of Wisconsin–Madison, Institute for Research on Poverty; Stanford University, Center for Biomedical Ethics; University of California–Berkeley, Department of Demography
- 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, Social Forces, Sociology of Education, 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, SSM - Mental Health, 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, American Sociological Association, 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 – 05/2020
Doctoral Placement Committee, Department of Sociology	08/2020 – 05/2020
Doctoral Exams Committee: Education, Department of Sociology	08/2020 – 05/2020
Doctoral Exams Committee: Methods & Statistics, Department of Sociology	08/2020 – 05/2020

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	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	