

# SAM TREJO

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## RESEARCH INTERESTS

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

## CURRENT POSITIONS

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### Princeton University

Assistant Professor, Department of Sociology [\[Link\]](#) 2021 – Present  
Faculty Associate, Office of Population Research, School of Public & International Affairs 2021 – Present  
Faculty Associate, Center for Health and Wellbeing, School of Public & International Affairs 2022 – Present

### University of Texas at Austin

Faculty Fellow, Population Wellbeing Initiative 2022 – Present

### University of Wisconsin–Madison

Faculty Associate, Institute for Research on Poverty 2020 – Present

### Stanford University

Research Affiliate, Center for Population Health Sciences 2020 – Present

## PAST POSITIONS

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### University of Wisconsin–Madison

Assistant Professor, Department of Sociology & La Follette School of Public Affairs 2020 – 2021  
Core Faculty, Initiative in Social Genomics 2020 – 2021  
Faculty Associate, Center for Demography and Ecology 2020 – 2021  
Faculty Associate, Center for the Demography of Health and Aging 2020 – 2021  
Faculty Associate, Interdisciplinary Training Program in Education Sciences 2020 – 2021

### Stanford University

Instructor of Sociology & Education 2019 – 2020

### National Bureau of Economic Research

Graduate Research Assistant 2018

## EDUCATION

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**Ph.D. Sociology & Education, Economics & Education** 2020  
**M.A. Sociology** 2019  
**M.A. Economics** 2019  
Stanford University

**B.A. Economics, Plan II Honors (Majors)** 2016  
**Mathematics, Arabic (Minors)**  
University of Texas at Austin

## RESEARCH ARTICLES

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\* denotes joint lead authorship

### Published & Forthcoming

- 2022 **Sam Trejo** and Daphne Martschenko. “Beware the Phony Horserace between Genes and Environments”. Forthcoming at *Behavioral and Brain Sciences*. [[Paper](#)]
- 2022 Benjamin W. Domingue, Klint Kanopka, **Sam Trejo**, Mijke Rhemtulla, and Elliot M. Tucker-Drob. “Ubiquitous Bias and False Discovery Due to Model Misspecification in Analysis of Statistical Interactions: The Role of the Outcome’s Distribution and Metric Properties.” *Psychological Methods*. [[Paper](#)]
- 2022 Daphne Martschenko\* and **Sam Trejo**\*. “Ethical, Anticipatory Genomics Research Means Celebrating Disagreement.” *Human Genetics and Genomics Advances*. [[Paper](#)]
- 2021 Benjamin W. Domingue\*, Klint Kanopka, Travis T. Mallard, **Sam Trejo**, and Elliot M. Tucker-Drob\*. “Modeling Interaction and Dispersion Effects in the Analysis of Gene-Environment Interaction.” *Behavior Genetics*. [[Paper](#)]
- 2021 Daphne O. Martschenko, Benjamin W. Domingue, Lucas J. Matthews, and **Sam Trejo**. “An Open-Access Repository of FAQs: Genomic Findings on Social and Behavioral Outcomes.” *Nature Genetics*. [[Paper](#)] ([Repository](#)) {Media: [Nature Genetics Editorials](#)}
- 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: [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: [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](#)]
- 2016 **Sam Trejo**. “An Econometric Analysis of the Major Choice of First-Generation College Students.” *The Developing Economist*. [[Paper](#)]

## Working Papers

- 2021 **Sam Trejo**, Gloria Yeomans-Maldonado, and Brian Jacob. “The Psychosocial Effects of the Flint Water Crisis on School-Age Children.” [\[Paper\]](#) ([Policy Brief](#)) {Media: [MLive](#)}
- 2021 Marissa Thompson\* and **Sam Trejo**\*. “Experimental Evidence on the Effect of Information on Parental Preferences Regarding School Segregation.” [\[Paper\]](#)
- 2021 Benjamin W. Domingue, Klint Kanopka, **Sam Trejo**, and Jeremy Freese. “An Ordinal Model for Analysis of Years of Education.” [\[Paper\]](#)
- 2021 **Sam Trejo**\* and Klint Kanopka\*. “The Phenotype Differences Model: Identifying Genetic Effects with Incomplete Sibling Data.”
- 2020 **Sam Trejo**. “Exploring Genetics Influences on Birth Weight.” [\[Paper\]](#)

## Resting Papers

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

## BOOK MANUSCRIPT

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

Sam Trejo & Daphne Martschenko

Under Contract with *Princeton University Press*

## POPULAR MEDIA ARTICLES

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- 2022 Robbee Wedow, Daphne Martschenko, and **Sam Trejo**. “Scientists Must Consider the Risk of Racist Misappropriation of Research.” *Scientific American*. [\[Article\]](#)
- 2020 **Sam Trejo**. “Here’s Why I Donated My Kidney to a Stranger—and More of Us Should.” *Los Angeles Times*. [\[Article\]](#)

## GRANTS & PROJECTS

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- Exploring How Genetic Ancestry Tests Influence Conceptions of Race** – \$20,000 2022 – 2023  
Columbia Population Research Center  
P.I.s Marissa Thomson, Sam Trejo, Daphne Martschenko, and AJ Alvero
- Exploring the Health and Social Implications of the Genomic Revolution** – \$14,500 2022 – 2023  
Princeton Center for Health and Wellbeing  
P.I.s Sam Trejo and Daphne Martschenko
- Understanding Parental Attitudes Towards School Segregation** – \$2,000 2020 – 2021  
Stanford Center for American Democracy  
P.I.s Marissa Thomson and Sam Trejo
- Genetic Influences of Prenatal Development** – \$24,000 2019 – 2020  
Stanford Center on the Demography and Economics of Health and Aging  
P.I.s Benjamin W. Domingue and Jeremy Freese (Sam Trejo wrote this grant proposal)

## HONORS & AWARDS

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

## TEACHING

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<b>Sport, Recreation, &amp; Society</b> Princeton University, Department of Sociology	Spring 2023
<b>Genomics &amp; Society</b> [Syllabus] Princeton University, Department of Sociology	Fall 2021, Fall 2022
<b>Biodemography</b> [Syllabus] University of Wisconsin–Madison, Department of Sociology	Spring 2021
<b>Discovering What Works in Health Policy</b> [Syllabus] University of Wisconsin–Madison, La Follete School of Public Affairs	Spring 2021
<b>Causal Inference in Educational and Social Research</b> [Syllabus] Stanford University, Graduate School of Education & Department of Sociology	Winter 2020

## PRESENTATIONS

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### Colloquiums & Invited Lectures

- 2022 University of California–Berkeley, Department of Demography  
University of California–Santa Cruz, Science & Justice Research Center  
University of Texas–Austin, Biosocial Working Group  
University of Southern California, Social Genomics Working Group  
Robert Wood Johnson Medical School, Rutgers Cancer Institute of New Jersey  
Princeton University, New Jersey Alliance for Clinical and Translational Science  
Harvard University, Center for Education Policy Research University of Michigan, Ford School of Public Policy
- 2021 University of Wisconsin–Madison, Department of Population Health Sciences  
University of Colorado–Boulder, Institute for Behavioral Science  
Stanford University, Bio Futures Program  
University of Wisconsin–Madison, Department of Neuroscience  
University of Wisconsin–Madison, Institute for Research on Poverty  
Stanford University, Center for Biomedical Ethics
- 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**

- 2022 European Social Science Genomics Network  
Behavior Genetics Association  
Integrating Genetics and Social Science
- 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**

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#### **Referee**

American Sociological Review	Journal of Developmental & Life-Course Criminology
Demography	Developmental Psychology
Social Forces	Educational Researcher
Sociological Science	Journal of Health & Aging
Sociology of Education	SSM - Mental Health
Journal of Health & Social Behavior	International Health
Journal of Policy Analysis & Management	Proceedings of the National Academy of Sciences
Review of Economics & Statistics	Nature Human Behavior
Journal of Population Economics	Nature Scientific Reports
Journal of Public Economics	npj Science of Learning
Economics & Human Biology	PLOS ONE
Scandinavian Journal of Economics	

#### **Program Committee**

2022 Population Association of America (Data & Methods)

#### **Session Organizer**

2023 American Sociological Association (Quantitative Methods)

#### **Discussant**

2019 Association for Public Policy Analysis and Management

## UNIVERSITY SERVICE

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### Princeton University

Demographic Training Committee, Office of Population Research 2022 – Present  
Admissions Committee, Department of Sociology 2021 – Present

### University of Wisconsin–Madison

Health Policy Certificate Committee, School of Public Affairs 2020 – 2021  
Doctoral Placement Committee, Department of Sociology 2020 – 2021  
Doctoral Exams Committee: Education, Department of Sociology 2020 – 2021  
Doctoral Exams Committee: Methods & Statistics, Department of Sociology 2020 – 2021

### Stanford University

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

## TRAINING

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### Faculty Success Program

National Center for Faculty Development and Diversity 2022  
Detroit, MI

### Summer Institute on Biological Approaches in the Social Sciences

Russell Sage Foundation and Northwestern University, School of Education and Social Policy 2019  
Evanston, IL

### Panel Study of Income Dynamics Data User Workshop

Inter-University Consortium for Political and Social Research 2018  
Ann Arbor, MI

### Summer Institute in Social Science Genomics

Russell Sage Foundation and Social Science Genomics Association Consortium 2017  
Santa Barbara, CA

### Summer Workshop on Formal Demography

University of California, Berkeley, Department of Demography 2017  
Berkeley, CA