

# SAM TREJO

187 Wallace Hall – (609) 258-2614 – samtrejo@princeton.edu – www.samtrejo.com

## RESEARCH INTERESTS

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

## CURRENT POSITIONS

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### Princeton University

Assistant Professor, Department of Sociology <a href="#">[Link]</a>	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
Co-Leader (w/Dalton Conley), Biosociology Research Group	2022 – Present

### University of Texas at Austin

Faculty Fellow, Population Wellbeing Initiative	2022 – Present
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### University of Wisconsin–Madison

Faculty Associate, Institute for Research on Poverty	2020 – Present
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## 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
Research Affiliate, Center for Population Health Sciences	2020 – 2022

### National Bureau of Economic Research

Graduate Research Assistant	2018
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## EDUCATION

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<b>Ph.D. Sociology &amp; Education, Economics &amp; Education</b>	2020
<b>M.A. Sociology</b>	2019
<b>M.A. Economics</b>	2019
Stanford University	
<b>B.A. Economics, Plan II Honors (Majors)</b>	2016
<b>Mathematics, Arabic (Minors)</b>	
University of Texas at Austin	

## RESEARCH ARTICLES

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\* denotes joint lead authorship

### Published & Forthcoming

- 2023 **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

- 2022 Marissa Thompson\* and **Sam Trejo**\*. “Experimental Evidence on the Effect of Information on Parental Preferences Regarding School Segregation.” [Paper]
- 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 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

## HONORS & AWARDS

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

## PRESENTATIONS

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### Colloquiums & Invited Lectures

- 2023 University of Maryland, Population Research Center
- 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 Texas, Lifespan Development Lab  
University of Michigan (w/Mona Hanna-Attisha & Kevelin Jones), Ford School of Public Policy  
Princeton University (w/David Grusky & Siwei Cheng), Department of Sociology
- 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**

2023 Eastern Sociological Society  
Population Association of America  
NIA Biomarkers Network

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 Biomarkers 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

Demography

Social Forces

Sociological Science

Sociology of Education

Journal of Health & Social Behavior

Journal of Policy Analysis & Management

Review of Economics & Statistics

Journal of Population Economics

Journal of Public Economics

Economics & Human Biology

Scandinavian Journal of Economics

Journal of Developmental & Life-Course Criminology

Developmental Psychology

Child Development Perspectives

Educational Researcher

Journal of Health & Aging

SSM - Mental Health

International Health

Communications Biology

Proceedings of the National Academy of Sciences

Nature Human Behavior

Nature Scientific Reports

npj Science of Learning

PLOS ONE

## Program Committee

2023 Population Association of America (Data & Methods)

## Session Organizer

2023 American Sociological Association (Quantitative Methods)

## Discussant

2019 Association for Public Policy Analysis and Management

## **UNIVERSITY & DEPARTMENTAL SERVICE**

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### Committees

#### **Princeton University**

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

#### **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
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### Advising

#### **Princeton University**

Doctoral First-Year Apprenticeships: Beza Taddess (Sociology)  
Doctoral Dissertation Committees: Jinyuan Qi (Demography)  
Undergraduate Senior Thesis Advising: Gabi Juarez '22, Adrienne Brookins '22, Preston Parsons '23,  
Eric Sklanka '23

## TRAINING

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<b>Faculty Success Program</b> National Center for Faculty Development and Diversity Detroit, MI	2022
<b>Summer Institute on Biological Approaches in the Social Sciences</b> Russell Sage Foundation and Northwestern University, School of Education and Social Policy Evanston, IL	2019
<b>Panel Study of Income Dynamics Data User Workshop</b> Inter-University Consortium for Political and Social Research Ann Arbor, MI	2018
<b>Summer Institute in Social Science Genomics</b> Russell Sage Foundation and Social Science Genomics Association Consortium Santa Barbara, CA	2017
<b>Summer Workshop on Formal Demography</b> University of California, Berkeley, Department of Demography Berkeley, CA	2017