

JESSICA R. GOLD

Sociologist and mixed-methods researcher with 10+ years of experience leveraging social science to bridge rigorous research and strategic solutions. Expert in advanced statistical analyses, computational social science methods, surveys, and qualitative interviews, focus groups, and analysis. Strong relational and communication skills driving stakeholder engagement and collaboration in cross-functional teams.

Education

Ph.D. The University of California, Davis, Sociology, 2021

M.A. The University of California, Davis, Sociology, 2017

B.A. The College of William and Mary, Sociology, 2010

Leadership Semester, The National Outdoor Leadership School (NOLS), Patagonia, Chile, 2009

Professional Experience

Scientific Collaboration Officer

Jan 2026 – Present

International Panel on the Information Environment (IPIE)

- Coordinate and support strategic development of research agendas and collaborations of global expert panels and interdisciplinary teams, including work on AI, climate and election mis/disinformation, and child protection on social media.
- Serve as managing editor for IPIE publications, overseeing editorial process, author coordination, and quality control across reports and outputs while improving author and publication guidelines and workflows to ensure consistency, rigor, and accessibility across collaborative research projects.
- Lead growth and management of IPIE's affiliate member network, expanding global partnerships and fostering engagement across academic, policy, and practitioner communities.

Consulting Scientist for the IPIE Scientific Panel on AI and Economic Inclusion

Sept 2025 – Present

International Panel on the Information Environment (IPIE)

- Lead synthesis of global research on AI and economic inequality to inform equitable public policy and community responses.
- Coordinate and facilitate participatory dialogues and learning sessions with international experts and stakeholders to co-develop actionable, equity-centered policy recommendations.
- Translate findings into accessible formats for policymakers, practitioners, and the public; disseminate and present findings globally.

Consulting Senior Research Scientist

Sept 2024 – Present

WZB Berlin Social Science Center (German Research Foundation funded project)

- Lead data collection and analysis (in MAXQDA) studying equity work in higher education in the US, UK, and Germany (75+ interviews).
- Coordinate multilingual coding and analysis team internationally, ensuring methodological rigor, data security, and timely deliverables.
- Translate research findings into strategic policy-relevant recommendations for university leadership and international stakeholders.

Associate Research Scientist

Aug 2021 – March 2025

Northeastern University (NSF funded project)

- Conducted longitudinal, mixed-methods analysis of gender equity intervention program across 200+ US universities including social network analysis, advanced statistical modeling, NLP/text analysis, bibliometric analysis, and in-depth interviews (in R and Atlas.ti).
- Led qualitative research on Communities of Practice and institutional response during crisis, informing policies for stakeholders.
- Co-designed web-based interactive data visualization for gender equity practitioners to explore collaboration networks.
- Produced actionable deliverables and presented data-driven reports to NSF directors and stakeholders for \$1.6M NSF research award.
- Supervised and mentored 9+ research assistants and collaborated with senior faculty, serving as lead analyst on multiple projects.
- Published in peer-reviewed journals and present at 17+ national/international research and policy conferences.

Virtual Visiting Scholar

Aug 2023 – Aug 2024

ADVANCE Resource Coordination (ARC) Network

- Conducted literature reviews and evidence synthesis to assess structural and cultural dimensions of equity work in higher education.
- Produced evidence-based reports and presentations that informed policy conversations at the NSF and among national DEI leaders.

Doctoral Researcher

Sept 2015 – July 2021

University of California, Davis

- Designed and led a multi-university study using innovative hybrid methodology in R combining machine learning and qualitative coding evaluating community engaged scholarship and participatory research in 137k faculty applications (text-as-data analysis).
- Conducted advanced multivariate analyses (in R and STATA) to examine intersectional barriers in multi-institutional faculty hiring data.
- Designed and facilitated workshops on learning R and computational methods for graduate students and faculty, building departmental capacity for computational social science methods.

Research Assistant (NSF and Spencer Foundation funded projects)

June 2016 – June 2020

- Built reproducible data infrastructure in R and SQL linking personnel records, national education statistics, and bibliometric data to study systemic inequities in university hiring and retention.
- Collaborated with university administrators and IT teams to navigate complex data privacy and governance protocols.
- Contributed to successful renewal and extension for \$1M+ NSF ECR-EDU research award, helping shape the research design and high-impact dissemination strategy.

Research Assistant (Data Science Initiative – DSI)

Sept 2017 – Aug 2018

- Designed and pilot tested user interface for university faculty to apply machine learning tools for exploratory text analysis to survey qualitative data, enhancing accessibility of computational methods across disciplines.
- Conducted usability research through in-depth case studies and direct consultation with STEM and social science faculty.
- Identified adoption barriers and translated technical concepts into actionable improvements for non-technical users.

Teaching Assistant

Sept 2015 – Dec 2018

- Intermediate Statistics (undergraduate/graduate students); Classic Social Theory, Sociology of Deviance, Social Psychology (undergraduate students); Designed and facilitated discussion sections; provided feedback; advised students during office hours.

Survey Research Analyst

June 2018 – Aug 2018

Animas River Public Engagement and Education Project

- Led survey statistical analysis (in R) for EPA-funded project investigating community water use in SW Colorado.
- Produced data visualizations (using R and ggplot) and reports to communicate findings to policymakers and community stakeholders.

Trip Leader, Field Guide, Wilderness First Responder

May 2013 – Aug 2015

Adventure Treks, Open Sky Wilderness Therapy

- Managed expedition logistics, staff teams, and group safety for extended backcountry trips. Supported youth and young adults in therapeutic outdoor setting, managing safety, communication, and structured progression through treatment programs.
- Facilitated team building, interpersonal skill-building, and resilience training in dynamic environments via experiential education.

Certified Personal Trainer, Group Fitness Instructor

May 2008 – June 2017

William and Mary Student Recreation Center; Healthworks Fitness; Colorado Athletic Club; UC Davis ARC

- Built long-term client-relationships and individualized wellness plans; taught accessible, community-building fitness classes (yoga, strength, cardio) in higher education and private fitness centers.

Selected Publications and Presentations

Gold, Jessica. 2026. "Epistemic Dynamics and Intersectionality in Faculty Hiring: Who Presents as Engaged Scholars?" *Sociology of Education*, Online First. <https://doi.org/10.1177/00380407261424>. (Also presented at the University of Arizona Dept. of Ecology and Evolutionary Biology, Tucson, AZ, 2024, Invited Speaker).

Gold, Jessica, Allison Deese, Laura K. Nelson, and Kathrin Zippel. 2026. "Gender Equity in Higher Education During Disruptive Events: Communities of Practice in the NSF ADVANCE Network." *Innovative Higher Education*. Online First. <https://doi.org/10.1007/s10755-026-09878-5>.

Gold, Jessica, Allison Deese, Laura K. Nelson, Kathrin Zippel. 2025. "Incorporating Gender into Institutional Crisis Response: The Case of ADVANCE in 2020-2021." in *Gender and Higher Education Management in Times of Crisis*, edited by A. Wroblewski and S. Barnard. Cham, Switzerland: Palgrave Macmillan. https://doi.org/10.1007/978-3-031-98941-4_5. (Also presented at the European Conference on Politics and Gender, Ghent, Belgium, 2024).

Lauterwasser, Steven, Laura K. Nelson, Jessica Gold, and Kathrin Zippel. Forthcoming. "What Gets Lost in Translation? Epistemic Tensions between Translation and Diffusion in Practice-Oriented Scholarship." *Gender & Society*.

Gold, Jessica, Laura K. Nelson, Kathrin Zippel. 2025. "DEI as Infrastructure—And Why We'll Miss It When It's Gone." *Contexts*: 24(2), 19-21. <https://doi.org/10.1177/15365042251351966>.

Gates, Alexander J.*, Jessica Gold*, Laura K. Nelson, and Kathrin Zippel. 2024. "Translating Interdisciplinary Knowledge for Gender Equity: Quantifying the Impact of NSF ADVANCE." *Social Science Quarterly* 105(2):342-358. <https://doi.org/10.1111/ssqu.13339>

Gold, Jessica, Alexander Gates, Laura K. Nelson, Kathrin Zippel. 2023. "Mapping Interdisciplinary Knowledge Production from the NSF ADVANCE program." National Science Foundation, Alexandria, VA. (Invited Presenter.)

Gold, Jessica*, Alexander J. Gates*, Syed A. Haque, Miranda C. Melson, Laura K. Nelson, and Kathrin Zippel. 2022. "The NSF ADVANCE Network of Organizations." *ADVANCE Journal* 2(1). <https://doi.org/10.5399/osu/ADVJRNL.3.1.3>

*denotes shared first authorship