Jessica R. Gold

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EDUCATION

2015 – 2021 PhD, Sociology, **University of California, Davis**

*Dissertation*: Scholars on the Margins, or Marginalized Scholars? The (De)Valuation of Engaged Scholars

*Advisor*: Kimberlee Shauman

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

*Thesis*: Adolescent Dating Violence Perpetration and Status Change: A Network Approach

*Committee*: Bob Faris (Chair), Kimberlee Shauman, Chris Smith (University of Toronto)

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

*Advisor: Jennifer Bickham-Mendez*

RESEARCH INTERESTS

Computational sociology (social network and text analysis; data feminism), inequality, gender, work and occupations

PUBLICATIONS

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](https://doi.org/10.1111/ssqu.13339" \t "_blank)

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>

Gold, Jessica, Laura K. Nelson, Allison D. Deese, Kathrin Zippel. 2023. *Under Review.* “Reconceptualizing Networks as Practice.”

Gold, Jessica, Allison D. Deese, Laura K. Nelson, Kathrin Zippel. 2023. *Under Review.* “Gender Equity During Disruptive Events: Communities of Practice in the NSF ADVANCE Network.”

Lauterwasser, Steven, Laura K. Nelson, Jessica Gold, and Kathrin Zippel. 2023. *Under Review*. “Talents for the Talented: Disrupting the Matthew Effect in an NSF Award Program.”

Gold, Jessica, Laura K. Nelson, Kathrin Zippel. 2024. *In Progress.* Incorporating Gender into Institutional Crisis Response: The Case of ADVANCE in 2020-2021.

Nelson, Laura K., Jessica Gold, Timothy Fraser, Kathrin Zippel. *In Progress.* “The Duality of Persons and Groups, and their (Status) Attributes: Turning Network Analysis ‘Inside Out.’”

Gold, Jessica. *In progress*. “Engaged Scholarship in STEM Faculty Applications: An Intersectional Approach.”

Shauman, Kimberlee, and Jessica Gold. *In Progress*. “Who You Know or What You Know: Collaboration Network in STEM Faculty Hiring.”

RESEARCH EXPERIENCE AND EMPLOYMENT

2021 – Present **Post-doctoral Researcher/Associate Research Scientist**, Northeastern University, *Innovation Networks: The Creation and Diffusion of Gender Equity Ideas in Universities (ECR NSF Funded Project,* PIs: Kathrin Zippel and Laura K. Nelson*)*

Collected and performed exploratory text analysis on corpus of over 800 research publications; collected and analyzed qualitative interview data (n=46); led and collaborated on writing multiple academic publications; mentored and managed a team of undergraduate and graduate student researchers; presented research findings at international and domestic academic conferences. Coding done in R and Atlas.ti.

2017 – 2021 **Research Assistant**, UC Davis Sociology, *Network Connections in Formal Hiring Process (NSF Funded Project,* PI: Kimberlee Shauman*)*

Provided network expertise in designing and implementing pilot case for grant funding using faculty hiring data paired with Scopus author and citation data (from Scopus API). Currently developing pipeline for creating recruitment co-author and citation networks for full hiring data and Scopus custom dataset. Coding done in R and Stata.

2018 – 2020 **Research Assistant**, UC Davis Sociology, *Discriminating Language: Race, Gender, Letters of Recommendation and Outcomes in Academic Hiring (Spencer Foundation funded Project,* PI: Kimberlee Shauman*)*

Implemented Word2Vec models on Letters of Recommendation from faculty recruitments to measure word embedding bias based on gendered pronouns describing applicants. Coding done in R, translated from a Python code repository.

2018 **Research Assistant**, UC Davis Data Science Initiative, PI: Carl Stahmer

Developed systematic application process for UC Davis faculty to request DSI collaboration on data involving large text corpora. Collaborated in creating tool for exploratory text analysis – including unsupervised NLP topic modeling, sentiment analysis, and n-grams for multiple corpora into sharable html format. Evaluated use of topic modeling on social science surveys with unstructured text variables. Coding done in R and markdown.

2018 **Research Analyst**, Querencia Environmental, *Animas River Public Engagement and Education Project: Understanding Community Perspectives and Empowering Literacy and Participation (EPA funded project),* PI: Chara Ragland

Organized and analyzed survey data for project investigating community water use in the Animas watershed (southwestern Colorado). Delivered summary statistics and graphics for organizational use. Coding in R and Excel.

2015 – 2017 **Research Assistant**, UC Davis, *Recruiting STEM Faculty: A Systematic Analysis of the Faculty Hiring Process at Research-Intensive Universities,* PI: Kimberlee Shauman*)*

Created pipeline to clean and organize data from multi-wave, multi-organization administrative database. Developed code to output descriptive analysis of data for current and subsequent waves of data. Coding done in Stata.

2010 **Research Assistant**, Texas A&M University, PI: Chara Ragland

Downloaded, extracted, and coded information from public records, meetings, and sign-in sheets to construct database for social network analysis (two-mode, non-dyadic affiliation matrix of 651 individual actors from 179 events) of principle actors in watershed management on the Texas coast.

CONFERENCE PRESENTATIONS

2023 Gold, Jessica Allison Deese, Laura K. Nelson, and Kathrin Zippel. “Reconceptualizing Networks as Practice.” **American Sociological Association**, Philadelphia, PA. *(Presenter)*

2023 Lauterwasser, Jessica R. Gold, Laura K. Nelson, and Kathrin Zippel. “Does an Equity-Minded Organization Produce Equity-Minded Science? The Matthew Effect in NSF ADVANCE Publication.” **American Sociological Association**, Philadelphia, PA.

2023 Gold, Jessica Allison Deese, Laura K. Nelson, and Kathrin Zippel. “Networks as Practice in Unsettled Times.” **Sunbelt Social Networks Conference of the International Network for Social Network Analysis**, Portland, OR. *(Presenter)*

2023 Gold, Jessica, Allison Deese, Laura K. Nelson, and Kathrin Zippel. “Knowledge Dissemination in ADVANCE.” **ADVANCE Equity in STEM Community Convening**, Durham, NC. *(Presenter)*

2023 Jessica Gold. *Invited Panelist.* “ARC Emerging Research Workshops: A Symposium on Ensuring Equity in Big Data, Algorithms, and STEM Language.” **ADVANCE Equity in STEM Community Convening**, Durham, NC.

2022 Gold, Jessica, Laura K. Nelson, and Kathrin Zippel. “The Use of Feminist Language in ADVANCE Publications.” **American Sociological Association**, Los Angeles, CA.

2022 Deese, Allison, Jessica Gold, Laura K. Nelson, and Kathrin Zippel. “Gender Equity During Disruptive Events: Communities of Practice in NSF ADVANCE.” **American Sociological Association**, Los Angeles, CA.

2022 Gates, Alexander J., Jessica Gold, Alice Grishchenko, Laura K. Nelson, and Kathrin Zippel. “ADVANCE Co-Authorship Network: Interactive Visualization.” **ADVANCE Equity in STEM Community Convening**, Washington D.C. *(Voice on Video Presentation)*

2022 Gold, Jessica. *Invited Panelist*. “Closing Plenary Keynote Panel Celebrating Recent ADVANCE Journal Special Issue.” **ADVANCE Equity in STEM Community Convening**, Washington D.C.

2022 Shauman, Kimberlee and Jessica Gold. “Who’s Connected? Gender, Race-Ethnicity and Network Connections in the Faculty Job Market.” **Copenhagen Symposium on Networks and Labor Market Inequalities**, Copenhagen, Denmark.

2022 Gold, Jessica and Kathrin Zippel. “The Use of Feminist Language in ADVANCE Publications.” **Eastern Sociological Association**, Boston, MA. (*Presenter)*

2022 Gold, Jessica and Kathrin Zippel. “The Use of Feminist Language in ADVANCE Publications.” **Sociologists for Women in Society**, Virtual. (*Presenter)*

2019 Gold, Jessica. “Adolescent Dating Violence Perpetration and Status Change: A Network Approach.” **American Sociological Association**, New York, NY. *(Presenter)*

2018 Gold, Jessica and Kimberlee Shauman “Collaboration Networks in STEM Faculty Hiring.” **Sunbelt Social Networks Conference of the International Network for Social Network Analysis**, Utrecht, the Netherlands. *(Presenter)*

GRANTS AND AWARDS

2023-2024 **Virtual Visiting Scholar**, ARC Network – ($20,000)

2020-2021 **Provost’s Dissertation Year Fellowship**, UC Davis – ($48,050)

2018 – 2019 **Problem Solving Sociology Workshop**, Northwestern Univ.

Selected and funded to attend two Problem Solving Sociology Workshops led by Prof. Monica Prasad adapting dissertation proposal to a problem-solving framework.

2019 **Travel Grant**, UC Davis – Graduate Student Association ($500)

2016, 18, 19 **Travel Grant**, UC Davis – Dept. of Sociology ($500, $1100, $500)

2009 **Carol Woody Real World Internship Award**, The College of William and Mary – Dept. of Gender, Sexuality & Women’s Studies

TEACHING EXPERIENCE

2015 - 2017 **Teaching Assistant**, UC Davis

Intermediate Statistics (SOC 106), Self and Society (SOC 002), Classical Social Theory (SOC 100), Social Deviance (SOC 120)

EXTRACURRICULAR, ACADEMIC SERVICE, WORKSHOPS

2021 **ARC Network Emerging Research Workshop** Invited to participate in workshop on “Big Data: Uncovery Existing Patterns of Bias and Eliminating Algorithmic Bias.”

2019-2020 **Data Feminism** reading and research group – participant and group discussion leader

2015 – 2020 **QuanTea** – member and current organizer of sociology’s quantitative methods cluster (weekly)

2020 **DataWrangling for Social Sciences** – co-organizer of three-part workshop for social science graduate students (using Stata and R)

2019-2020 **UC Davis regional Women in Data Science (WiDS) conference** – breakout session leader

2019 – 2020 **Sacramento Women in Data** – participant in monthly meetups

2018 – 2020 **UC Davis DataLab** (formerly Data Science Initiative) – affiliate

2016 – 2020 **Sociology of** **Gender Research Cluster** – participant in bi-quarterly research cluster

2018 – 2020 **Sociology of** **Race, Ethnicity and Immigration Research Cluster** – participant in bi-quarterly research cluster

PROFESSIONAL MEMBERSHIPS

2015 – Present **American Sociological Association**

2016 – Present **International Network for Social Network Analysis**

2021 – Present **Sociologists for Women in Society**