

Jeffrey W. Lockhart

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Academic Positions

- 2022– **James S. McDonnell Postdoctoral Fellow**, *Knowledge Lab*, Sociology, University of Chicago.
- 2021– **Associate**, *GenderSci Lab*, Women, Gender, and Sexuality, Harvard University.
- 2014 **Fellow**, *Data Science for Social Good*, University of Chicago.

Education

- 2022 **Ph.D. Sociology**, *University of Michigan*.
- 2017 **M.A. Sociology**, *University of Michigan*.
- 2015 **M.Phil. Multi-Disciplinary Gender Studies**, *University of Cambridge*.
 - Gates-Cambridge Scholar
- 2014 **M.S. Computer Science**, *Fordham University*.
- 2013 **B.S. Computer Science & Women’s Studies**, *Fordham University*.

Publications

- 2022 **Lockhart, Jeffrey W.** 2022 “The Gay Right: A Framework for Understanding Right Wing LGBT Organizations.” *Journal of Homosexuality* 0(0):1–27. (Preprint)
- 2021 **Lockhart, Jeffrey W.** 2021. “Paradigms of Sex Research and Women’s Participation in STEM.” *Gender & Society* 35(3): 449-475. (Supplemental Materials) (Preprint)
- 2021 **Lockhart, Jeffrey W.** and Abigail Jacobs. 2021 “Scientific Argument with Supervised Learning.” In *Proceedings of the 2021 AI for Science Workshop at NeurIPS*.
- 2020 Schwemmer, Carsten, Carly Knight, Emily Bello-Pardo, Stan Oklobdzija, Martijn Schoonvelde, and **Jeffrey Lockhart**. 2020. “Diagnosing Gender Bias in Image Recognition Systems.” *Socius* 6: 1-17. (Replication Materials)
- 2020 **Lockhart, Jeffrey W.** 2020. “‘A Large and Longstanding Body’: Historical Authority in the Science of Sex.” Pp. 359-386 in *Far-Right Revisionism and the End of History: Alt/Histories*. ed. Louie Dean Valencia-García. New York: Routledge. (Preprint)
- 2020 Azari, Abigail R., **Jeffrey W. Lockhart**, Michael W. Liemohn, and Xianzhe Jia. 2020. “Incorporating Physical Knowledge into Machine Learning for Planetary Space Physics.” *Frontiers in Astronomy and Space Sciences* 7(36), 1-14. (Preprint)
- 2016 Weiss, Gary M., **Jeffrey W. Lockhart**, Tony T. Pulickal, Paul T. McHugh, Isaac H. Ronan, and Jessica L. Timko. 2016. “Actitracker: A Smartphone-based Activity Recognition System for Improving Health and Well-Being.” *Proceedings of the 3rd IEEE International Conference on Data Science and Advanced Analytics (DSAA)*: 682-688.

- 2014 **Lockhart, Jeffrey W.** and Gary M. Weiss. 2014. “[The Benefits of Personalized Smartphone-Based Activity Recognition Models.](#)” *Proceedings of the 2014 SIAM International Conference on Data Mining*: 614-622.
- 2014 **Lockhart, Jeffrey W.**, Gary M. Weiss. 2014. “[Limitations with Activity Recognition Methodology & Data Sets.](#)” *Pervasive and Ubiquitous Computing*: 747-756.
- 2013 Weiss, Gary M., Ashwin Nathan, J. B. Kropp, and **Jeffrey W. Lockhart**. 2013. “[WagTag: A Dog Collar Accessory for Monitoring Canine Activity Levels.](#)” *Pervasive and Ubiquitous Computing*: 405-414.
- 2012 **Lockhart, Jeffrey W.**, Tony T. Pulickal, and Gary M. Weiss. 2012. “[Applications of Mobile Activity Recognition.](#)” *Ubiquitous Computing*: 1,054-1,058.
- 2013 Weiss, Gary M. and **Jeffrey W. Lockhart**. 2012a. “[A Comparison of Alternative Client/server Architectures for Ubiquitous Mobile Sensor-Based Applications.](#)” *Ubiquitous Computing*: 721-724.
- 2012 Weiss, Gary M. and **Jeffrey W. Lockhart**. 2012b. “[The Impact of Personalization on Smartphone-Based Activity Recognition.](#)” *Proceedings of the Activity Context Representation Workshop at AAAI ‘12*: 98-104.
- 2011 **Lockhart, Jeffrey W.**, Gary M. Weiss, Jack C. Xue, Shaun T. Gallagher, Andrew B. Grosner, and Tony T. Pulickal. 2011. “[Design Considerations for the WISDM Smart Phone-Based Sensor Mining Architecture.](#)” *Knowledge Discovery from Sensor Data at KDD*: 25-33.
- 2011 Weiss, Gary M. and **Jeffrey W. Lockhart**. 2011. “[Identifying User Traits by Mining Smart Phone Accelerometer Data.](#)” *Knowledge Discovery from Sensor Data at KDD*: 61-69.

Work In Progress

Lockhart, Jeffrey W. Old Wine in New Decanters: How Machine Learning Serves and Transforms Biological Explanations of Human Difference.

Lockhart, Jeffrey W. Gender and the Constraints of Machine Learning Methods.

Lockhart, Jeffrey W., Munsch, Christin, and King, Molly. Characterizing the Limits of Name-Based Demographic Inference.

Munsch, Christin, **Lockhart, Jeffrey W.**, and King, Molly. Overselling Science: Gender and Self-Promotion in the Social Sciences.

GenderSci Lab colleagues. “A Gender Hypothesis of Sex Disparities in Adverse Drug Events.”

GenderSci Lab colleagues. “Misleading Data: How Missing Information and Poor Quality Distort Findings of Sex Difference in a Key Federal Health Database.”

External Grants and Scholarships

2022–24 **James S. McDonnell Foundation Postdoctoral Fellowship.**

2018 **The Politics of Social Media Images**, *Summer Institute in Computational Social Science, the Russell Sage Foundation, and the Alfred P. Sloan Foundation.*

With Emily Bello-Pardo, Carly Knight, Carsten Schwemmer, Iaacoppo Pozzana, Martin Schoonvelde, and Stan Oklobdzika.

2014–15 **Gates-Cambridge Scholarship.**

2014 **Eric & Wendy Schmidt Data Science for Social Good Summer Fellowship.**

Awards and Honors

2018 Graduate Student Mentor Award, University of Michigan, Department of Sociology.

2015 Elected Scholar, Jesus College Cambridge.

2013 Women's Studies Essay Award, Fordham University.

2013 Herbert W. Bomzer Award in Computer Science, Fordham University.

Conference Presentations

Talks

2021 **Lockhart, Jeffrey W.** and Abigail Z. Jacobs. Scientific Argument with Supervised Learning. *NeurIPS 2021 AI for Science Workshop*.

2021 **Lockhart, Jeffrey W.** and Thomas Bailly. Caught the Bug or Born This Way? Viral and Lineal Transmission of Research Paradigms among Scientists. *Contentious Science, Tricky Politics: Experts and Scientists in Controversial Policy Debates in Europe and North America*. Bordeaux, France.

2021 **Lockhart, Jeffrey W.** Because the Machine Can Discriminate: Neuroimaging, Machine Learning, and Epistemologies of Sex. *American Sociological Association (ASA)*. Online.

2020 **Lockhart, Jeffrey W.** Paradigms of Sex Research and Women in STEM. *American Sociological Association (ASA)*. Online.

2018 Schwemmer, Carsten, Emily Bello-Pardo, Carly Knight, Stan Oklobdzija, Iacopo Pozzana, Martijn Schoonvelde and **Jeff Lockhart**. The Politics of Social Media Images: Potentials and Biases of Image Recognition Algorithms for Studying Congressional Behavior. *European Symposium on Societal Challenges in Computational Social Science: Discrimination and Bias*. Cologne.

2018 **Lockhart, Jeffrey W.** After Assimilation: Gay Right Wing Politics and Social Class in the "Beacon of LGBT Rights". *ASA Sexualities Preconference*. Philadelphia.

2018 **Lockhart, Jeffrey W.** and Elizabeth E. Bruch. Demographic Variation in Pickup Lines (and their Probabilities of Success). *Population Association of America (PAA) and Scientific Panel on Big Data and Population Processes of the International Union for the Scientific Study of Population (IUSSP)*. Denver.

2018 **Lockhart, Jeffrey W.** Demographics of Culture: Using Networks to Study LGBTQ Campus Climate. *Population Association of America (PAA)*. Denver.

2017 **Lockhart, Jeffrey W.** After Assimilation: Conservative LGBT Politics in the 'Beacon of LGBT Rights.' *American Sociological Association (ASA)*. Montreal.

2017 **Lockhart, Jeffrey W.** Proceeding with Justice as an Institution with LGBTQ Students. *AJCU Justice Conference*. Seattle.

2017 Hornbeck, J. Patrick, **Lockhart, Jeffrey W.**, Dougherty, Rachel. Research Perspective: Walking with Our LGBTQ Students. *AJCU Justice Conference*. Seattle.

2017 **Lockhart, Jeffrey W.** From Attitudes to Frames: A Mixed Methods Approach. *Population Association of America (PAA)*. Chicago.

- 2016 **Jeffrey W. Lockhart**. 2016. A Network Analysis of LGBTQ Campus Climate Discourse. *Society for the Scientific Study of Sexuality (SSSS)*. Phoenix.
- 2016 **Jeffrey W. Lockhart**. 2016. Technical Advances in Survey Anonymity and Scaling for Sensitive Subjects Research: A Case Study. *Society for the Study of Social Problems (SSSP)*. Seattle.
- 2012 **Jeffrey W. Lockhart**. 2012. Applications of Mobile Activity Recognition. *International Workshop on Situation, Activity and Goal Awareness. (at UbiComp)*. Pittsburgh.
- 2012 **Jeffrey W. Lockhart**. 2012. The Impact of Personalization on Smartphone-Based Activity Recognition. *Activity Context Representation Workshop. (at AAAI)*. Toronto.
- 2011 **Jeffrey W. Lockhart**. 2011 Design Considerations for the WISDM Smart Phone-Based Sensor Mining Architecture. *Fifth International Workshop on Knowledge Discovery from Sensor Data (at KDD)*. San Diego.

Invited Panels

- 2022 Chris Bourg, San Juanita Garcia, Molly M. King, and **Jeffrey Lockhart** “Special Session: Intersectional Perspectives on Knowledge Production and Open Science.” *American Sociological Association (ASA)*. Los Angeles.
- 2021 **Lockhart, Jeffrey W.** “Fairness and ethical AI in healthcare.” *NeurIPS ML4Health workshop*.

Selected Professional Service Activities

- Reviews for American Journal of Sociology; Sociological Methodology; Socius; Journal of Homosexuality; Du Bois Review; Machine Learning; EPJ Data Science; Int’l Conference on Pervasive Computing Technologies for Healthcare.
- 2018-22 **Chair**, LGBTQ Caucus, ASA.
Term divided into chair-elect, chair, and past-chair, then extended for the pandemic.
- 2017-21 **Website Administrator**, Sexualities Section, ASA.
- 2016, 19 **Application Reviews**, *Data Science for Social Good (DSSG) Fellowship*.
- 2015-17 **Chair**, Student Research & Survey Subcommittee, Sociologists for Women in Society (SWS).
- 2013-14 **Co-founding Organizer**, IgnatianQ: The Ignatian LGBTQ & Ally Conference.