Jeffrey W. Lockhart

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Education

2015–   **Ph.D. Sociology**, *University of Michigan.*

2017   **M.A. Sociology**, *University of Michigan.*

2015   **M.Phil. Multi-Disciplinary Gender Studies**, *University of Cambridge*, *With Distinction.*
- Gates-Cambridge Scholar
- Dissertation: "Discourses in Contemporary LGBT+ Organizing: Understandings of Violence in the British Right-Wing" (Advisor: Lauren B. Wilcox)

2014   **M.S. Computer Science**, *Fordham University.*
- Thesis: "The Benefits of Personalized Data Mining Approaches to Human Activity Recognition with Smartphone Sensor Data" (Advisor: Gary M. Weiss)

2013   **B.S. Computer Science & Women's Studies**, *Fordham University*, *Summa Cum Laude.*
- Thesis: "Forging Futures, Finding Joy: Forgetting and Grief in Queer Ethics" (Advisors: Judith M. Green & Corey McEleney)
  - Received the Fordham Women's Studies Essay Award

Academic Positions

2015–   **Trainee**, *Population Studies Center*, Institute for Social Research, University of Michigan.
Working with data from a large online dating site under the direction of Dr. Elizabeth Bruch.
- Funded by NIH NICHD grant T32 HD007339.

2017–19   **Graduate Student Research Assistant**, *Computational social science course design*, University of Michigan.

2012–18   **Principal Investigator**, *Fordham Que(e)ry.*
An international collaboration between researchers across North America to gather and curate a centralized database of campus climate data.
- Quantitative and qualitative survey-based investigation of LGBTQ college students' perceptions of bias, discrimination, and their effects.
- Funded by internal grants at several universities.

2014 **Fellow**, *Data Science for Social Good*, University of Chicago.
Apply advanced data science methods and technologies to social data sets, partnering with nonprofits, INGO's, and government agencies.
  ○ Primary project: helping the Nurse-Family Partnership identify the mothers it can best serve and tailor its program for. Data includes a three-year longitudinal cohort of 36,000 mothers and babies, and case notes from over one million nurse home visits. Video.

2010–14 **Research Assistant**, *Wireless Sensor Data Mining (WISDM) Lab*, Fordham Univeristy.
Working under Dr. Gary Weiss. Data mining with smart phone sensor data for biometric gate and activity recognition to track and encourage exercise for fitness and health.
  ○ Funded by NSF grant IIS-1116124, Google Inc., and Fordham University.

Peer-Reviewed Publications

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. in *Proceedings of the 3rd IEEE International Conference on Data Science and Advanced Analytics (DSAA)*. Montreal.

2014 **Lockhart, Jeffrey W.** and Gary M. Weiss. 2014. The Benefits of Personalized Smartphone-Based Activity Recognition Models. Pp. 614–622 in *Proceedings of the 2014 SIAM International Conference on Data Mining*. Philadelphia.

  * **Lockhart, Jeffrey W.**, Gary M. Weiss. 2014. Limitations with Activity Recognition Methodology & Data Sets. Pp. 747–756 in *Proceedings of the 2014 ACM Conference on Pervasive and Ubiquitous Computing Adjunct Publication*. Seattle.

2013 Weiss, Gary M., Ashwin Nathan, J. B. Kropp, and **Jeffrey W. Lockhart**. 2013. WagTag: A Dog Collar Accessory for Monitoring Canine Activity Levels. Pp. 405–414 in *Proceedings of the 2013 ACM Conference on Pervasive and Ubiquitous Computing Adjunct Publication*. Zurich.

2012 **Lockhart, Jeffrey W.** 2012. Gendered Classrooms and Gendered Attire: Doing Gender on a College Campus. *Fordham Undergraduate Research Journal* 2:32–36.

  * **Lockhart, Jeffrey W.**, Tony T. Pulickal, and Gary M. Weiss. 2012. Applications of Mobile Activity Recognition. Pp. 1,054–1,058 in *Proceedings of the 2012 ACM Conference on Ubiquitous Computing*. Pittsburgh.

* Weiss, Gary M. and **Jeffrey W. Lockhart**. 2012a. A Comparison of Alternative Client/server Architectures for Ubiquitous Mobile Sensor-Based Applications. Pp. 721–724 in *Proceedings of the 2012 ACM Conference on Ubiquitous Computing*. Pittsburgh.

* Weiss, Gary M. and **Jeffrey W. Lockhart**. 2012b. The Impact of Personalization on Smartphone-Based Activity Recognition. Pp. 98–104 in *Proceedings of the Activity Context Representation Workshop at AAAI '12*. Toronto.

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. Pp. 25–33 in Proceedings of the *Fifth International Workshop on Knowledge Discovery from Sensor Data at KDD '11*. San Diego.

* Weiss, Gary M. and **Jeffrey W. Lockhart**. 2011. Identifying User Traits by Mining Smart Phone Accelerometer Data. Pp. 61–69 in *Proceedings of the Fifth International Workshop on Knowledge Discovery from Sensor Data at KDD '11*. San Diego.

* **Lockhart, Jeffrey W.** 2011. Mobile Sensor Data Mining. *Fordham Undergraduate Research Journal* 1:67–68.

Work In Progress

Journal Article   **Lockhart, Jeffrey W.** Right Wing Gay Movements, Identity, and Politics *(Under Review)*.

Journal Article   **Lockhart, Jeffrey W.** and Bruch, Elizabeth E. Pickup Lines in Heterosexual Online Dating. *(In Preparation)*.

Journal Article   Schwemmer, Carsten, Emily Bello-Pardo, Carly Knight, **Jeffrey Lockhart**, Stan Oklobdzija, Iacopo Pozzana, and Martijn Schoonvelde. The Politics of Social Media Images: Potentials and Biases of Image Recognition Algorithms for Studying Congressional Behavior. *(In Preparation)*.

Grants and Scholarships

Over $10,000

2015–20 **Sociology Graduate Fellowship**, *University of Michigan*.
Highly-competitive, five-year award including tuition, stipend, and benefits

2016–17 **Training Grant**, *Population Studies Center*.
Tuition, stipend, and benefits funded by the NIH Eunice Kennedy Shriver National Institute of Child Health and Development (NICHD)

2014–15 **Gates-Cambridge Scolarship**.
For intellectually outstanding postgraduate students with a capacity for leadership and a commitment to improving the lives of others. Full cost of a degree at the University of Cambridge and stipend

2014 **Eric & Wendy Schmidt Data Science for Social Good Summer Fellowship**.
Applying data science to sociology and public policy

2013–14 **Research Assistantship**, *Wireless Sensor Data Mining Lab*, Fordham University.
M.S. tuition and stipend funded through the National Science Foundation (NSF)

2009–13 **Presidential Scholarship**, *Fordham University*.
Full tuition awarded annually on the basis of continuing academic merit

$1,000 – $10,000

2018 **The Politics of Social Media Images**, *SICSS, 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).

2016-17 **Rackham Interdisciplinary Workshop Grant (annual)**, *University of Michigan*, (Computational Social Science Workshop, co-organized with Dylan Nelson).

2017 **Small Grant**, *Ronald and Deborah Freedman Fund for International Population Activities*, (to organize a panel on combining data science and traditional survey methodology).

* **LGBTQ Climate in Jesuit Higher Education**, *Fordham University*.

2013 **Graduate Assistantship**, *Fordham Gender and Sexuality Working Group*.
Funded through the Fordham Center for Teaching Excellence

* **Graduate Assistantship**, *Fordham Women's Studies Program*.
Funded through a Mellon Faculty Research Grant for course development and program review

* **Undergraduate Research Grant**, *Fordham College Rose Hill*.
"Activity Recognition with Household Pets for Health and Behavior Monitoring"

2009-13 **National Merit Scholarship**.

2012 **Summer Science Internship**, *Fordham College Rose Hill*.
"Identifying User Clusters Using Triaxial Accelerometer Activity Data"

* **Undergraduate Research Grant**, *Fordham College Rose Hill*.
"Que(e)ry: LGBTQ Discrimination Perceptions Survey"

2011	**Summer Science Internship**, *Fordham College Rose Hill.*
	"A Novel System for Cell-phone Based Activity Model Induction"
2010	**Summer Science Internship**, *Fordham College Rose Hill.*
	"Data Mining of Mobile Wireless Accelerometer Data"

Awards and Honors

2015	Elected Scholar, Jesus College Cambridge
2013	Women's Studies Essay Award, Fordham University
2013	Herbert W. Bomzer Award in Computer Science, Fordham University
Member	Phi Kappa Phi, Academic Honor Society
Member	Sigma Xi, Scientific Research Society
2013	Certificate of Excellence for Exceptional Student Leadership, Fordham University
2011	Certificate of Merit for Research, Fordham College[1]
2011	Certificate of Merit for Research, Fordham College[2]

Conference Presentations

Talks

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

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

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

   * **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.

   * **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.

2015 **Jeff Lockhart**. 2015. Contemporary Discourses of Violence in LGBT+ Organizing in Britain's Right. *Gates-Cambridge Annual Symposium.* University of Cambridge.

   * **Jeff Lockhart**. 2015. Mars and Venus: The Desperate Search for Sex Differences in Biology. *Jesus College Graduate Conference.* University of Cambridge.

2013 **Jeffrey W. Lockhart**. 2013. Sexual and Gender Minority Students Speak Out: A Campus Climate Survey. *Fordham College at Rose Hill Undergraduate Research Symposium.* Bronx.

   * Jessica Timko and **Jeffrey W. Lockhart**. 2013. Gait Pattern Identification and Matching Using Smartphone Accelerometers. *Fordham College at Rose Hill Undergraduate Research Symposium.* Bronx.

2012 **Jeffrey W. Lockhart**. 2012. Applications of Mobile Activity Recognition. *International Workshop on Situation, Activity and Goal Awareness. (at UbiComp).* Pittsburgh.

   * **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.

* **Jeffrey W. Lockhart**. 2011. An Architecture for Automated and Scalable Real-Time Data Mining of Cell Phone Sensor Data. *Fordham College at Rose Hill Undergraduate Research Symposium*. Bronx.

* **Jeffrey W. Lockhart**. 2011. Actitracker: a Smart Phone-Based System for Activity Recognition. *STEM Faculty-Students Research Workshop*. Fordham University.

* **Jeffrey W. Lockhart**. 2011 Automated and Scalable Real-Time Data Mining of Cell Phone Sensor Data. *The National Conference on Undergraduate Research*. Ithaca.

Invited

2015 **Jeff Lockhart**. 2015. The Students Are Not All Right: LGBT+ Student Lives beyond the Happy Normal and the Suicidal Exception. Centre for Gender Studies, University of Cambridge. 4 March.

2014 **Jeff Lockhart**. 2014 A Sociological Perspective on the Status of LGBTQ Students at Jesuit Colleges and Universities. *IgnatianQ: The Ignatian LGBTQ & Ally Conference*. New York. 6 April.

* Margaret Abraham, Zandria Robinson, Jason Sumerau, Katie Acosta, Kim Tauches, and **Jeff Lockhart**. 2014. SWS Report Cards in Action: How Do We Negotiate Our Own Gender, Sexuality, and Intersecting Identities in the Classroom? Panel. *Sociologists for Women in Society Winter Meeting*. Nashville. 7 February.

2013 Patrick Hornbeck, Heather Himes, and **Jeff Lockhart**. 2013. Journeying with LGBT Students at Jesuit Universities Panel. *Association of Jesuit Colleges and Universities Conference of Campus Ministry Directors*. Bronx). 24 October.

Posters

2016 **Jeffrey W. Lockhart**. 2016. Replacing Confidentiality with (Verified) Anonymity to Reduce Security Risks in Research Data. *Michigan IT Symposium*. Ann Arbor, MI

2014 Abraham, Sarah, **Jeff Lockhart**, Sarah Tan, Rafael Turner, and Young-Jin Kim. 2014. Identifying At-Risk Mothers for Targeted Interventions. *ACM SIGKDD Conference on Knowledge Discovery and Data Mining*. New York.

* **Jeffrey W. Lockhart** 2014. The Benefits of Personalized Smartphone-based Activity Recognition Models. *SIAM International Conference on Data Mining*. Philadelphia.

2013 McHugh, Paul, *et al.* 2013. Actitracker: A Smartphone-based Activity Recognition System. *Fordham College at Rose Hill Undergraduate Research Symposium*. Bronx.

2012 **Jeff Lockhart**. 2012. Smart Phone-Based Sensor Mining for Biometric Identification and Activity Recognition. *Council on Undergraduate Research: Posters on the Hill*. Washington, D.C.

Round Tables

2019 **Lockhart, Jeffrey W.** 2019. The Curious Rise of Feminist Biology: A Half Century of Insurgent Science. *American Sociological Association (ASA)*. New York.

2019 **Lockhart, Jeffrey W.** 2019. The Growth of Feminist Biology. *Sociologists for Women in Society (SWS)*. Denver.

2018 **Lockhart, Jeffrey W.** 2018. Approaches to Text Analysis for Finding Cultural Groups: LGBTQ Campus Climate. *American Sociological Association (ASA)*. Philadelphia.

2016 **Jeffrey W. Lockhart**. 2016. Beyond Victimization: Assimilation and National Identity in LGBT Organizing. *SWS Winter Meeting*. Memphis.

Discussant

2017 Sexual Identities, Sexual Communities, and the Production of Place. ASA Sexualities Section Roundtable. Montreal, 12-15 August.

2015 Negotiating Race, Class and Gender Identities across Time and Space. ABS–SWS Joint Roundtables. Chicago, 22-25 August (at ASA).

Teaching Experience

Curriculum Design

2017-19 Computational Social Science, University of Michigan
- Graduate and undergraduate course, with labs in python.

2019 UM Data Camp, University fo Michigan
- Week-long, intensive computational tools and methods workshop for early career researchers.

2017-18 Data Science with Social Science Data workshops, University of Michigan Consulting for Statistics, Computing & Analytics Research

Short Courses & Workshops

2017-19 Instructor, Big Data Camp, University of Michigan

2017 Instructor, Introduction to Data Manipulation, Ann Arbor Data Dive

2017 Teaching Assistant, Complex Systems Modeling for Public Health Research, University of Michigan

Mentoring Undergraduate Research

2019   Sociology Undergraduate Research Opportunity program: train and supervise undergraduate research assistants gathering historical and biographical data.

2016   Sociology Undergraduate Research Opportunity program: train and supervise three undergraduate research assistants coding and analysing qualitative data.

2015-16   Sociology honors thesis mentor

Guest Teaching & Lectures

2019   Gender Inequality. Soc/AmCult 221: Unequal America: Understanding Social Inequality, University of Michigan

2017   Introduction to Text Analysis. Social Dynamics, University of Michigan

2014   Methodology and Ethics with Sensitive Topics. Ethics in Research, Fordham University

*   Asking the Right Questions of Data. Data Mining, Fordham University

*   Queer Theory and Feminist Philosophy. Feminist Theories in Intercultural Perspective, Fordham University

2013   The History and Future of the Gay Movement in the United States. Gender, Bodies, Sexuality, Fordham University

*   Bullying and Masculinity, LGBTQ High School and College Students. Intro to Sociology, Fordham University

*   The Sociology of Sexuality. Intro to Sociology, Fordham University

*   Data Mining Techniques for Human Gait and Activity Recognition Using Time-Series Accelerometer Data[1]. Data Mining, Fordham University

*   Data Mining Techniques for Human Gait and Activity Recognition Using Time-Series Accelerometer Data[2]. Data Mining, Fordham University

*   Queer Theory and Feminist Philosophy. Feminist Theories in Intercultural Perspective, Fordham University

Professional Service Activities

Reviews for   Journal of Homosexuality; Socius; Machine Learning; Int'l Conference on Pervasive Computing Technologies for Healthcare; Fordham Undergraduate Research Journal

2017–   **Website Admnistrator**, Sexualities Section, ASA.

2019-21   **Chair**, LGBTQ Caucus, ASA.
Term divided into chair-elect, chair, and past-chair

2016, 19 **Applicant Reviews**, *Data Science for Social Good (DSSG) Fellowship.*

2019 **Organizer**, UM Data Camp, University of Michigan.

2016-18 **Student Co-ordinator**, Computational Social Science workshop series, University of Michigan.

2016-18 **Member**, A2 Data Drive Subcommittee, Institute for Social Research, University of Michigan.

2015-17 **Chair**, Student Research & Survey Subcommittee, Sociologists for Women in Society (SWS).

2016 **Session Organizer**, 63: LGBTQ Campus Climate: Findings from the Multi-Site Que(e)ry Survey, Society for the Study of Social Problems (SSSP).

2016 **Table Organizer**, Breakfast with Scholars: Feminist Methodology, Sociologists for Women in Society (SWS).

2015 **Delegate**, Global Scholars Symposium.

2013-14 **Organizing Committee**, Fordham Queer Seminar.

2013-14 **Co-founding Organizer**, IgnatianQ: The Ignatian LGBTQ & Ally Conference.

2012-13 **Member**, Fordham Women's Studies Working Group on Queer Theory.

2012-13 **Member**, Fordham College Undergraduate Research Council.

2012-13 **Book Review Committee**, Fordham Undergraduate Research Journal.

2011-13 **Review Staff**, Fordham Undergraduate Research Journal.