

# Jeffrey W. Lockhart

[www-personal.umich.edu/~jwlock](http://www-personal.umich.edu/~jwlock)

[jw\\_lockhart](https://twitter.com/jw_lockhart)

[jwlockhart](https://www.github.com/jwlockhart)

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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

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## Academic Positions

- 2017–Present **Graduate Student Research Assistant**, *Computational social science course design*, University of Michigan.
- 2015–Present **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.
- 2012–Present **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 University.  
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.

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## 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 3<sup>rd</sup> 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.

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## Work In Progress

- Journal Article **Lockhart, Jeffrey W.** Strategies of the Gay Right (*In Preparation*).
- Journal Article **Lockhart, Jeffrey W.** and Bruch, Elizabeth E. Pickup Lines in Heterosexual Online Dating. (*In Preparation*).

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## 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 Scholarship**.  
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**
- 2016-18 **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"

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## 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<sup>1</sup>  
2011 Certificate of Merit for Research, Fordham College<sup>2</sup>

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## Conference Presentations

### 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.

### Talks

- 2018 **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.

### 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

- 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).

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## Teaching Experience

### Curriculum Design

- 2017-18 Computational Social Science labs and exercises in python, University of Michigan
- 2017-18 Data Science with Social Science Data workshops, University of Michigan Consulting for Statistics, Computing & Analytics Research

### Short Courses & Workshops

- 2017-18 Instructor, [Big Data Summer 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

- 2016 Sociology Undergraduate Research Opportunity program: train and supervise two undergraduate research assistants coding and analysing qualitative data.
- 2015-16 Sociology honors thesis mentor

### Guest Teaching & Lectures

- 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<sup>1</sup>. Data Mining, Fordham University
  - \* Data Mining Techniques for Human Gait and Activity Recognition Using Time-Series Accelerometer Data<sup>2</sup>. Data Mining, Fordham University



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

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## 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 Administrator**, Sexualities Section, ASA.
  - 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.