

# 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

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## Academic Positions

- 2017–Present **Graduate Student Research Assistant**, *Computational social science lab 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.** After Assimilation: Right-Wing Gay Politics in the "Beacon of LGBT Rights." (*In Preparation*).
- Journal Article **Lockhart, Jeffrey W.** Many Truths: What Diverse Text Analysis Methods Say about a Single Corpus. (*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.** Demographics of Culture: Using Networks to Study LGBTQ Campus Climate. *Population Association of America (PAA)*. Denver.
  - \* **Lockhart, Jeffrey W.** and Elizabeth E. Bruch. Demographic Variation in Pickup Lines (and their Probabilities of Success). *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

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

### Short Courses & Workshops

- 2017 Instructor, Introduction to Data Manipulation, Ann Arbor Data Dive
- 2017 Instructor, [Big Data Summer Camp](#), University of Michigan Interdisciplinary Committee on Organizational Studies
- 2017 Teaching Assistant, Complex Systems Modeling for Public Health Research, University of Michigan

### Mentoring Undergraduate Research

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

### Guest Teaching & Lectures

- 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 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.