

# CONNOR GILROY

Computational sociologist & PhD student

## EDUCATION

expected  
2022  
|  
2018

### PhD, Sociology

University of Washington

Seattle, WA

Comprehensive Exam: "Community: Origins, Processes, and Consequences."  
Passed with distinction (June 2019) | [reading list](#)

Certificate: Special Concentration in Social Statistics (May 2019)

2018  
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2015

### MA, Sociology

University of Washington

Seattle, WA

Thesis: "How Distinct is Gay Neighborhood Change? Patterns and Variation in Gayborhood Trajectories." | [full text](#)

- Department of Sociology Outstanding Master's Thesis (2019)
- Graduate School Distinguished Thesis Award in Social Sciences (2019)

Committee: Kate Stovel (chair), Emilio Zagheni

2013  
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2009

### BA, Biology and Geophysical Sciences

University of Chicago

Chicago, IL

Minor: Gender and Sexuality Studies

## PUBLICATIONS

2021

### Digital Traces of Sexualities: Understanding the Salience of Sexual Identity through Disclosure on Social Media

Gilroy, Connor and Ridhi Kashyap. *Socius* 7:1-18. doi: [10.1177/23780231211029499](#)

2020

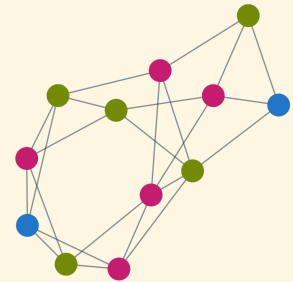
### Measuring the Predictability of Life Outcomes with a Scientific Mass Collaboration

Salganik, Matthew J., Ian Lundberg, Alexander T. Kindel, [and 109 others, including Connor Gilroy]. *Proceedings of the National Academy of Sciences* 117(15):8398-8403. doi: [10.1073/pnas.1915006117](#)

2019

### Humans in the Loop: Incorporating Expert and Crowdsourced Knowledge for Predictions using Social Survey Data

Filippova, Anna, Connor Gilroy, Ridhi Kashyap, Antje Kirchner, Allison C. Morgan, Kivan Polimis, Adaner Usmani, and Tong Wang. *Socius* 5: 1-15. doi: [10.1177/2378023118820157](#). (corresponding author)



## CONTACT

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🌐 [students.washington.edu/cgilroy](https://students.washington.edu/cgilroy)

🐙 [github.com/ccgilroy](https://github.com/ccgilroy)

🐦 [@ccgilroy](https://twitter.com/ccgilroy)

📞 731-225-0001

## SKILLS

**Programming:** R, Python, Stan, SQL

**Data science:** Statistical modeling and data visualization of survey, network, spatial, and text data. Combining disparate data sources, including from web-scraping, APIs, and Hive tables.

**Language:** English (native), Spanish (advanced), Japanese (advanced), French (intermediate)

*This resume was made with the R package [pagedown](#).*

*Last updated on 2021-07-26.*



## WORK IN PROGRESS

- **How Distinct is Gay Neighborhood Change? Patterns and Variation in Gayborhood Trajectories**
- **Geography or Gemeinschaft? Disentangling the meaning of “community” through word embeddings**
- **Social Structure and Change in Public Opinion: The Case of Same-Sex Marriage**

With Katherine Stovel. Invited book chapter for *Architecture of the Social*, Peter Hedström and Petri Ylikoski, editors. *draft submitted September 2016*



## RESEARCH EXPERIENCE

present  
|  
2020

- **Graduate Research Assistant**  
University of Washington 📍 Seattle, WA  
• Text and network community detection (with Zack Almquist) | [Python](#), [R](#)

2020

- **User Experience Research Intern**  
Facebook 📍 Seattle, WA  
• Quantitative studies of participation in new communities | [R](#), [SQL](#)

2020

- **Consultant, Survey Data Analysis**  
The World Bank Group 📍 Washington, DC  
• Modeling and visualization of gender-based disparities in Central Asia (with Stephen Winkler, supervisor Audrey Sacks) | [R](#) | [story based on analysis](#)

2018  
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2015

- **Graduate Research Assistant**  
University of Washington 📍 Seattle, WA  
• Agent-based network models (with Katherine Stovel) | [NetLogo](#), [R](#)



## TEACHING EXPERIENCE

- **Instructor**  
University of Washington 📍 Seattle, WA  
• SOC 225: Data and Society (2018, 2019) | [syllabus](#), [lab materials](#)

- **Graduate Teaching Assistant**  
University of Washington 📍 Seattle, WA  
**Undergraduate:**
  - SOC 316: Sociological Theory (2019)
  - SOC 225: Data and Society (2018)
  - SOC 401 A: Data Science and Population Processes (2017)
  - SOC 351: Intimate Relationships (2016)

### Graduate:

- SOC 504, 505, 506: Social Statistics (2019-2020)
- CSSS 564: Bayesian Statistics for the Social Sciences (2018, 2019) | [lab materials](#)

## FELLOWSHIPS, HONORS, & AWARDS

**2019.** Graduate School Distinguished Thesis Award in Social Sciences

**2019.** Department of Sociology Outstanding Master's Thesis

**2018.** Travel Award, Schwartz Endowment, University of Washington (\$1000)

**2017.** Best Poster (for “Extending the Demography of Sexuality with Digital Trace Data”) (co-winner), Fall Lightning Talks and Poster Session, Center for Studies in Demography and Ecology, University of Washington

**2017.** Travel Award, Graduate School Fund for Excellence and Innovation, University of Washington (\$500)

**2017.** Participant in the Russell Sage Foundation Summer Institute in Computational Social Science (SICSS), Princeton University

**2016–2017.** NIH Big Data to Knowledge (BD2K) Fellowship, Center for Studies in Demography and Ecology, University of Washington (\$23376)

**2016.** Schwartz Award, Department of Sociology, University of Washington (\$3500)

**2015–2016.** Top Scholar Award, Graduate School Fund for Excellence and Innovation, University of Washington

## Workshops and lectures

- **Instructor**, Workshop on Word Embeddings for the Social Sciences  
Computational Social Science reading group, Sociologists of Digital Things  
(2021) | [materials](#)
- **Guest Lecturer**, Demography and Data Science  
CSSS 563: Statistical Demography (Instructor: Adrian Raftery), University of Washington  
(2020, 2021) | [lecture materials](#), [lab materials](#)
- **Instructor**, Introduction to tidycensus (with Neal Marquez)  
Computational Demography Working Group, Center for Studies in Demography and Ecology, University of Washington  
(2020) | [materials](#)
- **Organizer**, Seattle partner location for the Summer Institute in Computational Social Science (SICSS-Seattle) (with Bernease Herman)  
eScience Institute, University of Washington  
(2018) | [website](#)
- **Facilitator**, IUSSP Training workshop on Social Media, Big Data and Digital Demography (with Emilio Zagheni)  
Side meeting at the International Population Conference, Cape Town  
(2017) | [materials](#)



## OTHER WORK EXPERIENCE

2015  
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2013

- **Quality Assurance**  
Epic Systems Corporation 📍 Verona, WI  
• Automated and manual software testing | C#, Python, Excel



## CONFERENCE PRESENTATIONS

2021  
(planned)

- **Geography or Gemeinschaft? Disentangling the Meaning of “Community” through Word Embeddings**  
Annual Meeting of the American Sociological Association 📍 Virtual  
Sociology of Culture Section Roundtable Session, “Meaning and Metaphor”

2019

- **Digital Traces of Sexualities: How Patterns of Social Media Disclosure Can Extend the Demography of Sexuality**  
Annual Meeting of the American Sociological Association 📍 New York, NY  
Regular session, “Sexualities I: Measuring Continuity and Change in Sexualities”

2018

- **How Distinct is Gay Neighborhood Change? Patterns and Variation in Gayborhood Trajectories**  
Annual Meeting of the American Sociological Association 📍 Philadelphia, PA  
Special session on “The Social and Cultural Construction of Places”

2018

- **Power in the Pipeline? Queer Accountability and the Ethics of Data Processing**  
ASA Sexualities Section Preconference 📍 Philadelphia, PA  
“Methodologically Queer” panel

2018

- **Extending the Demography of Sexuality with Digital Trace Data**  
Population Association of America Annual Meeting 📍 Denver, CO  
Session on Families, Social Media, and Technology

## SERVICE

Reviews for *American Sociological Review*, *Socius*, *Demographic Research*, *CHI*, *Journal of Homosexuality*

**2020–present.** Secretary, Graduate Student Association, Department of Sociology, University of Washington

**2018–2020.** Organizer, Computational Demography Working Group, Center for Studies in Demography and Ecology, University of Washington

**2018.** Influencer, Social Media Team, ASA Sexualities Preconference

**2016–2017.** Officer, Rainbow Grads, University of Washington

**2015–2017.** Wiki Coordinator, Graduate Student Association, Department of Sociology, University of Washington

2017



**Social Movement Framing in the Media: The Case of Recent  
Anti-LGBT Legislation in the United States**

Annual Meeting of the American

Sociological Association

Sociology of Sexualities Roundtable Session

📍 Montréal, QC, Canada