CONNOR GILROY

Computational sociologist & PhD student

🎓 EDUCATION

PhD, Sociology

expected 2022 | 2018

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)

MA, Sociology

2018 | 2015

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

BA, Biology and Geophysical Sciences

2013 | 2009

University of Chicago 📍 Chicago, IL

Minor: Gender and Sexuality Studies

📖 PUBLICATIONS

Measuring the Predictability of Life Outcomes with a Scientific Mass Collaboration

2020

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

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

2019

Anna Filippova, **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)
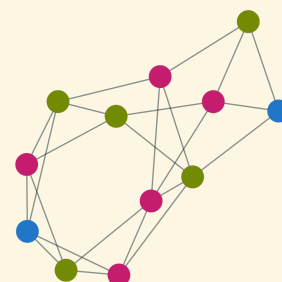
📖 WORK IN PROGRESS

Digital Traces of Sexualities: Patterns of Social Media Disclosure and the Salience of Sexual Identity

With Ridhi Kashyap. *Submitted*

How Distinct is Gay Neighborhood Change? Patterns and Variation in Gayborhood Trajectories

CONTACT

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⧉ github.com/ccgilroy

🐦 @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)

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
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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

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   📍 Philadelphia, PA
Sociological Association
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   Montréal, QC, Canada
Sociological Association
Sociology of Sexualities Roundtable Session