

IHSAN KAHVECI

CURRICULUM VITAE

Department of Sociology
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EDUCATION

- 2019 – PhD Candidate, Sociology
University of Washington, Seattle, WA
- Graduate Certificate in Demography, CSDE
 - Concentration in Social Statistics, CS&SS
- 2021 – Affiliated Student, Population Health and Data Science
Max Planck Institute for Demographic Research (MPIDR), Rostock, Germany
- 2019 - 2021 MA, Sociology
University of Washington, Seattle, WA
- Thesis: “Nationalism and Religious Discourse: Examining the Kurdish-Turkish Conflict”
 - Committee: Zack Almquist (chair), Steve Pfaff, Resat Kasaba
- 2014 - 2019 BA, Management, *High Honors*
Bogazici University, Istanbul, Turkey

RESEARCH INTERESTS

Social Networks, Survey Methodology, Health, Misinformation, Homelessness, Hard-to-Reach Populations

EMPLOYMENT

- 2021 – **Graduate Research Assistant**
The Social, Spatial, and Dynamic Analysis Lab
PI: Dr. Zack W. Almquist, University of Washington
- Respondent Driven Sampling for Improved Point-in-Time Count in King County
 - Feasibility Study for Puget Sound Longitudinal Health and Wellbeing Data Project
 - Vaccine Hesitancy Among Healthcare Workers on Twitter
 - Quantified Self: Societal Implications of Self-Tracking
 - Literature Survey on Demography, Health, and Data Science
- Summer 2023 **Graduate Research Assistant**
Center for Studies in Demography and Ecology, University of Washington
PI: Dr. Jessica Godwin
- Combined WA tax records and building permits with Census 2020 counts to analyze the areas of under and over-estimating housing and population counts.
 - Provided statistical recommendations for Seattle City Officials for a possible recount.
 - Created interactive maps to summarise spatial patterns to policymakers.
 - Developed an internal R package to ensure reproducibility and collaboration.

Summer 2022 **Data Science for Social Good Fellow**

eScience Institute, University of Washington

PI: Dr. Jennifer L. Romich – Project: [Tracking Poverty](#)

- Designed a PostgreSQL database for big administrative data.
- Conducted interviews with various stakeholders.
- Created statistical models to predict household composition.
- Developed a prototype for future researchers.

PUBLICATIONS

Peer-Reviewed Articles

Almquist, Zack W, **Ihsan Kahveci**, Mary A. Hazel, Owen Kajfasz, Janelle Rothfolk, Claire Guilmette, M C Anderson, Larisa Ozeryansky, and Amy Hagopian. (2024) “Innovating a Community-Driven Enumeration and Needs Assessment of People Experiencing Homelessness: A Network Sampling Approach for the HUD-Mandated Point-in-Time Count.” *American Journal of Epidemiology*. doi.org/10.1093/aje/kwae342.

Book Chapters

Almquist, Zack W., Courtney Allen, and **Ihsan Kahveci**. (*in press*). “Computational Demography and Health”. In: *Handbook of Computational Social Science*. Ed. by T. Yasseri. Edward Elgar Publishing. [In Press] doi.org/10.48550/arXiv.2309.13056

In Progress

Almquist, Zack W., **Ihsan Kahveci**, Owen Kajfasz, Janelle Rothfolk, Amy Hagopian. “Understanding the Personal Networks of People Experiencing Homelessness in King County, WA with Aggregate Relational Data.” [Under Review]. doi.org/10.48550/arXiv.2411.13517

Kahveci, Ihsan, Tim Thomas, Nathalie E. Williams, Paul L. Hebert, Amy Hagopian, Zack W. Almquist. “The relationship between eviction, substance use, and health among people experiencing homelessness in King County, WA” [Submitted]

Murfeldt, Ryan, Naomi Alterman, **Ihsan Kahveci**, Jevin West. “RIP Twitter API: A Collection of 27,453 Studies Conducted when Twitter Data was Free.” [Submitted]. <https://doi.org/10.48550/arXiv.2404.07340>

Kahveci, Ihsan, Daniela Perrotta, James H. Jones and Zack W. Almquist. “Measuring the Quality of Online Recruitment for Demographic and COVID-19 Pro-Social Behavior.”

Kahveci, Ihsan, Mallory Harris, Elizabeth Nova, Zach Hsiao, Kolina Koltai, Emma Spiro, and Zack W. Almquist. “Talking about the Jab: Medical Professionals’ Expressions of Vaccine Hesitancy Online.”

Kahveci, Ihsan. “Nationalism and Religious Discourse: Examining the Kurdish-Turkish Conflict.”

CONFERENCE PRESENTATIONS

2024 Kahveci, I., T. Thomas, O. Kajfasz, J. Rothfolk, C. Guilmette, N.E. Williams, P. Hebert, A. Hagopian, Z W. Almquist. “Eviction increases the risk of mental health harm among people experiencing homelessness in King County, WA.” [Oral presentation]. The American Public Health Association Annual Meeting, Minneapolis, MN.

- 2024 Kahveci, I., N.E. Williams, P. Hebert, A. Hagopian, Z.W. Almquist (August 9-13). "Mode and Instrument Comparison of Surveys on Homelessness using Respondent-Driven Sampling." [Roundtable presentation]. The American Sociological Association (ASA) Annual Meeting, Montreal, Canada.
- 2024 Kahveci, I., N.E. Williams, P. Hebert, A. Hagopian, Z.W. Almquist (April 17-20). "Mode and Instrument Comparison Between Standard Social Survey Questions and HUD Administrative Questions." [Poster presentation]. Population Association of America Annual Meeting, Columbus, OH.
- 2023 Kahveci, I., D. Perrotta, J. H. Jones, and Z. W. Almquist. (November 12-15). "Evaluating Online Recruitment in COVID-19 Prosocial Behavior Surveys: Comparison of Social Media Sampling with Probability Sampling". [Oral presentation]. The American Public Health Association Annual Meeting, Atlanta, GA.
- 2023 Kahveci, I., D. Perrotta, J. H. Jones, and Z. W. Almquist. (August 17-21). "Evaluating Online Recruitment in COVID-19 Prosocial Behavior Surveys: Comparison of Social Media Sampling with Probability Sampling". [Roundtable presentation]. The American Sociological Association Annual Meeting, Philadelphia, PA.
- 2023 Kahveci, I., E. Nova, J. Yang, E. Spiro, Z. W. Almquist. (June 27- July 1). "Classifying the Networked Information Provided to the American Public via Active Tweeting by Healthcare Professionals." [Oral presentation]. The 43rd Sunbelt Network Conference, Portland, OR.
- 2023 Kahveci, I., D. Perrotta, J. H. Jones, and Z. W. Almquist. (April 12-15). "Measuring the Quality of Online Recruitment for Demographic and COVID-19 Pro-Social Behavior". [Oral presentation]. Population Association of America Annual Meeting, New Orleans, LA.
- 2022 Kahveci, I., E. Nova, Z. Hsiao, K. Koltai, E. S. Spiro, and Z. W. Almquist. (August 5-9). "Expressions of Vaccine Hesitancy in Medical Professionals on Twitter." [Oral presentation]. The American Sociological Association (ASA) Annual Meeting, Los Angeles, CA.
- 2022 Kahveci, I., Z. W. Almquist, Z. Hsiao, K. Koltai, and E. S. Spiro. (April 6-9). "Talking about the Jab: Medical Professionals' Expressions of Vaccine Hesitancy Online." [Poster presentation]. Population Association of America Annual Meeting, Atlanta, GA.
- 2022 Kahveci, I., E. Nova, Z. Hsiao, K. Koltai, E. S. Spiro, and Z. W. Almquist. (August 5-9). "Expressions of Vaccine Hesitancy in Medical Professionals on Twitter." [Oral presentation]. The American Sociological Association (ASA) Annual Meeting, Los Angeles, CA.
- 2021 Kahveci, Ihsan. (August 6-10) "Nationalism in Religious Sermons: Examining Kurdish-Turkish Conflict". [Oral presentation]. The American Sociological Association Virtual Annual Meeting.

FELLOWSHIPS AND AWARDS

- 2022 Chapman University Institute for the Study of Religion, Economics, and Society and John Templeton Foundation Award for the Introduction to the Economics of Religion Workshop. [Link](#)
- 2021 UW Center for Studies in Demography and Ecology and Max Planck Institute for Demographic Research Fellowship for the International Max Planck Research School - PHDS. [Link](#)
- 2021 UW Center for Studies in Demography and Ecology and James McCann Graduate Student Research Endowed Fund for the Network Modeling for Epidemics Workshop. [Link](#)

- 2021 Clarence and Elissa (“Lee”) Schrag Endowed Fellowship in Sociology, University of Washington
- 2014 - 2019 Outstanding Success Scholarship, Turkish Educational Foundation (TEV). [Link](#)

INVITED TALKS

Kahveci, Ihsan (2021). “Talking about the Jab - Medical Professionals Expressions of Vaccine Hesitancy Online.” UW CSDE Computational Demography Working Group.

Kahveci, Ihsan (2020). “Textual Analysis of Religious Discourse” UW Henry Jackson School of International Studies Turkish Studies Working Group

RESEARCH EXPERIENCE

- 2024 **Point-In-Time Count of Unsheltered People Experiencing Homelessness in King County**
PIs: Almquist, Z.W.
Funding: King County Regional Homelessness Authority (KCRHA) and UW CSDE
Description: In collaboration with KCRHA, I led the technical implementation of the respondent-driven sampling (RDS) methodology for the official Point-in-Time count. My responsibilities included designing and developing a mobile application to accurately track referral chains, manage automated text and email messaging, and provide a real-time dashboard for data quality checks. Additionally, I conducted extensive training for over 100 volunteers, collaborated with multiple teams, and regularly presented project updates. As a result, we successfully collected 1450 survey responses from 17 locations across King County. These data will be used to generate the official report for the U.S. Department of Housing and Urban Development (HUD).
- 2023 **Respondent-Driven Sampling for Improved Point-in-Time Count in King County**
PIs: Almquist, Z.W., Hagopian, A.,
Funding: National Science Foundation (NSF), Department of Health Systems and Population Health and CSDE, University of Washington
Description: Developed a mobile app tailored to streamline survey data collection for respondent-driven sampling, ensuring data accuracy, process efficiency, and anonymity. As a result, we collected 1100 survey responses across 11 locations with only 3 error cases, which were promptly corrected thanks to detailed timestamps and geolocation data. Oversaw survey sites, trained staff members, and interviewed respondents to collect survey responses.
- 2022 **Feasibility Study for Puget Sound Longitudinal Health and Wellbeing Data Project**
PIs: Williams, N., Almquist, Z.W., Crowder, K., Curran, S., Ellis, M. Herting, J., and Louie, P.
Funding: Royalty Research Fund (RRF), University of Washington
Description: Using spatial tools, I merged King County public address records with Census 2020 block-level population counts. I created a research report and relevant maps to create the sampling schema for the pilot study. I conducted short interviews with survey respondents.
- 2021 **Vaccine Hesitancy Among Healthcare Workers on Twitter**
PIs: Zack Almquist, Emma Spiro
Supported by the Center for Informed Public (CIP), University of Washington

Description: Using public records and Twitter Academic API, I created a dataset of hand-verified healthcare workers. I used text analysis and machine learning tools to predict COVID-19 vaccine hesitancy among doctors and nurses. I utilized community detection to identify interconnected groups of users based on shared audience engagement, revealing valuable insights into vaccine hesitancy echo chambers. I regularly used cloud computing to process big text data.

- 2021 **Assessing Online Surveys for COVID-19 Related Health Behavior**
PIs: Daniella Perrotta, Ole Hexel, Zack Almquist, Emilio Zagheni
Supported by the Digital and Computational Demography Lab, MPIDR
Description: I used bootstrap methods to analyze the impact of nonsampling and algorithmic bias. I combined samples from a household panel survey and a big social media survey. I implemented propensity score weighting to minimize nonsampling error.
- 2021 **Quantified Self: Societal Implications of Self-Tracking**
PI: Zack Almquist
Funding: UW Data Science Initiative and CSDE
- 2021 **Literature Survey on Demography, Health, and Data Science**
PI: Zack Almquist
Funding: National Institutes of Health (NIH)
- 2020 **Nationalism in Religious Sermons: Examining The Kurdish-Turkish Conflict**
Description: In my master's thesis, I studied religious nationalism using computational text analysis on sermons disseminated in Turkey over the Kurdish-Turkish conflict. I conducted interviews with sermon writers and field observations in mosques to support my findings.

TEACHING EXPERIENCE

Instructor of Record

2024 Data Science and Statistics for Social Sciences. [Syllabus](#).

Teaching Assistant

2021 Sociological Theory
2020 Data and Society; Data and Society
2019 Social Problems; Crime, Politics, and Justice

Workshops

2023 UW eScience Institute: Software Carpentry (with R)
2023 UW CSDE: Intro to the Unix/Linux Shell and High-Performance Computing (HYAK)

AFFILIATIONS

American Sociological Association (ASA)
International Network for Social Network Analysis (INSNA)
Population Association of America (PAA)
American Public Health Association (APHA)
European Association for Population Studies (EAPS)
The Association for the Study of Religion, Economics, and Culture (ASREC)

SKILLS

Language: Turkish (native), English, German

Programming: R, SQL, Python, Javascript

RELEVANT COURSEWORK

CS&SS 563: Statistical Demography and Data Science (Adrian Raftery)

CSE 512: Data Visualization (Jeffrey Heer)

CSE 583: Software Programming for Data Scientists (David Beck & Joseph Hellerstein)

CS&SS 567: Statistical Analysis of Social Networks (Tyler McCormick)

CSDE 512: Demography and Ecology (Sara Curran)

POLS 559: Text as Data (John Wilkerson)

SOC 538: Data Science, Population Processes & Health (Zack W. Almquist)

HMS 510: Principles of Health Metrics (Christopher J. L. Murray)

COM 528: Designing Internet Research (Benjamin Mako Hill)

COM 597: Mixed Methods Research (Yuan Hsiao)

CS&SS 594: Applied Survey Methods (Nathalie Williams & Jerald R. Herting)

CSE 414: Database Management Systems

CSDE 533: Research Methods in Demography