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| URL: http://depts.washington.edu/zalmquist | | |

Education

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| 2013 | PhD Sociology | University of California, Irvine |
| | • <i>Vertex Processes in Social Networks</i> (Carter T Butts, Chair) | |
| 2010 | MA Sociology | University of California, Irvine |
| 2008 | MA Demography | University of California, Irvine |
| 2007 | MS Statistics | Northwestern University |
| 2005 | BS Mathematics (<i>Hons</i>) | University of Oregon |

Primary Appointments

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| 2020 - Present | University of Washington – Seattle |
| 2020 - | Assistant Professor, Department of Sociology |
| 2020 - | Senior Data Science Fellow, eScience Institute |
| | - Faculty Affiliate, Urban@UW |
| | - Faculty Affiliate, The Center for Demography and Social Ecology |
| | - Faculty Affiliate, The Center for Statistics and the Social Sciences |
| | - Faculty Affiliate, The Center for Environmental Politics |
| 2020 - | Training Core Director, The Center for Demography and Social Ecology |
| | - Executive Committee |
| | - Co-Chair, Primary Research Area: Demographic Measurements and Methods |
| 2018 - 2020 | Facebook, Inc - Menlo Park, CA |
| | Research Scientist, Demography and Survey Science |
| 2013 - 2018 | University of Minnesota – Twin Cities |
| | Assistant Professor, Department of Sociology |
| | Assistant Professor, School of Statistics |

Past Affiliations

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|-------------|---------------------------|--------------------------------------|----------------------------------|
| 2019 - 2020 | Affl. Assistant Professor | Department of Sociology | University of Washington |
| 2017 - 2018 | IonE Associate | Institute on the Environment (IonE) | University of Minnesota |
| 2017 - 2018 | Faculty Affiliate | Digital Technology Center | University of Minnesota |
| 2014 - 2018 | Faculty Affiliate | Data Science Program | University of Minnesota |
| 2013 - 2018 | Faculty Affiliate | Minnesota Population Center | University of Minnesota |
| 2013 - 2018 | Faculty Affiliate | Life Course Center | University of Minnesota |
| 2017 - 2018 | Visiting Scholar | Graduate School of Education | Stanford University |
| 2016 - 2017 | Visiting Scholar | Dept. of CS & Engineering | University of Washington |
| 2016 - 2017 | Visiting Scholar | Cent. for Statistics and the Soc Sci | University of Washington |
| 2016 - 2017 | Visiting Scholar | eScience Institute | University of Washington |
| 2009 - 2013 | GSR | Sociology | University of California, Irvine |
| 2008 | YSSP Researcher | World Population & Global Health | IIASA |
| 2007 | Research Analyst | Div. Stat. and Methodology, NORC | University of Chicago |

Research interests

Social Network Analysis, Big Data, Computational Social Science, Sociology of Education, Environmental Policy, Public Health, Demography, and Human Judgment and Decision Making.

Awards and honors

- 2018 New Researcher Award, Facebook Research 2018.
- 2018 Best Paper Award from the 10th International Conference on Social Computing and Social Media (HCII 2018) for *Stay Connected and Keep Motivated: Modeling Activity Level of Exercise in an Online Fitness Community*. (With Li Zeng and Emma Spiro).
- 2017 Nominated (top 5) for the Lee Dirks Award for Best Paper (Best Completed Research Paper) from the iConference2017 for *Let's Workout! Exploring Social Exercise in an Online Fitness Community*. (With Li Zeng and Emma Spiro).
- 2016 Recognized as one of the Top 50 Graduate and Postdoctoral Alumni Honorees at UCI's 50th year Celebration. Honorees were selected from across all divisions in the University, and represent 50 years of graduate education at UCI.
- 2014 ARO Young Investigator Program (YIP).
- 2013 Outstanding Dissertation in Progress Award from the American Sociological Association's Section on Mathematical Sociology for *Vertex Processes in Social Networks*.
- 2012 Honorable Mention (2nd place) for the Student Paper Competition from the Pacific Chapter of the American Association for Public Opinion Research (PAPOR) for *Predicting Regional Self-Identification from Spatial Network Models*.
- 2012 Honorable Mention for the Robin Williams Jr. Paper Award from the Department of Sociology, University of California, Irvine for *Random errors in egocentric networks*.
- 2011 Best Methodological Poster Award from the 4th Annual Political Networks Conference for *Contending Parties: A Logistic Choice Analysis of Inter and Intra-group Blog Citation Dynamics in the 2004 US Presidential Election* (with Carter T Butts).
- 2011 Order of Merit Award: A. Kimball Romney Award for Outstanding Research Paper from the School of Social Sciences, University of California, Irvine for *Predicting Regional Self-Identification from Spatial Network Models*.
- 2005 Graduated with departmental honors in Mathematics and from the Clark Honors College, Univ. of Oregon. Honors thesis: *Lower Tail Probabilities and the Gaussian Process*.

Publications

Peer-reviewed articles

- Bagozzi, B. E., D. Berliner, and Z. W. Almquist (in press). When Does Open Government Shut? Predicting Government Responses to Citizen Information Requests. *Regulation & Governance*.
- Jones, J. H., A. Hazel, and Z. W. Almquist (2020). Transmission-Dynamics Models for the SARS Coronavirus-2. *American Journal of Human Biology* 32(5), 1–14.
- Thomas, L. J., P. Huang, F. Yin, X. I. Luo, Z. W. Almquist, J. R. Hipp, and C. T. Butts (2020). Spatial Heterogeneity Can Lead to Substantial Local Variations in COVID-19 Timing and Severity. *Proceedings of the National Academy of Sciences* 117(39), 24180–24187.
- Almquist, Z. W. and B. E. Bagozzi (2020). Automated Text Analysis for Understanding Radical Activism: The Topical Agenda of the North American Animal Liberation Movement. *Research and Politics* 7(2), 1–8.
- Almquist, Z. W. (2020). Large-scale Spatial Network Models: An application to modeling information diffusion through the homeless population of San Francisco. *Environment and Planning B: Urban Analytics and City Science* 47(3), 523–540.
- Almquist, Z. W., N. E. Helwig, and Y. You (2020). Connecting Continuum of Care Point-in-Time Homeless Counts to United States Census Areal Units. *Mathematical Population Studies* 27(1), 46–58.
- Mallik, A. and Z. W. Almquist (2019). Stable Multiple Time Step Simulation/Prediction from Lagged Dynamic Network Regression Models. *Journal of Computational and Graphical Statistics* 28(4), 967–979.
- Almquist, Z. W., S. Arya, L. Zeng, and E. S. Spiro (2019). Unbiased Sampling of Users from (Online) Activity Data. *Field Methods* 31(1), 23–38.
- Almquist, Z. W. and B. E. Bagozzi (2019). Using Radical Environmental Texts to Uncover Network Structure and Network Features. *Sociological Methods & Research* 48(4), 905–960.

- Almquist, Z. W. and C. T. Butts (2018). Dynamic Network Analysis with Missing Data: Theory and Methods. *Statistica Sinica* **28**(3), 1245–1264.
- Anker, J. J., M. Forbes, Z. W. Almquist, J. Menk, P. Thuras, and M. G. Kushner (2017). A Network Approach to Conceptualizing Comorbid Internalizing and Alcohol Use Disorders. *Journal of Abnormal Psychology* **126**(3), 325–339.
- Almquist, Z. W. and B. E. Bagozzi (2016). The Spatial Properties of Radical Environmental Organizations in the UK: Do or Die! *PloS ONE* **11**(11), 1–19.
- Spiro, E. S., Z. W. Almquist, and C. T. Butts (2016). The Persistence of Division: Geography, Institutions, and Online Friendship Ties. *Socius: Sociological Research for a Dynamic World* **2**(1), 1–15.
- Butts, C. T. and Z. W. Almquist (2015). A Flexible Parameterization for Baseline Mean Degree in Multiple-Network ERGMs. *The Journal of Mathematical Sociology* **39**(3), 163–167.
- Almquist, Z. W. and C. T. Butts (2015). Predicting Regional Self-Identification from Spatial Network Models. *Geographical Analysis* **47**(1), 50–72.
- Smith, E. J., C. S. Marcum, A. Boessen, Z. W. Almquist, J. R. Hipp, N. N. Nagle, and C. T. Butts (2014). The Relationship of Age to Personal Network Size, Relational Multiplexity, and Proximity to Alters in the Western United States. *The Journal of Gerontology: Series B* **70**(1), 91–99.
- Almquist, Z. W. and C. T. Butts (2014). Logistic Network Regression for Scalable Analysis of Networks with Joint Edge/Vertex Dynamics. *Sociological Methodology* **44**(1), 273–321.
- Boessen, A., J. R. Hipp, E. J. Smith, C. T. Butts, N. N. Nagle, and Z. W. Almquist (2014). Networks, Space, and Residents' Perception of Cohesion. *American Journal of Community Psychology* **53**(3), 447–461.
- Almquist, Z. W. and C. T. Butts (2013). Dynamic Network Logistic Regression: A Logistic Choice Analysis of Inter- and Intra-group Blog Citation Dynamics in the 2004 US Presidential Election. *Political Analysis* **21**(4), 430–448.
- Almquist, Z. W. and C. T. Butts (2012). Point process models for household distributions within small areal units. *Demographic Research* **26**(22), 593–632.
- Almquist, Z. W. (2012). Random errors in egocentric networks. *Social Networks* **34**(4), 493–505.
- Almquist, Z. W. (2010). US Census Spatial and Demographic Data in R: The UScensus2000 Suite of Packages. *Journal of Statistical Software* **37**(6), 1–31.

Peer-reviewed conference proceedings

- Zeng, L., Z. W. Almquist, and E. S. Spiro (2019). “Friending” in Online Fitness Communities: Exploring Activity-Based Online Network Structure. In: *Proceedings of the 52nd Hawaii International Conference on System Sciences*, pp.2822–2831.
- Zeng, L., Z. W. Almquist, and E. S. Spiro (2018). Stay Connected and Keep Motivated: Modeling Activity Level of Exercise in an Online Fitness Community. In: *Social Computing and Social Media. Technologies and Analytics*. Ed. by G. Meiselwitz. Vol. 10914. Lecture Notes in Computer Science. Springer International Publishing, pp.137–147.
- Zeng, L., Z. W. Almquist, and E. S. Spiro (2017). Let's Workout! Exploring Social Exercise in an Online Fitness Community. In: *The iConference 2017 Proceedings, Wuhan, China*. Vol. 2, pp.87–98.
- Kurant, M., M. Gjoka, Y. Wang, Z. W. Almquist, C. T. Butts, and A. Markopoulou (2012). Coarse-Grained Topology Estimation via Graph Sampling. In: *Proceedings of ACM SIGCOMM Workshop on Online Social Networks (WOSN) '12*. Helsinki, Finland.

Book chapters

- Almquist, Z. W., E. S. Spiro, and C. T. Butts (2016). “Shifting Attention: Modeling Follower Relationship Dynamics among US Emergency Management-related Organizations During a Colorado Wildfire”. In: *Social Network Analysis of Disaster Response, Recovery, and Adaptation*. Ed. by A. Faas and E. Jones. Philadelphia, PA: Elsevier.
- Almquist, Z. W. and C. T. Butts (2014). “Bayesian Analysis of Dynamic Network Regression with Joint Edge/Vertex Dynamics”. In: *Bayesian Inference in the Social Sciences*. Ed. by I. Jeliakov and X.-S. Yang. Hoboken, New Jersey: John Wiley & Sons.

Conference proceedings

- Anker, J., M. Kushner, P. Thuras, J. Menk, A. Unruh, B. Wagner, and Z. Almquist (2016). Anxiety Disorder And Alcohol Use Disorder As Causal Systems Bridged By Drinking To Cope: A Network Approach To Comorbidity. *Alcoholism: Clinical and Experimental Research* **40**, 107A–107A.
- Meeden, G., Z. Almquist, and C. Geyer (2016). Better adjusted weights for respondents in skewed populations. In: *Proceedings of Statistics Canada Symposium 2016*.
- Bagozzi, B., D. Berliner, and Z. Almquist (2016). Predicting Government (Non)Responsiveness to Freedom of Information Requests with Supervised Latent Dirichlet Allocation. In: *Proceedings of the International Conference on the Advances in Computational Analysis of Political Text - PolText 2016*. Dubrovnik, Croatia.
- Valluvan, R., Z. W. Almquist, A. Anandkumar, and C. T. Butts (2012). *Modeling Dynamic Social Networks with Vertex Evolution via Latent Graphical Models*. Poster presentation at The 2012 NIPS Workshop on Social Network and Social Media Analysis, Methods, Models, and Applications, Lake Tahoe, NV.

Book reviews

- Almquist, Z. W. (2017). Book Review: Illuminating Dark Networks: The Study of Clandestine Groups and Organizations. *Journal of Mathematical Sociology* **41**(4), 248–250.
- Almquist, Z. W. (2015). Book Review: Risk Assessment and Decision Analysis with Bayesian Networks. *The American Statistician* **69**(4), 430–431.

Submitted articles

- Abel, G. J., J. DeWaard, J. Trang Ha, and Z. W. Almquist (2020). *The Form and Evolution of International Migration Networks, 1960-2015*. {R&R at Population, Space and Place}.
- Maas, P., Z. W. Almquist, E. Giraudy, and J. Schneider (2020). Using social media to measure demographic responses to natural disaster: Insights from a large-scale Facebook survey following the 2019 Australia Bushfires. *arXiv preprint arXiv: 2008.03665*.
- Nilakanta, H., Z. W. Almquist, and G. L. Jones (2019). Ensuring Reliable Monte Carlo Estimates of Network Properties. *arXiv preprint arXiv:1911.08682*.

Working papers

- Almquist, Z. W. and B. Hanowell (2017). *What can Big Data Tell Us? Measuring Social Isolation in Older Adult Populations*.
- Spiro, E. S., Z. W. Almquist, and L. Zeng (2017). *Spatial, Social and Temporal Dimensions of Activity: A New Social Network Dataset using Strava Phone App*.
- Zeng, L., E. S. Spiro, and Z. W. Almquist (2017). *Social Exercise in an Online Fitness Community*.
- Mallik, A. and Z. W. Almquist (2017). *Dynamic Network Regression: The dnr package*.
- Almquist, Z. W. and Y. Yang (2015). *Heuristics and data-collection strategies for the application of dynamic network models: A simulation study*.
- Almquist, Z. W. and Y. Yang (2015). *Automatic model selection using penalized regression methods for Dynamic Network Logistic-Regression*.
- Almquist, Z. W. and C. T. Butts (2014). *Evolving Context: Evidence from Temporal Change in Organizational Collaboration over the Course of the 2005 Katrina Disaster*.

Grants and fellowships

External

University of Washington

- 2020-2024 Curran, S.R. (PI), McCormick, T. (Co-PI), Wakefield, J. (Co-PI), Almquist, Z. (Co-PI). "T32 Data Science for Demographic & Population Health Training at the University of Washington." NIH NICHD Grant #1T32HD101442-01. \$1,824,000.
- 2020-2021 Holland, J.H. (PI), Kline, M. (Co-PI), Smaldino, P. (Co-PI), Moya, C. (Co-PI), and Almquist, Z.W. (Co-PI). "RAPID: Coupled Contagion, Behavior-Change, and the Dynamics of Pro and Anti-Social Behavior During the COVID-19 Pandemic." Grant #BCS-2028160, NSF, Behavioral and Cognitive Sciences (BCS), Cultural Anthropology (CA). \$197,622.

2019-2022 Sidiropoulos, N. (PI), Fu, X. (Co-PI), and Almquist, Z. W. (Co-PI). "Geometric Factorization Tools for Community Mining." Award #W911NF-19-1-0407, Army Research Office (ARO). \$550,000.

University of Minnesota

2014-2017 Almquist, Z. W. (PI). "Scalable Temporal Network Models with Population Dynamics: Estimation, Simulation, and Prediction." Award #W911NF-14-1-0577, Army Research Office (ARO), Young Investigator Program. \$146,079.

2017 Almquist, Z. W. (PI). "Undergraduate Research Apprenticeship Program/High School Research Apprenticeship Program." Addendum to Award #W911NF-14-1-0577, ARO. \$18,000.

University of California, Irvine

2013-2014 Butts, C. T. (PI), and Almquist, Z. W. (Co-PI). "Doctoral Dissertation Research: Dynamic Network Models for the Scalable Analysis of Networks with Missing or Sampled Joint Edge/Vertex Evolution." Grant #SES-1260798, NSF, Social, Behavior & Economic Sciences (SBE), Methodology, Measurement and Statistics (MMS). \$15,140.

06-08/2008 National Academy of Sciences (NAS) Fellowship Grant, funded by the NSF, to participate in the Young Scientist Summer Program (YSSP) at the International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria. \$8,000.

Internal

University of Washington

2020 Almquist, Z.W. "The Quantified Self: An introduction to the societal implications of self tracking." Data Science Education Initiative for the Social Sciences, Humanities, Arts, and Other Domains. Grant for Data Science Minor - Proposal for Course Development, University of Washington. \$20,000.

University of Minnesota

2016 Single Semester Leave (Fall), College of Liberal Arts, University of Minnesota.

2016-2017 Almquist, Z. W. "Demographic Opportunity Structures in Activity-Based Online Social Networks." Grant-in-Aid of Research, Artistry, and Scholarship, Office of the Vice President for Research, University of Minnesota. \$40,708.28.

2014-2015 DeWaard, J. and Almquist, Z. W. "Internal Migration and Recovery from the Great Recession in Urban Minnesota Counties and Neighborhoods." CURA Faculty Interactive Research Program, University of Minnesota. \$45,000.

07/2014 Almquist, Z. W. and Meeden, G. "A Bayesian Approach to Finite Population Sampling for the Social Sciences: Applications to Sample Weighting and Small Area Estimation." Minnesota Population Center Proposal Development Grant, University of Minnesota. \$8,000.

University of California, Irvine/Northwestern University

2008-2009 Social Science Merit Fellowship, University of California, Irvine.

2005-2006 University Fellowship, Northwestern University.

Seminars and invited presentations

Almquist, Z. W. (2019). *Disaster Maps and a Survey Comparison of Displaced Populations in the Cyclone Fani Region 6 Months after Landfall*. Center for Studies in Demography and Ecology Seminar Series, University of Washington, Seattle.

Almquist, Z. W. (2019). *Modeling the Social Support Networks of the Homeless*. Computational Social Science Seminar, Facebook, Menlo Park.

Almquist, Z. W. (2018). *Modeling the Social Support Networks of the Homeless*. Department of Sociology, University of Washington, Seattle.

Almquist, Z. W. (2018). *Modeling the Social Support Networks of the Homeless*. Department of Biostatistics, University of Iowa, Iowa City.

- Almquist, Z. W. (2017). *Stable Multiple Time Step Prediction from Dynamic Network Regression Models*. Invited Talk. NetSci2017 Workshop: When Complex Networks Meet Complex Data: Higher-Order Models in Network Science, Indianapolis, Indiana.
- Almquist, Z. W. (2017). *The Social and Demographic Dimensions of an Online Fitness Community*. BIOS/STAT 111 – Lectures in Applied Statistics, University of Washington.
- Almquist, Z. W. (2016). *Uncovering Network and Spatial Structures from Radical Environmentalist Texts*. Department of Statistical and Actuarial Sciences, Western University, London, Ontario.
- Almquist, Z. W. (2016). *Information Diffusion over Textually Derived Collaboration Networks of Radical Environmental Organizations*. Invited Talk. Opinion Dynamics Workshop, University of Texas, Austin, Texas.
- Almquist, Z. W. (2016). *Uncovering Network and Spatial Structures from Radical Environmentalist Texts*. Datalab, iSchool, University of Washington.
- Almquist, Z. W. (2016). *Activity-based Networks and Text-based Networks*. Lightning Talk. Big Social Data Day, eScience, University of Washington.
- Almquist, Z. W. (2016). *Using Radical Environmentalist Texts to Uncover Network Structure and Network Features*. Department of Statistics Seminar Series, University of Washington.
- Almquist, Z. W. (2016). *Assortative Mixing in Activity-based Online Social Networks*. Center for Statistics and the Social Sciences Seminar Series, University of Washington.
- Almquist, Z. W. (2016). *A Brief Introduction to Social Network Analysis: Descriptives to Statistical Inference*. Inequality & Methods Workshop, Minnesota Population Center, University of Minnesota, Twin Cities.
- Almquist, Z. W. (2015). *Geographically Embedded Large-scale Interpersonal Networks: Theory and Methods*. Department of Political Science: 2015 Political Methodology Colloquium, University of Minnesota, Twin Cities.
- Almquist, Z. W. (2014). *Methods for Missing Data in Dynamic Network Regression Models*. Invited Talk. The 2014 International Indian Statistical Association Conference On Research Innovations in Statistics for Health, Education, Technology, and Society, Riverside, CA.
- Almquist, Z. W. (2013). *US Census Spatial and Demographic Data in R with Applications to Spatially Embedded Social Networks*. Inequality & Methods Workshop, Minnesota Population Center, University of Minnesota, Twin Cities.
- Almquist, Z. W. (2013). *US Census Spatial and Demographic Data in R with Applications to Spatially Embedded Social Networks*. Center for Studies in Demography and Ecology Seminar Series, University of Washington, Seattle.
- Almquist, Z. W. (2013). *Population Dynamics and Network Dynamics: A Holistic Approach*. Department of Sociology and School of Statistics, University of Minnesota, Twin Cities.
- Almquist, Z. W. (2013). *Population Dynamics and Network Dynamics: A Holistic Approach*. NULab for Texts, Maps, and Networks, Northeastern University, Boston, MA.
- Almquist, Z. W. (2013). *Population Dynamics and Network Dynamics: A Holistic Approach*. Department of Sociology, Stony Brook University, Long Island, NY.
- Almquist, Z. W. (2013). *Population Dynamics and Network Dynamics: A Holistic Approach*. Department of Sociology, University of South Carolina, Columbia.
- Almquist, Z. W. (2012). *Modeling Household Locations from Census Data: Some Simple Techniques, with Application to Social Networks*. Population, Society and Inequality Seminar Series, University of California, Irvine.
- Almquist, Z. W. (2012). *Population Dynamics and Network Dynamics: A Holistic Approach*. Department of Sociology, University of Nebraska - Lincoln.
- Almquist, Z. W. (2010). *US Census Spatial and Demographic Data in R*. Population, Society and Inequality Seminar Series, University of California, Irvine.

Conference presentations

- Almquist, Z. W. and B. E. Bagozzi (2020). *Automated Text Analysis for Understanding Activism: Topical Agenda of the North American Animal Liberation Movement*. The 115th Annual Meeting of the American Sociological Association: Paper Session in Mathematical Sociology, Virtual Conference.
- Almquist, Z. W. and B. Bagozzi (2020). *Networks of Negotiation for International Climate Change Cooperation*. The 40th Sunbelt Network Conference (INSNA), Virtual Conference.
- Almquist, Z. W. and B. Barlett (2019). *Assessing the Informational Comparison of 15 Different Relationship Questions over 12 Countries and 9 Languages*. The 39th Sunbelt Network Conference (INSNA), Montreal, Quebec, Canada.

- Hazel, A., Z. W. Almquist, and J. H. Jones (2018). *Dynamic network regression models reveal spatial-temporal dimensions in sexual networks in rural Namibia: Implications for the epidemiology of sexually transmitted infections*. American Anthropological Association Annual Meeting, San Jose, CA.
- Zeng, L., Z. W. Almquist, and E. S. Spiro (2018). *Gender Differences in Social Exercise in an Online Fitness Community*. Poster presentation at 2018 International Conference on Computational Social Science, Northwestern University, Evanston, IL.
- Almquist, Z. W., N. E. Helwig, and Y. You (2018). *HUD Continuum of Care Point-in-Time Homeless Counts to US Census Geographies: 2005 to 2017*. The 113th Annual Meeting of the American Sociological Association: Paper Session in Quantitative Methodology, Philadelphia, PA.
- Almquist, Z. W. and B. E. Bagozzi (2018). *Unlocking the Tactics, Network and Membership of Clandestine Social Movements*. The 113th Annual Meeting of the American Sociological Association: Round Table for the Section on Collective Behavior and Social Movements, Philadelphia, PA.
- Nilakanta, H., Z. W. Almquist, and G. Jones (2018). *Effective Sample Size for Network Sampling Approaches*. Poster Presented at The 2018 Annual Meeting of the Population Association of America, Denver, CO.
- Abel, G., J. DeWaard, J. T. Ha, and Z. W. Almquist (2018). *The Form and Evolution of International Migration Networks, 1960-2015: Implications for the Globalization of Migration Thesis*. The 2018 Annual Meeting of the Population Association of America, Denver, CO.
- Almquist, Z. W., N. Helwig, and Y. You (2018). *Connecting HUD Continuum of Care Point-in-Time Homeless Counts to US Census Geographies: 2005 to 2016*. The 2018 Annual Meeting of the Population Association of America, Denver, CO.
- Nilakanta, H. and Z. W. Almquist (2017). *An Overview of Network Sampling Methods: On- and Off-Line*. Poster presentation at The 2017 Joint Statistical Meetings, Baltimore, MD.
- Arya, S., E. S. Spiro, and Z. W. Almquist (2016). *Geo-social rankings derived from activity-based apps*. Socinfo2016 Workshop on Online And Activity-based Social Networks: Sampling, Measuring And Modeling The Effects Of Technology On Health-related Behaviors, Seattle, WA.
- Nilakanta, H. and Z. W. Almquist (2016). *Network sampling techniques and software for online social networks*. Socinfo2016 Workshop on Online And Activity-based Social Networks: Sampling, Measuring And Modeling The Effects Of Technology On Health-related Behaviors, Seattle, WA.
- Abel, G. J., J. DeWaard, Z. W. Almquist, and J. Trang Ha (2016). *The form and evolution of international migration flow networks*. British Population Studies Society Conference 2016, Winchester UK.
- Almquist, Z. W. and B. E. Bagozzi (2016). *Using Radical Environmentalist Texts to Uncover Network Structure and Network Features*. The 111th Annual Meeting of the American Sociological Association: Regular Session in Methods for Social Network Analysis, Seattle, WA.
- Spiro, E. S. and Z. W. Almquist (2016). *Gender-based Opportunity Structures in an Activity-based Online Social Network*. The 111th Annual Meeting of the American Sociological Association: Paper Session in Rationality and Social Structure, Seattle, WA.
- Butts, C. T., E. J. Smith, J. R. Hipp, N. N. Nicholas, A. Boessen, R. Acton, C. S. Marcum, and Z. W. Almquist (2016). *Large-scale Geographical Structure in Interpersonal Networks within the Western United States*. The 111th Annual Meeting of the American Sociological Association: Regular Session in Mathematical Sociology, Seattle, WA.
- Almquist, Z. W. and E. S. Spiro (2016). *The Structure of Activity-based Online Personal Networks*. The Joint Statistical Meetings (JSM) 2016, Chicago, IL.
- Bagozzi, B., D. Berliner, and Z. Almquist (2016). *Predicting Government (Non)Responsiveness to Freedom of Information Requests with Supervised Latent Dirichlet Allocation*. International Conference on the Advances in Computational Analysis of Political Text - PolText 2016, Dubrovnik, Croatia.
- Anker, J. J., M. G. Kushner, P. Thuras, J. Menk, A. S. Unruh, B. L. Wagner, and Z. W. Almquist (2016). *Anxiety disorder and alcohol use disorder as causal systems bridged by drinking to cope: A network approach to comorbidity*. Poster presented at the 39th Annual Research Society on Alcoholism (RSA) Scientific Meeting.
- Bagozzi, B. and Z. W. Almquist (2016). *The Spatial Properties of Radical Environmental Organizations in the UK*. The 36th Sunbelt Network Conference (INSNA), Newport, CA.
- Almquist, Z. W. and E. S. Spiro (2016). *Personal Network Structures in Activity-based Online Social Networks*. The 36th Sunbelt Network Conference (INSNA), Newport, CA.
- Spiro, E. and Z. W. Almquist (2016). *Mechanisms of Tie Formation in Activity-based Online Social Networks*. The 36th Sunbelt Network Conference (INSNA), Newport, CA.

- Abel, G. J., J. DeWaard, Z. W. Almquist, and J. Trang Ha (2016). *The form and evolution of international migration flow networks*. The 2016 Annual Meeting of the Population Association of America, Washington DC.
- Almquist, Z. W. and Y. Yang (2015). *Heuristics and data-collection strategies for the application of dynamic network models: A simulation study*. The 110th Annual Meeting of the American Sociological Association: Paper Session in Mathematical Sociology, Chicago, IL.
- Gibson, B., Z. W. Almquist, and C. T. Butts (2015). *Scalable Estimation of Temporal ERGMs with DNR Structure from Egocentrically Sampled Data*. The 110th Annual Meeting of the American Sociological Association: Paper Session in Innovative Methodological Applications to Data Analysis, Chicago, IL.
- Spiro, E. and Z. W. Almquist (2015). *Social Interaction in Activity-Based Online Communities*. The Joint Statistical Meetings (JSM) 2015, Seattle, WA.
- Almquist, Z. W. and Y. Yang (2015). *Data-Collection Strategies for the Application of Conditional Dynamic Network Models*. The Joint Statistical Meetings (JSM) 2015, Seattle, WA.
- Almquist, Z. W. and Y. Yang (2015). *Predictive Assessment of Common Estimation Strategies for Dynamic Network Regression Models*. 17th Meeting of New Researchers in Statistics and Probability, Seattle, WA.
- Almquist, Z. W. and Y. Yang (2015). *Heuristics and data-collection strategies for dynamic network sampling*. The 35th Sunbelt Network Conference (INSNA), Brighton, UK.
- Spiro, E. and Z. W. Almquist (2015). *Demographic Opportunity Structures in Activity-Based Online Social Networks*. The 35th Sunbelt Network Conference (INSNA), Brighton, UK.
- Almquist, Z. W. and Y. Yang (2015). *Suggested data-collection strategies for the application of dynamic network regression models: A simulation and empirical study*. Poster presentation at The International Conference on Computational Social Science, Helsinki, Finland.
- Almquist, Z. W., J. DeWaard, S. Brower, K. Huang, and S. Chase (2015). *A Method for Estimating Neighborhood-to-Neighborhood Migration Flows from County-to-County Flow Data*. The 2015 Annual Meeting of the Population Association of America, San Diego, CA.
- Almquist, Z. W. and C. T. Butts (2014). *Dynamic Network Logistic-Regression with Missing Data: Theory and Methods*. The Joint Statistical Meetings (JSM) 2014, Boston, MA.
- Almquist, Z. W. and C. T. Butts (2014). *Dynamic Network Analysis with Missing Data: Theory and Methods*. The 109th Annual Meeting of the American Sociological Association: Paper Session in Quantitative Methodology, San Francisco, CA.
- Smith, E. J., C. M. Marcum, A. Boessen, Z. W. Almquist, J. R. Hipp, N. N. Nagle, and C. T. Butts (2014). *The Relationship of Age to Network Size, Multiplexity, and Proximity to Alters in the Western U.S.* The 109th Annual Meeting of the American Sociological Association: Round Table in the Section on Aging and the Life Course, San Francisco, CA.
- Almquist, Z. W. and C. T. Butts (2014). *Bayesian Analysis of Dynamic Network Regression with Joint Edge/Vertex Dynamics*. The 34th Sunbelt Network Conference (INSNA), St. Pete Beach, FL.
- Smith, E. J., C. M. Marcum, A. Boessen, Z. W. Almquist, J. R. Hipp, N. N. Nagle, and C. T. Butts (2014). *The Relationship of Age to Personal Network Size, Relational Multiplexity, and Proximity to Alters in the Western United States*. The 34th Sunbelt Network Conference (INSNA), St. Pete Beach, FL.
- Gibson, B., Y. Yu, Z. W. Almquist, and C. T. Butts (2014). *Scalable Estimation of Temporal ERGMs with DNR Structure from Egocentrically Sampled Data*. Poster presentation at The 34th Sunbelt Network Conference (INSNA), St. Pete Beach, FL.
- Almquist, Z. W. and C. T. Butts (2013). *Dynamic Network Logistic-Regression: A Dynamic Logistic Choice Analysis of DNC and RNC Blog Citation Networks in the 2004 US Presidential Election*. The 108th Annual Meeting of the American Sociological Association: Paper Session in Mathematical Sociology, New York, NY.
- Almquist, Z. W., E. S. Spiro, and C. T. Butts (2013). *Missing Data Methods for Dynamic Network logistic-Regression*. The 33rd Sunbelt Network Conference (INSNA), Hamburg, Germany.
- Smith, E., Z. W. Almquist, A. Boessen, C. T. Butts, J. R. Hipp, and N. Nagle (2013). *Social Cohesion across Demographics and Space*. The 33rd Sunbelt Network Conference (INSNA), Hamburg, Germany.
- Valluvan, R., Z. W. Almquist, A. Anandkumar, and C. T. Butts (2012). *Modeling Dynamic Social Networks with Vertex Evolution via Latent Graphical Models*. Poster presentation at The 2012 NIPS Workshop on Social Network and Social Media Analysis, Methods, Models, and Applications, Lake Tahoe, NV.
- Boessen, A., J. R. Hipp, C. T. Butts, N. Nagle, Z. W. Almquist, C. Marcum, and R. Acton (2012). *Neighborhoods and Space: Situating Residents' Networks*. The American Society of Criminology Annual Meeting, Chicago, IL.

- Almquist, Z. W. and C. T. Butts (2012). *Logistic Network Regression for Scalable Analysis of Networks with Joint Edge/Vertex Dynamics*. The 107th Annual Meeting of the American Sociological Association: Regular Paper Session in Quantitative Methodology, Denver, CO.
- Almquist, Z. W., E. S. Spiro, and C. T. Butts (2012). *Dynamic Network Logistic Regression with Missing Data, with an Application to a Dynamic US Governmental Emergency Management-related Friend/Follower Network on Twitter*. The Fifth Joint Japan-North America Mathematical Sociology Conference, Denver, CO.
- Almquist, Z. W. and C. T. Butts (2012). *Point Process Models for Household Distributions within Small Areal Units*. Poster presentation at The 2012 Annual Meeting of the Population Association of America, San Francisco, CA.
- Almquist, Z. W. and C. T. Butts (2012). *Evolving Context: Evidence from Temporal Change in Organizational Collaboration over the Course of the 2005 Katrina Disaster*. The 2012 Pacific Sociological Association Meeting, San Diego, CA.
- Almquist, Z. W. and C. T. Butts (2012). *Network Diffusion and the Effects of Geographic Heterogeneity within Human Populations*. The 32nd Sunbelt Network Conference (INSNA), Redondo Beach, CA.
- Hipp, J. R., C. T. Butts, R. M. Acton, N. Nagles, A. Boessen, C. S. Marcum, and Z. W. Almquist (2012). *Spatial Networks and the Perception of Neighborhood*. The 32nd Sunbelt Network Conference (INSNA), Redondo Beach, CA.
- Valluvan, R., Z. W. Almquist, C. T. Butts, and A. Anandkumar (2012). *Vertex Set Prediction of Dynamic Networks Using Semi-parametric Latent Tree Models*. The 32nd Sunbelt Network Conference (INSNA), Redondo Beach, CA.
- Boessen, A., J. R. Hipp, C. T. Butts, R. M. Acton, N. Nagles, C. S. Marcum, and Z. W. Almquist (2012). *If There's a Crime in Your Neighborhood, Who you Gonna Call?* The 32nd Sunbelt Network Conference (INSNA), Redondo Beach, CA.
- Almquist, Z. W. and C. T. Butts (2012). *Methods for Scalable Analysis of Temporal Network Data with Vertex and Edge Dynamics*. Poster presentation at the IMA Conference on Network Links: Connecting Social, Communication, and Biological Network Analysis, University of Minnesota.
- Boessen, A., J. R. Hipp, C. T. Butts, C. S. Marcum, and Z. W. Almquist (2011). *If There's a Crime In Your Neighborhood, Who You Gonna Call?* The American Society of Criminology Annual Meeting, Washington DC.
- Hipp, J. R., C. T. Butts, R. M. Acton, N. Nagles, A. Boessen, and Z. W. Almquist (2011). *Homophily, Proximity, and Their Consequences for the Structure of Neighborhood Networks and Crime: Simulating Networks*. The American Society of Criminology Annual Meeting, Washington DC.
- Spiro, E. S., Z. W. Almquist, and C. T. Butts (2011). *Maintaining Ties from Coast to Coast: Selective Mixing Between Universities on Facebook*. The 106th Annual Meeting of the American Sociological Association: Paper Session in Methodology: A Gallery of Applications—Inequality, Status, and Other Social Processes, Las Vegas, NV.
- Butts, C. T. and Z. W. Almquist (2011). *Dynamic Logit Models for Emergent Collaboration Networks*. The Third International ARS Workshop on Social Network Analysis – Collaboration Networks and Knowledge Diffusion: Theory, Data, and Methods, Naples, Italy.
- Butts, C. T. and Z. W. Almquist (2011). *Modeling the Dynamics of Emergent Networks: Collaboration and Mass Convergence in the Hurricane Katrina Disaster*. The 4th Annual Political Networks Conference, University of Michigan.
- Almquist, Z. W. and C. T. Butts (2011). *Contending Parties: A Dynamic Logistic Choice Analysis of DNC and RNC Blog Citation Networks in the 2004 US Presidential Election*. Poster presentation at The 4th Annual Political Networks Conference, University of Michigan.
- Almquist, Z. W. and C. T. Butts (2011). *Logistic Network Regression for Scalable Analysis of Networks with Joint Edge/Vertex Dynamics*. The 9th Annual IMBS Graduate Student Conference, University of California, Irvine.
- Butts, C. T. and Z. W. Almquist (2011). *Allies and Rivals: Modeling Citation Dynamics among Party-Credentialed Blogs in the 2004 US Electoral Cycle*. CSD Conference on Internet, Voting, and Democracy, Laguna Beach, CA.
- Almquist, Z. W. and C. T. Butts (2011). *Spatial Network Models for Predicting Regional Identification*. Poster presentation at the Complex Networks: Dynamics on Networks Workshop (SAMSI), Research Triangle Park, NC.

- Almquist, Z. W. and C. T. Butts (2011). *Contending Parties: A Logistic Choice Analysis of Inter and Intra-group Blog Citation Dynamics in the 2004 US Presidential Election*. The 31st Sunbelt Network Conference (INSNA), St. Pete Beach, FL.
- Almquist, Z. W. and C. T. Butts (2010). *Contending Parties: A Logistic Choice Analysis of Inter and Intra-group Blog Citation Dynamics in the 2004 US Presidential Election*. QMSS 2 Conference on Power, Decision Making and Social Networks, University College Dublin, Ireland.
- Almquist, Z. W. (2010). *Cognitive Models of Group Identification: The Case of Regional Self-Identification*. The 105th Annual Meeting of the American Sociological Association: Paper Session in Math Soc: New Developments in Mathematical Sociology, Atlanta, GA.
- Almquist, Z. W. (2010). *US Census Spatial and Demographic Data in R*. useR!2010, National Institute of Standards and Technology, Gaithersburg, MD.
- Almquist, Z. W. and C. T. Butts (2010). *Predicting Regional Self-Identification from Spatial Network Models*. The 30th Sunbelt Network Conference (INSNA), Riva Del Garda, Italy.
- Almquist, Z. W., R. M. Acton, and C. T. Butts (2009). *Dynamic Modeling of Organizational Coordination over the Course of the Katrina Disaster*. The 29th Sunbelt Network Conference (INSNA), San Diego, CA.
- Almquist, Z. W. (2008). *Multi-State Demographic Projections of Leipzig, Germany*. IIASA YSSP 2008 Late Summer Workshop, Laxenburg, Austria.

Software and data

- Almquist, Z. W., N. E. Helwig, and Y. You (2017-present). *CoCHomeless: R package with County level counts of the Homeless in the US from 2005 to 2017*. Github (<https://github.com/SSDALab/CoCHomeless>).
- Mallik, A. and Z. W. Almquist (2017-present). *dnr: Simulation, Estimation and Forecasting for Dynamic Networks*. CRAN (<https://cran.r-project.org/>) and Github (<https://github.com/SSDALab/dnr>).
- Butts, C. T., J. R. Hipp, N. N. Nagle, A. Boessen, R. M. Acton, C. S. Marcum, Z. W. Almquist, E. J. Smith, and J. Lickfett (2014). *The American Social Fabric Study*. NCASD Lab (<http://www.ncasd.org/>).
- Butts, C. T. and Z. W. Almquist (2013-present). *networkSpatial: Tools for the Generation and Analysis of Spatially-embedded Networks*. NCASD Lab (<http://www.ncasd.org/>).
- Butts, C. T., A. Leslie-Cook, P. N. Krivitsky, S. Bender-deMoll, Z. Almquist, D. R. Hunter, L. Wang, K. Li, S. M. Goodreau, and M. Morris (2013-present). *networkDynamic: Dynamic Extensions for Network Objects*. CRAN (<http://cran.r-project.org>) and statnet (<http://statnet.org>) [2012-present, contributing member to statnet].
- Leslie-Cook, A., Z. W. Almquist, P. N. Krivitsky, S. Bender-deMoll, D. R. Hunter, M. Morris, and C. T. Butts (2012-2013). *networkDynamic: Dynamic Extensions for Network Objects*. CRAN (<http://cran.r-project.org>) and statnet (<http://statnet.org>) [2012-present, contributing member to statnet].
- Almquist, Z. W. (2009-present). *UScensus{1990, 2000, 2010}: The US Census Suite of R Packages*. CRAN (<http://cran.r-project.org>) and NCASD Lab (<http://lakshmi.calit2.uci.edu/census2000/>).

Teaching experience

Positions

| | | |
|-------------|---|-----|
| 2020 - | Assistant Professor, Department of Sociology | UW |
| 2013 - 2018 | Assistant Professor, Department of Sociology | UMN |
| 2013 - 2018 | Assistant Professor, School of Statistics | UMN |
| 2007 - 2008 | Teaching Assistant, School of Social Science | UCI |
| 2006 - 2007 | Teaching Assistant, Department of Statistics | NU |
| 2004 - 2005 | Undergraduate Teaching Assistant, Dept of Mathematics | UO |

Pedagogical Training

| | | |
|-------------|---|-----|
| 2020 | Faculty Fellows Program | UW |
| 2015 - 2016 | Early Career Teaching Program | UMN |
| 2015 | Diversity in the Curriculum: Transforming Your Syllabus | UMN |

Courses taught**Sociology Courses**

| | | | | | |
|-------------|---|-----|---|-----|-----|
| 2021 | U | Soc | The Quantified Self | UW | (1) |
| 2020 - 2021 | U | Soc | Data and Society | UW | (3) |
| 2018 | U | Soc | Social Networking: Theories and Methods | UMN | (1) |
| 2018 | U | Soc | Social Statistics | UMN | (1) |
| 2017 | U | Soc | Sociology of Neighborhoods | UMN | (1) |
| 2020 | G | Soc | Introduction to Applied Social Statistics | UW | (1) |
| 2020 | G | Soc | Quantitative Techniques in Sociology | UW | (1) |
| 2015 | G | Soc | Social Network Analysis: Theory and Methods | UMN | (1) |
| 2014 - 2015 | G | Soc | Advanced Social Statistics | UMN | (2) |

Statistics Courses

| | | | | | |
|-------------|---|------|--|-----|-----|
| 2018 | U | Stat | Introduction to Statistical Computing | UMN | (1) |
| 2017 | U | Stat | Modeling of Spacial, Text & Network Data | UMN | (1) |
| 2013 | U | Stat | Data Analysis | UMN | (1) |
| 2014 - 2015 | G | Stat | Sampling Methodology in Finite Populations | UMN | (2) |

Workshops

| | | | | | |
|-------------|---|--|--|--|--|
| 2019 - 2020 | Five hour long workshop on survey weighting for non-response bias for Learn Facebook: Research Methods, Facebook, Menlo Park, CA. | | | | |
| 06/2018 | Week long course in Social Network Analysis, Epidemiology and Population Health Summer Institute, Columbia University, New York City, NY. | | | | |
| 05/2017 | Exponential Random Graph Models, Social Networks and Health Workshop, Duke University, Durham, NC. | | | | |
| 11/2016 | Spatial Analysis and Mapping Workshop, iSchool Data Science Program, University of Washington, Seattle. | | | | |
| 01/2016 | A Brief Introduction to Social Network Analysis: Descriptives to Statistical Inference, Inequality & Methods Workshop, MPC, UMN. | | | | |

Courses assisted (TA'd)

| | | | | | |
|-------------|---|----------|-----------------------------|-----|-----|
| 2008 | U | Soc/Econ | Business Decisions | UCI | (1) |
| 2008 | U | Econ | Probability & Statistics | UCI | (1) |
| 2007 | U | SocSci | Probability & Statistics | UCI | (1) |
| 2006 - 2007 | U | Stat | Intro to Statistics | NU | (3) |
| 2004 - 2005 | U | Math | University Mathematics I/II | UO | (4) |

Mentorship and advisement**PhD**

| | | | | |
|------|--------------------|---------------|------------|-----|
| 2020 | Ian Kennedy | Adv Committee | Sociology | UW |
| 2017 | Haema Nilakanta | Adv Committee | Statistics | UMN |
| 2017 | Liqi (Kevin) Huang | Adv Committee | Sociology | UMN |
| 2016 | Abhishek Nandy | PhD Committee | Statistics | UMN |
| 2016 | Dennie Kim | Adv Committee | Business | UMN |
| 2016 | Yang Yang | Adv Chair | Statistics | UMN |
| 2015 | Martin Bezener | PhD Committee | Statistics | UMN |
| 2014 | Abhishek Nandy | Adv Committee | Statistics | UMN |

MS

| | | | | |
|------|------------|-----------|------------|-----|
| 2016 | Yun You | Chair | Statistics | UMN |
| 2016 | Robin Shaw | Committee | Design | UMN |
| 2016 | Yang Yang | Chair | Statistics | UMN |
| 2016 | Lu Yuan | Chair | Statistics | UMN |
| 2016 | Tao Xu | Chair | Statistics | UMN |
| 2015 | Amy Jurvis | Chair | Statistics | UMN |

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|------|---------------|-----------|------------|-----|
| 2015 | Xiaomeng Chen | Committee | Statistics | UMN |
| 2014 | Kim Sungjin | Chair | Statistics | UMN |
| 2014 | Wen Fan | Committee | Statistics | UMN |
| 2014 | Zhongnan Jin | Committee | Statistics | UMN |
| 2014 | Xiao Zhong | Committee | Statistics | UMN |

Research experience

| | | |
|-------------|--|-----------------------------------|
| 2020 - | Assistant Professor | University of Washington |
| | Department of Sociology | |
| 2018 - 2020 | Research Scientist | Facebook |
| | Demography and Survey Science | |
| 2013 - 2018 | Assistant Professor | University of Minnesota |
| | Department of Sociology and School of Statistics | |
| 2017 - 2018 | Visiting Scholar | Stanford University |
| | Graduate School of Education | |
| 2016 - 2017 | Visiting Scholar | University of Washington |
| | eScience Institute and Center for Statistics and the Social Sciences | |
| 2009 - 2013 | Graduate Student Researcher | University of California, Irvine |
| | PI Carter T Butts, Departments of Sociology, Statistics and EECS | |
| 06-09/2008 | Young Scientist Summer Program | IIASA, Laxenburg, Austria |
| | Sponsoring Groups: World Population Program and Health and Global Change Project | |
| 06-09/2007 | Research Analyst/Summer Internship | NORC at the University of Chicago |
| | Division of Statistics and Methodology | |

Service to the profession

| | | |
|----------------|---|------------------------------------|
| 2020 - present | Webmaster | ASA Section on Math Sociology |
| 2020 | Abstract Reviewer | COVID-19 INSNA Sunbelt, Virtual |
| 2018-2021 | Secretary-Treasurer (<i>Elected</i>) | ASA Section on Math Sociology |
| 2018 | Session Chair (NetAnalysis in Demography) | Population Association of America |
| 2018 | Organizer (NetAnalysis in Demography) | Population Association of America |
| 2017 | Presider (Social Network Session) | ASA |
| 2017 | Co-Organizer (Social Network Session) | ASA |
| 2017 | Committee Member, GradPaper Award | ASA Section on Math Sociology |
| 2017 | Committee Member/Organizer | ASA Methodology Mid-year Conf. |
| 2017 | Facilitator, Big Data & Human Services | Metrolab, UW and Seattle City Hall |
| 2016 | Organizer WS on Activity Networks | SocInfo2016, Seattle, WA |
| 2016 | Presider Regular Session | ASA Section on Social Networks |
| 2016 | Committee Clifford C. Clogg Award | ASA Section on Methodology |
| 2015 | Committee Member/Organizer | ASA Methodology Mid-year Conf. |
| 2015 | Presider Regular Session | ASA Section on Methodology |
| 2015 | Organizer Regular Session | ASA Section on Methodology |
| 2015 | Session Chair (Statistical Demography) | Population Association of America |
| 2014 - 2015 | Organizer (Statistical Demography) | Population Association of America |
| 2014 - 2015 | Program Committee | Population Association of America |
| 2014 - 2015 | Committee Member, Diss. Award | ASA Section on Math Sociology |
| 2013 - 2014 | Student Council Member (<i>Elected</i>) | ASA Section on Math Sociology |
| 2011 | Panel Chair | 4th Annual PolNets Conference |

Service to the university

| | | | |
|-------------|--|-----------|-----|
| 2020- | Executive Committee | CSDE | UW |
| 2020- | MS in Health Metrics Sciences - Steering Committee | CSDE | UW |
| 2020- | Data Science Minor Curriculum Committee | Sociology | UW |
| 2020 | Reviewer, UW Royalty Research Fund | ORC | UW |
| 2013 - 2018 | CLA Quantitative Methods Collaborative | CLA | UMN |
| 2011 | Session Chair, IMBS Graduate Student Conference | IMBS | UCI |
| 2011 | Grad Div Panelist | GRC | UCI |

Service to the department

| | | | |
|-------------|---|------------|-----|
| 2020 | Committee Member, Awards Committee | Sociology | UW |
| 2017 - 2018 | Committee Member, Graduate Affairs & Admissions | Sociology | UMN |
| 2016 - 2017 | Committee Member, PT&S Committee | Sociology | UMN |
| 2015 - 2018 | Committee Member, Fellowship Committee | Statistics | UMN |
| 2014 - 2016 | Committee Member, Undergrad Affairs Committee | Sociology | UMN |
| 2014 - 2015 | Seminar Coordinator | Statistics | UMN |
| 2014 - 2015 | Sub-Committee Member, Undergraduate Curriculum | Statistics | UMN |
| 2013 - 2016 | Committee Member, Training (Pop Studies Minor) | MPC | UMN |
| 2013 - 2014 | Committee Member, Graduate Affairs & Admissions | Sociology | UMN |
| 2013 - 2014 | Committee Member, MS Curriculum Committee | Statistics | UMN |
| 2013 - 2014 | Committee Member, Computing | Statistics | UMN |
| 2003 - 2005 | Peer Advisor | Math | UO |

Editorial activities

| | | |
|----------------|-----------------|-----------------------------------|
| 2020 - present | Editorial Board | <i>Sociological Perspectives</i> |
| 2020 - present | Editorial Board | <i>Population and Environment</i> |
| 2017 - present | Editorial Board | <i>Social Networks</i> |
| 2018 - 2020 | Editorial Board | <i>Sociological Methodology</i> |

Referee activities

| | | |
|--------------------------------|---------------------------------|----------------------------------|
| American Journal of Sociology | American Sociological Review | JASA |
| Journal of Applied Statistics | Biostatistics | Cognitive Science |
| Journal of Comp Family Studies | JCGS | Computer Networks |
| Demographic Research | Environmental Management | Eurasian Geography & Economics |
| Field Methods | Journal of Gerontology: Soc Sci | J. of Health and Social Behavior |
| Network Science | PLOS One | Political Analysis |
| Science | Science Advances | Social Forces |
| Social Networks | Social Problems | Social Science Research |
| Journal of Social Structure | Sociological Methodology | Soc. Methods & Research |
| Socius | Springer Com Comp & Info Sci | Statistica Sinica |
| Stat Methods in Med Research | Journal of Statistical Software | |

Other reviewer activities

Proposal Reviewer, Network Science Division, Army Research Office
 Proposal Reviewer, SBE (MMS, Sociology, GSSP), National Science Foundation
 Reviewer, John Fox and Sanford Weisberg's book *An R Companion to Applied Regression (potential 3rd ed)*

Professional memberships

2007-present American Association for Public Opinion Research
2009-present American Sociological Association
2013-present American Statistical Association
2009-present International Network for Social Network Analysis
2007-present Population Association of America
2012-present Sigma Xi