

CONTACT INFORMATION	Information School Mary Gates Hall, Ste. 370 Seattle, Washington 98195 USA	email: espiro@uw.edu phone: +1 (206) 616-7395 fax: +1 (206) 616-3152 http://faculty.washington.edu/espiro
RESEARCH INTERESTS	Social network analysis, computational social science, crisis informatics, mathematical sociology, social media, communication and information technology and behavioral trace/online data collection.	
EDUCATION	University of California , Irvine, CA	
	Ph.D., Sociology	December 2013
	<ul style="list-style-type: none"> • <i>Communication and Affective Dynamics During Crisis Events: Measuring the Public's Online Response</i> • Committee: Carter T. Butts (Chair), Katherine Faust, Padhraic Smyth • Examination Fields: Social Networks, Populations and Demography 	
	M.A., Mathematical Behavioral Sciences	March 2011
	Pomona College , Claremont, CA	
	B.A., Mathematics	May 2007
	B.A., Science, Technology and Society	May 2007
APPOINTMENTS	University of Washington, Seattle, WA <i>Associate Professor, Information School</i>	September 2020-present
	University of Washington, Seattle, WA <i>Adjunct Associate Professor, Department of Sociology</i>	September 2020 -present
	University of Washington, Seattle, WA <i>Assistant Professor, Information School</i>	January 2014-August 2020
	University of Washington, Seattle, WA <i>Adjunct Assistant Professor, Department of Sociology</i>	January 2014-August 2020
	University of Washington, Seattle, WA <i>Acting Assistant Professor, Information School</i>	September 2013-December 2013
	University of California, Irvine, CA <i>Graduate Student Fellow, Center for Networks and Relational Analysis</i>	September 2012-May 2013
	University of California, Irvine, CA <i>Graduate Student Researcher, Department of Sociology</i> <i>Supervisor: Carter T. Butts</i>	January 2009-May 2013
	Microsoft Research, Redmond, WA <i>Research Intern, FUSE Labs</i> <i>Supervisors: Shelly Farnham and Andrés Monroy-Hernández</i>	May 2013-August 2013
CURRENT AFFILIATIONS	<ul style="list-style-type: none"> • Information School, University of Washington • Department of Sociology, University of Washington 	

- Center for Statistics and the Social Sciences, University of Washington
- eScience Institute, University of Washington
- Data Science and Analytics Lab, Information School, University of Washington
- Social Media Lab, Information School, University of Washington
- Center for an Informed Public, University of Washington

AWARDS & HONORS	Best Paper Award <i>10th International Conference on Social Computing and Social Media</i> Las Vegas, Nevada	2018
	Lee Dirks Best Paper Award Finalist <i>iConference</i> Wuhan, China	2017
	Best Poster Award <i>2nd Annual International Conference on Computational Social Science</i> Evanston, Illinois	2016
	Honorable Mention Paper (Top 5%) <i>ACM Conference on Computer-Supported Cooperative Work and Social Computing</i> San Francisco, California	2016
	Distinguished Teaching Award Nominee <i>University of Washington</i>	2016
	Top 30 Thinkers Under 30 <i>Pacific Standard Magazine: The Science of Society</i>	2014
	Best Student Paper Award <i>Workshop on Social Network and Social Media Analysis</i> <i>26th Annual Conference on Neural Information Processing Systems</i> Lake Tahoe, Nevada	2012
	ACM Web Science 2012 Best Social Science Student Paper Award <i>Northwestern University</i> Evanston, Illinois	2012
	Honorable Mention, Graduate Research Fellowship <i>National Science Foundation</i> Arlington, Virginia	2009
	Science, Technology and Society Thesis Prize <i>Pomona College, Claremont, California</i>	2007
GRANTS, GIFTS & OTHER FUNDING	Weber, N. (PI), C. Palmer (Co-PI), Emma S. Spiro (Co-PI), C. Coward (Co-PI). “Co-Designing Protocols for Data Creation, Analysis, and Use among Local Care Networks in Seattle and Boston to Enhance Disaster Resilience.” National Science Foundation [SCC-CIVIC-PG Track B]: \$49,997	
	Spiro, Emma S. (PI), and J.H. Lee (Co-PI). (09/2020-03/2021) “Fandom and Mis/Disinformation.” University of Washington Center for an Informed Public Innovation Fund: \$18,615.00	
	Emma S. Spiro (Co-PI), Starbird, K. (Co-PI) and West, J. (Co-PI). (05/2020-09/2020) “Rumor Dynamics Online during the COVID-19 Crisis.” Population Health Initiative, University of Washington. \$25,972.00	

Emma S. Spiro (PI), Starbird, K. (Co-PI) and West, J. (Co-PI). (04/2020-03/2021) “RAPID: How Scientific Data, Knowledge, and Expertise Mobilize in Online Media during the COVID-19 Crisis.” National Science Foundation [#IIS-SaTC]: \$197,538.00

Spiro, Emma S. (PI), and L. Stewart (Co-PI). (01/2020-12/2020) “Community-Centric Quantitative Methods for Trans Populations.” University of Washington Information School Strategic Research Award: \$15,000.00

Calo, R. (Co-PI), C. Coward (Co-PI), **Emma S. Spiro**, (Co-PI), K. Starbird, (Co-PI), and J. West (Co-PI). (09/2019-08/2020) “Center for an Informed Public.” Microsoft. \$150,000.00

Calo, R. (Co-PI), C. Coward (Co-PI), **Emma S. Spiro**, (Co-PI), K. Starbird, (Co-PI), and J. West (Co-PI). (09/2019-08/2025) “Center for an Informed Public.” Knight Foundation. \$5,000,000.00

Calo, R. (Co-PI), C. Coward (Co-PI), **Emma S. Spiro**, (Co-PI), K. Starbird, (Co-PI), and J. West (Co-PI). (09/2019-08/2025) “Center for an Informed Public.” Hewlett Foundation. \$600,000.00

Weber, N. (Co-PI), **Emma S. Spiro** (Co-PI), and Krafft, P. (Co-PI). (06/2019-12/2019). “Municipal Technology Policy: Algorithms and Accountability in Practice.” University of Washington Information School Innovation Fund Award. \$8,000.

Emma S. Spiro (PI), and Starbird, K. (Co-PI). (06/2019-09/2019) “CHS-Small: Research Experience for Undergraduates - Tracking and Unpacking Rumor Permutations to Understand Collective Sensemaking Online.” National Science Foundation [#IIS-1715078]: \$16,000.00

Spiro, Emma S. (PI), and Starbird, K. (Co-PI). (09/2017-08/2019) “CHS-Small: Tracking and Unpacking Rumor Permutations to Understand Collective Sensemaking Online.” National Science Foundation [#IIS-1715078]: \$494,188.00

Spiro, Emma S. (PI). (01/2017-12/2017) “Social Networks and Health Behavior in Online Activity Platforms.” University of Washington Information School Strategic Research Award: \$14,999.00

Starbird, K. (PI), and **Emma S. Spiro** (Co-PI). (06/2016-09/2016) “CHS-Small: Research Experience for Undergraduates - Detecting Misinformation Flows in Social Media Spaces During Crisis Events.” National Science Foundation [#IIS-1420255]: \$16,000.00

Spiro, Emma S. (PI). (07/2015-07/2018) “Mass Convergence of Attention During Crisis Events: Degree Dynamics and Emergency Response in Online Settings.” Army Research Office (ARO) Young Investigator Program: \$149,997.00

Spiro, Emma S. (PI), and K. Starbird (Co-PI). (09/2015-09/2016) “Detecting Misinformation Flows in Social Media Spaces During Crisis Events.” Microsoft Research Azure Research Award: \$20,000.00

Starbird, K. (PI), and **Emma S. Spiro** (Co-PI). (06/2015-09/2015) “CHS-Small: Research Experience for Undergraduates - Detecting Misinformation Flows in Social Media Spaces During Crisis Events.” National Science Foundation [#IIS-1420255]: \$32,000.00

Starbird, K. (PI), **Emma S. Spiro** (Co-PI), and R. Mason (Co-PI). (09/2014-09/2016) “CHS-Small: Detecting Misinformation Flows in Social Media Spaces During Crisis Events.” National Science Foundation [#IIS-1420255]: \$515,046.00

- Spiro, Emma S.** (Co-PI), H. Lee (Co-PI), and T. McCormick (Co-PI). (2015). “Rethinking Data in Sociology Speaker Series.” Jointly Funded by the Information and Society Center (iSchool) and the Department of Sociology, University of Washington, and Context Relevant: \$15,000.00
- [J15] Almquist, Z.W., S. Arya, L. Zeng, and **Emma S. Spiro**. (2019). “Unbiased sampling of users from (online) activity data.” *Field Methods*. Vol. 31(1), pp. 23-38. <https://doi.org/10.1177/1525822X18799426>
- [J14] Litt, D. M., M.A. Lewis, **Emma S. Spiro**, L. Aulck, K. Waldron, A. Swanson, and M.K. Head-Corliss. (2018). #drunktwitter: An examination of the relationship between self-reported drinking behavior and publicly available Twitter activity. *Drug and Alcohol Dependence*. Vol. 193, pp. 75-82. <https://doi.org/10.1016/j.drugalcdep.2018.08.021>
- [J13] Cesare, N., H. Lee, T. McCormick, **Emma S. Spiro**, and T. Zagheni. (2018). “Data in the wild’: promises and pitfalls of using big social data for demographic research.” *Demography*. Vol 55(5), pp. 1979-1999. (Alphabetical authorship.) <https://doi.org/10.1007/s13524-018-0715-2>
- [J12] **Spiro, Emma S.** and A. Monroy-Hernández. (2016). “Shifting stakes: understanding the dynamic roles of individuals and organizations in social media protests.” *PLoS ONE* 11(10): e0165387. <https://doi.org/10.1371/journal.pone.0165387>
- [J11] Fitzhugh, S.M., C.B. Gibson, **Emma S. Spiro**, and C.T. Butts. (2016). “Spatio-temporal filtering techniques for the detection of disaster-related communication.” *Social Science Research*. Vol. 59, pp. 137-154. <https://doi.org/10.1016/j.ssresearch.2016.04.023>
- [J10] Reed, P., **Emma S. Spiro**, and C.T. Butts. (2016). “Thumbs up for privacy?: Differences in online self-disclosure behavior across national cultures.” *Social Science Research*. Vol. 59, pp. 155-170. <https://doi.org/10.1016/j.ssresearch.2016.04.022>
- [J9] **Spiro, Emma 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*. Vol 2, pp. 1-15. <https://doi.org/10.1177/2378023116634340>
- [J8] **Spiro, Emma S.** (2016). “Research opportunities at the intersection of social media and survey data.” *Current Opinion in Psychology, Special Issue on Social Media & Applications to Health Behavior*. Vol 9, pp. 67-71. <https://doi.org/10.1016/j.copsy.2015.10.023>
- [J7] Sutton, J., C.B. Gibson, N.E. Phillips, **Emma S. Spiro**, C. League, B. Johnson, S.M. Fitzhugh, and C.T. Butts. (2015). “A cross-hazard analysis of terse message retransmission on Twitter.” *Proceedings of the National Academy of Sciences*, Vol. 112(48), pp. 14793-14798. <https://doi.org/10.1073/pnas.1508916112>
- [J6] McCormick, T., H. Lee, N. Cesare, A. Shojaie, and **Emma S. Spiro**. (2015). “Using Twitter for demographic and social science research: Tools for data collection.” *Sociological Methods and Research*, Vol 46(3), pp. 390-421. <https://doi.org/10.1177/0049124115605339>
- [J5] Sutton, J., C.B. Gibson, **Emma S. Spiro**, C. League, S. Fitzhugh, and C.T. Butts. (2015). “What it takes to get passed on: Message content, style, and structure as predictors of retransmission in the Boston marathon bombing response.” *PLOS ONE*, Vol. 10(8): e0134452. <https://doi.org/10.1371/journal.pone.0134452>

- [J4] Sutton, J., **Emma S. Spiro**, B. Johnson, S. Fitzhugh, C.B. Gibson, and C.T. Butts. (2014). “Warning tweets: serial transmission of warning messages during a disaster event.” *Information, Communication, and Society*, Vol. 17, Issue 6. <https://doi.org/10.1080/1369118X.2013.862561>
- [J3] Sutton, J., **Emma S. Spiro**, M. Greczek, B. Johnson, S. Fitzhugh, and C.T. Butts. (2013). “Tweeting the spill.” *International Journal of Information Systems for Crisis Response and Management*. Vol 5(1), pp. 58-76. <https://doi.org/10.4018/jiscrm.2013010104>
- [J2] **Spiro, Emma S.**, R. M. Acton, and C.T. Butts. (2013). “Extended structures of mediation: Re-examining brokerage in dynamic networks.” *Social Networks*, Vol. 35, pp. 130-143. <https://doi.org/10.1016/j.socnet.2013.02.001>
- [J1] Eppstein, D. and **Emma S. Spiro**. (2012). “The h-index of a graph and its application to dynamic subgraph statistics.” *Journal of Graph Algorithms and Applications*. Vol. 16, no. 2, pp. 543-567. <http://dx.doi.org/10.7155/jgaa.00273>

PEER REVIEWED
CONFERENCE
PAPERS

- [P24] Zeng, L., D. Dailey, O. Mohamed, K. Starbird, and **Emma S. Spiro**. (2019). “Detecting Journalism in the Age of Social Media: Three Experiments in Classifying Journalists on Twitter.” *In Proceedings of the International Conference on Web and Social Media (ICWSM)*. Munich, Germany.
- [P23] Krafft, P., and **Emma S. Spiro**. (2019). “Keeping Rumors in Proportion: Managing Uncertainty in Rumor Systems.” *In Proceedings of the ACM CHI Conference on Human Factors in Computing Systems*. Glasgow, United Kingdom.
- [P22] Zeng, L., Z. Almquist, and **Emma 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 (HICSS)*. IEEE Computer Society. Kauai, Hawaii.
- 🏆 [P21] Zeng, L., Z.W. Almquist, and **Emma S. Spiro**. (2018). “Stay Connected and Keep Motivated: Modeling Activity Level of Exercise in an Online Fitness Community.” *In Lecture Notes in Computer Sciences Proceedings of the HCI International Conference*. Las Vegas, Nevada. [Best Paper Award of the 10th International Conference on Social Computing and Social Media](#)
- [P20] Starbird, K., D. Dailey, O. Mohamed, G. Lee, and **Emma S. Spiro**. (2018). “Engage Early, Correct More: How Journalists Participate in False Rumors Online during Crisis Events.” *In Proceedings of the ACM CHI Conference on Human Factors in Computing Systems*. Montreal, Canada.
- [P19] Stewart, Leo G., A. Arif, A.C. Nied, **Emma S. Spiro**, and K. Starbird. (2017). “Drawing the Lines of Contention: Networked Frame Contests Within #BlackLivesMatter Discourse.” *PACMHCI*. 1, CSCW, Article 122 (November), 23 pages.
- [P18] Wilson, T., S.A. Stanek, **Emma S. Spiro**, and K. Starbird. (2017). “Language Limitations in Rumor Research? Comparing French and English Tweets Sent During the 2015 Paris Attacks.” *In Proceedings of the 14th International Conference on Information Systems for Crisis Response and Management (ISCRAM)*. Albi, France.
- [P17] Krafft, P., K. Zhou, I. Edwards, K. Starbird, and **Emma S. Spiro**. (2017). “Centralized, Parallel, and Distributed Information Processing during Collective Sensemaking.” *In Proceedings of the ACM CHI Conference on Human Factors in Computing Systems*. Denver, Colorado.

- [P16] Zeng, Li., Z.W. Almquist, and **Emma S. Spiro**. (2017). “Let’s Workout! Exploring Social Exercise in an Online Fitness Community.” *In Proceedings of the iConference*. Wuhan, China. [Lee Dirks Best Paper Award Finalist](#)
- [P15] Cesare, N., **Emma S. Spiro**, H. Lee, and T. McCormick. (2016). “Examining Community Policing on Twitter: Precinct Use and Community Response.” (2016). *In Proceedings of the International Conference on Social Informatics (SocInfo)*. Seattle, Washington.
- [P14] Zeng, L., K. Starbird, and **Emma S. Spiro**. (2016). “#Unconfirmed: Classifying Rumor Stance in Crisis-Related Social Media Messages.” *In Proceedings of the International Conference on Web and Social Media (ICWSM), Poster Paper*. Cologne, Germany.
- [P13] **Spiro, Emma S.**, J.N. Matias, and A. Monroy-Hernández. (2016). “Networks of Gratitude: Structures of Thanks and User Expectations in Workplace Appreciation Systems.” *In Proceedings of the International Conference on Web and Social Media (ICWSM)*. Cologne, Germany.
- [P12] Majid, A.M., and **Emma S. Spiro** (2016). “Crisis in a Foreign Language: Emergency Services and Limited English Populations.” *In Proceedings of the International Conference on Information Systems for Crisis Response and Management (ISCRAM)*. Rio de Janeiro, Brazil.
- [P11] Starbird, K., **Emma S. Spiro**, I. Edwards, K. Zhou, J. Maddock, and S. Narasimhan. (2016). “Could this be true? I think so! Expressed Uncertainty in Online Rumoring.” *In Proceedings of the ACM CHI Conference on Human Factors in Computing Systems*. San Jose, California.
- [P10] Andrews, C., E. Fichet, S. Ding, **Emma S. Spiro** and K. Starbird. (2016). “Keeping Up with the Tweet-dashians: The Impact of ‘Official’ Accounts on Online Rumoring.” *In Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)*. San Francisco, California. [Honorable Mention Paper, \(Top 5%\)](#)
- [P9] Arif, A., K. Shanahan, R. Chou, S. Dosouto, K. Starbird, and **Emma S. Spiro**. (2016). “How Information Snowballs: Exploring the Role of Exposure in Online Rumor Propagation.” *In Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)*. San Francisco, California.
- [P8] Zeng, L., K. Starbird, and **Emma S. Spiro**. (2016). “Rumors at the Speed of Light? Modeling the Rate of Rumor Transmission during Crisis.” *In Proceedings of the 49th Hawaii International Conference on Systems Science (HICSS)*. IEEE Computer Society. Kauai, Hawaii.
- [P7] Starbird, K., **Emma S. Spiro**, A. Arif, R. Chou, S. Narasimhan, J. Maddock, K. Shanahan, and J. Robinson. (2015). “Expressed Uncertainty and Denials as Signals of Online Rumoring.” *In Proceedings of the Collective Intelligence Conference*. Santa Clara, California.
- [P6] **Spiro, Emma S.**, J. Sutton, S. Fitzhugh, and C.T. Butts. (2014). “Online Communication Dynamics During Natural Hazard Events.” *In Proceedings of the International Communication Association Annual Conference*. Seattle, Washington.
- [P5] Sutton, J., **Emma S. Spiro**, B. Johnson, S. Fitzhugh, C.B. Gibson, and C.T. Butts. (2014). “Terse Message Amplification in the Boston Bombing Response.” *In Proceedings of the International Conference on Information Systems for Crisis Response and Management (ISCRAM)*. University Park, Pennsylvania.

[P4] Rzeszotarski, J., **Emma S. Spiro**, J. Matias, A. Monroy-Hernandez, M. Morris. (2014). “Is Anyone Out There? Unpacking Q&A Hashtags on Twitter.” *In Proceedings of the ACM CHI Conference on Human Factors in Computing Systems, Note*. Toronto, Canada.

🏆 [P3] **Spiro, Emma S.**, J. Sutton, S. Fitzhugh, M. Greczek, N. Pierski, and C.T. Butts. (2012). “Rumoring During Extreme Events: A Case Study of Deepwater Horizon 2010.” *In Proceedings of the ACM Web Science 2012 Conference (WebSci12)*. Evanston, Illinois. [Best Social Science Student Paper Award](#)

[P2] Sutton, J., **Emma S. Spiro**, M. Greczek, B. Johnson, S. Fitzhugh, and C.T. Butts. (2012). “Connected Communications: Network Structures of Official Communications in Disaster.” *In Proceedings of the 9th International Conference on Information Systems for Crisis Response and Management (ISCRAM)*. Vancouver, Canada.

[P1] Eppstein, D., and **Emma S. Spiro**. (2009). “The h-Index of a Graph and its Application to Dynamic Subgraph Statistics.” Algorithms and Data Structures Symposium (WADS), Banff, Canada. *Lecture Notes in Computer Science* 5664, pp. 278-289.

BOOK CHAPTERS

[C3] **Spiro, Emma S.** (2018). “Online Communication During Crisis Events.” Eds. B. Foucault-Wells and S. González-Bailón. *The Oxford Handbook of Networked Communication*. Oxford, UK: Oxford University Press.
<https://doi.org/10.1093/oxfordhb/9780190460518.001.0001>

[C2] Almquist Z. W., **Emma S. Spiro**, and C.T. Butts. (2016). “Shifting Attention: Modeling Follower Relationship Dynamics among US Emergency Management-related Organizations.” Eds. Eric Jones and AJ Faas. Elsevier. *Social Network Analysis of Disaster Response, Recovery, and Adaptation*.
<https://doi.org/10.1016/C2015-0-04540-3>

[C1] Sutton, J., C.B. Gibson, **Emma S. Spiro**, C. League, S. Fitzhugh, and C.T. Butts. (2016). “What it Takes to Get Passed On: Message Content, Style, and Structure as Predictors of Retransmission in the Boston Marathon Bombing Response.” *Effective Communication During Disasters: Making Use of Technology, Media, and Human Resources* Eds. Girish Bobby Kapur, Sarah Bezek, and Jonathan Dyal. Apple Academic Press Inc.

EDITED VOLUMES

[V1] **Spiro, Emma S.**, and Yong-Yeol Ahn. (2016). *Social Informatics, 8th International Conference, SocInfo 2016 Proceedings, Part I and II*. Lecture Notes in Computer Science. Bellevue, WA, USA.

WORKSHOP PAPERS

[W6] A.C. Nied, L. Stewart, **Emma S. Spiro**, and K. Starbird. (2017). “Alternative Narratives of Crisis Events: Communities and Social Botnets Engaged on Social Media.” *In Conference Companion of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing*. Portland, Oregon.

[W5] Tatman, R., L. Stewart, A. Paullada, and **Emma S. Spiro**. (2017). “Non-lexical Features Encode Political Affiliation on Twitter.” NLP+CSS: Second Workshop on Natural Language Processing and Computational Social Science at Annual Meeting of the Association for Computational Linguistic (ACL 2017). Vancouver, Canada.

- [W4] Zeng, L., Z.W. Almquist, and **Emma S. Spiro**. (2016). “Lets Workout! Exploring Social Exercise in an Online Fitness Community.” Workshop on Activity-based Networks, *International Conference on Social Informatics*. Seattle, Washington.
- [W3] Arya, S., **Emma S. Spiro**, and Z.W. Almquist. (2016). “Geo-social Rankings Derived from Activity-based Apps.” Workshop on Activity-based Networks, *International Conference on Social Informatics*. Seattle, Washington.
- [W2] Williams, J. A., and **Emma S. Spiro**. (2015). “Tweeting the Japanese General Election of 2014 - A First Look.” First Annual Conference on Voting, Elections, and Electoral Systems, University of Washington. Seattle, Washington.
- ☛ [W1] **Spiro, Emma S.**, C. L. DuBois, and C.T. Butts. (2012). “Waiting for a Retweet: Modeling Waiting Times in Information Propagation.” *Workshop on Social Network and Social Media Analysis: Methods, Models and Applications. Neural Information Processing Systems (NIPS)*. Lake Tahoe, NV. [Best Student Paper Award](#)

WORKING PAPERS,
REPORTS &
REVIEWS

- [T2] Starbird, Kate, **Emma S. Spiro**, and Kolina Koltai. (2020). Misinformation, Crisis, and Public Health Reviewing the Literature V1.0. Social Science Research Council, MediaWell. June 25, 2020. <http://doi.org/10.35650/MD.2063.d.2020>
- [T1] Reeder, H. T., T. McCormick, and **Emma S. Spiro**. (2014). “Online information behaviors during disaster events: roles, routines, and reactions.” *Center for Statistics and the Social Science Working Paper No. 144*, University of Washington.

SELECTED
GENERAL
AUDIENCE
PUBLICATIONS

- Bak-Coleman, et al. (2020). “Vote Data Patterns used to Delegitimize the Election Results.” Election Integrity Partnership (EIP) Data Brief. <https://bit.ly/3mFxW45>
- Starbird, et al. (2020). “Uncertainty and Misinformation: What to Expect on Election Night and Days After.” Election Integrity Partnership (EIP) Data Brief. <https://www.eipartnership.net/news/what-to-expect>
- EIP Team. (2020). “Vote Data Patterns used to Delegitimize the Election Results.” Election Integrity Partnership (EIP) Data Brief. <https://www.eipartnership.net/rapid-response/repeat-offenders>
- Kennedy, I., et al. (2020). “Repeat Offenders: Voting Misinformation on Twitter in the 2020 United States Election.” Election Integrity Partnership (EIP) Data Brief. <https://www.eipartnership.net/rapid-response/mail-dumping>
- Starbird, K., **Emma S. Spiro** and J. West. (2020). “This covid-19 misinformation went viral. Here’s what we learned. Monkey Cage. The Washington Post. <https://wapo.st/3evY51q>
- Starbird, K., and **Emma S. Spiro**. (2016). “Slowing the Spread of Viral Misinformation: Can Crowdsourcing Help?” Association for Computing Machinery (ACM) Blog, Huffington Post.
- Farnham, S., M. Lahav, A. Monroy-Hernández, and **Emma S. Spiro**. (2015) “Neighborhood Community Well-being and Social Media” <http://bit.ly/1JMeXtT>
- Monroy-Hernández, A. and **Emma S. Spiro**. (2013) “How Brazilian protesters are using Twitter.” Guardian Datablog. <http://www.guardian.co.uk/news/datablog/2013/jul/04/>

Monroy-Hernández, A. and **Emma S. Spiro**. (2013) “How is the Brazilian Uprising Using Twitter?” Microsoft Research FUSELabs Blog.
<http://blog.fuselabs.org/>

SUBMITTED

Stewart, L.G., and **Emma S. Spiro**. “Nobody Puts Redditor in a Binary: Digital Demography, Collective Identities, and Gender in a Subreddit Network.” Conditionally accepted to CSCW 2021.

Register, Y. and **Emma S. Spiro**. “Developing Self-Advocacy Skills Through Machine Learning Education: The Case of Ad Recommendation on Facebook.”

Beers, A., S. Nguyen, . Schafer, J. Liu, K. Koltai, **Emma S. Spiro**, K. Starbird. “Staking a Claim to Science: Boundary Work in Online Discourse About COVID-19.”

KEYNOTE TALKS

Spiro, Emma S. (July 2019) “Online Social and Information Behaviors During Crisis Events” Keynote Talk. International Conference on Computational Social Science (IC2S2). Amsterdam, Netherlands.

Spiro, Emma S. (August 2018) “Understanding Social Behavior During Crisis Events using Digital Traces.” Keynote Talk. Advances in Social Network Analysis and Mining. Barcelona, Spain.

INVITED TALKS

Spiro, Emma S. (January 2021) “Election Disinformation: Real-time Analysis and Response.” South Big Data Hub, Social Cybersecurity Working Group. Virtual.

Spiro, Emma S. (October 2020) “Data Science During Times of Crisis.” Annual Meeting and Leaders Summit, Academic Data Science Alliance. Virtual.

Spiro, Emma S. (February 2020) “Misinformation in the Context of Emergencies and Disaster Events.” Detecting, Combating, and Identifying Dis and Misinformation. AAAS Annual Meeting. Seattle, Washington.

Spiro, Emma S. (January 2020) “Who Can We Trust?” Invited Panel at the Seattle Town Hall. Seattle, Washington.

Spiro, Emma S. (September 2019) “Online Social and Information Behaviors During Crisis Events.” Puget Sound Social Media Summit. Seattle, Washington.

Spiro, Emma S. (April 2019) “Social Sensing: A Synergy between Computer and Social Sciences.” Invited Panel at the 4th International Workshop on Social Sensing (SocialSens) at CPSWeek. Montreal, Canada.

Spiro, Emma S. (October 2018) “Social Behavior During Crisis Events” Department of Psychology, University of Washington. Seattle, Washington.

Spiro, Emma S. (October 2018) “Social Behavior During Crisis Events” All Boats Rise? Social Capital, Promise and Peril. Amazon. Seattle, Washington.

Spiro, Emma S. (October 2018) “Social Behavior During Crisis Events” Media, Technology & Society (MTS) Speaker Series, Northwestern University. Evanston, Illinois.

Spiro, Emma S. (March 2017) “Understanding Social Behavior During Crisis Events using Digital Traces.” NYC Data Science Seminar Series. Microsoft Research NYC. New York, New York.

Spiro, Emma S. (March 2017) “Look Who’s Watching: Understanding the Audience of Police on Social Media” Demography Brown Bag Seminar Series, University of California, Berkeley.

Spiro, Emma S. (February 2017) “Social Networks and User Engagement: Preliminary Analysis.” Strava, Inc. San Francisco, California.

Spiro, Emma S. (February 2017) “Understanding Social Behavior During Crisis Events using Digital Traces.” Sungkyunkwan University Data Science Exchange Program. University of Washington. Seattle, Washington.

Spiro, Emma S. (May 2016) “Networks of Gratitude: Structures of Thanks in Workplace Appreciation Systems.” University Konstanz. Konstanz, Germany.

Spiro, Emma S. (May,2016) “#Unconfirmed: Online Social Behavior During Crisis Events.” Workshop on Computational Social Science. University Konstanz. Konstanz, Germany.

Spiro, Emma S. (April 2016) “Understanding Social Behavior During Crisis Events using Digital Traces.” Symposium on New Directions in Computational Social Science and Data Science. Simons Institute, University of California. Berkeley, California.

Spiro, Emma S. (January 2016) “Rumoring on Social Media During Crisis.” UW Undergraduate Research Program, Research Exposed!: Approaches to Inquiry. University of Washington. Seattle, Washington.

Spiro, Emma S., Lee, Cesare, and McCormick. (November 2014) “Taming ‘Data in the Wild’: The Promises and Pitfalls of Big Social Data for Demographic Research.” 6th International Conference on Social Informatics (SocInfo) Workshop: Social Scientists Working with Start-ups. Barcelona, Spain.

Spiro, Emma S. (October 2014) “Online Information Behaviors During Disaster Events: Roles, Routines, and Reactions.” Center for Statistics and the Social Science Seminar. University of Washington. Seattle, Washington.

Spiro, Emma S., (February 2014) “Online Communication Dynamics During Natural Hazard Events.” Seminar on Cultural, Organizational, Political and Economic Sociology. Department of Sociology, University of Washington. Seattle, Washington.

Spiro, Emma S. (July 2013) “Hazard Warnings and Alerts: Content, Style, and Structure.” Microsoft Research and University of Washington Workshop. Toward a Smarter Society: The Role of Computational Social Science. Bellevue, Washington.

Spiro, Emma S. (April 2013) “Online Communication and Information-related Behaviors During Emergencies and Disasters.” School of Information, University of Washington, Seattle, Washington.

Spiro, Emma S. (January 2011) “Extended Structures of Mediation: Re-examining Brokerage in Dynamic Networks.” Conference on Behavior In and On Networks, Institute for Mathematical Behavioral Sciences, University of California, Irvine, California.

CONFERENCE
PRESENTATIONS

Spiro, Emma S. (July 2020) “Narrative Permutations through Social Interactions.” 40th Sunbelt Network Conference (INSNA). Paris, France.

Stewart and Spiro, Emma S. (July 2020) “Towards a Networked Demography? A case study of gender countercultures on Reddit.” 40th Sunbelt Network Conference (INSNA). Paris, France.

Porter and Spiro, Emma S. (July 2020) “Examining Expressions of Identity In Dynamic Networks: A Multimodal Approach.” 40th Sunbelt Network Conference (INSNA). Paris, France.

Stewart and Spiro, Emma S. (June 2019) “Tracing Networked Gender Discourse on Reddit.” 39th Sunbelt Network Conference (INSNA). Montreal, Canada.

Almquist, and Emma S. Spiro. (August 2016) “The Structure of Activity-based Online Personal Networks.” Joint Statistical Meetings. Chicago, Illinois.

Spiro, Emma S., and Almquist. (August 2016) “Gender-based Opportunity Structures in an Activity-Based Online Social Networks.” American Sociological Association: Rationality and Society Section, Session on Rationality and Social Structure. Seattle, Washington.

Lewis, Litt, and Emma S. Spiro. (June 2016). “Social media expressions of alcohol use in young adults: An in-depth examination of Twitter activity as a predictor of high-risk drinking.” Alcohol and Drug Abuse Institute Brown Bag, Alcohol and Drug Abuse Institute, Seattle, WA.

Lewis, Litt, and Emma S. Spiro. (June 2016). “Social media expressions of alcohol use in young adults: An in-depth examination of Twitter activity as a predictor of high-risk drinking.” In D. Litt (Chair) and M. Lewis (Chair), A Multi-Method Examination of the Associations between Social Networking Sites and Alcohol Use. Symposia presented at the Annual Meeting of the Research Society on Alcoholism, New Orleans, LA.

Zeng, Nied, Walls, Robinson, Starbird and Emma S. Spiro. (June 2016) “Automatic Misinformation Detection on Social Media Spaces during Crisis Events.” 2nd Annual International Conference on Computational Social Science, Evanston, Illinois.

Cesare, Emma S. Spiro, Lee, and McCormick. (June 2016) “Exploring Relationship Dynamics between Citizens and the Police Via Twitter.” 2nd Annual International Conference on Computational Social Science, Evanston, Illinois. [Best Poster Award](#)

Spiro, Emma S. and Almquist. (April 2016) “Mechanisms of Tie Formation in Activity-based Online Social Networks.” 36th Sunbelt Network Conference (INSNA). Newport Beach, California.

Almquist and Emma S. Spiro. (April 2016) “Personal Network Structures in Activity-based Online Social Networks.” 36th Sunbelt Network Conference (INSNA). Newport Beach, California.

Zeng, Starbird and Emma S. Spiro. (April 2016) “Modeling rumor diffusion on social media during crisis events.” 36th Sunbelt Network Conference (INSNA). Newport Beach, California.

Walls, Starbird, and Emma S. Spiro (April 2016) “A Network-based Approach to Scoping Rumor Stories in Social Media.” 36th Sunbelt Network Conference (INSNA). Newport Beach, California.

Espinoza, Phillips, Gibson, League, Johnson, Emma S. Spiro, Fitzhugh, Sutton and Butts. (April 2016) “Emergency Management Organizations’ Twitter Follower Growths During and After Disasters.” 36th Sunbelt Network Conference (INSNA), Poster presentation. Newport Beach, California.

Lee, McCormick, Emma S. Spiro, and Cesare. (March 2016) “Exploring Relationship Dynamics Between Citizens and the Police Via Twitter.” Population Association of America Annual Meeting. Washington, D.C.

Spiro, Emma S. and Almquist. (August 2015) “Social Interaction in Activity-Based Online Communities.” Joint Statistical Meetings. Seattle, Washington.

Phillips, Fitzhugh, Sutton, Butts, Emma S. Spiro, Gibson, League, and Johnson. (July 2015) “HEROIC: Hazards, Emergency Response, and Online Informal Communication.” 40th Annual Natural Hazards and Applications Workshop. Broomfield, Colorado.

Walls, L., Maddock, Starbird, and Emma S. Spiro. (July 2015). “What Should Count?: A Quantitative Approach to Scoping Rumors in Social Media.” Social Media and Society Conference 2015, Toronto, Ontario, Canada.

Spiro, Emma S. and Almquist. (June 2015) “Demographic Opportunity Structures in Activity-Based Online Social Networks.” 35th Sunbelt Network Conference (INSNA), Brighton, England.

Phillips, Sutton, Fitzhugh, League, Johnson, Emma S. Spiro, Gibson and Butts. (June 2015) “Emergency Management Interorganizational Networks.” 35th Sunbelt Network Conference (INSNA), Brighton, England.

Cesare, Lee, McCormick, Morris, Shojaie, Emma S. Spiro. (June 2015) “Redrawing the ‘Color Line’: Examining Racial Segregation in Associative Networks On Twitter.” 35th Sunbelt Network Conference (INSNA), Brighton, England.

Starbird, Emma S. Spiro, Arif, Chou, Narasimhan, Maddock, Shanahan and Robinson. (May 2015) “Expressed Uncertainty and Denials as Signals of Online Rumoring.” Collective Intelligence Conference. Santa Clara, California.

Walls, Starbird, and Emma S. Spiro (May 2015) “Did You Hear about the Computer that Can Detect Rumors?: An Algorithmic Approach to Rumor Detection.” Poster presentation, Undergraduate Research Symposium, University of Washington.

Zhu and Emma S. Spiro (May 2015) “Exploring Young Adults’ Drinking Behavior via Digital Traces on Social Media.” Poster presentation, Undergraduate Research Symposium, University of Washington.

Bill, Zagheni, and Emma S. Spiro (May 2015) “The Exploration of Leadership Structure within #YesAllWomen.” Poster presentation, Undergraduate Research Symposium, University of Washington.

Cesare, Emma S. Spiro, McCormick and Lee. (April 2015) “Self-presentation and Information Disclosure on Twitter: Understanding Patterns and Mechanisms along Demographic Lines.” Population Association of America Annual Meeting. San Diego, California.

Reeder, McCormick, and Emma S. Spiro. (April 2015) “Online Information Behaviors During Disaster Events: Roles, Routines, and Reactions.” Population Association of America Annual Meeting. San Diego, California.

Reed, Emma S. Spiro, and Butts. (March 2015) “Using Facebook Data to Examine Culture and Self-Disclosure Behaviors.” iConference Poster. Newport Beach, California.

Fitzhugh, Emma S. Spiro and Butts. (August 2014) “Did You Feel it? Spatial Filtering Techniques for Detection of Local Disaster Events” American Sociological Association: Section on Mathematical Sociology, San Francisco, California.

Fitzhugh, Sutton, Butts, Emma S. Spiro, Gibson, League, and Johnson (June 2014) “Project HEROIC: Hazards, Emergency Response, and Online Informal Communication.” 39th Annual Natural Hazards and Applications Workshop. Broomfield, Colorado.

Spiro, Emma S., Fitzhugh, Sutton, and Butts. (May 2014) “Online Communication Dynamics During Natural Hazard Events” International Communication Association: Section for Communication and Technology. Seattle, Washington.

Spiro, Emma S., and Monroy-Hernandéz. (February 2014) “A Tale of Two Social Movements.” 34th Sunbelt Network Conference (INSNA), St. Pete Beach, Florida.

Spiro, Emma S., and Butts. (August 2013) “When Bad Things Happen To ‘Good’ People: Online Communication Dynamics During Natural Hazard Events” American Sociological Association: Regular Section on Disasters, New York, New York.

Gibson, Emma S. Spiro, Fitzhugh, and Butts. (August 2013) “Estimating Active User Population Dynamics in Online Social Networks.” American Sociological Association: Section on Methodology Paper Session, New York, New York.

Sutton, Johnson, Emma S. Spiro, Gibson, Fitzhugh, and Butts. (August 2013) “Warning Tweets: Serial Transmission of Warning Messages during a Disaster Event.” American Sociological Association: Regular Section on Disasters, New York, New York.

Gibson, Emma S. Spiro, and Butts. (May 2013) “Estimating Active User Population Dynamics in Online Social Networks.” 33rd Sunbelt Network Conference (INSNA), Hamburg, Germany.

Almquist, Emma S. Spiro, and Butts. (May 2013) “Missing Data Methods for Dynamic Network logistic-Regression.” 33rd Sunbelt Network Conference (INSNA), Hamburg, Germany.

Spiro, Emma S., and Butts. (May 2013) “Degree dynamics: spikes and decay in attention relationships.” 33rd Sunbelt Network Conference (INSNA), Hamburg, Germany.

Spiro, Emma S., DuBois, and Butts. (December 2012) “Waiting for a Retweet: Modeling Waiting Times in Information Propagation.” Poster presentation. Workshop on Social Network and Social Media Analysis: Methods, Models and Applications. Neural Information Processing Systems (NIPS). Lake Tahoe, Nevada.

Spiro, Emma S., Pierski, and Butts. (August 2012) “Mapping an Ecology of Privacy: A Cross-national Comparison of Control of Self-presentation Online.” American Sociological Association: Section on Communication and Information Technology, Denver, Colorado.

Spiro, Emma S., Sutton, Johnson, and Butts. (August 2012) “Diffusion of Innovation Among Government Organizations: Asymmetric Effects of Organizational Lineage on Social Media Adoption.” Fifth Joint Japan-North America Mathematical Sociology Conference. Denver, Colorado.

Spiro, Emma S., Sutton, Fitzhugh, Greczek, Pierski, and Butts. (June 2012) “Rumoring During Extreme Events: A Case Study of Deepwater Horizon 2010.” ACM Web Science 2012 Conference (WebSci12). Evanston, Illinois.

Spiro, Emma S., Sutton, and Butts. (June 2012) “Shifting Attention: The Effect of External Stimuli on Social Ties Among Emergency Management Organizations.” Political Networks Conference, Boulder, Colorado.

Johnson, Sutton, Emma S. Spiro, Fitzhugh, and Butts. (June 2012) “Technology Lineage and Adoption: Diffusion of Microblog Technologies Among Government Organization.” Political Networks Conference, Boulder, Colorado.

Spiro, Emma S., Sutton, Fitzhugh, and Butts. (March 2012) “A Microstructure Topology for Hyperedge Communication Events.” 32nd Sunbelt Network Conference (INSNA), Redondo Beach, California.

Sutton, Emma S. Spiro, Johnson, Grezcek, Fitzhugh, and Butts. (March 2012) “Connected Communications: Network Structures of Official Communications in Disaster.” 32nd Sunbelt Network Conference (INSNA), Redondo Beach, California.

Johnson, Sutton, Emma S. Spiro, Fitzhugh, and Butts. (March 2012) “Disruptive Diffusion: Adoption of Microblog Technologies Among Urban Organizations.” 32nd Sunbelt Network Conference (INSNA), Redondo Beach, California.

Spiro, Emma S., Almqvist, and Butts. (August 2011) “Maintaining Ties from Coast to Coast: Selective Mixing Among U.S. Universities on Facebook.” American Sociological Association: Section on Methodology Paper Session, Las Vegas, Nevada.

Spiro, Emma S., Butts, Sutton, Grezcek, Fitzhugh, and Pierski. (July 2011). “Informal Online Communication in the Deepwater Horizon Disaster.” Poster presentation, 2011 Natural Hazards Research and Applications Workshop, Broomfield, Colorado.

Spiro, Emma S., Butts, Sutton, Grezcek, Pierski, and Fitzhugh. (June 2011) “Rumoring During Extreme Events: Deepwater Horizon 2010.” Poster presentation, Political Networks Conference, Ann Arbor, Michigan.

Spiro, Emma S., Acton, Sutton, Grezcek, Pierski, Fitzhugh, and Butts. (February 2011) “Rumoring in Informal Online Communication Networks.” 31st Sunbelt Network Conference (INSNA), St. Pete Beach, Florida.

Spiro, Emma S., Acton, and Butts. (August 2010) “Extended Structures of Mediation: Re-examining Brokerage in Dynamic Networks.” American Sociological Association: Section on Mathematical Sociology Paper Session, San Francisco, California.

Acton, Emma S. Spiro, and Butts. (July 2010) “Change and External Events in Online Networks.” 30th Sunbelt Network Conference (INSNA), Riva del Garda, Italy.

Spiro, Emma S., Acton, and Butts. (July 2010) “Extended Structures of Mediation: Re-examining Brokerage in Dynamic Networks.” 30th Sunbelt Network Conference (INSNA), Riva del Garda, Italy.

Spiro, Emma S., Acton, and Butts. (August 2009) “Brokerage Roles in the Immediate Wake of Hurricane Katrina.” ASA Roundtable: Networks and Organizations, San Francisco, California.

Spiro, Emma S., Acton, and Butts. (March 2009) “Patterns of Coordination: Brokerage Roles in the Immediate Wake of Hurricane Katrina.” 29th Sunbelt Network Conference (INSNA), San Diego, California.

EDITORIAL POSITIONS	Associate Editor, <i>Science Advances</i> <i>American Association for the Advancement of Science</i>	2019-present
	Editorial Board Member, <i>Sociological Methodology</i> <i>SAGE Journals</i>	2021-2023
PROFESSIONAL SERVICE	NSF Review Panel Participant <i>National Science Foundation, Washington D.C.</i>	2020
	NSF Workshop on Social Cyber-Security and Disinformation <i>Carnegie Mellon University, Washington D.C.</i> <i>Invited Participant</i>	2019
	Ad Hoc Reviewer for National Science Foundation	2018, 2020
	Current Challenges in Computing (CCubed) 2017 Conference on Computational Social Science <i>Invited Participant</i>	2017
	American Sociological Association Section for Mathematical Sociology <i>Outstanding Dissertation in Progress Award Committee</i>	2017
	Social Science Research Council (SSRC) Workshop on Problem Oriented Social Science <i>Invited Participant</i>	2016
	Digging into Data Challenge Trans-Atlantic Platform (T-AP) for the Social Sciences and the Humanities, National Endowment for the Humanities <i>External Reviewer</i>	2016
	Rethinking Data Science for the Social Sciences Speaker Series University of Washington <i>Co-organizer</i>	2015-2016
	Microsoft Research Social Computing Symposium <i>Invited Participant</i>	2014, 2015
	Response Risk Communication Tools Peer-Review Workshop Coastal Response Research Center, University of New Hampshire <i>Invited Reviewer</i>	2013
American Sociological Association Section for Mathematical Sociology <i>Student Council Member, Best Paper Award Committee</i>	2011-2012	
JOURNAL PEER REVIEW	<ul style="list-style-type: none"> • American Journal of Sociology • American Sociological Review • Computational and Mathematical Organization Theory (CMOT) • Computers in Human Behavior • EPJ Data Science • IEEE Internet Computing • Information, Communication and Society • International Journal of Communication 	

- Journal of Adolescent Research
- Journal of the Association for Information Science and Technology (JASIST)
- Journal of Computer Mediated Communication
- PLOS ONE
- Public Administration
- Natural Hazards Review
- New Media and Society
- The Sociological Quarterly
- Social Networks
- Sociological Methods & Research
- Transactions on Information Systems

CONFERENCE
ORGANIZATION &
REVIEW

Program Chair

- 8th International Conference on Social Informatics (SocInfo) 2016
Social Science Program Chair

Program Committee

- AAAI Conference on Web and Social Media (ICWSM) 2016-2020
- ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW) 2019
- ACM Collective Intelligence (CI) 2019
- Workshop on Social Web for Disaster Management (SWDM) 2016, 2018
- International Conference on Network Science (NetSci) 2017
- Workshop on Mining Actionable Insights from Social Networks (MAISoN) 2017
- Hawaiian International Conference on System Sciences (HICSS): 2017
“Government and Disaster Resilience” Electronic Government: Minitrack
- International Conference on Social Informatics (SocInfo) 2014, 2015, 2017
- International Conference on Computational Social Science (IC2S2) 2016, 2018, 2019, 2020
- Hawaiian International Conference on System Sciences (HICSS): 2016
“Resilience Against Crises and Disasters,” Electronic Government: Minitrack
- International Conference on Social Informatics (SocInfo): 2014
What’s in a Dyad? Interaction and Exchange in Social Media Workshop
- ACM SIGKDD Conference on Knowledge Discovery and Data Mining: 2014
Workshop on Learning about Emergencies from Social Information (KDD-LESI)

Reviewer

- ASIST Annual Meeting
- ACM CHI Conference on Human Factors in Computing Systems
- ACM Conference on Computer Supported-Cooperative Work and Social Computing (CSCW)
- European Symposium Series on Societal Challenges in Computational Social Science
- International Conference on Information Systems for Crisis Response and Management (ISCRAM): Social Media Track
- iConference
- Hawaiian International Conference on System Sciences (HICSS)
- The Web Conference (WWW)

UNIVERSITY OF
WASHINGTON
SERVICE

Chair, Tenure-track Faculty Search Committee 2019-2020
Information School, UW

Higher Education Leadership Panel: Strengthening Public Trust 2019
Alumni Association, UW

Research Committee, Information School, UW	2019-present
Graduate Council, University of Washington	2019
Judge, Capstone Research Award, Information School, UW	2019
MSIM Program Committee, Information School, UW	2017-2019
Google PhD Fellowship UW Nomination Committee	2018
Co-Chair, Tenure-track Faculty Search Committee: Data Ethics Information School, UW	2016-2017
PhD Admissions Committee, Information School, UW	2015-2017
Informatics Program Committee, Information School, UW	2014-2015
MSIM Working Group: Data Science and Analytics Information School, UW	2013-2015
Informatics Admissions Committee Information School, UW	2013-2014
MLIS Admissions Committee Information School, UW	2013-2014

TEACHING

IMT 573 Data Science I - Theoretical Foundations
Autumn 2014-2016, Winter 2017, Autumn 2019

The course provides an introduction to the foundational concepts and methods of data science, focusing on several critical skills, including data capture and transformation, probability and statistics, and data exploration and analysis. I am jointly responsible for the development of this course; I developed all current materials—slides, problem sets, and labs.

IMT 576 Social Network Analysis
Spring 2015, Winter 2017, Spring 2018-2019, Winter 2020

This course offers students practical, hands-on instruction in common methods and analytical tools used for social network analysis. Students practice applying and interpreting network analysis methods to answer important questions within the social network domain. I am solely responsible for the development of this course, including slides, problem sets, labs, and exams.

IMT 598 Special Topics - Problematic Information
Spring 2020

Addressing the problem of misinformation is among the most pressing challenges of our time – and times to come. This graduate seminar will introduce students to the lexicon of problematic information, tracing the historical roots and context of this phenomena and exploring the new realm of online information operations employed in today's socio-technical infrastructure. I am solely responsible for the development of this course.

IMT 578 / LIS 578 CIP Directed Research Group
Spring 2020

Co-taught with Jevin West and Chris Coward, as part of the educational and research efforts of the Center for an Informed Public. Developed a research seminar where students worked on research projects. Topics included misinformation around COVID-19; synthetic media and the 2020 elections; designing a misinformation escape room; weaponized political narratives around the 2018 false missile alert and correction in Hawaii; and designing and populating a CIP data library.

OTHER TEACHING

- INFO 300 Research Methods in Informatics
- INFO 495 Informatics Internship
- INFO 499 Independent Study
- SOC 495 Honors Senior Thesis in Sociology
- IMT 570 Analytic Methods for Information
- IMT 578 Research Seminar
- IMT 600 Independent Study
- INFX 598 Advanced Methods in Data Science
- INSC 565 Teaching Practicum
- INSC 576 Research Practicum
- INSC 599 Independent Study
- INSC 600 Independent Study
- INSC 800 Doctoral Dissertation
- HCDE 596 Directed Research Group *co-taught with Dr. Kate Starbird (UW, HCDE)*
- SOC 600 Independent Study
- SOC 800 Doctoral Dissertation

GUEST LECTURES

- INSC 570: Quantitative Research Methods
“Social Network Analysis” February 2019
- INFO 300: Research Methods in Informatics
“Data Science” November 2018
- INFO 200: Int. Found. of Informatics
“Data Science and Big Social Data” May 2016
- INFO 200: Int. Found. of Informatics
“Data Science and Big Social Data” February 2016
- INFX 598: Data Visualization
“Social Media and Crisis Events” May 2015
- INFO 200: Int. Foundations of Informatics
“Data Science and Big Social Data” March 2015
- UW PCE: Data Analysis
“Introduction to Social Network Analysis” November 2014
- INF0 470: Research Design
“Computational Social Science” October 2014
- INFO 200: Intellectual Foundations of Informatics
“Big Data and Data Science” May 2014
- UW Student Preview Days
“Why Your Friends Have More Friends Than You Do” April 2014
- INFO 200: Intellectual Foundations of Informatics
“Big Data and Data Science” March 2014
- INFX 598: Introduction to Data Science
“Introduction to Social Networks” November 2013
- UW iSchool Preview Day
“Introduction to Social Networks” November 2013
- INF0 470: Research Design
“Big Data in the Social Sciences” October 2013

POSTDOCTORAL MENTORING

- P.M. Krafft, PhD 2018-2019
Moore/Sloan & WRF Innovation in Data Science Postdoctoral Fellow
(*Next position: Senior Research Fellow at Oxford Internet Institute*)
- K. Koltai, PhD 2020 - present
Center for an Informed Public Postdoctoral Fellow
- R. Moran, PhD 2020 - present
Center for an Informed Public Postdoctoral Fellow

DOCTORAL
STUDENT
SUPERVISION

Chair/Co-Chair

- Leo Stewart, Information School, University of Washington 2020-present
- Li Zeng, Information School, University of Washington 2016-present
- Nina Cesare, Department of Sociology, University of Washington 2014-2017
(*First position: Digital Data Researcher, Institute for Health Metrics and Evaluation at the University of Washington*)
- Shawn Walker, Information School, University of Washington 2016-2017
(*First position: tenure-track Assistant Professor at Arizona State University*)

Supervisory and/or Reading Committee

- Tom Wilson, HCDE, University of Washington 2019-present
- Jason Portenoy, Information School, University of Washington 2017-present
- Lavi Aulck, Information School, University of Washington 2016-2019
(*First Position: Data Scientist, University of Washington*)
- Stephanie Lee, Department of Sociology, University of Washington 2014-present
- Joshua Williams, Jackson School, University of Washington 2015-2017
(*First position: Social Science Analyst for the Assistant Secretary for Planning and Evaluation, U.S. Department of Health and Human Service*)
- Jeff Hemsley, Information School, University of Washington 2014
(*First position: tenure-track Assistant Professor at Syracuse University*)

Graduate School Representative

- Tal August, Computer Science and Engineering, UW 2021-present
- Lucy Lin, Computer Science and Engineering, UW 2020-present
- Katherine Idziorek, Urban Design and Planning, UW 2018-present
- Nate TeBlunthuis, Department of Communication, UW 2017-present
- Yunkang Yang, Department of Communication, UW 2016-2020
- Lanu Kim, Department of Sociology, University of Washington 2018
(*First position: Postdoctoral Scholar, Stanford University*)
- Paul L. Vines, CSE, University of Washington 2016-2017
(*First position: Principal Cybersecurity Research Engineer at BAE Systems*)
- Leila R. Zelnick, Department of Biostatistics, UW 2015
(*First position: Research Assistant Professor at University of Washington*)

General Exam Committee

- Tom Wilson, HCDE, University of Washington Spring 2019
- Katherine Idziorek, Urban Design and Planning, UW Spring 2019
- Nate TeBlunthuis, Communication, University of Washington Spring 2018
- Lovenoor Aulck, Information School, University of Washington Autumn 2017
- Jason Portenoy, Information School, University of Washington Spring 2017
- Li Zeng, Information School, University of Washington Winter 2017
- Nina Cesare, Sociology, University of Washington Autumn 2015
- Philip Reed, Information School, University of Washington Autumn 2014

iSchool Advisory Committee

- Yim Register, Information School 2020-present
- Leo Stewart, Information School 2018-present
- Emily Porter, Information School 2018-present
- Lavi Aulck, Information School 2015-2017
- Jason Portenoy, Information School 2015-2017
- Li Zeng, Information School 2015-2017
- Guanghua Chi, Information School 2015-2016

- Niall Keleher, Information School 2015-2016
- Philip Reed, Information School 2014-2015
- Muhammad Raza Rehman, Information School 2014-2015

OTHER
MENTORING &
ADVISING

- Center for an Informed Public Undergraduates Researchers; Co-mentoring 3 students with Dr. Kate Starbird (UW HCDE) and Dr. Jevin West (UW iSchool). Summer 2020.
- Kaitlyn Zhou, Independent Research, Computer Science & Engineering, University of Washington. Autumn 2018 - Spring 2019.
(Joint with Kate Starbird, UW HCDE)
- Noelle Merclich, GenOM Big Data ALVA Summer Research Student, University of Washington. Summer 2016.
(Joint with Kate Starbird, UW HCDE)
- Victor M. Morales, Department of Sociology, University of Washington. Undergraduate Honors Thesis Co-mentor, Winter and Spring 2016.
- NSF Research Experiences for Undergraduates: Tracking the Online Spread of Misinformation after Disaster Events; Co-mentoring 6 students with Dr. Kate Starbird (UW, HCDE) and Dr. Robert Mason (UW, iSchool). Summer 2015, Summer 2016.
- Zoë Bill, Department of Sociology, University of Washington. Undergraduate Honors Thesis Co-mentor, Winter and Spring 2015. *Mary Gates Research Scholarship Recipient, Spring 2015*
(Joint with Emilio Zagheni, UW Department of Sociology)
- Katherine Zhu, “Exploring Young Adults’ Drinking Behavior via Digital Traces on Social Media.” Undergraduate Research Symposium, University of Washington.
- Logan Walls, “Did You Hear about the Computer that Can Detect Rumors?: An Algorithmic Approach to Rumor Detection.” Undergraduate Research Symposium, University of Washington.
- Harrison T. Reeder, Department of Mathematics and Statistics, Carleton College. Carleton College Kolenkow-Reitz Fund for Undergraduate Research Recipient, Summer 2014.
(Joint with Tyler McCormick, UW Department of Sociology and Statistics)

PROFESSIONAL
MEMBERSHIPS

- ACM SIGCHI
- American Sociological Association (ASA)
- American Statistical Association (ASA)
- Association for the Advancement of Artificial Intelligence (AAAI)
- International Communication Association (ICA)
- International Network for Social Network Analysis (INSNA)
- Population Association of America (PAA)