

Allison Morgan

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SUMMARY

Computational social scientist seeking opportunities in data science to use machine learning, social network analysis, and causal inference to measure fairness and support actionable policies.

SKILLS: Data analysis, scientific communication, data visualization (D3, matplotlib), data engineering (SQL, GCP, web APIs), programming (Python, Go, R)

EDUCATION

University of Colorado at Boulder

Boulder, CO

Doctor of Philosophy in Computer Science (Expected 2021)

August 2016 – Present

- **Advisor:** Aaron Clauset
- **Coursework:** Network Analysis & Modeling, Machine Learning, Information Visualization, Natural Language Processing, Algorithms, Probabilistic Models, Software Engineering, Statistical Methods & Modeling, Causal Inference

Reed College

Portland, OR

Bachelor of Arts in Physics; Academic Commendations 2012–2014

August 2010 – May 2014

EMPLOYMENT

University of Colorado at Boulder

Boulder, CO

Graduate Research Assistant, Computer Science Department

August 2016 - Present

New York Times

New York, NY

Data Science Intern

Summer 2019

AWARDS

National Science Foundation Graduate Research Fellowship, June 2018 – Present

Travel Funding: CU Boulder Computer Science Department Travel Grant (Oct 2019), NetSci Conference Registration Waiver (June 2019), SYNS Conference Travel Funding (June 2019), IC2S2 Travel Scholarship (July 2018), CU Boulder Graduate School Travel Grant (July 2018)

PUBLICATIONS

A. C. Morgan, N. LaBerge, D. B. Larremore, M. Galesic, and A. Clauset, “Socioeconomic Roots of Academic Faculty” *In preparation*

A. C. Morgan, S. F. Way, M. J. D. Hofer, D. B. Larremore, M. Galesic, and A. Clauset, “The Unequal Impact of Parenthood in Academia” *Science Advances*, **7** (9) eabd1996, (2021)

M. J. Salganik, et al. [including **A. C. Morgan**] “Measuring the Predictability of Life Outcomes with a Scientific Mass Collaboration” *Proceedings of the National Academy of Sciences*, **117**(15), (2020)

S. F. Way, **A. C. Morgan**, D. B. Larremore, and A. Clauset, “Productivity, Prominence, and the Effects of Academic Environment” *Proceedings of the National Academy of Sciences*, **116**(22), (2019) [[Press](#)]

A. Filippova, C. Gilroy, R. Kashyap, A. Kirchner, **A. C. Morgan**, K. Polimis, and T. Wang, “Humans in the Loop: Incorporating Expert and Crowdsourced Knowledge for Predictions using Survey Data” *Socius*, **5**, (2019)

A. C. Morgan, D. Economou, S. F. Way, and A. Clauset, “Prestige drives epistemic inequality in the diffusion of scientific ideas” *EPJ Data Science*, **7**(40), (2018) [[Press](#), [Press](#)]

A. C. Morgan, S. F. Way, and A. Clauset, “Automatically assembling a full census of an academic field” *PLOS One*, **13**(8), (2018)

S. F. Way, **A. C. Morgan**, A. Clauset, and D. B. Larremore, “The misleading narrative of the canonical faculty productivity trajectory” *Proceedings of the National Academy of Sciences*, **114**(44), (2017) [[Press](#)]

POPULAR PRESS

D. B. Larremore, **A. C. Morgan**, and A. Clauset, “More Inclusive Scholarship Begins With Active Experimentation” *The Chronicle of Higher Education* (2017), [[Link](#)]

A. C. Morgan, S. F. Way, M. Galesic, D. B. Larremore, and A. Clauset. “Paid Parental Leave Policies at US and Canadian Universities” (2018) [[Link](#), [Press](#)]

OTHER PROFESSIONAL ACTIVITIES

Complex Systems Summer School at Santa Fe Institute, June–July 2018 Selected participant.

Summer Institute in Computational Social Science (partner location: University of Colorado, Boulder), August 2018 Organizer. Funded by the Russell Sage Foundation, Sloan Foundation, & CU Boulder.

Summer Institute in Computational Social Science at Princeton University, June–July 2017 Selected participant. Funded by the Russell Sage Foundation.

Reviewing: PNAS 2020, eLife 2020, EPJ Data Science 2020, Socius 2017–2020, Science Advances 2019, Rocky Mountain Celebration of Women in Computing 2018, The Web Conference 2018, International AAAI Conference on Web and Social Media 2017

PRESENTATIONS

Women in Network Science (WiNS), January 2021 Invited Talk. “The Unequal Impact of Parenthood in Academia”

International Conference on Computational Social Science (IC2S2), July 2020 “The Unequal Impact of Parenthood in Academia”

Graphs and Networks Workshop by Metric Geometry and Gerrymandering Group at Tufts, July 2020 Invited Lightning Talk. “Faculty hiring and the spread of scientific ideas”

Atlanta Conference on Science and Innovation Policy (ATL Conf), October 2019 “Gender and the Impact of Parenthood on Faculty Productivity,” & “Productivity, prominence, and the effects of academic environment”

Better Epistemic Networks Workshop at Monash University & Australian Catholic University, August 2019 Invited Talk. “Faculty hiring and the spread of scientific ideas”

International Conference on Network Science (NetSci), June 2019 “Quantifying gender disparity in faculty flows across a hiring and promotion network”

Society of Young Network Scientists (SYNS), June 2019 Invited Talk. “Prestige and epistemic inequality: How does network position influence the spread of research topics?”

Rocky Mountain Celebration of Women in Computing, November 2018 “Exploratory Data Analysis from Survey of CS Faculty.” Honorable Mention for Best Talk

International Conference on Computational Social Science (IC2S2), July 2018 “Ideas worth spreading: How does network position influence the spread of research topics?” & “Automatically assembling a census of an academic field”

Santa Fe Institute’s Complex Systems Summer School (CSSS), June 2018 “Collecting Digital Trace Data: Web Scraping / APIs Tutorial”

Research Workshop on Demographic Research in the Digital Age (PAA), April 2018 “Automatically assembling a census of an academic field”

International Conference on Network Science (NetSci), June 2017 “Ideas worth spreading: How does network position influence the spread of research topics?”