Allison Morgan

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SUMMARY

Computational social scientist seeking opportunities to use machine learning, causal inference, and social network analysis to study people and their organizations, measure equity, and generate actionable policies.

<u>SKILLS</u>: Statistics, machine learning, social network analysis, scientific communication, data visualization (D3, matplotlib, DataStudio), data engineering (SQL, GCP, Airflow), programming (Python, Go, R)

EMPLOYMENT

Twitter   Denver, CO
Data Scientist II   *July 2021 - Present*

University of Colorado at Boulder   Boulder, CO
NSF Graduate Research Fellow, Computer Science Department   *August 2016 - May 2021*

New York Times   New York, NY
Data Science Intern   *Summer 2019*

EDUCATION

University of Colorado at Boulder   Boulder, CO
Doctor of Philosophy in Computer Science   *August 2016 – May 2021*

- **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*

AWARDS

International Society for Scientometrics and Informetrics (ISSI), Paper of the Year, July 2021

National Science Foundation Graduate Research Fellowship, June 2018 – Present

CU Boulder, Computer Science Department, Outstanding Research Award, April 2021

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" *Revised & Resubmitted*

N. LaBerge, K. H. Wapman, **A. C. Morgan**, S. Zhang, D. B. Larremore, A. Clauset, "Subfield prestige and gender inequality in computing." *Accepted ACM Communications*

A. C. Morgan, S. F. Way, M. J. D. Hoefer, 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

International Conference on Computational Science April 2022   Program committee.

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, INFORMS 2022, ICWSM 2022

PRESENTATIONS

A New Synthesis for the Science of Science, Workshop at Santa Fe Institute, May 2022   Invited Talk. "The Unequal Impact of Parenthood in Academia"'

Responsible Data Science and AI Speaker Series, School of Information Sciences at University of Illinois September 2021   Invited Talk. "Faculty hiring, social class, and epistemic inequality"

International Society for Scientometrics and Informetrics (ISSI), July 2022   Invited Talk. Paper of the Year. "The Unequal Impact of Parenthood in Academia"

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?"