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mccabe_s

Stefan D. McCabe

skills

Programming Python (NetworkX, pandas, PySpark, matplotlib), R (tidyverse, ggplot2), SQL
Data Management Continuous integration, Apache Airflow, Unix command-line tools, git
Quantitative Methods Regression, causal inference, natural language processing, network analysis
Collaboration/Communication Teaching, interdisciplinary communication, code review

experience

Lazer Lab, Northeastern University 09/2016–
Research Assistant
Work at all levels (theorizing, data engineering, analysis, writing) to study politics online.

Microsoft Research NYC 05/2020–09/2020
Research Intern
Worked with mentor to study agenda-setting among Twitter-using journalists.

education

Northeastern University 09/2016–08/2022 (expected)
Ph.D., Network Science
Dissertation (in progress): "Essays on the Measurement of Online Behavior"

George Mason University 2016
MA, Computational Social Science
Thesis: "Communicating Sequential Agents: An Analysis of Concurrent Agent Scheduling"

George Mason University 2013
BA, Government & International Politics

selected projects

Political Communication on Twitter
Analyzed billions of Tweets connected to voter data to study patterns of political communication.
Work published in *Public Opinion Quarterly*, *Journal of Quantitative Description: Digital Media*.

Big Data Analysis of Compliance With Social Distancing
Processed trillions of mobile-phone location events to study mobility changes during COVID-19.
Dashboard and reports available online.

Network Comparison
Developed software, `netrd`, to enable comparative analysis of graph distance measures.
Work published in *Proceedings of the Royal Society A*, *Journal of Open Source Software*.

teaching

Complex Networks and Applications
Graduate course, Fall 2020. Survey course on network science.

Programming with Data: Social Science Practicum
Undergraduate course, Fall 2019. Hands-on instruction using Python and social-science examples.