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Stefan D. McCabe

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

experience

Institute for Data, Democracy & Politics, The George Washington University   12/2022–
Postdoctoral Associate (40 hours/week)

- Constructed and maintained data pipelines for studying social media.
- Applied machine-learning techniques to study public opinion and political communication.

Lazer Lab, Northeastern University   09/2016–05/2020, 09/2020–11/2022
Research Assistant (20 hours/week)

- Analyzed billions of Tweets connected to voter data to study political communication.
- Developed software to enable comparative analysis of graph distance measures.
- Processed terabytes of mobile-phone location events to study mobility during COVID-19.
- Presented research in various forms: reports to government officials, peer-reviewed journal articles, and conference presentations.
- Selected articles published in *Public Opinion Quarterly*, *Proceedings of the National Academy of Sciences*, *Proceedings of the Royal Society A*, or available on the arXiv.

Microsoft Research NYC   05/2020–09/2020
Research Intern (40 hours/week)

- Worked with mentor to study agenda-setting among Twitter-using journalists.

education

Northeastern University   2022
PhD, Network Science

George Mason University   2016
MA, Computational Social Science

George Mason University   2013
BA, Government & International Politics

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.