Mollie Taylor

Data Scientist

Web

mollie.taylor@gmail.com

Portfolio

Blog

Twitter: @mollie_taylor

GitHub: mollietaylor

Education

Graduate Studies International Affairs, Science, and Technology
2009-2014
Minor in Global Environmental Science
Georgia Institute of Technology

M.S. International Affairs, 2008
Georgia Institute of Technology

B.S. Economics, 2005
Georgia Institute of Technology

Skills

Data Visualization

- Produced interactive graphics using Shiny and D3.js and interactive maps using Leaflet.
- Created basic data visualizations in R, Stata, SPSS, and Excel.
- Produced social network analysis visualizations using Gephi, Guess, and UCINET.
- Written tutorials about data visualization.

Data Analysis

- Performed social network analysis using R, UCINET, and Pajek.
- Analyzed linear regression models, limited dependent variable models, and time series models using R, Stata, and SPSS.
- Analyzed 1.5GB .csv patent data file with nine million observations.
- Blogged about data analysis.
- Used regular expressions to clean data and to identify observations to analyze.

Recent Experience

2014

Graduate Research Assistant, Sam Nunn School of International Affairs and Georgia Tech Research Institute

- Worked as part of a team creating a multi-level model of the geopolitics of natural gas.
- Built mental maps in FreeMind.
- Synthesized opinions of industry and academic experts to narrow, parameterize, and refine the model.
- Learned how to build complex systems models and systemigrams.

2009-2013

Graduate Research Assistant, Sam Nunn School of International Affairs
Senior Researcher, Enterprise Innovation Institute

- Traveled to North Carolina and performed interviews of individuals involved in technology industry.
- Collected and analyzed social network data.
- Managed five undergraduate researchers.
- Wrote academic and policy papers.
- Taught INTA 2010—Empirical Methods—with 27 students.
- Presented papers at conferences in Atlanta, Chicago, and Copenhagen.