

Mollie Taylor

Data Scientist



Web

mollie.taylor@gmail.com

mollietaylor.com

[@mollie_taylor](#)

[GitHub: mollietaylor](#)

Strengths

Industry studies

Economic development

Data visualization

Social network analysis

Research

Economic and social analysis

Skills

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.

Data Visualization

- Created basic data visualizations in R, Stata, SPSS, and Excel.
- Performed social network analysis visualizations using Gephi, Guess, and UCINET.
- Written [tutorials about data visualization.](#)
- Learning to produce interactive graphics using [Shiny](#) and D3.js.

Typesetting

- Wrote Masters and PhD theses using LaTeX.
- Created papers, slides, and a poster using LaTeX.
- Used ShareLaTeX collaborative tool.
- Used collaborative tools in Microsoft Word.
- Used EndNote and JabRef to manage citations.
- Created and modified websites using HTML and CSS.

Experience

- 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.
 - Presented papers at conferences in Atlanta, Chicago, and Copenhagen
- 2008-2009 **Project Coordinator** — Enterprise Innovation Institute
- Continued research concerning Atlanta's technology industry.
 - Used social network techniques as well as general statistical methods to analyze data.
 - Prepared a manuscript for publication in a journal.
 - Presented project and preliminary results.

Education

- 2009-2014 **Ph.D. candidate, International Affairs, Science, and Technology**
Minor in Global Environmental Science
Georgia Institute of Technology
- 2006-2008 **M.S., International Affairs**
Georgia Institute of Technology
- 2002-2005 **B.S., Economics**
High Honors
Certificate in European Affairs; Certificate in International Affairs
Georgia Institute of Technology