

Nathan Huey Lovin

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Education

- Ph.D. in Political Science (Focus: Statistical Methods), University of Maryland — Expected Spring 2020
- M.A. in Political Science (Focus: Statistical Methods), University of Maryland — May 2016
- B.A. in History and International Relations, Virginia Tech — May 2011

Professional Experience

Georgetown University — Co-Instructor

Jan. 2019 to present

- Designed and co-taught a course on data science tailored to public policy students, using R and Python to explore topics such as data wrangling, version control, reproducible examples, machine learning, and text analysis
- Guided students in collecting real-world datasets, designing models, and conducting analyses to determine and articulate policy proposals
- Oversaw the development of machine learning models to evaluate and propose solutions for topics such as improving the efficiency of the New York City public transit system

University of Maryland — Institutional Researcher/Research Assistant

Jan. 2016 to Jun. 2019

- Collected and analyzed publication and citation data on major political science departments to evaluate the university's relative academic performance
- Built a multi-decade dataset and evaluated the university's Ph.D. retention rate as well as the success rate of individual faculty members
- Collaborated with faculty on the collection and analysis of datasets to support research, data visualization, academic writing, and statistical modeling using R, STATA, and ArcGIS
- Managed the data collection process — including overseeing an undergraduate researcher — for a precinct-level primary election project, gathering data from 14 states and creating data visualizations to articulate findings

University of Maryland — Teaching Assistant

Aug. 2014 to May 2019

- Designed course materials, planned lessons, provided constructive feedback to students, and led sections in a range of courses, such as *American Government and Politics*, *Introduction to GIS for Social Science Research*, and *Advanced Statistical Methods for Social Science*
- Developed a remote lab process to increase access and efficiency for students and faculty using ArcGIS
- Created dummy and real datasets to demonstrate complex models and mapping processes in R, STATA, and ArcGIS

The Language House — Graduate/Teaching Assistant

Aug. 2011 to Aug. 2014

- Oversaw and led train-the-trainer sessions for new teachers
- Designed syllabi and facilitated customized courses for both youth and adult students
- Prepared students for English proficiency tests, the SAT, international conferences, and job interviews

Technical Skills

- **Data Science:** R, Python, Git, SQL, ArcGIS, STATA, SPSS, Tableau
- **Communications and Design:** HTML, CSS, Microsoft Office Suite, Adobe Audition, Adobe Premiere