Emily VanMeter

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# Summary

* PhD candidate passionate about finding ways for quantitative and qualitative evidence to improve efficiency and promote innovation. Enthusiastic about communicating findings effectively. Willing to relocate as soon as June 2020.
* 7+ years academic experience in data collection, management, and analysis.

# Skills

* **Programming:**  R, RStudio, Python, SQL, noSQL, Wolfram (Mathematica), Jupyter Notebooks
* **Econometrics:** OLS, Maximum Likelihood, Event/Count/Hazard Models, Network Analysis, Strategic Models, A/B Testing
* **Machine Learning:** Random Forest, Bayesian Networks, K-Nearest Neighbors, Decision Trees, Cluster Analyses, Natural Language Processing
* **Software:** ArcGIS, qGIS, Stata, Microsoft Office (Excel, Word, Powerpoint, Outlook), LaTeX, Beamer, SurveyMonkey, Qualtrics, Blue Hive Cluster Computing

# Work Experience

## Research Fellow 2015-Present

## University of Rochester

* Graduate-level coursework in research design, linear models, Maximum Likelihood Estimation (MLE), network analysis, machine learning, text as data, survey data, and A/B testing (cross-listed courses for Simon School of Business).
* Applying econometrics to real-world problems to evaluate and guide decision-making: (1) allocation/misallocation of resources, market competition and expanding markets, barriers to market entry, inherited/legacy companies; (2) public goods provision and free-rider problems within government-funded hospitals, universities, public schools, roadways, transportation, policing, national security); (3) foreign direct investment, corporate loans to government, and government-granted monopolies; and (4) social media, revealed preferences, and voting systems.
* Created, cleaned, and analyzed (A/B tests, MLE, and OLS) 500,000+ observation historical (500 year span) data set on economic and immigration policies across 1,000 municipalities in the United Kingdom and France for dissertation thesis research on how market inequalities were impacted by business lobbying leading to xenophobic and nationalistic political campaigns.
* Compared findings of development and growth to those of other economic development indicators (Malthusian population limits, municipal-level industry transitions, technological innovation).
* Collaborated with Prof. Curtis Signorino on machine learning applications and testing strategic models to apply game theoretic principles to empirical data.
* Strong leadership skills, experience managing graduate and undergraduate research assistants, resulting in 8 in-progress/under review papers.
* Multitasking, prioritization, and organizational skills demonstrated by balancing tasks for additional 7+ professors’ projects. Experience collaborating from afar over cloud technology.

## Teaching Assistant & Instructor 2017-19

## University of Rochester

* Predicted needs of the instructor of record to ensure that classes operated smoothly.
* Public speaking skills demonstrated by recitation sections as often as thrice weekly; student-facing 12 hours a week during Summer 2019.
* Communicated complex ideas ranging from supply-demand curves to regulation-making and bargaining models (international relations, international political economy, American politics) and created flipped classroom lesson plans.

# Education

## PhD, Political Science | University of Rochester 2015-2021

Rochester, NY

## MA, Political Science | University of Rochester 2015-18

Rochester, NY

## BA, Political Science | University of Kentucky

## BA, French | University of Kentucky 2011-15

Lexington, KY | Summa Cum Laude

# Selected Papers

* Dissertation. Founding Cities, Finding Identity: The Legacy of Migration and Other Protectionist Policies on Nation-State Projects.
* “Elite Capture and State Formation: Municipal Economic Policy in France and the British Isles, 1200-1776.”
* “Empty Promises: Text Analysis of National Legislation Submitted to the UNHCR, 1959-2018.” Co-authored with Anna Oltman.
* “Constitutional Constraints on Extraconstitutional Matters: A Structural Model of Coup-Proofing.” Co-authored with Xiaoyan Qiu.