

# Emily VanMeter

Website: [emilyvanmeter.com](http://emilyvanmeter.com) • LinkedIn: [eavanmeter](https://www.linkedin.com/in/eavanmeter)  
 Email: [emilyavanmeter@gmail.com](mailto:emilyavanmeter@gmail.com) • Phone: 270.703.9487

## SKILLS

### PROGRAMMING

R, RStudio  
 Python  
 SQL, noSQL  
 Wolfram (Mathematica)  
 Jupyter Notebooks

### ECONOMETRICS & GAME THEORY

OLS  
 Maximum Likelihood Estimation  
 Event, Count, Hazard Models  
 Network Analysis  
 Games of Complete and Incomplete  
 Information  
 Strategic Models  
 A/B Testing

### MACHINE LEARNING

Bayesian Networks  
 K-Nearest Neighbors  
 Decision Trees  
 Cluster Analyses  
 Natural Language Processing

### SOFTWARE

ArcGIS, QGIS  
 STATA  
 Microsoft Office (Excel, Word,  
 Powerpoint, Outlook)  
 L<sup>A</sup>T<sub>E</sub>X, Beamer  
 SurveyMonkey, Qualtrics  
 BlueHive Cluster Computing

## EDUCATION

### PHD, POLITICAL SCIENCE

University of Rochester  
 Expected May 2021 | Rochester, NY

### MA, POLITICAL SCIENCE

University of Rochester  
 December 2018 | Rochester, NY

### BA, POLITICAL SCIENCE

### BA, FRENCH

University of Kentucky  
 May 2015 | Lexington, KY  
 Summa Cum Laude

## OVERVIEW

- 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.

## EXPERIENCE

### UNIVERSITY OF ROCHESTER | RESEARCH FELLOW

Jun 2015 – Present | Rochester, NY

- 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, and 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.

### UNIVERSITY OF ROCHESTER | TEACHING ASSISTANT & INSTRUCTOR Aug

2017 – Aug 2019 | Rochester, NY

- Predicted needs of 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.

## LANGUAGES

English: native  
French: conversational;  
fluent reading and writing

## DATA CAMP CERTIFICATIONS

Introduction to Python  
Intermediate Python  
Web Scraping in Python  
Introduction to SQL

## SERVICE

### University of Rochester

2018-19.  
Student Advisory Panel, UR Libraries  
2017-18.  
Graduate Assistant,  
UR Internships in Europe  
2016.  
US Social Sciences Student Council,  
LexisNexis Academic

### University of Kentucky

2011-15.  
Contributor, *The World Report*  
2013-14.  
Researcher  
Editor-in-Chief | *The World Report*  
2012-13.  
Peer Mentor, Arts & Sciences  
Orientation Leader

## COMMUNITY INVOLVEMENT

### Rochester, NY

2018-19.  
Dog Foster, Woof2Hoof Rescue

### Lexington, KY

2012.  
Study for a Cause Planning Committee  
2011-15.  
Community Liaison, Serve the City

## GRANTS, FELLOWSHIPS & AWARDS

- 2019-20. Adam Smith Fellowship (Applied Track), Mercatus Center, George Mason University
- 2018-19. Adam Smith Fellowship (Research Track), Mercatus Center, George Mason University
- 2018. Watson Seminar Research Grant, Department of Political Science, University of Rochester
- 2018. Prestage-Cook Travel Award, Southern Political Science Association
- 2017-18. Adam Smith Fellowship, Mercatus Center (in partnership with King's College London, Department of Political Economy), George Mason University
- 2017. Watson Seminar Research Grant, Department of Political Science, University of Rochester
- 2016. Watson Seminar Research Grant, Department of Political Science, University of Rochester
- 2015. Vandenbosch Outstanding Senior Award, Runner-Up, Department of Political Science, University of Kentucky
- 2015. Best Undergraduate Research Paper, First Place, Department of Political Science, University of Kentucky
- 2015. Oswald Award for Research and Creativity, First Place- Social Sciences, Office of Undergraduate Research, University of Kentucky
- 2014. Best Undergraduate Research Paper, Runner-Up, Department of Political Science, University of Kentucky
- 2014. Jewish Studies Research Grant, Department of Hebrew and Judaic Studies, University of Kentucky
- 2014. Research and Creativity Fellowship, Office of Undergraduate Research, University of Kentucky
- 2014. NSF-REU (National Science Foundation- Research Experience for Undergraduates) Fellowship, Department of Political Science, University of North Texas

## RESEARCH PROJECTS

- *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.
- "When Near Rome: Geographic Proximity and Public Goods Provision as Indicators of Military Mutinies." With Alpha Parrott.
- "Shared Territory, Regime Alignment, and Forced Migration." With Bethany Lacina and Karen Albert.
- "Are American Immigrant Processing Institutions Surviving or Thriving? Large-Scale Immigration as a Shock to Institutional Robustness." In *The Political Economy and Social Philosophy of Vincent and Elinor Ostrom*. Edited by Peter Boettke, Bobbi Herzberg, and Brian Kogelmann.
- "Even Generals Need Friends: How Domestic and International Reactions to Coups Influence Regime Survival." *Journal of Conflict Resolution*. With Clayton Thyne, Jonathan Powell, and Sarah Hayden.
- "Draining the Swamp? Partisan Bias in the Prosecution of Former Latin American Leaders." With Gretchen Helmke, Yeonkyung Jeong, Ezgi Siir Kibris, Jae Eun Kim, and Adriana Tobar.
- "Are All Human Rights Equal? Proxy Wars as Deterrents for International Treaty Compliance." With Rachel Schoner.