

# Ella Foster-Molina

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## EDUCATION

**University of Rochester**, Rochester, NY  
Ph.D. Political Science, expected May 2016  
M.A. Political Science, 2014  
Fields: American Politics, Comparative Politics, Quantitative Methods

**Swarthmore College**, Swarthmore, PA  
B.A. Political Science; B.A. Mathematics, 2007  
Graduated with Honors

## PROFESSIONAL POSITIONS

**Georgetown University**, Washington, DC  
Visiting Professor of Government, Fall 2015- Spring 2016

**University of Rochester**, Rochester, NY  
Instructor, Summer 2015

**SUNY Oswego**, Oswego, NY  
Adjunct Professor, Spring 2015

## WORKING PAPERS

“Money Matters: Tradeoffs Between Constituent Service and Legislation”

“Race Matters: Legislative Tradeoffs in Districts without Racially Descriptive Representation”

“Education Matters: Four Decades of Legislative History, Party, Education, and Income”

“Job Appeal: How District Economics Dictate the Job History and Legislative Success of Elected Politicians”

## RESEARCH AND TEACHING INTERESTS

### American Politics

Introduction to American Politics, Race and Ethnic Politics  
 Institutions: Congress, the Presidency, Courts  
 Representation, Political Inequality, Civil Liberties

### Quantitative

Statistical Methods, Survey Design, Research Design, Game Theory

### International Relations

Introduction to International Relations  
 Human Rights

## RESEARCH, PROGRAMMING, AND DATA ANALYSIS

**Research Assistant**, Lyndon Estes, Princeton University, Fall 2014

- Extracted data from climate sensing pods across the country using Python and R.
- Collaborated to streamline the database.

**Research Assistant**, Richard Niemi, University of Rochester, 2014

- Data analysis using South Asia Barometer. Examined the impact of education and generational cohort (based on the government regime the respondent grew up under) on sympathy for democracy.
- Assist with determining the beginning and ends of each regime type (ex: liberal democracy, military dictatorship) for five countries.

**Research Assistant**, Lynda Powell, University of Rochester, 2012

- Analyze preferences over representational styles of United States residents.

**Consultant**, 2 de Mayo Entertainment Consulting, Princeton, NJ , 2011

- Create programs in Python to parse documents containing information on media availability.
- Analyze efficiency of data documentation and transmission.

**Consultant**, SureTech, Princeton, NJ , 2011

- Build portions of database management software.
- Review website development using PHP.

**Research Assistant**, Jim Johnson, University of Rochester, 2008

- Document the influence of Elinor Ostrom on the impact of collective action and the allocation of scarce resources.

**Research Assistant**, Larry Rothenberg, University of Rochester, 2008

- Investigate the evolution of gerrymandering in the United States.
- Research the legal history of court cases regarding gerrymandering.
- Analyze the impact of districting decisions on vote choice California between 1980 and 1990.

**Statistical Analyst**, Analysis and Inference, Swarthmore, PA, 2006

- Analyze data related to court cases to determine baseline frequencies of relevant events.
- Write tutorials to introduce novice programmers to R.

**Grant Writer**, National Hispanic University, San Jose, CA 2004

- Help create a robotics program for immigrant and first generation elementary school students focused on hands on learning.
- Write grant applications to fund program.
- Program successfully funded in September 2004.

## GRANTS AND AWARDS

**Travel Award for Text as Data Conference**, Northwestern University, 2014  
**Summer Research Assistant Fellowship**, University of Rochester, 2014  
**Charles E. Lanni Summer Research Fellowship**, University of Rochester, 2008, 2014  
**Excellence in Teaching by a Graduate Student**, University of Rochester, 2013-2014  
**PEPR Research Assistant Grant**, University of Rochester, 2012  
**Provost's Fellowship**, University of Rochester, 2007-2009, 2012-2013

## TEACHING EXPERIENCE

**Professor**, Analysis of Political Data I  
 Georgetown, Spring 2016  
**Professor**, Analysis of Political Data II  
 Georgetown, Spring 2016  
**Professor**, Introduction to Applied Game Theory  
 Georgetown, Fall 2015  
**Professor**, Race and Ethnicity in US Politics  
 Georgetown, Fall 2015  
**Professor**, Introduction to American Government  
 University of Rochester, Summer 2015  
**Professor**, Civil Liberties  
 SUNY Oswego, Spring 2015  
**Professor**, Inequality and Democracy  
 SUNY Oswego, Spring 2015  
**Award** "Excellence in Teaching by a Graduate Student" 2013-2014  
 Given to top two teaching assistants in political science  
 Competitive award with financial prize  
 Based on faculty nominations  
**Head Teaching Assistant**, Introduction to International Relations  
 (Professor Hein Goemans), University of Rochester, Spring 2014  
**Guest Lecturer** Introduction to International Relations (Professor Hein Goemans)  
 "International Institutions and War," "Asia's Role,"  
 "Human Rights," "Mid-term Synthesis"  
 University of Rochester, Spring 2014  
**Program Assistant for Study Abroad** (Professor Lynda Powell)  
 In charge of admissions, journal grader  
 Involved in ongoing program revisions  
**Teaching Assistant**, Introduction to International Relations (Professor Hein Goemans)  
 University of Rochester, Spring 2013  
**Teaching Assistant**, Introduction to American Politics (Professor Gerald Gamm)  
 University of Rochester, Fall 2013  
**Teaching Assistant**, Introduction to Political Philosophy (Professor James Johnson)  
 University of Rochester, Fall 2012  
**Teacher and Advisee Training Seminars**, attendee  
 University of Rochester and SUNY Oswego, 2012-2015

## SERVICE EXPERIENCE

**Cofounder**, Working Group, University of Rochester, 2012 - 2015

- Cofounded a weekly workshop to provide support for the development of research ideas among female graduate students in political science.

**Tutor**, Carlson Library Tutoring, University of Rochester, 2014

- Tutored students from disadvantaged backgrounds in English, Math, History, and Economics.

## CONFERENCES and PRESENTATIONS

**Georgetown Quantitative Models, Spring 2016**

“Automated Content Analysis: Understanding Text as Data through Regular Expressions and Word Clouds”

**Midwest Political Science Association Annual Meeting 2016**

“Education Matters: Four Decades of Legislative History, Party, Education, and Income”

**Georgetown American Government Speaker Series, Spring 2016**

“Race Matters: Tradeoffs Politicians Make when their District Does Not Reflect Their Race”

**American Political Science Association Annual Meeting 2015**

“Understanding Time Constraints and Policy: An Analysis Using Legislation, Staffing Resources, and Twitter”

**Midwest Political Science Association Annual Meeting 2015**

“Descriptive Representation, Policy, and Communication: Understanding Tradeoffs and Their Impact on Policy”

**Midwest Political Science Association Annual Meeting 2014**

“Casework and Legislation: An Analysis of Representation using Twitter, Facebook, and Press Releases”

**Midwest Political Science Association Annual Meeting 2013**

“Money Matters: The Influence of Affluence on Political Representation”

## SKILLS

**Technical:** R, Stata, SPSS, ArcGIS, C, Python, PHP, WinBUGS, LaTeX

**Languages:** Spanish (fluent)

## REFERENCES

Lynda Powell  
Associate Professor  
University of Rochester  
Dept. of Political Science  
lynda.powell@ur.rochester.edu

Matthew Blackwell  
Assistant Professor  
Harvard University  
Dept. of Government  
mblackwell@gov.harvard.edu

Richard Niemi  
Associate Professor  
University of Rochester  
Dept. of Political Science  
niemi@rochester.edu