

Stephen Pettigrew

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Education

Harvard University

PhD: Political Science; William Yandell Elliott Fellow
Master of Arts: Statistics

Cambridge, MA
May 2017
Mar. 2014

University of Georgia

Master of Arts: Political Science and International Affairs
Bachelor of Arts: Political Science and History; Summa Cum Laude; Phi Beta Kappa

Athens, GA
May 2011
May 2011

Experience

MIT Election Data and Science Lab

Project Manager

- Managed team of undergraduates and graduate students in building an election data clearinghouse

Data Scientist

- Constructed dataset for calculating 3 iterations of the Pew Elections Performance Index

Cambridge, MA
Apr. 2017–pres.

Sept. 2011–Apr. 2017

Bipartisan Policy Center/MIT Precinct Monitoring Project

Project Manager and Research Consultant

- Produced report of the study's findings including individualized reports delivered to participant states
- Processed hand-written data from over 4,500 voting precincts in 89 counties
- Coordinated workflow of 10 data entry assistants

Washington, DC
Oct. 2014–pres.

Cooperative Congressional Election Study

Data Analyst

- Produced cumulative data file for longitudinal analysis of 6 years of survey data
- Created and analyzed survey experiments

Cambridge, MA
Jan. 2012–May 2017

Winners View

Sports Media Data Consultant

- Developed statistical model of 3-point shooting among NBA centers
- Managed and advised 2 research assistants

Washington, DC
Apr.–Jul. 2016

Beecher Consulting LLC

Lead Data Analyst

- Evaluated program that invested \$100m+ in small and medium-sized firms in developing world
- Estimated effect that loans had on sales and employment

Brookline, MA
Jan.–Jun. 2016

Wall Street Journal

Data Modeler - "Madness Machine" project

- Assisted in building algorithm for filling out March Madness bracket
- Evaluated impact of offensive and defensive skills on college basketball team success

New York City, NY
Mar. 2015

Philadelphia 76ers

Sports Analytics Consultant

- Produced forecasting model of NBA success based on collegiate data
- Constructed database of 4 decades of college basketball statistics

Philadelphia, PA
Jul.–Nov. 2014

Statistics and programming expertise

Predictive modeling	R · Python · Stata · \LaTeX · HTML · CSS	Regression
Data visualization	Web scraping	Survey methodology
Natural language processing	Machine learning	Bayesian inference
	Database management	

Leadership and teaching

Conference Organizer	2016–2017
<i>Harvard Political Analytics Conference</i>	2016 & 2017
<ul style="list-style-type: none">Organized hackathon where participants analyzed 2 elections databases constructed for the eventCoordinated research paper competition, vetting more than 30 academic research submissions	
<i>Who Will Win in Rio?</i>	2016
<ul style="list-style-type: none">Led a day-long conference on political, economic, and athletic success at the 2016 Olympics	
Harvard University Teaching Fellow; MIT Teaching Assistant	2013–2016
<ul style="list-style-type: none">Taught 5 semesters of 3 PhD-level statistics classes Topics: R programming · experiment design · generalized linear models · causal inferenceTaught 4 semesters of 2 undergraduate level political science classesReceived Harvard Certificate of Distinction in Teaching for exemplary teaching evaluations (4 times)	
Boy Scouts of America	2000–2008
<ul style="list-style-type: none">Eagle Scout; Assistant ScoutmasterTrained 96 youth participants and led 16 staff members at week-long leadership training camp	

Peer-reviewed publications

Political Science Quarterly	
“The Race Gap in Precinct Wait Times: Why Minority Precincts are Underserved by Local Election Officials”	Fall 2017
Science	
“Comment on <i>Estimating the Reproducibility of Psychological Science</i> ”	Mar. 2016
International Journal of the History of Sport	
“Hosting the Olympic Games: An Overstated Advantage in Sports History”	Mar./Apr. 2016
Journal of Quantitative Analysis of Sports	
“How the West will be Won: Using Monte Carlo Simulation to Estimate the Effects of NHL Realignment”	Sept. 2014
Electoral Studies	
“Strategic Politicians, Partisan Roll Calls, and the Tea Party”	Mar. 2013

Selected other publications

Washington Post (3 articles)	2016–pres.
“Pence’s Voter Fraud Commission will Almost Certainly ‘Find’ Thousands of Duplicate Registrations that aren’t Duplicates. Here’s Why.”	
FiveThirtyEight (6 articles)	2014–pres.
“The 2014 Elections that Ended in a Tie”	
“How to Tell If a March Madness Underdog is Going to Win”	
Wall Street Journal (5 articles)	2014–pres.
“As NBA Playoffs Begin, Odds of Beating the Heat”	
“Sochi Olympics: Why Canada will Rule in Hockey”	
Deadspin (6 articles)	2014–pres.
“11 Million Brackets vs. ESPN, CBS, and Fox Experts: Who was Better?”	
“How Those 3-on-3 Overtime Rules Would Cut Down NHL Shootouts”	