

## Ryan B McMahon

---

|                              |   |                                |
|------------------------------|---|--------------------------------|
| CONTACT INFORMATION          | 8001 Sparks, Pennsylvania State University<br>University Park, PA 16802   | 970-819-6206<br>rbm166@psu.edu |
| EDUCATION                    | <b>Pennsylvania State University</b> , University Park, PA  |                                |
|                              | Ph.D., Political Science, Graduate Minor in Social Data Analytics, <i>Expected</i> : Summer 2018  |                                |
|                              | <ul style="list-style-type: none"><li>• Fields: Methodology and American Politics</li><li>• Dissertation: <i>Making Use of Linguistic Features and Grammatical Structure in the Analysis of Political Text</i></li><li>• Committee: Suzanna Linn (Chair), Burt Monroe, Michael Nelson, and Zita Oravecz</li></ul>   |                                |
|                              | M.A., Political Science, May 2016   |                                |
|                              | <ul style="list-style-type: none"><li>• Thesis: <i>Interactions Between Politics and the Market: The Financial Services Modernization Act of 1999</i></li><li>• Advisor: Suzanna Linn</li></ul>   |                                |
|                              | <b>University of Colorado</b> , Boulder, CO   |                                |
|                              | B.A., Political Science, <i>cum laude</i> , May 2014  |                                |
| RESEARCH EXPERIENCE          | <b>SMaPP Intern</b>   | Summer 2017                    |
|                              | Social Media and Political Participation,<br>New York University<br>Supervisor: Jonathan Nagler   |                                |
|                              | <b>BDSS-IGERT Fellow</b>  | August 2016 to August 2017     |
|                              | Big Data Social Science–Integrative Graduate Education and Research Traineeship,<br>Pennsylvania State University<br>Supervisors: Burt Monroe (PI) and Zita Oravecz   |                                |
|                              | <b>Analytics Intern</b>   | Summer 2016                    |
|                              | Slope Research, LLC,<br>Denver, CO<br>Supervisor: Gilad Wilkenfeld  |                                |
|                              | <b>BDSS-IGERT Fellow</b>  | August 2015 to August 2016     |
|                              | Big Data Social Science–Integrative Graduate Education and Research Traineeship,<br>Pennsylvania State University<br>Supervisors: Burt Monroe (PI) and Suzanna Linn   |                                |
|                              | <b>Research Assistant</b>   | January 2015 to August 2015    |
|                              | Department of Political Science Pennsylvania State University<br>Supervisors: Suzanna Linn  |                                |
| PUBLICATIONS                 | Boylan, Christopher, <b>Ryan McMahon</b> , and Burt L. Monroe. 2016. “Racially differentiated language in NFL scouting reports.” In <i>Workshop on Large Scale Sports Analytics at KDD</i> . San Francisco, CA.   |                                |
| EDITOR REVIEWED PUBLICATIONS | Boylan, Christopher <b>Ryan McMahon</b> , and Burt L. Monroe. “NFL draft profiles are full of racial stereotypes. And that matters for when quarterbacks get drafted” <i>The Monkey Cage</i> (April 27, 2017).  |                                |
| PAPERS IN PREPARATION        | <b>McMahon, Ryan</b> . 2017. “Part(y)-of-Speech: Word classes in US Senate press releases.”<br><b>McMahon, Ryan</b> , Zita Oravecz, Fridolin Linder, and Eric Loken. 2017. “Parallel processing approaches to fitting item response theory models for large-scale data in the Bayesian framework.”<br>Barberá, Pablo, Amber Boydston, Suzanna Linn, <b>Ryan McMahon</b> , and Jonathan Nagler. 2017. “Methodological challenges in estimating tone: Application to news coverage of the US economy.” In <i>67th Annual Conference of the International Communication Association</i> . San Diego, CA. |                                |

RESEARCH INTERESTS      Methodological: text analysis, machine learning, and measurement  
Substantive: political communication, sociolinguistics, and sports analytics

AWARDS

Travel Awards

- International Communications Assoc., San Diego, CA      Apr 2017
- Knowledge Discovery and Data Mining (KDD), San Francisco, CA      Aug 2016
- International Studies Assoc., Atlanta, GA      Mar 2016

Student Awards — Pennsylvania State University

- Big Data Social Science-IGERT      2015–2017
  - BDSS-IGERT is an NSF funded program intended to encourage interdisciplinary research and provide training. It is designed for PhD students interested in data- and computation-intensive research.
- Miller-LaVigne/Paterno Fellowship      May 2014
  - A competitive department-level award providing one year relief from graduate assistantship duties. Taken during 2017–18 academic year.
- Graduate Scholar Award      May 2014
  - A competitive college-level grant increasing graduate funds for two years.
- Center for American Political Responsiveness Fellowship      May 2014
  - A department-level grant providing support funds for three summers.

TEACHING EXPERIENCE      Teaching Assistant      Fall 2014

PLSC 001 - Introduction to American Politics  
Instructor: Zachary Baumann  
Pennsylvania State University (now at Florida Southern College)

REFERENCES

Suzanna Linn  
Professor      Phone: 814-863-9402  
Political Science      E-mail: sld8@psu.edu  
Pennsylvania State University

Burt L. Monroe  
Professor      Phone: 814-865-9215  
Political Science, Social Data Analytics,      E-mail: burtmonroe@psu.edu  
and Information Sciences  
Pennsylvania State University

Michael J. Nelson  
Jeffery L. Hyde and Sharon D. Hyde and Political      E-mail: mjn15@psu.edu  
Science Board of Visitors Early Career Professor,  
Assistant Professor  
Political Science  
Pennsylvania State University

Jonathan Nagler  
Professor      Phone: 212-992-9676  
Politics      E-mail: jonathan.nagler@nyu.edu  
New York University

Pablo Barberá  
Assistant Professor      E-mail: P.Barbera@lse.ac.uk  
Computational Social Science, Methodology Department  
London School of Economics

PROGRAMMING AND COMPUTING      Languages (notable libraries)

- Python (TensorFlow, keras, pandas, numpy, gensim, scikit-learn)
- R (Stan, caret, ggplot, doParallel)
- UNIX