

# Joseph L. Sutherland

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## Education

Ph.D., Political Science, Columbia University (Expected May, 2020).

- Concentrations: *American Politics* and *Political Methodology*.

A.B., Political Science, Washington University in St. Louis, 2014.

## Recent Employment

Senior Product Development Engineer, Prattle Analytics, St. Louis, MO, 2014–Present.

- Prattle utilizes text analysis methods to provide innovative investment decision-making solutions. Our core product, the Fed Index, is a capital markets trading signal synthesized from our proprietary unbiased, comprehensive, quantitative analysis of central bank sentiment. A TechStars New York 2015, MassChallenge 2015, and Arch Grants 2014 finalist, ITEN named Prattle one of St. Louis' fastest-growing startups in 2014. Prattle's work has been featured in the Wall Street Journal, Bloomberg, and The Deal.

National Advance Associate, Office of Scheduling & Advance, The White House, 2011–2013.

- Directed Presidential events with a weekly budget of \$200,000, most televised on *CNN*, *FOX*, *MSNBC*, *YouTube*, and *WhiteHouse.gov*. Scheduled and executed the movements of the President of the United States, the First Lady, Secretaries, Governors, U.S. Senators and Representatives, press, staffers, and volunteers at sites drawing crowds of up to 30,000 attendees.

White House Intern, Office of Scheduling & Advance, The White House, 2011.

## Research & Publications

### Refereed Articles

With Jon Rogowski. 2015. "How Ideology Fuels Affective Polarization." *Political Behavior*, 1-24.

## Conference Presentations

“Send in the Clones? The Effect of Surrogates on Candidate Support.” 2014. Presented at the Annual Meeting of the Midwest Political Science Association. Recipient of the Antoinette Dames Prize for Outstanding Honors Thesis in Political Science.

## Working Papers

“Scaling the Tower of Babel: Divergent Policy Implications Among Translated and Native-Language Central Bank Communications.” 2015.

“Identifying Homophilic Versus Outcome-Based Voting.” 2014.

“Multinational Enterprises as Interest Groups and their Spatial Influence in Congress.” 2014.

“You’re Nothing Without Me: The Mathematics of the G7-G20-IMF Dynamic.” 2014.

“Party Renegade: McCarthy’s Effect on Republican Voting Patterns in the U.S. Senate.” 2013.

“State Primacy and Partisanship in EPA Regulation of the Clean Water Act.” 2013.

## Book Chapters

*How the Fed Moves Markets: New Tools to Decode Modern Central Banking*. Forthcoming 2015. Palgrave MacMillan. Authors: Evan A. Schnidman and William D. MacMillan. Collected data, produced figures and tables, and wrote content for International Bank Sentiment Index applications.

## Datasets

*State of the States Addresses from 1880–Present (SOTS)*. With Dan Butler. In development, 2015.

*International Central Bank Communications (ICBC)*. 2015. International, comprehensive central bank communications repository. Data include 18 global central banks and more than 21,000 communications in multiple languages. Systematized data collection is managed with privately-run Python code on AWS EC2/RDS instances. Prattle uses this data to generate our Central Bank Sentiment Indices.

## Software Packages

With William D. MacMillan. *pRattle: API interface for sentiment index data in R*. 2015. <http://github.com/prattle-analytics/pRattle>.

*bankBabel: Python interface for document scoring in multiple languages*. 2015. Private use.

## Conference Presentations & Invited Talks

Annual Meeting of the Midwest Political Science Association, Chicago, IL: Poster, April 2014.  
National Council of Washington University in St. Louis, St. Louis, MO: Slides, May 2014.  
Washington University Undergraduate Research Symposium, St. Louis, MO: Poster, April 2014.  
Washington University Political Science Poster Sessions, St. Louis, MO: Posters, April 2014.  
Washington University Celebration Weekend, St. Louis, MO: Panel, March 2014.  
Washington University Alumni Reunion, St. Louis, MO: Panel, November 2013.

## Selected Service Activities

Washington University Alumni and Parents Admission Program (APAP), 2015–Present  
Volunteer Software Engineering Tutor, *ScriptEd*, 2015–Present  
Certified Mathematics Tutor, 2011–Present

## Honors & Awards

Antoinette Dames Prize for Outstanding Thesis in Political Science, 2014.  
Dean's List, 2011, 2013, 2014.  
Washington University Undergraduate Research Grant, 2014.  
Mortar Board National College Senior Honors Society, 2014.  
Richard A. Gephardt Civic Scholarship, 2011.  
Eliot Scholarship, 2009.  
Elizabeth Herman Scholarship, 2009.  
Sarasota County (Florida) Volunteer of the Year, 2008.