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## Jeffrey B. Arnold

### Employment

#### University of Washington

- Assistant Professor of Political Science, January 2015–*present*
- Acting Assistant Professor of Political Science, September 2014–December 2015
- Core Faculty Member in the Center for Statistics and the Social Sciences, September 2014–*present*

#### Emory University

- Instructor of Political Science, September 2013–August 2014

#### Federal Reserve Bank of New York

- Economist, Money and Payments Studies Function, 2007
- Assistant Economist, Money and Payments Studies Function, 2005–2006
- Research Associate, Payments Studies Function, 2004–2005

### Education

#### University of Rochester

- Ph.D. in Political Science, December 2015
- M.A. in Political Science, March 2012
- Dissertation: *Three Essays on Conflict and Financial Markets, and Political Methodology*

#### Dartmouth College

- B.A. in Economics, and Government; *cum laude*; High Honors in Economics, June 2004

### Works

#### Published

- Kimmo Soramäki, Morten L. Bech, Jeffrey Arnold, Robert J. Glass, and Walter E. Beyeler “The Topology of Interbank Payment Flows,” *Federal Reserve Bank of New York Staff Reports*, no. 243 (March 2006), [http://www.newyorkfed.org/research/staff\\_reports/sr243.html](http://www.newyorkfed.org/research/staff_reports/sr243.html).
- Kimmo Soramäki, Morten L. Bech, Jeffrey Arnold, Robert J. Glass, and Walter E. Beyeler “The Topology of Interbank Payment Flows,” *Physica A* forthcoming (2007).
- Olivier Armandtier, Jeffrey B. Arnold, and James J. McAndrews “Changes in the Timing Distribution of Fedwire Funds Transfers,” *Federal Reserve Bank of New York Economic Policy Review*, 2008, <http://www.newyorkfed.org/research/epr/o8v14n2/o8o9arma.html>.

## Under Review

Jeffrey B. Arnold, J. Tyson Chatagnier, and Gary Hollibaugh “Allegiance, Ability, and Achievement in the American Civil War: Commander Traits and Battlefield Military Effectiveness,” 2017.

## Unpublished and Other

Arnold, Jeffrey B. (2018) Quantitative Social Science: The R Tidyverse Code [Link from QSS site]

Arnold, Jeffrey B. (2018) Exercise Solutions to R for Data Science

## Software

See <https://github.com/jrnold> for open-source software and ongoing projects.

## R packages on CRAN

ggthemes. Author, maintainer.

pollstR. Author, maintainer.

smss. Author, maintainer.

margins. Author.

## Other

qss-package, R package. Author.

lstbayes, LaTeX package. Author, maintainer.

stan-mode, Emacs package. Author.

stan-snippets, Emacs package. Author.

language-stan, Atom package. Author, maintainer.

## Conference Presentations

Annual Meeting of the Midwest Political Science Association, Chicago, IL, April 7–12, 2016: “Ideology, Appointments, and Battlefield Outcomes”, “Bayesian Change Points and Linear Filtering with Shrinkage Priors”.

2015 Meeting of the Peace Science Society, Oxford, MS, November 12, 2015. The American Civil War and International Relations workshop.

2014 Meeting of the Peace Science Society, Philadelphia, PA, October 9, 2014. Empirical Implications of the Bargaining Model workshop.

Annual Meeting of the American Political Science Association, Chicago, IL, August 30, 2013.

PolMeth XXX, Charlottesville, VA, July 18, 2013. “Modeling Changepoints by Time-Varying Parameters and Sparse Priors” (poster)

Annual Meeting of the Midwest Political Science Association, Chicago, IL, April 12, 2013: “Pricing the Costly Lottery: Financial Market Reactions to Battlefield Events in the American Civil War”, “Producing Death: Estimating the Offense-Defense Balance from the Production Function of Battle Casualties”.

2011 Meeting of the Peace Science Society, Savannah, GA, October 26, 2012: “Pricing the Costly Lottery: Financial Market Reactions to Battlefield Events in the American Civil War”

PolMeth XXIX, Raleigh, NC, 2012, July 19: “Pricing the Costly Lottery: Financial Market Reactions to Battlefield Events in the American Civil War” (poster)

- Annual Meeting of the Midwest Political Science Association, Chicago, IL, April 12–13, 2012: “Who Does History Remember? Using Wikipedia to Measure the Historical Reputation of Leaders”, “Producing Death: Modeling and Estimating the Technology of Conflict”.
- 2011 Meeting of the Peace Science Society, Los Angeles, CA, October 15, 2011: “Pricing the Costly Lottery: Financial Market Reactions to Battlefield Events in the American Civil War”
- 2011 Meeting of the American Political Science Association, Seattle, WA, September 2, 2011: “Destruction or Revelation? Estimating the Influence of Battles on Financial Market Expectations during the the American Civil War” (poster).

## Honors & Awards

- QuanTM Pre-doctoral Fellow, QuanTM Institute for Quantitative Theory and Methods, Emory University, January–May 2013
- Star Lab Poster Award, The Star Lab, University of Rochester
- Star Lab Best Conference Presentation, The Star Lab, University of Rochester, 2011–2012
- APSA Annual Meeting Graduate Student Travel Grant, APSA, 2011
- Graduate Student Teaching Award, Department of Political Science, University of Rochester, 2011
- Sproull Fellowship, University of Rochester, 2007–2009
- John Carroll International Economics Scholar Prize for Outstanding Contribution, 2004
- James O. Freedman Presidential Scholar, Dartmouth College, 2004
- War and Peace Studies Fellow, John Sloan Dickey Center, Dartmouth College, 2003–2004
- James O. Freedman Presidential Scholar Research Assistant, Dartmouth College, 2002–2003

## Teaching

### Instructor

#### Graduate

- CS&SS/STAT 564: Bayesian Statistics University of Washington, Spring 2018. <https://uw-csss-564.github.io/2018/>
- POLS/CS&SS 503: Advanced Quantitative Political Methodology, University of Washington, Spring 2018. <https://uw-pols503.github.io/2018/>
- POLS/CS&SS 501: Advanced Political Research Design and Analysis, University of Washington, Winter 2017. <https://uw-pols501.github.io/2018/>
- CS&SS/STAT 564: Bayesian Statistics University of Washington, Spring 2017. <https://uw-csss-564.github.io/2017/>
- POLS/CS&SS 503: Advanced Quantitative Political Methodology, University of Washington, Spring 2017. <https://uw-pols503.github.io/2017/>
- POLS/CS&SS 501: Advanced Political Research Design and Analysis, University of Washington, Winter 2017. <https://uw-pols501.github.io/2017/>
- POLS/CS&SS 503: Advanced Quantitative Political Methodology, University of Washington, Spring 2016. <https://uw-pols503.github.io/2016/>
- POLS/CS&SS 501: Advanced Political Research Design and Analysis, University of Washington, Winter 2016. <https://uw-pols501.github.io/2015/>
- POLS/CS&SS 503: Advanced Quantitative Political Methodology, University of Washington, Spring 2015. <https://uw-pols503.github.io/2015/>

## Undergraduate

CS&SS/SOC/STAT 203: Statistical Concepts and Methods for the Social Sciences, University of Washington, Winter 2015.  
 POLS 208: Political Science Methods. Emory University. Spring 2015.  
 POLS 208: Political Science Methods. Emory University. Fall 2014.

## Other

Political Science Graduate Student Math Camp, Emory University. January 2015.

## Professional & Departmental Service

Software Carpentry, Certified Instructor, 2016  
 Organizer Center for Statistics and the Social Sciences (CSSS) Seminar, 2014–*present*  
 International Studies Association (ISA) 2014 Working Group, “Forecasting International Events”, sponsored by The Scientific Study of International Processes Section (SSIP). With Curtis Signorino.  
 Summer Workshop on Analysis of Military Operations and Strategy (SWAMOS). Saltzman Institute for War and Peace Studies, Columbia University, 2012.  
 Reviewer for *Conflict Management and Peace Science*, *International Interactions*, *International Studies Quarterly*  
 Member of the American Political Science Society, Midwest Political Science Society, Peace Science Society, and the Society for Political Methodology.