

David A. Armstrong II

Curriculum Vitae¹

Contact:

Department of Politics
University of Wisconsin - Milwaukee
P.O. Box 413
Milwaukee, WI 53201

e: armstrod@uwm.edu
w: <http://www.quantoid.net>

Positions:

2014-present Associate Professor of Political Science
University of Wisconsin - Milwaukee

2009-2014 Assistant Professor of Political Science
University of Wisconsin - Milwaukee

2006-2009 Post-Doctoral Fellow in Quantitative Methods
University of Oxford, Department of Politics and International Relations

Other Appointments:

2006-Present Instructor: Regression III (2007-), Introduction to R (2006, 2009-2014)
Scaling and Dimensional Analysis, with Bill Jacoby (2011, 2013)
R: Learning by Example (2015)
Inter-university Consortium for Political and Social Research
Summer Program in Quantitative Methods

2008 Instructor: Improving Regression Analysis (2008)
Dimension Reduction in R (2015)
Essex Summer School in Social Science Data Analysis

Education:

Ph.D. in Government and Politics, University of Maryland (2009)
B.A. in Political Science. University of Maine at Presque Isle (1998)

Research Interests:

Quantitative Political Methodology, Measurement Theory and Latent Dimension Estimation, Democracy, Human Rights, Contentious Politics

Publications - Books:

Armstrong, David A., II, Ryan Bakker, Royce Carroll, Christopher Hare, Keith Poole and Howard Rosenthal. 2014. *Analyzing Spatial Models of Choice and Judgement With R*. Boca Raton, FL: CRC Press.

¹Last Updated October 4, 2015

Publications - Refereed Articles:

- Hare, Christopher, David A. Armstrong II., Ryan Bakker, Royce Carroll and Keith Poole. 2015. "Using Bayesian Aldrich-McKelvey Scaling to Study Citizens Ideological Preferences and Perceptions" *American Journal of Political Science* 59(3): 759-774.
- Jacoby, William G. and David A. Armstrong II. 2014. "Bootstrap Confidence Regions for Multidimensional Scaling Solutions" *American Journal of Political Science* 58(1): 264-278
- Armstrong, David A., II. 2013. "factorplot: Improving Presentation of Simple Contrasts in Generalized Linear Models" *The R Journal* 5(2): 4-15.
- Armstrong, David A., II. 2011. "Stability and Change in Political Rights and Civil Liberties" *Journal of Peace Research* 48(5): 653-662.
- Davenport, Christian, Sarah A. Soule and David A. Armstrong II. 2011 "Protesting While Black? The Differential Policing of American Activism, 1960 to 1990" *American Sociological Review* 76(1): 152-176.
- Duch, Raymond M., Jeff B. May and David A. Armstrong II. 2010. "The Coalition-Directed Vote in Contexts with Multi-party Governments" *American Political Science Review* 104(4): 698-719.
- Armstrong, David A., II and Raymond M. Duch. 2010. "Why Can Voters Anticipate Post-Election Coalition Formation Likelihoods" *Electoral Studies* 29(3):308-315.
- Armstrong, David A., II. 2009. "Measuring the Democracy-Repression Nexus" *Electoral Studies* 28(3): 403-412.
- Davenport, Christian and David A. Armstrong II. 2004. "Democracy and the Violation of Human Rights: A Statistical Analysis from 1976-1996" *American Journal of Political Science* 48(3): 538-554.
- Gimpel, James G., Irwin L. Morris and David A. Armstrong II. 2004. "Turnout and the Local Age Distribution: Examining Political Participation across Space and Time" *Political Geography* 23: 71-95.

Publications - Other:

Armstrong, David A. II and Christian Davenport. 2008. "Six Feet Over: Internal War, Battle Deaths and the Influence of the Living on the Dead." In Stephen M. Saideman and Marie-Joelle Zahar, eds. *Insecurity in Intra-State Conflicts: Governments, Rebels, and Outsiders*. London: Routledge

Understanding Untouchability: A Comprehensive Study of Practices and Conditions in 1589 Villages. (Multiple Authors)
Report published by the Robert F. Kennedy Center for Justice & Human Rights
Available at <http://www.rfkcenter.org/untouchability>

Working Papers/Projects:

Armstrong, David A., II, Will H. Moore and Christian Davenport. *Torture, Violent Dissent and Democratic Institutions*. Under review.

Armstrong, David A., II and William G. Jacoby. *bsmds: An R Package for Bootstrapping Multidimensional Scaling Solutions*.

Davenport, Christian, Rose McDermott and David A. Armstrong II. *Protest, Policing and Perception: An Experimental Test*.

Armstrong, David A., II. *The Unexpected Effect of Elections on Repression*.

Armstrong, David A. II. *Causal Mechanisms and the Democracy-Repression Nexus*.

Armstrong, David A., II, Raymond M. Duch and Ryan Bakker. *Estimating with Estimates: Advice for Users of Latent Variables with Uncertainty*.

Bakker, Ryan and David A. Armstrong II and Johannes Karreth. *Missing Data and the Gibbs Sampler: A Simple Approach to Estimating Models With Missing Data*.

Teaching Experience:

University of Wisconsin - Milwaukee

Comparative Political Systems (POL SCI 335, UG, online and Face-to-face)
Techniques of Political Science Research (POLSCI 701, G)
Adv. Techniques of Political Science Research (POLSCI 702, G)
Seminar in Advanced Political Science Methodology (POLSCI 935, G)
Applied Bayesian Modeling for the Social Sciences (POLSCI 936, G)

Inter-University Consortium for Political and Social Research (ICPSR) Summer Program

Measurement, Scaling and Dimensional Analysis [with Bill Jacoby] (2011, 2013)
Regression III: Advanced Methods (2007-)
Introduction to R (2006 [with Ryan Bakker], 2009-2014)
R: Learning by Example (2015)

Essex Summer School in Social Science Data Analysis

Improving Regression Analysis (2008)
Dimension Reduction in R

University of Oxford:

Advanced Statistics with Ray Duch (Trinity Term 2009)
Measurement in the Social Sciences (Trinity Term 2007, 2008, 2009)
Quantitative and Formal Methods in IR (Hilary Term 2009)
Intermediate Social Statistics (Hilary Term 2007, 2008, 2009)
Applied Statistics for the Social Sciences (Michaelmas Term 2006, 2007)

Invited Presentations and Workshops:

“Introduction to R: Basics, Visualization and Text Analysis” Workshop

University of Wisconsin-Milwaukee (Digital Humanities Lab), April 3, 10 and 24, 2015

“Bayesian Analysis and Data Visualization” Workshop

Florida State University, May 6-9, 2013 (with Ryan Bakker)

“Communicating Statistical Results: Effective Presentation of Relationships and Effects”

The Oxford Spring School, April 16-20, 2013 (with Bob Andersen)

“A Directional Model of Candidate Evaluation” with Bill Jacoby

Presented at the “Directions in Political Space” Conference
ICPSR, University of Michigan, October 26, 2012.

“Causal Mechanisms and the Democracy-Repression Nexus”

ETH-Zurich, CIS Colloquium, October 4, 2012.

“An Introduction to R” Center for Applied Behavioral Health Research,

University of Wisconsin-Milwaukee, June 5-6, 2012.

Invited Presentations and Workshops, continued:

- “Communicating Statistical Results: Effective Presentation of Relationships and Effects”
The Oxford Spring School, April 4-8, 2011 (with Bob Andersen)
- “An Introduction to **R**” Center for Addiction and Behavioral Health Research,
University of Wisconsin-Milwaukee, June 15-16, 2010.
- “An Introduction to **R**” University of Maryland - College Park, May 24-26, 2010.
- “The Unexpected Effects of Elections on Repression” Innovations in the Study of Mass
Violations of Human Rights, University of Notre Dame, April 12-13, 2010.
- “Modern Regression Analysis” The Oxford Spring School, March 15-19, 2010
(with Bob Andersen)
- “Structural Equation Models for Panel Data” The Oxford Spring School, March 26, 2009
- “The Analysis of Large-N Comparative Data” Oxford Spring School Workshop
(with Raymond Duch), September 30, 2008
- “An Introduction to **R**” Oxford Spring School Workshop September 29, 2008.
- “Reconsidering the Democracy-Repression Nexus” *Nuffield Political Science Seminar Series*. Nuffield College, University of Oxford, May 6, 2008.
- “A Strategic Ideological Vote” (with Ray Duch and Jeff May) at the *Theoretical and Empirical Contributions to Modeling Context in the Vote Decision Conference*. Nuffield College, University of Oxford, June 1-2, 2007.
- “Remeasuring Left-Right: Measurement and Manifesto-Based Party Placements”
(with Ryan Bakker). Vrije Universiteit, Amsterdam. December 8, 2006.

Grants and Awards:

- Stipend for Undergraduate Research Fellows award (for Nicholas Nassif).
Office of Undergraduate Research, UWM. (June-August, 2010)
- Clogg Scholarship. ICPSR Summer Program 2002.
- Robert H. Michel Civic Education Grant, 2001. Simulating Congressional Negotiations.
(with Victor Asal and David Gerwin). \$4900.
URL: <http://www.pekin.net/dirksen/grantmichelciviced.htm>
- Dillon Enhanced Assistantship - Department of Government and Politics, University of Maryland. Fall, 2001. (1 of 2 selected from incoming class of 1999).

Professional Service:

Editorial Board Member: *American Journal of Political Science* (2014-)

Advisory Board Member: ICPSR Summer Program in Quantitative Methods (2013)

Manuscript Reviewer: *American Journal of Political Science*, *American Political Science Review*, *British Journal of Political Science*, *International Studies Quarterly*, *Journal of Conflict Resolution*, *Journal of Peace Research*, *Journal of Politics*, *Political Analysis*, *Political Psychology*.

Departmental Service:

Dissertation Committee Chair:

In Progress: Kelly Gleason, Michael Hansen (co-chair with Tom Holbrook),
Nick Davis

Dissertation Committee Member:

2010: Craig Frizzell

2012: David Helpap, Florian Weiler (ETH-Zurich)

2013: Joe Cera, Youngmi Choi, Clayton Clouse, Aaron Weinschenk

2014: Sky Amman, Hayam Kim, Tim Lynch, Michael Tyburski, Zach Wallander

In Progress: Wondeuk Cho, Cassio Muniz, Shawn Fettig, Leanne Freeman (Ed Psych)

Master's Committee Chair

2010: Paul Lasswell

2012: Nick Davis, Dale Pinzino

2013: Scott Dettman, Rebekah Wilberg

2014: Ryan Lynch

2015: Paul Larson

Master's Committee Member

2010: Sky Amman, Margaret DeVito, BethAnn Hoover, Matt Luttig, Andrew Schmidt,
Zach Wallander, Stefan Wojcik

2011: Benjamin Schmidt, Steven Thunander

2012: Stephen Baird, Michael Hansen, Seng Vang

2013: James Gorman

2014: Carisa Bergner, Justin Panawash-Bielinski

2015: Gayeon Ryu, Anthony Sudarmawan

Departmental Committees:

Graduate Studies Committee: 2010-

Comparative Politics Prelim Exam Committee: 2010-

Search Committees: Comparative (2012), American (2013)

Recent Conference Activity:

Chair of panel on Domestic Politics at the conference - "South Korea's Rise: Politics, Economics and Humanities", May 1, 2013, University of Wisconsin - Milwaukee.

"(Un)Just Repression and mass (Resistance/)Acquiescence: 911, Countering Threats and the Anti-US Patriot Act Movement" Presented at the annual meeting of the Midwest Political Science Association, April 2013.

"Causal Mechanisms and the Democracy-Repression Nexus" Presented at the annual meeting of the Midwest Political Science Association, April 2012.

"The Unexpected Effect of Elections on Repression." Presented at the Annual Meeting of the Midwest Political Science Association, April 2011.

"Bootstrap Confidence Regions for Multidimensional Scaling Solutions" with Bill Jacoby. Accepted for presentation at the Annual Meeting of the Midwest Political Science Association, April 2011.

"Missing Data and the Gibbs Sampler: A Simple Approach to Estimating Models With Missing Data." with Ryan Bakker. Presented at the Annual Meeting of the Midwest Political Science Association, April 2010.

"Kramer Revisited: Comparing the Effect of Economic Attitudes and the Real Economy on Vote Choice" with Raymond M. Duch. Presented at the Annual Meeting of the Midwest Political Science Association, April 2010.

"Kramer Revisited: Comparing the Effect of Economic Attitudes and the Real Economy on Vote Choice" with Raymond M. Duch. Presented at the Annual Meeting of the American Political Science Association, September 2009.

"Stability and Change in the Freedom House Data" Presented at the Annual Meeting of the Midwest Political Science Association, April 2009. *Nominated for Westview Press Award*

"Kramer Revisited: Comparing the Effect of Economic Attitudes and the Real Economy on Vote Choice" with Raymond M. Duch. Presented at the Annual Meeting of the Midwest Political Science Association, April 2009.

"A Strategic ideological Vote" with Raymond M. Duch. Presented at the Annual Meeting of the Midwest Political Science Association, April 2008.

Software:

- `bsmids` - R package to perform, summarize and present bootstrapped multidimensional scaling solutions (written with Bill Jacoby). We implement a non-parametric bootstrapping algorithm for multidimensional scaling solutions and permit the user to plot two-dimensional configurations with either normal-theory confidence ellipses or convex hulls. (source code available now upon request.)
- `DAMisc` - R package of miscellaneous functions to support my teaching. This package includes functions to aid in the presentation and interpretation of generalized linear and related models. Version 1.2 of the package is available on the Comprehensive R Archive Network
- `factorplot` - R package to help visualize pairwise comparisons from a multiple testing procedure (e.g., polytomous factors used in GLMs). This is another solution to the reference category problem (other solutions to the same problem are quasi/floating variances and compact letter displays). Version 1.1-1 is available on CRAN.
- `hot.deck` - R package to perform multiple hot-deck imputation as discussed by Cranmer and Gill (2013). Written with Skyler Cranmer, Jeff Gill, Natalie Jackson and Andreas Murr. Version 1.0 available on CRAN.