John R. Beieler

CONTACT INFORMATION

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EDUCATION

Pennsylvania State University
Ph.D., Political Science
Major Field: International Relations
Minor Fields: Political Methodology, Computational Methods

Louisiana State University, 2012
B.A., Political Science, College Honors
Thesis: Leader Psychology and Involvement in International Events

RESEARCH IN PROGRESS

"Missingness in Group-Level Studies of Terrorism" with Bryan Arva.

CONFERENCE PRESENTATIONS

"Efficient Analysis of Big Data and Big Models via Distributed Computation" with Benjamin E. Bagozzi and Burt Monroe. Poster presented at the annual meeting of the Society For Political Methodology. University of Virginia. July 18-20, 2013.

"Improving Forecasts of International Events of Interest" with Bryan Arva, Ben Fisher, Gustavo Lara, Philip A. Schrodt, Wonjun Song, Marsha Sowell and Sam Stehle.
Paper presented at the annual meeting of the European Political Studies Association. Barcelona. June 2013.

- Paper at http://eventdata.psu.edu/papers.dir/Arva.etal_EPSA_13.pdf

"U.S. Leaders, Bureaucracies, and Client States: How Do the "Psychologies" within an Administration Affect Policy?" with Mark Schafer and Austin Geraghty.
Paper presented at the annual meeting of the International Studies Association. San Francisco. April 3-6, 2013.

"Leader Psychology and Involvement in International Events"
Paper presented at the annual meeting of the International Studies Association. San Diego. April 1-4, 2012.

"Changes in Leader Psychology and the Response to Crisis Onset" with John Robert Butler.
Paper presented at the annual meeting of the International Studies Association-Midwest. St. Louis, MO. November 10-13, 2011.; Paper presented at the annual meeting of the Louisiana Political Science Association. February 24-25, 2012.

- *Winner of the International Studies Association-Midwest Margaret G. Hermann Award for Best Paper Using Text Analysis*
- *Winner of the Louisiana Political Science Associations Undergraduate Student Research Award for Best Undergraduate Paper.*

"Effects of Presidential Psychology on Militarized Interstate Disputes from 1945-2001."
Paper presented at the annual meeting of the International Studies Association. Montreal. March 15-19, 2011.

"The Effect of Leadership on Foreign Policy Decisions: A Study of Relations Between the U.S. and Iran."
Paper presented at the annual meeting of the International Studies Association-Midwest.

St. Louis, MO. November 4-7, 2010.; Paper presented at the University of Louisiana-Lafayette Honors Invitational.

INVITED TALKS "Working with the Global Database of Events, Language and Tone (GDELT)." October 2013. Workshop on Geography and Armed Conflict. Uppsala University, Sweden.

"Efficient Analysis of Big Data and Big Models Via Distributed Computation in R" with Benjamin E. Bagozzi and Burt Monroe. 2013. Penn State R User Group.

SOFTWARE PROJECTS

PETRARCH

- Python Engine for Text Resolution And Related Coding Hierarchy
- Python-language successor to the TABARI event-data coding platform.
- Code available at https://github.com/eventdata/PETRARCH

py_apsrtable

- py_apsrtable is a Python program written to aid in the creation of LaTeX tables from the output of Python statistical packages such as `statsmodels`.
- Code and further description available at johnbeieler.org/py_apsrtable/

Lafleur, McKendon and John Beieler. 2012. "PresidentParser: Automated Mark-up Utility." *The Political Methodologist*. 19:2.

- Program available at johnbeieler.org/code.

OTHER

2013. "A Tutorial on Deploying and Using Amazon Elastic Cloud Compute Clusters." *The Political Methodologist*. 20:2.

- Associated code available at https://github.com/johnb30/polmeth_ec2

COMPUTER SKILLS

Programs: R, Stata, SPSS, Profiler Plus
Languages: Python, SQL, C (Beginner)
Other Technologies: NoSQL (MongoDB), Linux, git, Amazon Web Services (EC2, S3, Elastic Map Reduce), Hadoop (Hive and Pig), continuous integration (Travis-CI)

EXPERIENCE

Research Assistant

- STempo: An Interactive Visualization and Statistical Environment for Discovery and Analysis of Space-Time Patterns, Dr. Donna Peuquet (GeoVista Center), Fall 2013
  - Wrote Python programs to aid in the creation of a data-intake pipeline.
  - Performed analyses to establish the quality and type of data used within the program.
- Python Engine for Text Resolution And Related Coding Hierarchy (PETRARCH), Dr. Philip Schrodt, Summer 2013
  - Organized and participated in the development of PETRARCH, the Python-language successor to the TABARI event-data coding platform.
  - Designed the layout and structure of the program, along with identifying suitable technologies and software to use in conjunction with the program..

- Programmed natural language processing facilities, algorithms, and parallel computation capabilities.

- Political Instability Task Force Human Atrocities Project, Dr. Philip Schrodt, Spring 2013
  - Designed and deployed a web scraper written in Python to scrape news stories relating to human atrocities in near real time. Code is available at https://github.com/johnb30/atrocitiesProject.
  - Coded political events relating to human atrocities.

Teaching Assistant

- PLSC 014, Introduction to World Politics, Dr. Robert Packer, Fall 2012
  - Held weekly office hours to answer student questions relating to course material and to help students prepare for examinations.
  - Graded essay examinations.

HONORS AND AWARDS

NSF Big Data Social Science IGERT Fellow. 2013-2015.

LSU Honors College Outstanding Honors Thesis Award. Spring 2012.

LSU Tiger Athletic Foundation Thesis Scholarship Award Winner. Spring 2011.

LSU Honors College Outstanding Junior of the Year. Fall 2010-Spring 2011.

LSU ASPIRE Research Grant. Spring 2011, Spring 2012.