Adam Lauretig

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EDUCATION   *Ph.D in Political Science,*   August 2014 - Present
The Ohio State University, Columbus, OH
Fields: Quantitative Methodology, International Relations

B.A. in Political Science,   August 2009 - May 2013
Grinnell College, Grinnell, IA

PUBLICATIONS   "Statistics and International Security." Adam M. Lauretig and Bear F. Braumoeller. In *The Oxford Handbook of International Security*, Oxford University Press. *Forthcoming*.

RESEARCH   *Dissertation:* "Conversations in the Hallways of Power"
- Using computational text analysis to understand countries' behavior during war
- Cleaning text with Python, part-of-speech tagging, parsing and topic modeling diplomatic cables in the *Foreign Relations of the United States* corpus with R
- Developing hypothesis tests for word embedding models

GRANTS AWARDED   *Data Analysis and Social Inquiry Lab Development Grant*: Grinnell College President's Fund, $20,000, 2014
Summer Fellowship: Grinnell College, $3200, 2012

EXPERIENCE   *Graduate Teaching Associate*   January 2018 - Present
The Ohio State University, Columbus, OH
- Instructor for Political Analysis II (advanced undergraduate class)
- Teaching applied statistics (Ordinary Least Squares, Generalized Linear Models), cleaning and analyzing data, and coding using the R programming language
- Designing syllabus, preparing lectures and course material for 26 undergraduates

Graduate Research Assistant, Prof. Marcus Kurtz   August 2017 - December 2017
The Ohio State University, Columbus, OH
- Implemented statistical modeling for Political Economy questions
- Imputed missing oil field data using Random Forests
- Estimated marginal structural models to measure causal effects of economic policies

Short-term consultant   January 2017 - Present
The World Bank, Jakarta, Indonesia
- Collaborating with four member team to perform statistical analysis on 4.5 million employees of BKN (Indonesian Civil Service)
- Clean and map data on civil service performance across Indonesia using R
- Investigate role of gender in career trajectory, with 55 million observation dataset
- Difference-in-difference analysis of promotion patterns before and after democratization

Junior Fellow, Program In Statistics and Methodology   August 2016 - August 2017
The Ohio State University, Columbus, OH

- Provide statistical assistance and advice to Political Science graduate students and professors about research design, gathering data, and statistical modeling
- Wrote demonstration of R for high performance computing on Ohio State's Unix cluster
- Held workshop on Spatial Statistics in R

Graduate Research Assistant, Professor William Minozzi   June 2015 - June 2016
The Ohio State University, Columbus, OH
- Collaborated with four member team to investigate patterns of government contracting, using a novel, 38-million observation dataset
- Cleaned 38-million observation dataset of US government contracting data
- Used Python and ArcGIS to geocode 38-million observations

Graduate Teaching Assistant   August 2014 - June 2016
The Ohio State University, Columbus, OH
- GTA for Introduction to Public Policy, Theories of International Relations, and International Security and the Causes of War
- Graded exams, held office hours, met with students
- Responsible for 70-120 students per semester

Post-Baccalaureate Fellow   June 2013 - June 2014
Data Analysis and Social Inquiry Lab, Grinnell College, Grinnell, IA
- Assist faculty and students with data analysis in ArcGIS, Excel, and STATA
- Tutor students in ArcGIS
- Develop and lead class exercises instructing students in ArcGIS

Research Assistant   March 2013 - May 2013
Data Analysis and Social Inquiry Lab, Grinnell College, Grinnell, IA
- Data entry in Excel for World Indicator dataset

WORKS IN PROGRESS

"Elites and Casualty Sensitivity: A Computational Text Analysis Approach." Adam Lauretig

"Democratization and the Civil Service – An Analysis of Promotion Patterns in Indonesia." Jan H. Pierskalla, Adam Lauretig, Drew Rosenberg, and Audrey Sacks.

"Word Embeddings for Political Science." Adam Lauretig and Brice D.L. Acree.

QUANTITATIVE SKILLS

Statistics Courses: Text as Data, Computational Linguistics, Spatial Statistics, Quantitative Geography, Causal Inference, Time Series, Generalized Linear Models, Probability & Statistics.
Programming Languages: R, Python, Stan.
Software: MATLAB, LaTeX, STATA, ArcGIS, QGIS.

PROFESSIONAL PRESENTATIONS

"Elites and Casualty Sensitivity: A Computational Text Analysis Approach." Poster presented at the 34th Annual Meeting of the Society for Political Methodology, Madison, WI. July 2017.

" 'Words Bag of' or 'Bag of Words?': Moving Beyond Unigrams in Topic Modeling." Paper presented at the Annual Meeting of the Midwest Political Science Association, Chicago, IL. April 2017.

"State and Regime in post-Soviet Central Asia." Poster presented at the Annual Meeting of the Midwest Political Science Association, Chicago, IL. April 2014.