

HANS LEONARD

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SUMMARY OF TECHNICAL SKILLS

Specialties	Microeconomics, Econometrics, Causal Inference, Predictive Modelling, Database Management, Data Visualization, Web Scraping
Computer Languages	Python, R, Java, JavaScript, Perl
Tools	MySQL Server, GIS, Stata, Excel, Jupyter Notebook, Emacs, Eclipse, PyCharm, Bitbucket, Apache SVN, Command Prompt, Bash, L ^A T _E X

PROFESSIONAL EXPERIENCE

Federal Energy Regulatory Commission, Washington DC July 2020 - Present
Economist and Expert Witness

- Provide written and live expert testimony in settlement cases and hearings before the Commission.
- Analyze and evaluate costs, rates, rate designs, and performance of electricity markets. Make recommendations to the Commission on matters being adjudicated under administrative law.
- Conduct empirical antitrust and market power assessments.
- Develop and maintain a comprehensive understanding of energy industry practices, regulatory and legal environment, standard data sets, and customer characteristics of domestic oil, natural gas, and electricity markets.

Temple University, Philadelphia PA September 2021 - Present
Adjunct Assistant Professor of Economics (Instructor of Record)

- Teach microeconomics; Assign and grade homework, tests, and papers; Hold weekly office hours.

University of Rochester, Rochester NY September 2014 - June 2020
Research and Teaching Assistant

- Lectured once a week on international relations and comparative politics; Assigned and graded homework, tests, and papers; Held weekly office hours.
- Transformed department computer lab into a behavioral economics lab in order to run live experiments written in Python on groups of up to 30 participants.
- Wrote and analyzed survey experiments fielded in the annual Americas Barometer survey.

Strategic Analysis Enterprises Inc., Arlington VA June 2008 - August 2014
Data Scientist

- Developed event coding features for a proprietary natural language processor.
- Extracted gigabytes of structured event data from terabytes of news and social media text.
- Fielded, trained, and led a team of 10 research assistants in the systematic collection of biographical information on over 12,000 political actors from 175 countries.
- Forecasted geopolitical anomalies in 150 countries with greater than > 90% sensitivity and specificity. Integrated these data and models into the DARPA-developed [ICEWS](#) decision support dashboard.
- Recruited, trained, and supervised two junior analysts.

EDUCATION

Ph.D. Political Science 2020, University of Rochester

- Graduate coursework in probability, econometrics, causal inference, optimization, and game theory.

B.A. Economics 2008 (*Magna cum laude*), College of William and Mary

The General Course 2006-07, London School of Economics