

September, 2015 – Present, San Jose, CA **ASSISTANT PROFESSOR OF POLITICAL SCIENCE**

SAN JOSE STATE UNIVERSITY

- Design surveys and experiments to learn about political attitudes and behavior in complex social systems, using cutting edge methodologies and statistical techniques.
- Use quantitative methodology to test a variety of hypotheses linking political institutions and financial policies
- Collaborate with data scientists to implement machine learning algorithms for analysis of political sentiment
- Write articles for peer-reviewed publications
- Lead initiatives to recruit and retain students from under-represented social groups

January, 2018 – June, 2018 Palo Alto, CA **DATA SCIENCE FELLOW**

Insight Data Science

- Collaborated with founder of an on-demand staffing company to understand business needs and frame problems
- Developed a variety of machine learning algorithms that predict human behavior
- Created a pipeline to collect, clean, visualize and statistically analyze the company's database
- Wrote reports shared with the management team and stakeholders
- Provided advise on qualitative data collection methods

September, 2013 – August, 2015 Edinburg, TX **ASSISTANT PROFESSOR OF POLITICAL SCIENCE**

UNIVERSITY OF TEXAS - PAN AMERICAN

- Designed longitudinal survey instruments, managed data collection, and maintained datasets for various quantitative studies
- Deployed field experiment and measured the effects of information flows on political behavior
- Conducted elite interviews and archival research in Mexico, Costa Rica and Uruguay
- Empirically evaluated the effects of political campaigns on voting behavior. Used results to write two grant proposals.
- Worked with multiple university administrators on internal evaluation initiatives

January, 2012 – July, 2013 Wayne, NJ **ASSISTANT PROFESSOR OF POLITICAL SCIENCE**

WILLIAM PATERSON UNIVERSITY

- Synthesized and integrated multiple data streams, including analytics, survey data, and ethnographic research, to insights that lead to a deeper understanding of voting behavior in cultural contexts
- Worked collaboratively with other scientists to develop new methodologies to model ordinal data
- Taught undergraduate and graduate classes in research methods for social sciences, survey and experimental design, and statistics

January, 2011 – December, 2011 New Orleans, LA **ASSOCIATE RESEARCH FELLOW**

CENTER FOR INTER-AMERICAN POLICY AND RESEARCH

- Created time-series-cross-sectional databases, and used advanced statistical techniques to test hypothesis on economic development
- Worked with management to develop a mid- and long-term strategic plan for the Center
- Lead small to medium-sized analytics projects that supported the Center's operations and decision-making

September, 1997 – August, 1999, Mexico City, MX **JUNIOR ECONOMIST**

CENTER FOR ANALYSIS AND ECONOMIC RESEARCH

- Participated in research and project design as part of core economics research team
- Built and managed multiple databases of macroeconomic indicators
- Forecasted economic indicators and created reports for stakeholders

EDUCATION Ph.D., Political Science, University of Notre Dame. MA, Political Science, University of Notre Dame University. MA, Economics, University of Pittsburgh. BA, Economics, ITESM.

SKILLS Quantitative Methods: Linear and non-linear models, Maximum Likelihood and categorical dependent variable models, Monte Carlo simulations, Bayesian models, survey sampling and design, predictive modeling.

Qualitative Methods: Survey research methods, questionnaire wording and design, focus groups.

Software: R, STATA, SPSS, Python, SQL, Matlab.

Survey Programming: Qualtrics, Survey Monkey.

Languages: English (Fluent), Spanish (Native)