

# Natasha N. Gaydos

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Department of Political Science  
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## POSITIONS HELD

Graduate Teaching Assistant, University of Iowa Department of Political Science (2018-present)

## EDUCATION

Ph.D. Political Science, University of Iowa (In Progress, 2018-2023)

*Fields:* American Politics and Political Methodology

B.A. Political Science, University of Illinois (2014)

## RESEARCH & TEACHING INTERESTS

Race and Ethnic Politics, American Politics, Political Sociology, Public Policy, Political Discussion, Public Opinion, Political Methodology and Research Methods

## HONORS & AWARDS

Ronald H. Filler Essay Award (2014), University of Illinois Department of Political Science

Charles E. Merriam Essay Award (2013), University of Illinois Department of Political Science

## WORKING PAPERS

"Free Market Parasitism: The Mediating Effects of Multinational Expansion on Elite Rent Extraction and Economic Inequality"

## TEACHING EXPERIENCE

### Teaching Assistant, University of Iowa

Introduction to the Politics of Race (Fall 2018)

Introduction to American Politics, Head TA (Spring 2019)

## RELEVANT COURSEWORK

### Introductory Methodology with Dr. Elizabeth Menninga

- Grade: A
- *Topics Covered:*
  - Data, Descriptive Statistics, & Data Visualization, Probability Theory and Distributions, Models & Inference for Binary Response Variables, Sampling (Validity, Reliability, I.I.D.) and Sampling Distributions, Point

and Interval Estimation, Hypothesis Testing and Statistical Inference, Basics of Linear Regression, Calculus, Matrix Algebra.

### **Intermediate Methodology with Dr. Julianna Pacheco**

- In Progress
- *Topics Covered:*
  - Simple Regression Analysis, Properties of OLS Estimators, Gauss-Markov Theorem & Hypothesis Testing, Multiple Regression Analysis, Nonlinear Models & Transformations of Variables, Specification of Regression Variables, Heteroscedasticity, Measurement Error, Binary Outcome Variables, Autocorrelation.

### **Computational Methods for Comparative Research with Dr. Fred Solt**

- Surveying, In Progress
- *Topics Covered:*
  - Research replication and applied data science (raw data collection, clearing and analysis), presenting data figures, identifying and addressing common methodological issues encountered in quantitative comparative research; Bayesian estimation of latent variables, computational approaches to the study to the dynamics of public opinion both within and across countries.

### **OTHER SKILLS**

Statistical Packages: Stata, R-Studio

Applications: common Windows database, spreadsheet, and presentation software, GitHub, RMarkdown

### **REFERENCES**

Rene Rocha  
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