TREY WOOD

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EDUCATION

Ph.D. Political Science, University of Kentucky   May 2023
- Fields: International Relations and Political Methodology
- Dissertation: *The UN-Intended Effects of Risky Mandates on United Nations Peacekeeping*
  - Analyzed over 1.5 million observations to investigate United Nations policy effectiveness

M.A. Political Science, University of Kentucky   May 2022
- Fields: International Relations and Political Methodology

B.A. International Studies, Covenant College   May 2019
- Dean's List Fall 2015 - Spring 2019 and Graduated Magna Cum Laude

Study Abroad, Trinity Christian College in Sevilla, Spain   Summer 2018
- Attained Spanish professional working fluency through coursework and an internship

PROGRAMMING LANGUAGES & SOFTWARE

Advanced: Python, R, STATA
Intermediate: Power BI, SQL (PostgreSQL), SAS
Beginner: Power Query, Git/GitHub, Geographic Information Systems (GIS), Tableau

WORK EXPERIENCE

University of Kentucky - Lexington, KY   August 2019 - May 2023
Primary Instructor
- Distilled complex political theories into concise lessons for 50-60 undergraduate students
- Trained 10 graduate students in advanced quantitative methods and statistical software

University of Kentucky - Lexington, KY   August 2022
STATA Orientation Leader
- Launched the first statistics boot camp for the University's Political Science Department
- Taught a cohort of first-year graduate students on intermediate STATA functionality

United Way of Greater Chattanooga - Chattanooga, TN   January - May 2018
Data Hub/Community Impact Intern
- Created GIS maps of Chattanooga neighborhoods and crime for community advocacy groups
- Informed city elected officials on Hamilton Country housing trends with GIS images

RESEARCH EXPERIENCE

University of Kentucky - Lexington, KY   August 2019 - May 2023
Graduate Researcher
- Produced over fifteen original quantitative research projects during intensive coursework
- Built and analyzed datasets with multiple modeling strategies in STATA and R

RESEARCH PROJECTS

Predicting Peacekeeper Deployments [GitHub] Geo-spatial estimation of local troop movements

United Nations Policy Consequences [GitHub] Assessment of mission mandate conditional effects

Respondent Intervention Opinions [GitHub] Survey analysis of United Nations conflict mediation

SKILLS

Data Visualization, Data Wrangling, Keras, LaTeX, Machine Learning, Matplotlib, Numpy, Pandas, PySpark, Quantitative Analysis, Regression Analysis, Seaborn, Spanish, Scikit-Learn, Tensorflow, XGBoost