

TREY WOOD

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🏠 302 Ridgeway Road, Lexington, KY 40502

EDUCATION	<p>Ph.D. Political Science, University of Kentucky May 2023</p> <ul style="list-style-type: none">• Fields: International Relations and Political Methodology• Dissertation: <i>The UN-Intended Effects of Risky Mandates on United Nations Peacekeeping</i><ul style="list-style-type: none">• Conducted analysis of 1.5 million observations to assess United Nations policy effects <p>M.A. Political Science, University of Kentucky May 2022</p> <ul style="list-style-type: none">• Fields: International Relations and Quantitative Political Methodology <p>B.A. International Studies, Covenant College May 2019</p> <ul style="list-style-type: none">• Dean's List Fall 2015 - Spring 2019 and Graduated Magna Cum Laude <p>Study Abroad, Trinity Christian College in Sevilla, Spain Summer 2018</p>
PROGRAMMING LANGUAGES & SOFTWARE	<p>Advanced: Python, R, STATA</p> <p>Intermediate: Git/GitHub, Power BI, SQL (PostgreSQL), SAS</p> <p>Beginner: Power Query, Geographic Information Systems (GIS), Tableau</p>
WORK EXPERIENCE	<p>Science Applications International Corp (SAIC) - Reston, VA (Remote) October 2023 - Present</p> <p><i>Data Scientist</i></p> <ul style="list-style-type: none">• Facilitated facial recognition algorithm evaluations for the Department of Homeland Security• Deployed cloud computing and statistical methods to deliver actionable security recommendations <p>University of Kentucky - Lexington, KY August 2019 - May 2023</p> <p><i>Primary Instructor</i></p> <ul style="list-style-type: none">• Condensed intricate political theories into succinct lessons for classes of 50-60 undergraduates• Taught graduate statistics to 10 students, covering advanced methods and statistical software <p>United Way of Greater Chattanooga - Chattanooga, TN January - May 2018</p> <p><i>Data Hub Intern</i></p> <ul style="list-style-type: none">• Generated GIS maps for Chattanooga neighborhood and crime data for community advocacy• Offered housing trend insights to Hamilton County officials through impactful GIS visualizations
RESEARCH EXPERIENCE	<p>University of Kentucky - Lexington, KY August 2019 - May 2023</p> <p><i>Graduate Researcher</i></p> <ul style="list-style-type: none">• Developed more than fifteen innovative quantitative research projects in rigorous coursework• Constructed and analyzed datasets using diverse modeling techniques in STATA and R
SELECTED PROJECTS	<p>Predicting Bourbon Availability with ML [GitHub] Forecast Buffalo Trace bourbon stock</p> <p>Local Peacekeeper Deployments [GitHub] Geo-spatial estimation of local troop movements</p> <p>United Nations Policy Consequences [GitHub] Assessment of mission mandate conditional effects</p>
SKILLS	<p>Data Visualization, Data Wrangling, Keras, L^AT_EX, Machine Learning, Matplotlib, Numpy, Pandas, PyS- park, Quantitative Analysis, Regression Analysis, Seaborn, Spanish, Scikit-Learn, Tensorflow, XGBoost</p>