

# TREY WOOD, PH.D.

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