Jessica Faye Draper

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EDUCATION

Sep 2017 – Oct 2019
MA Political Science, University of Mannheim · Mannheim, Germany
- Quantitative methods concentration; master's thesis utilized geospatial data and statistical methods to analyze airstrikes and conflict in Yemen

Aug 2012 – May 2016
BA Political Science, University of Arizona · Tucson, AZ, United States
- International relations concentration; graduated *summa cum laude*

TECHNICAL SKILLS

Programming Languages	R (advanced), JavaScript/jQuery (intermediate), Python (novice), PHP (novice), SQL (novice)
Software	RStudio (advanced), Microsoft Excel (advanced), STATA (intermediate), Adobe Photoshop, InDesign, and Illustrator (intermediate), Tableau (novice), QGIS (novice)
Quantitative Methods	OLS regression analysis, maximum likelihood estimation, matching/differences-in-differences, multilevel modeling, computational text analysis
Web Development	HTML and CSS (advanced), Drupal (advanced), WordPress (intermediate)
Other	GitHub/version control (advanced), Regex (intermediate), LaTeX (intermediate)

RESEARCH EXPERIENCE

Jan – May 2020
Research Intern, Center for International Policy · Washington, D.C.
- Worked on the Arms & Security Project and Foreign Influence Transparency Initiative. Compiled data on arms transfers to the Middle East, researched U.S. defense companies and the new ICBM program, and digitized and researched FARA documents related to Saudi and Emirati lobbying activities in the U.S. Created pivot tables and visualizations in Excel. Wrote an R script to scrape a web page and quickly identify specific donors to American think tanks.

Oct – Dec 2019
Research Intern, Peace Research Institute Frankfurt · Frankfurt, Germany
- Interned in the 'International Security' research department under the supervision of Dr. Niklas Schörnig. Assisted research related to cybersecurity norms, lethal autonomous weapon systems, arms control, and the Open Skies Treaty. Contributed content to the EU Non-Proliferation and Disarmament eLearning course. Completed own research project on national cyber defense strategies and produced descriptive statistics and visualizations in R.

Sep 2018 – July 2019	**Research Assistant**, Mannheim Centre for European Social Research (MZES), University of Mannheim · Mannheim, Germany

- Assisted on the project "Pre-Electoral Coalition Strategies" in the research department "European Political Systems and their Integration." Conducted comparative data collection on pre-electoral coalition signals across countries and time, data integration of various national election studies of interest, and media analysis of New Zealand newspapers related to the 1996 election and coding signals according to code book. Proofread scientific papers produced as part of the project.

Aug 2018	**Summer School in Computational Social Science on Conflict, participant**, Bremen International Graduate School of Social Sciences · Bremen, Germany

- Attended lectures and workshops on computational methods (such as agent-based modeling, topic modeling, spatial analysis) and conflict studies, in particular intrastate conflict. Conducted original research with coauthors on armed conflict and violence against civilians resulting in published book chapter (Salvi, Williamson, and Draper 2020)

PUBLICATIONS

Book Chapter

- Salvi, Andrea, Mark Williamson, and Jessica Draper. 2020. "On the Beaten Path: Violence Against Civilians and Simulated Conflict Along Road Networks." In Deutschmann, Emanuel, Jan Lorenz, Adalbert Wilhelm, Davide Natalini, and Luis Gustavo Nardin (eds.), *Computational Conflict Research.* Springer Nature.

PROFESSIONAL DEVELOPMENT & LEADERSHIP

May 2019	**Executive Training Seminar, participant**, Academy of Global Governance, European University Institute · Florence, Italy

- Attended three-day training seminar on the topic of European grand strategy

Mar 2018	**DataFest Germany, participant**, Ludwig-Maximilians-Universität · Munich, Germany

- Analyzed log data from a TÜV SÜD honeynet system to identify cyber-attacks and suspicious behavior in a friendly team competition

2012 – 2015	**President and Founder**, Secular Student Alliance at the University of Arizona, University of Arizona · Tucson, AZ, United States

- Organized social events, led weekly meetings and thoughtful discussions, scheduled guest speakers, engaged in community service and outreach

OTHER WORK EXPERIENCE

May 2016 – present	**Web Site Designer/Developer**, College of Humanities, Computing Services, University of Arizona · Tucson, AZ, United States

- Designed and developed Drupal websites and maintained web content for the college's various departments and units. Currently assisting with the migration from Drupal 7 to Drupal 9.

Nov 2020 – Apr 2021	**Contractor,** University of Texas Rio Grande Valley · Remote

- Developed R scripts to clean autogenerated WebVTT transcripts and recalculate timestamps. Created training materials on how to run the scripts for teaching assistants with no prior R experience.