Nathaniel Flemming

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EDUCATION

Ph.D., Political Science and Social Data Analytics   Expected May 2025
Metropolitan Fragmentation and Inequities in the Provision of Public Services
The Pennsylvania State University

M.A. Political Science   May 2022
The Pennsylvania State University

M.A. (Honors) Politics with Quantitative Methods (equivalent to B.A.)   June 2020
1st Class
The University of Edinburgh

TECHNICAL SKILLS

Programming: R, Python, STATA, Java, GitHub
Libraries: R (dplyr, ggplot2, stringr, tidyr, lme4), Python (NumPy, Pandas, Matplotlib, Scikit-learn, Selenium, Mesa)

RESEARCH EXPERIENCE

THE PENNSYLVANIA STATE UNIVERSITY, University Park, PA

Research Assistantships – Department of Political Science

Supervisor – Lee Ann Banaszak   **Fall 2021-Spring 2023**
- Guided and assisted the collection of data for a project examining how routine voter maintenance harms minority groups by removing them from voting rolls at disproportionately high rates
- Trained and managed undergraduate students collecting data, including creating a codebook
- Compiled state voter registration and voter roll maintenance procedures, researched state election official selection processes, and filed FOIA requests to obtain records of election officials

Supervisor – Christopher Witko   **Summer 2022**
- Created panel data sets to track interstate migration by using R to clean and reformat data from the ACS, the SIPP, and the PSID

Supervisor - Michael Nelson   **Summer 2021**
- Conducted a literature review and did data work for a study investigating the political costs of attacking courts
- Collected, cleaned, and coded sociodemographic information for State Supreme Court and Court of Appeals Judges using R

Supervisor - Michael Nelson   **Fall 2020**
- Obtained and cleaned data on COVID cases for the UK and Spain and merged them with survey data on political preferences using STATA and R to assess the political consequences of COVID case rates

THE UNIVERSITY OF EDINBURGH, Edinburgh, Scotland

Research Assistant – School of Social and Political Science   **Summer 2018**
Supervisor – Alexander Janus
- Helped write a research paper on the effect of social participation on the wellbeing of the elderly

- Used STATA to clean and process time use data on the social lives of the elderly and aided in research design

TEACHING EXPERIENCE

THE PENNSYLVANIA STATE UNIVERSITY, University Park, PA

Teaching Assistant - Quantitative Political Analysis, Suzanna Linn   **Spring 2021**
- Assisted in instructing an undergraduate class on quantitative analysis.
- Provided instruction; developed material for lectures and quizzes; graded assignments, tests, and quizzes; maintained regular office hours to provide academic support for students

THE UNIVERSITY OF EDINBURGH, Edinburgh, Scotland

Data Coach - *Students as Change Agents*   **2019-2020**
- Provided data usage and analysis training to help students participating in a university run thinktank tackle challenges based on the UN Sustainable Development Goals
- Mapped out project steps to structure the data collection and usage process and created and administered training materials to teach participants basic data skills in Excel

WORK EXPERIENCE

THE DEPARTMENT OF LABOR, Remote

Data Analytics Fellow – *Chief Evaluation Office*   **Summer 2023**
- Helped the EBSA gain an understanding of the insurance price files published under the Transparency in Coverage (TiC) rule and how to access and work with the data inside them
- Used Python to extract and perform basic analyses on requested data from large JSON files
- Wrote and delivered a brief and presentations to the DOL and the EBSA describing the data and its value and challenges, and offering recommendations improving its accessibility
- Reviewed and edited research briefs on black lung incidence and the employment of women and people of color in the construction industry for the MSHA and OFCCP

THE SCOTTISH GOVERNMENT, Edinburgh, Scotland

Intern – *Office of The Chief Statistician*   **Summer 2019**
- Researched the feasibility of small area estimation methods in the production of government statistics for small geographies
- Produced a report summarizing the findings and making recommendations about the use of different small area estimation techniques

AWARDS AND FELLOWSHIPS

Center for American Political Responsiveness Fellowship   **2023**
The Pennsylvania State University

Florence and Angelo Paterno Graduate Fellowship in the Liberal Arts   **2023**
The Pennsylvania State University

Carsey Award   **2022**
State Politics and Policy Conference

Outstanding M.A. Thesis Award   **2022**
The Pennsylvania State University

External Funding Incentive Award   **2021**
The Pennsylvania State University