Cody Little

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Education

University of Pennsylvania Philadelphia, Pennsylvania

Masters of Science in Social Policy GPA: 4.0 *Aug. 2019 – May 2020*

- *Social Policy and Practice Merit Scholarship Recipient*

York College of Pennsylvania York, Pennsylvania

Bachelor of Arts in Political Science GPA: 3.78 *Aug. 2015 – May 2019*

- *minor in American History*
- *Pi Sigma Alpha National Political Science Honor Society*

Technical Skills

- Statistical data analysis and machine learning using; R, Python, SPSS
- ArcGIS mapping software
- Survey development using Qualtrics software

Experience

Survey Research Intern at the Penn Child Research Center (04-2020) – Present

- Analyze data and develop analytic plans to create procedures for statistical methodology.
- Design data cleaning and analysis workflows for reproducibility using R.
- Build and deploy surveys using Qualtrics to guide evidence based policy research

Public Policy Intern at Arthur J. Glatfelter Institute of Public Policy (04-2017) – (05-2019)

- Co-author of the United Way of York County: 2017 York County Hispanic and Latinx Community Assessment focusing on barriers to access of social services by implementing a survey to the target population, analyzing the results, and making policy recommendations.
- Compile research reports and data for the purpose of public policy writing and analysis on a variety of state and local policy issues.
- Use data to communicate desired information to stakeholders through graphs, statistical analysis, and analytical writing.

Relevant Projects

Machine Learning and Natural Language Processing (Python) - *MSSP 608 Practical Machine Learning Methods*

- **Model Development:** Build a multistep machine learning pipeline for disinformation detection with binary and multiclass classification, optimize hyperperameters, and report results across various metrics.
- **Natural Language Processing:** Optimize feature representation through word embedding's, bag-of-words, lemmatization, and sentiment analysis for best results across metrics.

Statistical Modelling and Analysis (R) – *MSSP897 Applied Linear Modelling*

- **Linear Modelling:** Built an assumption corrected mediation effects model using multivariate linear regression exploring weekly wage disparities by gender in financial and technology industries while controlling for other variables, communicated results for comprehension to a non-technical audience.