MATT LAMPL

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Education

Carnegie Mellon University, Heinz College
Pittsburgh, PA | 2021 - 2023
M.S. Public Policy & Management - Data Analytics
Honors: Highest Distinction (GPA: 3.95)

Pennsylvania State University
State College, PA | 2013 - 2017
B.S. Information Science and Technology
Minors in Geography and International Studies

Technical Skills & Areas of Expertise

Programming:	**Python** (*pandas, numpy, scikit-learn, spacy, gurobi, matplotlib, seaborn*), **R** (*ggplot, dplyr, tidyverse, R Shiny*), **SQL** (*Oracle, Postgres, MySQL, Snowflake*)
Data Science:	**Machine Learning** (*regression, classification, clustering, time series analysis*), **Statistics, Econometrics, Data Mining, Optimization**
Visualization & BI:	**Power BI, Tableau, Microsoft Excel**
Geospatial Analysis:	**ArcGIS Pro, QGIS, geopandas, sf**
Collaboration Tools:	**GitHub, GitLab**

Professional Experience

University of Pittsburgh Medical Center – Division of Health Economics Pittsburgh, PA

Senior Strategy Consultant ***September 2025 – Present***
Strategy Consultant ***August 2023 – September 2025***

- Architected an advanced Power BI reporting suite utilizing complex DAX measures and multi-source data integration to pinpoint critical key performance indicators, serving as a primary analytical tool for 50+ departmental leaders.
- Built an interactive mapping tool using ArcGIS, R, python, and Power BI to visualize socioeconomic risk at multiple geographic scales, supporting data-driven policy interventions.
- Created an executive and clinician facing dashboard for a major home health initiative, integrating automated SQL workflows to deliver accurate, up-to-date insights for strategic and operational use.
- Developed and maintained a suite of health equity dashboards, blending GIS and statistical analyses to highlight key health disparities across populations and regions.

City of Pittsburgh – Department of City Planning Pittsburgh, PA

Data Analyst – Food Policy (Graduate Internship) ***June 2022 – August 2022***

- Built a Healthy Food Priority Areas dashboard in R Shiny to track neighborhood food access trends and support policy evaluation.
- Applied regression analyses to identify key drivers of food insecurity informing strategy for the Office of Sustainability.

Accenture – Technology Division Chicago, IL

Technology Architecture Delivery Senior Analyst ***December 2019 – June 2021***
Technology Architecture Delivery Analyst ***September 2017 – December 2019***

- Engineered a data catalog of application interfaces across 200+ internal/external systems, improving integration during a Fortune 500 acquisition and divestiture.
- Partnered with developers to automate user access workflows through Microsoft Azure Enterprise Sign-On, reducing manual onboarding effort and improving security compliance.
- Optimized automated data processes supporting buyer order fulfillment at a major consumer goods company.

Projects

Transportation Equity, Mobility Justice, and Bikesharing in Pittsburgh ***May 2023***

- Developed a three-phased statistical optimization model to improve bikeshare network accessibility and ridership, with a focus on equity.
- Cleaned and ingested datasets from ridership data and US Census for statistical modeling, identifying 30 optimal new station locations that were presented to project stakeholders for potential implementation.

Spot the Bot – Twitter Bot Detection Algorithm ***May 2023***

- Developed classification system achieving 75% accuracy in detecting twitter bot accounts, combining profile-based, network-based, and tweet-based approaches on 1.4M+ Twitter records.
- Implemented GloVE embedding pipeline for usage in developing a Deep Learning model trained on real twitter data.

Reducing Recidivism Through Proactive Mental Health Interventions ***December 2022***

- Built machine learning pipeline to identify top 100 individuals at highest risk of recidivism using a temporal validation method, with the goal of providing proactive mental health services.
- Conducted fairness audit examining false discovery and true positive rates across protected groups (race, gender, mental health status) to ensure equitable model predictions.