Richard Jacob Applin

https://rjapplin.github.io | Jacob.Applin@outlook.com | (270) 893-3677 | Georgetown, KY

WORK EXPERIENCE

Data Analyst, **(Confidential – Will Disclose Upon Request)**   *April 2023 – Present*
- Working as a data analyst collecting, integrating, and analyzing performance and learning data to assess the impact of learning and development initiatives
- Earned an Excellence in Business Impact reward for regression analysis linking job performance to confidence that leaders used to justify expansion of pilot programs designed to increase new-hire confidence
- Advised on the rollout of several pilot programs to assure proper randomization and ultimately enable A/B like testing to provide business leaders credible evidence of impact
- Mentored an intern throughout an analytics project, including providing guidance on writing REST APIs for various platforms, data wrangling in Python and SQL, and designing presentations of results for leaders
- Delivered upskilling session to team members on various machine learning and statistical algorithms, including KNN, KMC, and regression to boost the team's data capabilities

Graduate Assistant/Instructor, University of Kentucky   *August 2019 – May 2023*
- Worked as a graduate assistant providing research and teaching support to the economics department
- Collected and aggregated data on COVID-19 policies concerning public schools to support economic research investigating the impact of the pandemic on student performance
- Taught various economics and business statistics courses both online and in person and received evaluations that consistently outperformed department averages

EDUCATION

Ph.D., Economics, University of Kentucky   *August 2019 – Present (Expected: Spring 2025)*
- GPA: 4.0
- Relevant Courses: Research Methods, Econometrics/Statistics, Causal Inference
- Engineered an SQLite database out of 8,000 raw CSV files to enable easy extraction and analysis of Inside Airbnb data for dissertation purposes
- Used SQL to process and prepare hundreds of millions of rows of raw data for demand estimation models

M.A. Economics, Western Kentucky University   *August 2017 – May 2019*
- GPA: 4.0
- Relevant Courses: Big Data Methods, Statistical Methods, Forecasting
- Named Outstanding Graduate Student

SKILLS

Programming Languages:	SQL, Python (SciKit, XGBoost, Pandas), R (Tidyverse), SAS
Statistical Methods	Linear/Logistic Regression, Clustering, K-Nearest Neighbors, Decision Trees
Tools and Platforms:	AWS, Snowflake, Tableau, VSCode, Github