JACOB PIENIAZEK

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PROFILE

Passionate data scientist with a robust experiential skillset concentrated in econometrics/causal inference, statistical/machine learning, mathematical optimization, python, and package development & deployment.

EDUCATION

Miami University – Farmer School of Business Oxford, OH
M.A. Economics August 2022
Cumulative GPA: 4.00

- Full Graduate Assistantship: (20 hrs/wk) Teaching, research, and administrative work

University of Dayton - School of Business Administration & College of Arts and Sciences Dayton, OH
B.S. Business Economics & Applied Mathematical Economics May 2021
Summa Cum Laude, Honor's Diploma, Cumulative GPA: 3.92

- E. B. O'Leary Award of Excellence to the Outstanding Senior Majoring in Economics
- Mathematics Teaching Assistant (2018-2021)
- *Honor Societies*: Pi Mu Epsilon, Omicron Delta Epsilon, Beta Gamma Sigma

Relevant Coursework: *Econometrics* | *Advanced Economic Theory* | *Linear Algebra* | *Multivariate Calculus* | *Probability & Statistics* | *Applied Time Series Analysis* | *Real Analysis*

APPLIED ANALYTICAL EXPERIENCE

84.51° Cincinnati, OH
Data Scientist June 2022-Present

- Developed & maintained automated CI/CD measurement/uplift pipeline in python for enterprise campaigns via advanced data pipelining, experimental design, & econometric techniques
- Drove measurement excellence across enterprise via engagement in educational efforts to democratize econometric techniques and bridge the conceptual gap between predictive modeling & causal inference

Flyer Consulting Dayton, OH
Consultant (Data Specialist/Analyst) Fall 2019-Spring 2021

- Analyzed and improved the data collection, management, and analysis processes for a nonprofit organization in which findings were presented to the CEO and the board

SKILLS/TECH STACK

Advanced: *Python (Data Science & Development Ecosystem)* | *Azure Databricks* | *Apache Spark* | *VS Code* | *Git* | *Statistical/Machine Learning* | *Econometric/Causal Inference* | *Mathematical Modeling & Optimization* |

Intermediate: *Linux* | *R* | *STATA* | *SQL* | *Power BI* | *Artificial Intelligence* | *Web Development* | *Data Engineering*

RESEARCH & FORMAL PROJECTS

High, But Not Happy? The Impact of Cannabis Consumption on Mental Health 2022

- Master's thesis investigating the causal impact of cannabis legalization on cannabis consumption and mental health

Particulate Happiness: How Air Pollution is Affecting Our Mental Health 2021

- Econometric research paper estimating the causal impact of air pollution on mental illness

Binomial Tree Model: Pricing European and American Stock Options 2021

- Mathematical modeling project developing an algorithm for pricing stock options and understanding their behavior