

# JACOB PIENIAZEK

Cincinnati, OH ▪ (443) 994-2344 ▪ jakepzak@gmail.com ▪ www.jacobpieniazek.com

## CAREER OBJECTIVE

---

Economics Master's student with econometric/statistical modeling, data science, and machine learning experience seeking to advance career and acquire further knowledge in fields relating to data science, econometrics, and statistical learning.

## 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)
- Study Abroad: (Summer 2019) Dayton Faculty-Led: Business in London and Dublin
- Honor Societies: Pi Mu Epsilon, Omicron Delta Epsilon, Beta Gamma Sigma

**Relevant Coursework:** *Advanced Empirical Methods | Applied Time Series Analysis | Econometrics | Advanced Microeconomic (& Macroeconomic) Theory | Game Theory | Probability & Statistics I, II*

**Relevant Skills:** *Python | R | STATA | MATLAB | SQL | Tableau | Machine Learning | Time Series Modeling | Econometric Methods | Mathematical Modeling & Optimization | Microsoft Office Suite*

## APPLIED ANALYTICAL EXPERIENCE

---

**84.51°**

Cincinnati, OH

*Data Scientist*

Forthcoming

**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
- Implemented a Customer Relationship Management (CRM) system and merged siloed databases for a nonprofit organization

**Sage Policy Group, Inc.**

Baltimore, MD

*Research Intern*

Summer 2018

- Conducted literature reviews for the CEO for use in economic and policy consulting
- Improved ability to compile, analyze, interpret, and evaluate empirical research

## 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