

Benjamin O. Harrison

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Bio!

Benjamin O. Harrison is a second year PhD student in Economics at Emory University. His research interests include Econometrics, Time Series Analysis, Causal Inference, and Machine Learning. He is currently working on novel approaches to modeling dynamic treatment effects in a high dimensional panel data setting.

Education

- **Emory University**, PhD Economics Aug 2023 – May 2028
 - **Coursework:** Macroeconomics, Monetary Economics, Econometrics, Time Series Econometrics, Causal Inference, MEasure Theory, Computational Economics, etc.
- **Erasmus Mundus Joint master's degree:** Quantitative Economics Economics. Sept 2021 – July 2023
Partner Universities: *Université Paris 1 Panthéon-Sorbonne, Université catholique de Louvain, Universitat Autònoma de Barcelona, Università Ca'Foscari Venezia, Warsaw School of Economics.*
 - GPA: 30/30 cum laude
 - **Coursework:** Time series Econometrics, Microeconometrics, Bayesian econometrics, Game Theory, Advanced Macroeconomics, Agent-Based Modeling, etc.
- **University of Ghana**, BA Economics and Mathematics Aug 2016 – May 2020
 - GPA: 3.75/4.0 Transcript
 - **Coursework:** Linear Algebra, Real Analysis, Abstract Algebra, Topology, etc.

Research Experience

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| Emory University
Research Assistant: | Atlanta, GA |
| ◦ Prof Elena Pasevento – Nonparametric Local Projections. | Fall 2024 |
| ◦ Prof Pedro H.C Sant'Anna | Fall 2024 |
| ◦ Prof. Alejandro S'anchez-Becerra – Robust Treatment Effect with ML. | Summer 2024 |
| Ca'Foscari University
Research Intern: Venice Centre in Economics and Risk Analytics (VERA) | Venice, Italy |
| ◦ Prof Domenico Sartore – Cointegration GARCH Model | Spring 2023 |
| University of Ghana
Research Assistant | Accra, Ghana |
| ◦ Prof. Abena Oduro | Spring 2021 |

Teaching Experience

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| Emory University
Teaching Assistant: | Atlanta, GA |
| ◦ <i>Econometrics Methods I</i> (PhD level) | Spring 2025 |
| Ca'Foscari University
Teaching Assistant: | Venice, Italy |

- *Advanced Microeconomics* (Grad school level)

Fall 2022

Summer Programs & Other Certifications

- **Network Econometrics**, Venice center in Economic and Risk Analytics – Ca'Foscari University of Venice. June 2022 – July 2023
- **Bayesian Multivariate Models and Forecasting in Economics**, Venice Center in Economic and Risk Analytics – Ca'Foscari University of Venice. June 2022 – July 2023
- **Spatial Health Econometrics**, Venice Center in Economic and Risk Analytics – Ca'Foscari University of Venice. June 2022 – July 2023
- **Bloomberg Market Concepts: Financial Markets and trading.** Spring 2023
- **International Monetary Fund (IMF)**: The IMF Fund challenge competition. Summer 2019

Awards and Honors

- 2023: Laney Graduate School scholarship
- 2023: Guido Cazzavillan Award for Best Masters Thesis
- 2021: Erasmus Mundus Scholarship for masters program.

Projects

- Built a simple MATLAB App that solves the Markowitz Portfolio Optimization model using Machine learning Techniques
- Participant in the Bloomberg Global Trading Challenge in which we developed trading strategies using Back-testing techniques and VAR models.
- Created and built a user-friendly shipping platform for small businesses using Python. In this case, the user inputs the necessary information about the product being shipped and we generate the cost of the shipping.
- Participant in the IMF Challenge 2020: we perform a comprehensive diagnostic economic analysis of the Turkish economy by observing structural reforms and others.

Additional Certification And Awards

Erasmus Mundus Scholar

Bloomberg Market concepts: Financial Markets and trading.

Technologies

Languages: MATLAB, R, Python, Github, Julia.

Reference

Upon Request.