

Adam Leo Patterson

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Education

University of Connecticut, Storrs, CT

Doctor of Philosophy, Agricultural and Resource Economics

Coursework: Consumer Demand Analysis, Doctoral Dissertation Research

Central Connecticut State University, New Britain, CT

Master of Science, Data Science

Coursework: Multivariate Statistics, Introduction to Data Science

University of Connecticut, Storrs, CT

Master of Science, Quantitative Economics, December 2020

Coursework: Machine Learning for Economists, Applied Econometrics I, Applied Econometrics II, Open Source Programming with Python, Programming and Computation with R for Economists, Mathematical Economics, Operations Research, Panel Data Econometrics

University of Connecticut, Storrs, CT

Bachelor of Arts, Economics, May 2019

Coursework: Econometrics I, Economic Forecasting, Money and Banking, Financial Accounting, International Finance, Public Finance, Statistics I, Statistics II, Mathematical Economics, Operations Research, Economic Growth, Economic Development, Healthcare Economics, Applied Linear Algebra, Transitions to Advanced Mathematics

Skills

Computer: Python, R, SQL, STATA, Microsoft Excel Analytic Solver

Statistical: Machine Learning, Deep Learning (KNN, NN), LDA, PCA, K-Means Clustering, Random Forests, Decision Trees, Linear Regression, Multiple Regression, Logistic Regression, LASSO, Support Vector Machines, Ridge Regression, Hypothesis Testing, Recursive Feature Selection, Bootstrapping, Regularization, Double Machine Learning, Natural Language Processing

Field: Econometrics, Data Analysis, Classification, Prediction, Feature Selection, Equity Derivatives, Equity Markets, Foreign Currency Markets, Data Mining, Panel Data, Optimization

Related Experience

University of Connecticut, Department of Economics, Storrs, CT

Teaching Assistant / Research Assistant, December 2019 – Present

ECON 2447 Economics of Sports: Winter 2020, Spring 2020, May 2020, Summer 2020, Winter 2021, Spring 2021, May 2021, Summer 2021

ECON 1201 Principles of Microeconomics: May 2020

ECON 2311Q Econometrics I: Summer 2020

- CITI certified in Human Subjects Research; Record ID – 34492932
- Collect, organize, analyze, and report data from Randomized Control Trials conducted during the semester
- Assist in the writing and publication of research
- Working Paper: “Using Fantasy Baseball to Teach Economic Concepts” Presented at 90th annual SEA and CTREE 2021. Poster Presentation at ASSA 2022
- Assist in preparing mid to long term course curriculum
- Generate Final Exam and Midterm questions
- Facilitate learning through on-line instruction mode since December 2019

University of Connecticut, Department of Agricultural and Resource Economics, Storrs, CT

Graduate Research Assistant, August 2020 – Present

- Marvin W. Kottke Scholarship – Fall 2021
- Working Paper : “Assessing the Burden of a Global Pandemic : Evidence from China”
- Working Paper : “Agricultural Effects of Unconventional Oil and Gas Development : A Machine Learning Approach”

Graduate Teaching Assistant, August 2020 – Present

ARE 4462 Environmental and Resource Economics: Spring 2021