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Ryan Mitchell

Summary of Skills

- Proficient in R, SQL, STATA and Tableau from numerous Applied Econometric Research projects
- Knowledge of machine learning methods, particularly neural networks, from extensive use in my PhD research
- Start to finish research experience on multiple Applied Econometric projects using large complex datasets
- On camera presenting experience from my YouTube channel 'Ryan the Economist', covering current Economic and Financial events
- Strong in-person presentation skills developed from teaching and delivery of complex quantitative research in a precise way
- Enhanced communication, written and organization skills from teaching large classes of university students
- Strong drive, dedication and ability to make solid decisions in a fast and detail oriented individual and team environment
- Ability to work well with others shown when representing Great Britain at the World Rowing Championships

Education

University of Washington, Seattle, WA

- Ph.D. student, Econometrics and Quantitative Economics, degree expected June 2021
- Fields: Applied Econometrics – Time Series
- MA, Economics, 2017

University of Bristol, Bristol, United Kingdom

- BS, Economics, *First Class Honors*, 2015
- Graduated top in the Economics, Finance and Management School

Relevant Experience

Amazon, Seattle, WA. July 2019 - December 2019
Internship – Economist, Topline Forecasting
- Implemented a real time structural break monitoring system for key weekly time series for Amazon decision making
- Rich high dimensional data allowed for the use of Bayesian methods on panel data, improving on existing models
- Presented the project to a large audience, including many Amazon Senior employees with tech and non-tech backgrounds

Applied Econometric Research Projects, September 2017 - Present
PhD Dissertation: University of Washington
- Forecasted and Nowcasted US + Canadian recessions in real time with high frequency financial and macro data using R
    - Implemented a mixed frequency probit model as well as machine learning techniques (neural networks)
    - Examine bond, stock, exchange rate markets and real indicators as leading predictors of recessions
- Forecasted and Nowcasted OECD countries GDP growth using daily financial data, and monthly and quarterly macro data, in R
    - Built a data pipeline to pull thousands of data series from the internet and automatically update on a weekly basis
    - Compared machine learning (neural networks) with mixed frequency regression methods

Blackrock, London, United Kingdom. June 2014 - August 2014
Summer Internship, Investments - Securities Lending Strategy
- Worked on strategy projects targeted at Asset Management Competitor analysis
- Led a team that managed a client equity portfolio targeted at value stocks and presented to Senior Managers
- Estimated potential revenue if Blackrock expanded Securities Lending into new emerging markets

Teaching Experience

University of Washington, Seattle, WA. September 2015 - Present
Graduate Instructor and Teaching Assistant, Foster School of Business and Department of Economics
- Lead weekly face to face and video conference sessions to teach and review lecture materials
- MBA Courses Taught: Big Data, Operations Management, Statistics, Project Management for Supply Chain
- Undergraduate Courses Taught: Managerial Economics, Introduction to Macroeconomics, Introduction to Microeconomics