

David Bradley Ph.D.

☎ +1 (612) 205 7800 • ✉ davidby332@gmail.com • 🌐 www.bradlecon.com

Citizenship: U.S. Permanent Resident & U.K. Citizen

Education

University of Minnesota

Minneapolis, MN

PhD Economics

2013–2019

- Created quantitative models to predict the effects of changing immigration policy on labor markets and U.S. fiscal policy.
- Utilized econometric methods to analyze and estimate workers' substitutability by educational attainment and country of education using large scale census data from IPUMS.
- Developed custom optimization methods to reduce the run time of the model central to my thesis from 22 hours to under 2 minutes allowing for more in depth policy analysis.

University of Minnesota

Minneapolis, MN

MA Economics, 3.4 GPA

2013–2016

- Identified and forecasted the main drivers of the U.S business cycle using time series data.
- Analyzed cross-country data and performed statistical analysis to understand the linkages between international trade flows and fiscal policy.
- Completed extensive coursework in both cross section and time series econometrics, computational methods and trade economics.

University of Manchester

Manchester, England

BS Economics with Econometrics and Finance, 1st Class Honors Degree

2010–2013

- Ranked in top 1% of class and received the Dean's Achievement Award.
- Completed extensive coursework in econometrics with applications to finance.

Experience

Analysis Group

Boston, MA

Associate - Health Care Litigation and Data Science

2019–Present

- Managing teams of one to three analysts in building models using large scale patient claims data to understand pharmaceutical markets as part of healthcare litigation.
- Building econometric models to analyze the effects of illegal physician advertising on prescribing resulting in a reduction in damages to our client of 96%.
- Collaborating on data science projects using NLP to analyze the similarity of patents by rival pharmaceutical companies.
- Incorporating data from APIs into interactive dashboards to successfully help clients understand opioid prescribing across states and time.
- Developing machine learning training materials in Python and R.

University of Minnesota

Minneapolis, MN

Lead Instructor for Principles of Macroeconomics

2014–2019

- Collaborated and leading a team of 15 teaching assistants and instructors to create learning resources.
- Communicated these learning resources to over 700 students through seminars, lectures and online learning.
- Received the Distinguished Instructor Award 10 times, for obtaining a rating above 90

Analysis Group

Washington, D.C.

Summer Associate Consultant

2017

- Provided theoretical analysis of monopolies in the technology industry as well as the interaction of firm structure and tax liability.
- Communicated the findings of these projects to upper level management and clients.

Economic Development Fellows Program at the University of Minnesota

Minneapolis, MN

Consultant

2017

- Provided statistical analysis and forecasts of future sales as part of pro-bono consulting services to a Minneapolis based medical device company to help complete the commercial section of a grant application.

Skills

Coding: Python, R, Matlab, STATA, SQL, SAS, RShiny, RMarkdown, Dash, AWS, Google Cloud Platform

Certification: Coursera: Google Cloud Platform Big Data and Machine Learning Fundamentals

Languages: English - Native, French - Advanced, Spanish - Basic

Leadership

Royal Air Force

Formby, England

Officer Cadet

2010–2012

- Led expeditions for 30 cadets to Scotland and Wales to learn snow survival and outdoor pursuits skills.