

# Adam Baybutt

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## Education

2018-	PhD in Economics, UCLA
2018-2020	MA in Economics: Finance and Econometrics, UCLA
2016-2017	Advanced Study Program in Econometrics, Massachusetts Institute of Technology (MIT)
2011-2012	MS in Biomedical Engineering: Neuroengineering, University of Southern California (USC)
2008-2012	BS in Biomedical Engineering, minor: Business, USC
2011	Semester Abroad in Bioengineering, National University of Singapore

## Research

### WORKING PAPERS

[Model Assisted Inference for Conditional Average Treatment Effects with High Dimensional Controls \(w/ Manu Navjeevan\)](#)

### IN-PROGRESS

Deep Learning in Crypto Asset Pricing  
Competing Fiat Monies and Nominal Rigidities (w/ [Basil Halperin](#))  
[Monetary policy, asset prices, credit, and the real economy \(w/ Jesper Bojeryd\)](#)

## Professional Experience

### EMPLOYMENT

2021	PhD Summer Intern in Investment Strategy, Dimensional Fund Advisors · Built machine learning (ML) models (e.g. GBDT, neural nets) to inform investment strategy research.
2019	Research Fellow, Y Combinator Research · Collaborated with Sam Altman to articulate directions for crypto research and startups. · Consulted on a randomized controlled trial (RCT) of US-based basic income.
2016-2018	Research Associate, MIT · Built GBDT models in Medicare data. <a href="#">RA for QJE by Obermeyer and Mullainathan.</a> · Analyzed healthcare delivery RCTs led by Kate Baicker and Amy Finkelstein. <a href="#">RA for NEJM paper.</a>
2015-2016	Biostatistician, Cepheid · Designed and analyzed molecular diagnostic clinical trials for (FDA) regulatory registration.

- 2014-2015 Program Manager, Cepheid
  - Led and managed product development teams for oncology molecular diagnostics.
- 2012 Engineering Co-Op, Abbott Laboratories – Abbott Medical Optics
- 2012 Engineering Intern, Abbott Laboratories

#### REFEREEING

- 2020 Review of Economic Dynamics

#### AFFILIATIONS

- 2020-2021 Research Scholder, Ziman Center for Real Estate, UCLA
- 2011 The BioRC Biomimetic Real-time Cortex Project, Undergraduate Researcher, USC
- 2010 Undergraduate Research Engineer, Center for Neural Engineering, USC
- 2010 Summer Research Intern, Medical Device and Development Facility, USC

### Teaching

- 2019- Teaching Assistant, UCLA
  - Probability and Statistics for Econometrics (PhD)
  - Machine Learning and Big Data for Economists (Masters)
  - Exchange Rate Forecasting, Big Data, and Portfolio Design (Masters)
  - Machine Learning (Masters)
  - Computational Finance and Data Analysis for Financial Engineering (Undergraduate)
  - Introduction to Econometrics (Undergraduate) (x2)
  - Investments (Undergraduate)
  - Intermediate Microeconomics (Undergraduate)
- 2018- Course Leader, Emeritus Institute of Management
  - Applied Artificial Intelligence, Columbia University
  - Applied Machine Learning, Columbia University (x4)
  - Python for Data Science, Columbia Business School
  - Python for Managers, Columbia Business School (x6)
  - Blockchain to Business: Beyond the Hype, Columbia Business School
- 2012 Teaching Assistant, USC
  - Introduction to Biomaterials and Tissue Engineering

### Accepted Financial Awards

- 2021 UCLA Graduate TA Award (voted top TA for graduate courses by department)
- 2021 MIT Shultz Fund (w/ Basil Halperin)
- 2020-2021 UCLA Ziman Center for Real Estate Grant (w/ Jesper Bojeryd)
- 2020-2021 Institute for Humane Studies – Humane Studies Fellow
- 2020 UCLA Economics departmental teaching award for: Excellence in Remote Learning
- 2020 UCLA Centennial Fellowship
- 2018-2020 UCLA Graduate Dean Scholar Award
- 2019 Cato Institute’s Alternative Money University
- 2018-2019 UCLA University Fellowship

2016–2017 MIT Advanced Study Program  
2008–2012 USC University Grant

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