

# Cameron Nicholas Taylor

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Citizenship: US

## Education

Stanford Graduate School of Business

September 2017 – Present

PhD Student in Economics, Adviser: Rebecca Diamond

Coursework: Advanced econometrics and machine learning, game theory and market design, industrial organization, labor economics

Teaching: Designed and taught 4-day econometrics bootcamp for Stanford GSB Research Fellows (2019-2021), Course Assistant for PhD Econometrics I, MBA Personnel Economics, MBA Data and Decisions (Intro Econometrics / Data Science)

University of Chicago

September 2013 – June 2017

BA Economics (Honors), BA Statistics

Honors and Awards: Phi Beta Kappa, Becker-Friedman Institute Award for Academic

Achievement in Microeconomics (Top 2 Undergraduate in Microeconomics)

## Experience

Facebook (Core Data Science), Research Intern

June 2020 – January 2021

- Research on Facebook impact on economic opportunity using SQL, R, Python and Airflow

AQR Capital Management, Research Intern

June 2016 – August 2016

- Research on time series momentum in exotic futures contracts using Python

## Research Projects

*Foster Families, Group Homes, and Foster Child Outcomes*

Abstract: Estimate causal effect of foster families vs. group home on child outcomes using instrumental variables in R. Estimate model of how families decide which foster children to care for and simulate policies to improve foster child outcomes.

*Deep Learning for In-Game NFL Predictions*

Abstract: Use convolutional neural nets and transfer learning with 1,000 hand-collected images of NFL games combined with in-game features to predict the outcome of a single play using pandas, scikit-learn and TensorFlow.

*Information Goods*

Abstract: Analyze a stylized mathematical model of information acquisition to understand optimal firm recruiting and information gathering using tools from the information design literature.

*Targeting Skills in Education Interventions*

Abstract: Analyze how policymakers can optimally target skills in education through mathematical model and test theoretical implications using OLS models in labor market data in R.

*Fostering Children*

Abstract: Propose and test a decision-theoretic model of how families decide to be foster parents. Structurally estimate model parameters and quantify mechanisms in R using instrumental variable and OLS models.

*Are superstars worth their pay? Evidence from Hollywood*

Abstract: Scrape and organize over 50 years of film data using Python to estimate causal effects of actors on a film's success using panel data and difference-in-difference / synthetic control models.

*Information and Risky Behavior: Model and Policy Implications for COVID-19*

Abstract: Study a theoretical contagion model where a policymaker tries to minimize disease spread and can release information about the health status of individuals. Show that contagion can increase when more information is released.

## Coding Skills

Proficiency: R, Python (pandas, scikit-learn, TensorFlow), SQL, LaTeX, Git / Version control

Experience/Beginner: Scala, Matlab, STATA, HTML