

JORDAN HOLBROOK

The University of Houston
Department of Economics
Houston, Texas 77206

Email: jcholbrook@uh.edu
Website: jordanholbrook.github.io
Code Repository: github.com/jordanholbrook

Education

Ph.D. Economics	2025 (Expected)
<i>University of Houston</i> – Houston, Texas	
Bachelor of Science: Mathematics & Economics	2020
<i>Brigham Young University</i> - Provo, Utah	

Skills

Research Areas: Applied Microeconomics, Labor Economics, Health Economics

Statistics: Regression Modeling, Times Series Forecasting, Causal Inference, Structural Estimation

Programming Languages: Python, Matlab, Stata, C++

Data Science: Machine Learning (Supervised), Web Scraping, Regex

Experience

Doctoral Researcher	2022 - 2023
<i>Humana Integrated Health System Sciences Institute & UH College of Medicine</i> – Houston, Texas	
<ul style="list-style-type: none">Applied random effects mixed logit regression model to electronic medical records to identify how telemedicine use changes in response to COVID-19 risk among older adult patient sampleEvaluated differential hospital treatment of readmitted patients after the Hospital Readmission Reduction ProgramIdentified systemic error in patient appointment data reporting for 56 Federally Qualified Health Clinics in TexasCoordinate team of research assistants to complete research objectives of the UH college of medicine	
Data Consultant Research Assistant	2020 - 2022
<i>University of Houston Department of Economics</i> – Houston, Texas	
<ul style="list-style-type: none">Used machine learning models, sorting, and filtering algorithms to identify US based publication companies in dataset of 10 million machine readable text files and built ‘big data’ dataset for labor economistsExamined publication industry for evidence of gender discrimination among top 1% of producers in industryDecomposed publication times series data into within sector growth and between sector growth	
Health Economics Research Assistant	2019 - 2020
<i>Brigham Young University Economics Department</i> – Provo, Utah	
<ul style="list-style-type: none">Conducted counterfactual policy simulations for changes in organ distribution policy and its effect on welfareComputed the value of a new organ donor registrant for every US state using a conditional probability modelCreated machine learning model to predict the number of days a patient would be on the organ donation transplant waiting list based on demographic, geographic, and health characteristics with 92% accuracy	

Peer Reviewed Publications

- Predictors of Participation in Telephone-Based Social-Connectedness Interventions for Older Adults** (with Dr. Omolola Adepoju) (Feb 2023) Under Review
- Estimating the Effect of Focused Donor Registration Efforts on the Number of Organ Donors** (With James Cardon and Mark Showalter) (Nov 2020) *Public Library of Science (PLOS ONE)*.

Grants and Awards

Henry Graham Economics Fellowship (2020, 2021, 2022), Director of Graduate Studies Research Grant (2022)
Graduate Studies Fellowship (2020-2022), Steele Reese Memorial Foundation (4 yrs), Walter U Fuhriman Scholarship (2018-2019), BYU Academic Scholarship (3 yrs), BYU National Honor Society Member- Phi Eta Sigma