

# Benjamin T. Pirie

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## Education

Ph.D. Economics, <b>University of California, Los Angeles</b> (UCLA)	June 2025 (Expected)
M.A. Economics, <b>University of California, Los Angeles</b> (UCLA)	2022
B.A. Economics, <b>University of California, Berkeley</b> (UCB)	2018

## Professional Experience

<b>Economist Intern, Amazon</b> , Seattle, WA	Summer 2024
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- Used causal inference tools, including regression discontinuity methods, to estimate customer delivery speed preferences within the Worldwide Grocery Stores business
- Wrote scripts to regularly reestimate these parameters to evaluate the tradeoff of hiring more warehouse labor vs. losing orders due to longer promise times at specific locations and times of day
- Wrote technical and non-technical reports to present my findings to various finance, operations, and science teams

<b>Research Analyst, The Brattle Group</b> , San Francisco, CA	2018–2020
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- Conducted regression analysis, data wrangling, and data cleaning for expert testimony in support of various high-profile litigation matters
- Trained new analysts in R and SQL
- Prepared literature reviews and gathered research on a variety of industries

## Research

In my research I use large data sets with spatial information to explore how the location decisions of households and firms influence inequalities in economic, health, and other outcomes. As a trained applied microeconomist, I pay careful attention to endogeneity concerns in my research projects and employ rigorous causal inference techniques. I am currently studying how e-commerce has shifted the distribution of travel patterns within cities and what this means for neighborhood quality and household location choices. I am also working on projects to understand the determinants of migration and commuting patterns which shape the distributions of workers and firms across space.

## *Works in Progress*

“Delivering New Cities: The Effect of E-Commerce Warehouses on Traffic and City Structure”

“Migration and Political Alignment” with Stuart Gabriel and Gregor Schubert

“The Costs of Commuting: Identifying the Effect of Transit Subsidies on Employment”

“Digital Nomads and Transnational Gentrification: A Case Study of Mexico City” with Jose Antonio Inguanzo Gonzalez

*Research Assistance*

Research Assistant for Gregor Schubert (UCLA, Anderson)	Summer 2023
Research Assistant for Claire Lim (QMUL) and Bernardo Silveira (UCLA)	Summer 2021
Undergraduate Research Apprentice for Clayton Critcher (UCB, Haas)	2017

## Teaching

TA Consultant – Department of Economics	2023 – present
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*Teaching Assistant*

Data Science for Economists – UCLA Econ 104	Spring 2024
Introduction to Personal Finance – UCLA Econ 12	Spring 2023
Microeconomic Theory – UCLA Econ 101	Winter 2023
Introduction to Econometrics – UCLA Econ 103	Fall 2021 – Fall 2022

## Grants, Honors, and Awards

Departmental Teaching Assistant Award (UCLA)	Fall 2022
Graduate Summer Research Mentorship (UCLA)	Summer 2022
Departmental Teaching Assistant Award (UCLA)	Winter 2022
Department of Economics Fellowship (UCLA)	2020 – 2021
Dean's List (UCB)	2017
Phi Beta Kappa	

## Skills

*Computational*

R, Python, STATA, SQL, GIS, LaTeX, Excel, Git

*Languages*

English (native), French (intermediate), Spanish (beginner)