

Jade Ngoc Nguyen

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Education

Ph.D. in Economics, Boston College. <i>Fields: Applied Micro, Development, Labor</i>	May 2023
M.A. in Economics, Boston College	Dec 2017
B.A. in Economics (Honors), Brown University	May 2014

Skills

Programming: Python, Stata, R, GIS, SQL

Statistics: Linear and Logistic Regression, Survival Analysis, Principal Component Analysis, Hypothesis Testing

Econometrics: Experiment, Natural Experiment, Diff-In-Diff, Panel Data, Longitudinal Analysis, Synthetic Control, Propensity-score Matching, Event Study, Regression Discontinuity, Nonparametric Regression

Professional Experience

Lightcast, *Senior Research Analyst* Jul 2023

- Conduct statistical analyses to advise clients on talent strategies using job postings, social profiles and labor market data
- Present and communicate results to clients and stakeholders

Charles River Associates, *Senior Associate Intern* Apr-Aug 2021

- Conducted statistical analyses to support antitrust litigation in automobiles, agriculture, pharmaceuticals, retail
- Tasks included: natural experiment, event study, market definition, new competitor detection, customer churning

Boston College, *Instructor and Research Assistant* 2018-2022

- Taught undergraduate courses in Microeconomic Theory; TA-ed in Statistics Lab, Principles of Economics, Econometrics
- Research Assistant for [Prof. Anant Nyshadham](#) and conducted econometric analyses for the paper “[Expectations, Wage Hikes, and Worker Voice: Evidence from a Field Experiment](#)” (accepted at The Economic Journal)

Mahindra Group, *Deputy Manager* 2014-2016

- Built credit default predictive models with Logistic Regression and Survival Analysis to screen default risks
- Created a web application with R Shiny to host these credit default models, serving ~1M borrowers in housing market

Research papers

“[Bunching and Learning in Targeting Poverty: Evidence from Vietnam](#)”

- Use Nonparametric Regression to detect and quantify that 8-18% of program participants under-report their income
- Construct housing index with Principal Component Analysis and use Panel Data regressions to test whether program staff learn to switch from reported income to housing conditions to screen beneficiaries
- Simulate a scenario without this learning effect and estimate that \$9-10M would be misallocated

“[Why does the sex ratio at birth rise? Evidence from Vietnam](#)” (with Yale Ph.D. Candidate Nghiem Huynh)

- Build an algorithm to correctly predict family interrelationship classification by 91-93%.
- Use Diff-In-Diff regressions to estimate the impact of industry-specific tariff cuts on women’s decision on work hours, fertility and sex selection at birth.
- Find 10 percentage points in tariff cuts leads to 10% increase in women’s work hours, 9% lower chance of birth and 4% increase in newborn male share.

Other writings

“[Should tech companies hire more “people” managers?](#)” – Article on workforce data analytics

Awards, Scholarships, and Grants

Donald J. White Teaching Excellence Award for Graduate Teaching Assistants, Boston College	2022
Hayek Fund for Scholars from the Institute of Human Studies, George Mason University	2020
Shelby Davis Full Scholarship, Brown University	2010-2014
Omicron Delta Epsilon, Economics Department, Brown University	2014