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Education

Stanford University Ph.D. in Economics / Education, *(expected)* Mar 2023
University of Sao Paulo, M.A. in Economics 2017
PUC-Rio, B.S. in Economics 2013

Skills

Quantitative Research, Data Analysis, A/B Test Design, Causal Inference, Survey Design, R, STATA, Git, SQL, Python, Redshift, Javascript, Qualtrics, oTree.

Work Experience

Coursera, Data Science Internship Summer 2022

- Performed empirical analysis of drivers of unregistered direct traffic to the platform.
- Collaborated with cross-functional partners to define objectives and scope the project.
- Developed a model to predict traffic from content features, using supervised learning.
- Delivered an improved classification algorithm for top-of-funnel metrics that reduced the share of unregistered visitors classified as direct traffic by 16-20%. (SQL, R)

Stanford, Research Assistant 2017-2022

- Applied EDA, machine learning, and causal inference methods to support research projects.
- Managed and advised pre-doctoral research assistants.
- Supervised development of content for interventions.

Research Projects

Gender differences in test performance: time pressure and behavioral drivers.

- Designed an online experiment (A/B test) with interface features to capture test-taking behaviors and strategies under different time pressure conditions.
- Found increased time pressure to impact women's scores more than men's, with 20% lower scores almost entirely explained by women spending 21% more time on each question.

Growth mindset and gender differences in challenge-seeking behavior.

- Initiated collaborations with gov and private sector partners to implement and evaluate a growth mindset intervention.
- Developed survey instruments to document incentivized and unincentivized choices.
- Found that the intervention affected unincentivized choices only.

Evaluation of an affirmative action policy for college admissions in Brazil.

- Created a longitudinal dataset, combining administrative and web-scraped data based on string and numerical similarity algorithms to apply a causal inference framework (RD).
- Found the policy had a positive impact on several labor market outcomes for beneficiaries without negatively impacting otherwise admitted applicants.
- Got media coverage from several major Brazilian newspapers (O Globo, Folha, Valor Economico).

Classes

Behavioral and Experimental Economics: Experiment design, A/B testing, incentive compatible elicitation, behavioral economic theory, and experimental applications to improve explanatory and predictive performance of standard economic models.
Econometrics (PhD core): Probability theory, hypothesis testing, econometric modeling, and causal inference methods.
Data Mining and Analysis: Supervised and unsupervised machine learning methods, decision trees, association rules, k-clusters, case-based methods.
Computing for Data Science: Data visualization, modeling and inference for scientific applications; presentation and interactive communication of results; computation for large projects and software development with emphasis on R (devtools, shiny, R Markdown.)
Quantitative Methods for Empirical Research: Treatment effect estimators, non-parametric estimators, discrete choice models.

Teaching Assistant Experience

Experimental Research Design and Analysis (graduate level) Fall 2020

- Introduced interactive resources to guide class discussions and updated the reading list with state-of-the-art research and authorship diversity.
- Mentored students by leading Q&A sessions, taught coding skills in R and STATA to analyze experiments, and advised on experiment designs for final project.

Languages

[Fluent] English, Portuguese; [Intermediate] French, Spanish