NINO JOSÉ CRICCO

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Quantitative researcher with a technical background in statistics, data viz, causal inference and ML. Experienced in developing complex quantitative research projects from ideation to publication

WORK EXPERIENCE

PhD Researcher, Harvard University

- Devised three independent quantitative research projects on economic opportunity in the US
- Analyzed large-scale administrative and survey data using multivariate regression, cluster analysis, decomposition, simulation, and machine learning using R [sample code] and Python
- Communicated results to audiences of 40+ people in conference and seminar presentations
- Created interactive dashboards with large scale data tracking economic inequality indicators

Research Assistant, Harvard University

- Created datasets sourcing data from administrative and web sources using R, Python, and QGIS
- Built causal models using statistical techniques and predictive models using machine learning
- Co-devised projects analyzing the gender gap in pay and designed replicable analysis pipelines
- Co-authored three manuscripts currently published or under review at top sociology journals

Teaching Fellow, Harvard University

- Developed lecture and discussion materials, graded assignments, assisted in exam development
- Awarded Certificate of Distinction in Teaching from Derek Bok Center for Teaching and Learning
- Courses taught: Advanced Quantitative Research Methods (Graduate), Research Design (Undergrad)
- Supervised honors theses for A.B. candidates

EDUCATION

Harvard University

PhD Candidate in Sociology   *Expected May 2025*
Relevant Coursework: Advanced Quantitative Research, Analysis of Longitudinal Data, Computational Analysis, Machine Learning
Leadership: Coordinator, Grad Student Quant Methods Reading Group, Social Demography Seminar

New York University Abu Dhabi

Bachelor of Arts in Social Research and Public Policy, *Magna Cum Laude*   *2016*

SKILLS

Statistical Methods: regression, hypothesis tests, experiments, causal inference, networks, spatial data
Machine Learning: regularization and prediction, classification, dimension reduction
Coding: R (tidyverse, caret, sf, igraph, ggplot2), SQL, some Python (pandas, seaborn, scikitlearn)
Languages: English, Spanish, Portuguese (elementary)