

Felipe Arteaga

March 2024 UC Berkeley Economics Ph.D. graduate seeking roles in Economics & Data Science

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EXPERIENCE

ConsiliumBots – Research Affiliate

New York, NY | May 2019 - Present

- Led the development and launching of smart, personalized notification systems on school choice platforms for 5 Latin American countries, including Chile, Ecuador, Peru, Colombia, and Brazil, improving placement chances of students.

University of California, Berkeley – Teaching assistant

Berkeley, CA | August 2019 - Present

- Courses: MBA Data Analytics (Causal Inference and Machine Learning), Honors Intermediate Microeconomics. Health Economics, Intermediate Microeconomics.

Ministry of Education – Lead researcher

Santiago, Chile | March 2015 - July 2018

- Served as part of the core team that spearheaded the design, rollout, and evaluation of the new countrywide centralized school choice process that assigns 87% of all the seats in the Chilean education system.

Abdul Latif Jameel Poverty Action Lab (J-PAL) – Research Associate

Santiago, Chile | March 2013 - July 2018

- Led research efforts for high-impact education projects across Chile, Peru, the Dominican Republic, and the USA. Supported Economic professors Francisco Gallego (PUC) and Christopher Neilson (Yale).

PROJECTS

Predicting risky school choice applicants

2017 – Ongoing

- Designed an algorithm that predicts placement probabilities to classify students with a considerable placement risk.
- Led the implementation of an API for live risk classification in five countries, impacting over 2 million applicants.
- Evaluated the causal effect of the warnings for high-risk applicants for Chile and New Haven, CT, and Ecuador and Peru.

Role of information for school applications

Chile, Perú, Ecuador | 2020-2022

- Collaborated on the design of personalized report cards with information about options for school applicants.
- Contributed to the implementation in Chile, Perú, and Ecuador, reaching 90%+ of school applicants.
- Evaluated the causal effect of giving information to applicants in using A/B testing, published as a IDB working paper.

Nationwide school application platform

Chile | 2015 – 2018

- Collaborated on the design of a matching algorithm for centralized admission to the Chilean PK-12th education system.
- Participated in the gradual implementation of the platform covering from 1% to 100% of school admissions in 4 years.
- Since 2019, this system has assigned to schools over 600.000 applicants yearly, respecting families' preferences.

EDUCATION

University of California, Berkeley, Berkeley, CA

Expected: March 2024

Ph.D. in Economics. Fields: Labor economics and Industrial Organization

Pontificia Universidad Católica, Santiago, Chile

2013

M.S. in Engineering

Pontificia Universidad Católica, Santiago, Chile

2012

B.S. in Industrial Engineering

University of British Columbia, Vancouver, Canada

2011

Exchange student

RESEARCH PAPERS

Published

- “Smart Matching Platforms and Heterogeneous Beliefs in Centralized School Choice” (w/ Adam Kapor, Christopher Neilson, and Seth Zimmerman. *Quarterly Journal of Economics*, 2022)

Working papers

- “Imperfect Information and Outside Options in Centralized School Choice” (Job Market Paper)
- “Can Information on School Attributes and Placement Probabilities Direct Search and Choice? Evidence from Choice Platforms in Ecuador and Perú” (w/ G. Elaqua, T. Krussig, C. Méndez, and C. Neilson. *IDB WP* 2022)

SKILLS

- **Programming:** Matlab, Stata, Python, R, Java, SQL.
- **Statistics & Methods:** Causal inference (RCT, IV, DiD, RDD), structural modeling (demand estimation), prediction (supervised and unsupervised machine learning methods)