Jose Fernando Barrera De Plaza

M.A. Economics   Data Oriented

Holding a master's degree in Economics with a minor in Computational Mathematics. My academic pursuits revolve around a data-driven approach aimed at quantifying and elucidating phenomena through modeling and empirical research. I possess a robust programming background, proficient in diverse languages and software applications including but not limited to Python, Java, SQL, and Excel.
Click here and visit my website to know me better!

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📱 +57 3017092023   LinkedIn

My values

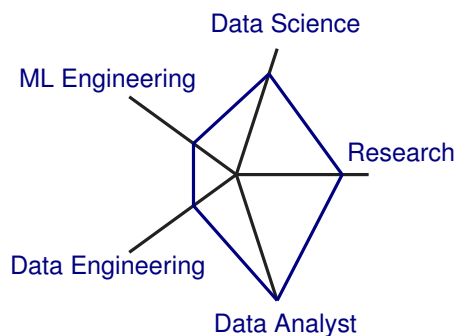Communicative   Responsible   Proactive   Independent   Learning oriented

Soft skills

</> Python, SQL, Stata, Excel

📄 LaTeX, Office, BI Visualization

🧩 Tidytweets Library

✏️ Safe Isolation Research

Areas of proficency

Data Science · ML Engineering · Research · Data Engineering · Data Analyst

Other skills

Spanish	▢▢▢▢▢▢
English	▢▢▢▢▢

Other Activities

- English studies
- Golf
- Rescue Brigadier
- Squash

Experience

Senior Data Analyst   2020-2023
Xenophobia Barometer

Creation and refinement of Natural Language Processing models using Python.
Repository management through GitHub.
Creation of academic-level policy papers using machine learning techniques and economic analysis related to gender discrimination, xenophobia, and racism. Some of these documents were submitted to the World Bank and the International Organization for Migration.
Creation of Policy Papers for the Colombian government and several American countries that have refugees or irregular migrants.
Creation and visualization of data to update indexes and indicators of online xenophobia, racism, and genre political discrimination for monthly reports.
Award: "Youth Leadership and Innovation Award for Migration" for the best innovation project worldwide given by IMO, UNICEF, the government of the Arabic Emirates, and the Swiss government.

Graduate Teaching Assistant   2020-2023
University of the Andes, Engineering Faculty

Assistant professor of different **data related and programming courses**.
Member of the organizing committee of the Analytics Forum (artificial intelligence event of Andes University).
Building automation tools based on web bots and application interfacing using Python packages such as Selenium, Beautiful Soup, and Spacy.

Project Assistant Developer   2020-2021
University of the Andes, CedEx Team

Programmer on Java language using Eclipse IDE.
Repository management through GitHub.
Service documentation and API resource consumption using Swagger.
Server deployment to bring specialized consumption related to API resources.

Education

M.A. Economics   2022
University of the Andes

Thesis project awarded with *Documento CEDE* recognition by Economics Faculty: **Safe Isolation**.
Relevant and proficient background in advanced Microeconomics and Macroeconomics, special emphasis in advanced Econometrics.

Additional relevant course electives include Empirical applications on Political Economics, Financial Derivatives, Contract Theory, and Industrial Organization.

B.A. Economics - Minor in Computational Math   2020
University of the Andes

Mayor in Economics with strong and proficient background in mathematical and computational areas of knowledge. Relevant courses include Mathematical Structures, Algorithms and Object Oriented Programming, Data Structures, Learning Machine Learning, Public Policies, Microeconomics, Game Theory, Numeric Theory.

Diplomat in Stocks Market   2015
CEIPA Business School

Extensive background in financial instruments such as fixed and variable return assets. Return and interest rate calculations to compare revenue vs risk opportunities on a frontier of possible assets.