

JUAN FRANCISCO MARGITIC

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RELEVANT EXPERIENCE

World Bank Group

Data Scientist - Outcomes Department

Washington, DC

Feb 2025 - Current

- Spearhead cross-functional collaboration across World Bank units to modernize enterprise-scale data architecture using Databricks and Posit and produce strategic institutional insights.
- Architect and deploy end-to-end Generative AI applications (Python, R, React) to revolutionize outcome measurement, leveraging Retrieval-Augmented Generation (RAG) and advanced LLMs (Claude, Gemini) to automate complex insight extraction from unstructured operational reports.
- Lead high-level technical missions to advise international agencies on AI adoption, designing roadmap strategies for workflow re-engineering that leverage emerging technologies to significantly augment operational capabilities and impact.

Economist - Poverty, MENA

Nov 2024 - Feb 2025

- Leveraged microsimulation techniques in Stata and R to estimate the impact of macroeconomic factors, such as inflation, on poverty, combining administrative and survey data to deliver actionable insights for senior decision-makers.

Inter-American Development Bank (IDB)

Economist

Washington, DC

June 2021 - May 2024

- Led advanced statistical analyses and econometric modeling with R and Python across 10+ countries, informing regional education strategies and yielding flagship publications.
- Specialized in advanced causal inference techniques (e.g., A/B testing, RDD), providing expert technical advice that strengthened project design, implementation, and evaluation.
- Led a Randomized Controlled Trial in Recife, Brazil, providing key insights for designing centralized assignment systems.
- Supervised the development of database systems for measuring and monitoring educational indicators at [CIMA - IADB](#).
- Managed multidisciplinary teams and budgets, leading projects to ensure timely delivery through strategic leadership.
- Coordinated collaborations with international organizations (UNESCO, World Bank) to optimize educational policies in Brazil, Costa Rica, Haiti, and Guyana.

Georgetown University

Economics Ph.D. Researcher and Instructor / Teaching Assistant

Washington, DC

Aug 2015 - May 2021

- Executed geospatial analysis (PostGIS/QGIS) on 15M+ voters to recover causal impacts of distance on turnout and used structural models to optimize polling place allocations.
- Led large-scale data mining projects using Python and SQL to create novel datasets, including scraping congressional cost estimates (1997-2014) and candidate visits (2008-2016) for econometric modeling.
- Designed and taught graduate/undergraduate courses in data analysis, statistics, and microeometrics.

EDUCATION

Georgetown University

Ph.D. in Economics (2021), M.A. in Economics (2017)

Washington, DC

Aug 2015 - May 2021

Loyola Marymount University

B.Sc. in Economics, Minor in Math, Magna Cum Laude

Los Angeles, CA

Aug 2011 - Dec 2014

SKILLS

- **Tech Stack:** Python, R, SQL, Stata, L^AT_EX, Databricks, Posit Connect, Git, Streamlit, React, GIS (QGIS/ArcGIS)
- **Methods & Viz:** GenAI (RAG, LLMs), NLP, Causal Inference, A/B Testing, Tableau, ggplot2, Matplotlib
- **Languages:** English (Fluent), Spanish (Native), Italian and Portuguese (Elementary)
- **Certification:** [Machine Learning Specialization](#) (Stanford University/DeepLearning.AI)

SELECTED PUBLICATIONS

- “[Polling Place Location and the Costs of Voting](#)”, with G. Bagwe and A. Stashko. *American Economic Journal: Economic Policy*, 18(1): 219–55, 2026.
- “[Food Stamps and America’s Poorest](#)”, with D. Jolliffe, M. Ravallion, and L. Tiehen. *American Journal of Agricultural Economics*, 101(5): 1324–1349, 2019. ([AAEA Research Award](#))
Featured in: [Vox](#), [VoxEU](#), [WSJ](#), [Quartz](#).
- “[Lifting the Floor? Economic Development, Social Protection...](#)”, with M. Ravallion. *Journal of Development Economics*, 139: 97–108, 2019.