

Juan P. Aparicio

Economist & Data Scientist | Econometrics, Causal Inference, Forecasting, Experimentation

PhD economist who built CivicScience's first demand-forecasting offering, led engagements with Fortune 500 clients, and runs large-scale research-verification projects — including a PNAS randomized evaluation of human vs. AI analyst teams.

Email: juposada93@gmail.com | jposadaa@uottawa.ca

Location: Medellín, Colombia (UTC-5, full US ET overlap) | Open to remote (Americas) | Canada: valid work permit, new employer sponsorship required | Open to US/Canada relocation with visa sponsorship

Website: <https://www.posadaaparicio.com>

LinkedIn: <https://www.linkedin.com/in/juan-pablo-posada-aparicio/>

GitHub: <https://github.com/juposada93>

TECHNICAL SKILLS

- Methods: econometrics, causal inference (difference-in-differences, instrumental variables, event studies, panel data), experiment design, randomized experiments and A/B testing, time-series and demand forecasting, statistical and predictive modeling, machine learning for forecasting, survey data analysis at scale, human-AI and LLM/GenAI evaluation.
- Languages & tools: R, Python, SQL, Stata, Git/GitHub, LaTeX, Excel.
- Data infrastructure: Snowflake, MariaDB.
- Languages: Spanish (native), English (fluent).

PROFESSIONAL EXPERIENCE

Research Scientist (Postdoctoral Researcher), Institute for Replication | Ottawa, Canada | 2024-present

- Designed and ran a randomized controlled experiment (288 researchers, 103 teams) benchmarking human-only vs. AI-assisted vs. AI-led analyst teams: human-only and AI-assisted teams reproduced 94% and 91% of results vs. 37% for AI-led. Published in PNAS (2026).
- Led crowd-sourced research-verification studies with 700+ analyst-participants; co-managed a portfolio spanning 2,000+ researchers across institutions.
- Co-investigator on USD 322K in competitive grants (Sloan Foundation; Research on Research initiative, 2025).

Senior Economist & Senior Data Scientist, CivicScience | Pittsburgh, USA | 2022-2024

- Built CivicScience's first demand-forecasting offering in R, Python, and SQL on Snowflake, drawing on a real-time survey platform with 165M+ consumer profiles; the work was productized into a commercial forecasting line.
- Led forecasting engagements end-to-end for Fortune 500 clients including McDonald's, Target, and Bank of America, working with client stakeholders from scoping through delivery.
- Retained post-departure as Fellow and advisor (2024-present, part-time advisory).

Senior Consultant & Postdoctoral Researcher, Universidad EAFIT | Medellín, Colombia | 2022-2023

- Led EAFIT's consulting engagement with the Federación Nacional de Departamentos on illicit liquor and cigarette markets; delivered the published evidence base for the Federación's national anti-contraband strategy.

EDUCATION

- Ph.D. in Economics, University of Western Australia | 2023.
- M.Sc. in Economics, Université catholique de Louvain | 2018.
- B.S. in Economics, Universidad EAFIT | 2016.

SELECTED PUBLICATIONS

- AI-assisted teams outperform AI-led teams but not human-only teams in assessing research reproducibility in quantitative social science. **PNAS**, 2026. Randomized comparison of human vs. AI-assisted vs. AI-led analyst teams — directly applicable to evaluating GenAI tooling for analytics organizations.

- Captivating news: Media attention and FARC kidnappings. **Journal of Economic Behavior & Organization**, 2022. Natural-experiment identification on daily event data: how information shifts the behavior of strategic actors.
- Peacefully Demobilizing Rebels. **IZA Discussion Paper 16054** (under journal review). Quasi-experimental evaluation of a national persuasion campaign: which message framing changed behavior, and when.