

JAIME POLANCO-JIMENEZ

<https://polanco-jaime.github.io/>

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Research Interests

Economics of Education, Human Capital Accumulation, and Development Economics

Education

Pont. Universidad Javeriana & KU Leuven	Aug 2020 – Oct 2025	Ph.D. in Economics (Expected)
Pont. Universidad Javeriana	Nov 2024	Ms. in Economics
Udmurt State University, Izhevsk, Russia	Sep 2018 – Jul 2020	Master of Economics
Udmurt State University, Izhevsk, Russia	Sep 2018 – Jul 2020	Master in Oil and Gas Engineering
University of America, Bogota, Colombia	2016	Bachelor in Oil and Gas Engineering

Papers in Progress

- Polanco-Jimenez, J. (2024). *Road to the Future: Identifying Impacts of Roads on Education in Colombia* [\[Website\]](#)
- Polanco-Jimenez, J., & Posso, C. (2024). *Black Gold and Dull Minds: The Impact of Oil Exploration Announcements on Education in Colombia* [\[Website\]](#)
- Polanco-Jimenez, J., De Witte, K., & Bernal, G. L. (2024). *Gender Composition in Classrooms: Influences on Post-Secondary Schooling Choices* [\[Website\]](#)
- Polanco-Jimenez, J. & De Witte, K. *Can AI Mitigate Teacher Shortages? Causal Evidence on Financial Literacy from a Randomized Controlled Trial*
- Lozano Johan & Polanco-Jimenez, J. *Empowering Growth: A Longitudinal Analysis of Financial Literacy's Impact on Colombian Small Businesses*
- Castaneda Karen & Polanco-Jimenez, J. *Moving into greener jobs: Impact of Oil Shocks on Students' Career Choices*

Publications

- Analysis of the oil price impact on the Colombian and Russian revenues [\[Website\]](#)
- An econometrics forecasting model of monthly short term oil price [\[Website\]](#)
- Synthetic NMR logs using supervised machine learning algorithms [\[Website\]](#)

Technical Skills

Languages: Spanish (Native), Russian, English

Programming Languages: Python, R, SQL, Stata, L^AT_EX

Methodologies: Causal inference, Econometrics, Machine Learning, Statistical Modeling

Scholarships and Grants

Russian Government Grant, Udmurt State University, Sep 2018

Doctoral Scholarship, Pontificia Javeriana University, Jul 2020

Experience

Fiscal Observatory Javeriana University	Aug 2023 – Dec 2023	Consultant
Servinformacion, Bogotá, Colombia	Oct 2022 – Present	Consultant - Senior Data Scientist
Universidad Javeriana, Bogotá, Colombia <i>Advanced Econometrics 1 and 2 – Adrian Garlati</i>	Oct 2022 – Present	Graduate teaching assistant
Secretaría de Salud de Bogotá, Bogotá, Colombia	Oct 2020 – Aug 2022	Data Scientist
Bogotá Summer School in Economics, Bogotá, Colombia <i>Real analysis - Professor Andres Carvajal</i>	2021 – 2021	Graduate teaching assistant
Universidad Javeriana, Bogotá, Colombia <i>Laboratorio Economía de la Educacion</i>	Oct 2020 – Aug 2021	Research assistant
Udmurt State University, Izhevsk, Russia <i>Pedagogical Internship</i>	Oct 2017 – Jul 2019	Teaching assistant

Projects

Economic Research Paper Search Chatbot | *Python, Chatbot Framework, Web Development*

- Developed a chatbot that allows users to search for economic research papers based on a research question.
- Implemented search functionality restricted to the top 10 journals of economics.
- Integrated the chatbot into the bottom right corner of my personal website: <https://polanco-jaime.github.io/>.

Professional Certifications

Google Cloud Professional Machine Learning Engineer

[Credential Link](#)

Google Cloud Professional Data Engineer

[Credential Link](#)