




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 Oct 2022 – Present *Graduate teaching assistant*
Advanced Econometrics 1 and 2 – Adrian Garlati

Secretaría de Salud de Bogotá, Bogotá, Colombia Oct 2020 – Aug 2022 *Data Scientist*

Bogotá Summer School in Economics, Bogotá, Colombia 2021 – 2021 *Graduate teaching assistant*
Real analysis - Professor Andres Carvajal

Universidad Javeriana, Bogotá, Colombia Oct 2020 – Aug 2021 *Research assistant*
Laboratorio Economia de la Educacion

Udmurt State University, Izhevsk, Russia Oct 2017 – Jul 2019 *Teaching assistant*
Pedagogical Internship

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](#)