Jaime Polanco-Jimenez

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

📞 +57 3002737490   ✉ 💼 🐙

Research Interests

Economics of Education, Human Capital Accumulation, and Development Economics

Education

Universidad Pontificia Javeriana, Bogotá, Colombia	**Aug 2020 – Oct 2025**	*Ph.D. in Economics (Expected)*
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]

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, LaTeX
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		
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](#)