

Brigitte Castaneda

Economist and Engineer

 brigitte-castaneda.github.io

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EDUCATION

Universidad de Los Andes (Bogotá, Colombia)

PhD in Economics	2025
M.Sc. in Economics	2023

Udmurt State University (Izhevsk, Russia)


M.Sc. in Economics - Esp. Financial Risks	2020
M.Sc. in Oil and Gas Engineering	2019


Universidad de America (Bogotá, Colombia)


B.S. in Petroleum Engineering	2015
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RESEARCH

Working Papers

Spreading Jam Across the National Toast: Royalties and Local Fiscal Capacities with Andrés Álvarez and Marc Hofstetter (Serie Documentos CEDE, 2025-17) 

Can Growth Take Place While Reducing Emissions? The Role of Energy Mix. 

Energy Prices, Energy Efficiency, and Structural Change: Evidence from Latin America with Hernando Zuleta 


How to make fossil fuel subsidy reform socially acceptable in Colombia: the role of information and compensatory policies with Farah Mohammadzadeh, Charlotte Bez, Leonard Missbach, Jan C. Steckel, Jorge Bonilla, Jorge Garcia. - Supported by EfD. 


REDD+ projects in Afro-Colombian Communities: Impacts on Deforestation and Coca Crops with Carolina Castro, Santiago Herrera and Maria Alejandra Velez 

When the Oil Runs Low, Where Do Students Go? Evidence from Local Shocks in Colombia with Jaime Polanco.


Policy Reports

Understanding the Impact of a Low Carbon Transition on Colombia Research assistant of Chapter 4. 

A Global and Inclusive Just Transition: Challenges and Opportunities in Developing and Developed Countries' Labor Markets with Luis F. Intriago, Raphael J. Heffron, and Minwoo Hyun - EDF Paper Series, Aug 2024. 

Preparando la Transición Energética Justa en las regiones: Análisis de Impactos Macroeconómicos with Andrés Álvarez and Marc Hofstetter. 


Conference Papers

Equity index for educational scores standardization. DS4A Final report. 

Synthetic NMR well logs using supervised machine learning algorithms. ISBN978-5-91961-386-2 

Effect analysis of natural gas prices on the income of the Russian budget. ISBN: 978-5-4312-0728 

ARIMA forecast to detect and avoid stuck pipe problems during drilling. ISBN 978-5-4312-0708-2 

Application of FMEA methodology in well drilling. ISBN: 978-5-4312-0641-2 

GRANTS AND AWARDS

IDB (Inter-American Development Bank) Research Grant (25,000 USD)	2025
EfD (Environment for Development) Research Project (50,000 USD)	2024
Best Article Award – Doctoral Workshop, Universidad de los Andes	2024
SPAR6C Research Mentoring Program (UNEP - GGGI)	2023
Graduate with Honors – “Data Science for All” Course	2020
Finalist – SPE Student Paper Contest (Russia/Caspian)	2019
Excellence Scholarship – Russian Federation Government	2018
Finalist – Russian “Student of the Year,” International Student category	2018

TEACHING

Teaching Assistant:

Economics and Sustainability (graduate level)	2025 – I
Introductory Macroeconomics (undergraduate level)	2022 – II & 2023 – I
Microeconomics: Consumer and Producer Theory (undergraduate level)	2022 – II
Introductory Microeconomics (graduate level)	2022 – I
Elective in Oil and Gas Engineering	2021 – I

ACADEMIC POSITIONS

Universidad de los Andes	Since 01 2021
Teaching Assistant of Economics	<i>Bogotá, Colombia</i>
Universidad de los Andes	02 2020 – 01 2022
Academic Coordinator, Faculty of Mechanical Engineering	<i>Bogotá, Colombia</i>
Udmurt State University	09 2018 – 05 2019
Engineering Training	<i>Ishevsk, Russia</i>

WORK EXPERIENCE

GGGI & CODS	10 2024 – actual
Individual Consultant	<i>Bogota, Colombia</i>
Centro Regional de Finanzas Sostenibles, Uniandes.	04 2022 – 04 2024
Research Assistant	<i>Bogota, Colombia</i>
Centro Regional de Estudios en Energia CREE	11 2023 – 12 2023
Consultant	<i>Bogota, Colombia</i>
Environmental Defense Fund	06 2023 – 09 2023
Contractor, Doctoral, Temp - Just Transition	<i>Washington, USA</i>
World Bank	01 2023 – 03 2023
Senior Data Scientist - Short Term Consultant	<i>Remote</i>
Universidad de los Andes.	02 2020 – 01 2022
Academic Coordinator, Master program in Petroleum Engineering.	<i>Bogota, Colombia</i>
Glocation S.A.S. (Google Partner).	02 2021 – 04 2021
Data analyst, OCYT Project (Colombian Observatory of Science and Technology)	<i>Bogota, Colombia</i>
Bistro Bank	02 2020 – 03 2020
Internship, Entry-Level Data Scientist	<i>Ishevsk, Russia</i>
Smart Energy Council & PetroNews S.A.S.	11 2014 – 12 2016
Co-founder	<i>Bogota, Colombia</i>

CONFERENCES AND PRESENTATIONS

- 2025** SETI Annual Workshop (Gothenburg, Sweden), LAERE Annual Meeting (Bogotá, Colombia), Bogotá Experimental Economics Conference (poster session, Colombia)
- 2024** Economics Seminar at Luleå University of Technology (Sweden), Mentoring Workshop at LACEA LAMES (Montevideo, Uruguay), CEDE Seminar at Universidad de los Andes (Bogotá, Colombia), EfD 18th Annual Meeting (Nairobi, Kenya), EAERE Conference (Belgium), SETI Sustainable Energy Transition Initiative Annual Workshop (online), AERE Summer Conference (Washington, D.C., USA)
- 2023** International Economic Association World Congress (Medellín, Colombia), 3-Minute Thesis Competition at Campus Iberus International Contest (Cartagena, Colombia), XVII Congress of the International Society for Ecological Economics (Santa Marta, Colombia)
- 2022** V Colloquium of Doctoral Students in Economics (Cali, Colombia)
- 2019** Finalist, SPE Student Paper Contest for the Russian and Caspian Region (Moscow, Russia), First Place in Paper Session "Smart Technologies" at Oil and Gas Horizons (Moscow, Russia), Finalist in the national contest "Student of the Year" in the category of International Student (Russia)

SKILLS/ LANGUAGES

Programming skills: R, Python, Stata, QGIS, Matlab and Bigquery.

Languages: Russian (Advanced), English (Advanced), Spanish (Native), and French (Basic).

CERTIFICATIONS

Research Mentorship Program for Implementing Article 6 of the Paris Agreement - *UNEP & GGGI*



Responsible Conduct of Research (RCR) in Social Sciences - *CityProgram*



Reproducible Research - *Universidad de los Andes*



Preparing the Public and Financial Sector for Climate Transition Risk - *CFS Uniandes & UKPACT*

Data Science For All (DS4A) - *Correlation One & MinTIC*



Machine Learning - *Coursera*



Technology Entrepreneurship - *Stanford University*

