

# BRIGITTE CASTANEDA

Economist and Engineer

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## EDUCATION

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**Universidad de Los Andes**

*PhD candidate in Economics - 4.3/5.0*

**06 2020 – Present**

*Bogota, Colombia*

**Universidad de Los Andes**

*M.Sc. in Economics - 4.5/5.0*

**06 2020 – 10-2023**

*Bogota, Colombia*

**Udmurt State University**

*M.Sc. in Economics - 4.5/5.0*

**07 2018 – 06 2020**

*Izhevsk, Russia*

**Udmurt State University**

*M.Sc. in Oil and Gas engineering - 4.8/5.0*

**07 2017 – 06 2019**

*Izhevsk, Russia*

**Universidad de America**

*B.S. in Petroleum Engineering - 3.8/5.0*

**2010 – 2015**

*Bogota, Colombia*

## RESEARCH INTEREST

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Carbon Pricing, Just Energy Transition, Environmental Economics, and Macroeconomics.

## PUBLICATIONS

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“A Global and Inclusive Just Transition: Challenges and Opportunities in Developing and Developed Countries’ Labor Markets” *co-authored with Luis F. Intriago, Raphael J. Heffron, and Minwoo Hyun*



Preparando la Transición Energética Justa en las regiones: Análisis de Impactos Macroeconómicos *co-authored with Andrés Álvarez and Marc Hofstetter*



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*



Aplicación del método FMEA en la perforación de pozos. *Journal Technosphere Management 2018.*



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



## WORK IN PROGRESS

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“Can we growth while reducing emissions?”



“Climate Policy and Structural Change: Evidence from Energy Transitions in Latin America” *co-authored with Hernando Zuleta*



“¿La abundancia de regalías desplaza la capacidad fiscal local?” *Andrés Álvarez and Marc Hofstetter*



“REDD+ como herramienta para evitar la deforestación y la expansión de cultivos ilícitos en el pacífico Colombiano” *co-authored with Carolina Castro, Santiago Herrera and Maria Alejandra Velez*



## TEACHING

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### Teaching Assistant.

Introductory Course in Macroeconomics for undergraduate students	2022 – II & 2023 – I
Microeconomics: Consumer and Producer Theory for undergraduate students	2022 – II
Introductory Course in Microeconomics for graduate students	2022 – I
Elective Course in Oil and Gas Engineering	2021

## WORK EXPERIENCE

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<b>Centro Regional de Finanzas Sostenibles, Uniandes.</b> <i>Research Assistant</i>	<b>04 2022 – 04 2024</b> <i>Bogota, Colombia</i>
<b>Centro Regional de Estudios en Energia CREE</b> <i>Consultor</i>	<b>11 2023 – 12 2023</b> <i>Bogota, Colombia</i>
<b>Environmental Defense Fund</b> <i>Contractor, Doctoral, Temp - Just Transition</i>	<b>06 2023 – 08 2023</b> <i>Washington D.C.</i>
<b>World Bank</b> <i>Senior Data Scientist - Short Term Consultant</i>	<b>01 2023 – 03 2023</b> <i>Remote</i>
<b>Universidad de los Andes.</b> <i>Academic Coordinator, Master program in Petroleum Engineering.</i>	<b>02 2020 – 01 2022</b> <i>Bogota, Colombia</i>
<b>Glocation S.A.S. (Google Partner).</b> <i>Data analyst, OCYT Project (Colombian Observatory of Science and Technology)</i>	<b>02 2021 – 04 2021</b> <i>Bogota, Colombia</i>
<b>Bistro Bank</b> <i>Internship, Entry-Level Data Scientist</i>	<b>02 2020 – 03 2020</b> <i>Ishevsk, Russia</i>
<b>Udmurt State University</b> <i>Oil Field Internship, Engineering Training</i>	<b>09 2018 – 05 2019</b> <i>Ishevsk, Russia</i>
<b>Smart Energy Council &amp; PetroNews S.A.S.</b> <i>Co-founder</i>	<b>11 2014 – 12 2016</b> <i>Bogota, Colombia</i>

## ACHIEVEMENTS

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- Winner of the award for the best article of the Doctoral Workshop 2024 Faculty of Economics, Universidad de los Andes. **04 2024**
- I was selected to take part in the Research Mentoring Program (PMI) on Article 6 of the SPAR6C program with GGCI. **12 2023**
- I received funding from EfD to conduct surveys in Colombia on fossil fuel subsidy reform and acceptability. **11 2023**
- Presented at the International Economic Association World Congress, Medellin, Colombia. **12 2023**
- Presented at the XVII Congress of the International Society of Ecological Economics, Santa Marta, Colombia. **10 2023**
- Presented at the V Colloquium of doctoral students in economics, in Cali, Colombia. **12 2022**
- Degree with honors in the “Data Science for All” course, by the Colombian Ministry of Technology. **08 2020**
- Beneficiary of the Excellence Scholarship granted by the government of the Russian Federation. **08 2018**
- First place in Paper Contest and second in the Poster Session at Oil and Gas Horizons Congress XI. **11 2019**
- Regional finalist in the SPE Student Paper Contest 2019, Russian and Caspian region. **10 2019**
- Finalist in the Russian contest “Student of the year 2018”, category International Student. **11 2018**

## SKILLS/ LANGUAGES

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### Programming skills.

R, Python, Matlab and Bigquery.

### Languages

Russian, English and Spanish.

## CERTIFICATIONS

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- Reproducible research *Universidad de los Andes* [↗](#)
- Data Science For All (DS4A) *Correlation One, MinTIC*. [↗](#)
- Machine Learning. *Coursera* [↗](#)
- Prevention of Pipe Sticking. *PG Consulting*. [↗](#)
- Technology Entrepreneurship. *Stanford University*. [↗](#)