

BRIGITTE CASTANEDA

Economist - Engineer

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EDUCATION

Universidad de Los Andes <i>PhD candidate in Economics - 4.3/5.0</i>	06 2020 – Present <i>Bogota, Colombia</i>
Udmurt State University <i>M.Sc. in Economics -4.5/5.0</i>	07 2018 – 06 2020 <i>Izhevsk, Russia</i>
Udmurt State University <i>M.Sc. in Oil and Gas engineering - 4.8/5.0</i>	07 2017 – 06 2019 <i>Izhevsk, Russia</i>
Universidad de America <i>B.S. in Petroleum Engineering - 3.8/5.0</i>	2010 – 2015 <i>Bogota, Colombia</i>

RESEARCH INTEREST

Climate policies, energy transition, environmental economics, and macroeconomy.

PUBLICATIONS

- 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

- “Can we growth while reducing emissions?” *with the advice of Hernando Zuleta* [🔗](#)
- “Macroeconomic and social impacts of the transition in key regions of Colombia.” *co-authored with 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

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

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

SKILLS/ LANGUAGES

Programming skills.

R, Python, Matlab and Bigquery.

Languages

Russian, English and Spanish.

ACHIEVEMENTS

- 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**

CERTIFICATIONS

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