Brigitte Castaneda

Economist - Engineer

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EDUCATION

Universidad de Los Andes 06 2020 – **Present**
PhD candidate in Economics - 4.3/5.0 *Bogota, Colombia*

Udmurt State University 07 2018 – 06 2020
M.Sc. in Economics -4.5/5.0 *Izhevsk, Russia*

Udmurt State University 07 2017 – 06 2019
M.Sc. in Oil and Gas engineering - 4.8/5.0 *Izhevsk, Russia*

Universidad de America 2010 – 2015
B.S. in Petroleum Engineering - 3.8/5.0 *Bogota, Colombia*

RESEARCH INTEREST

Climate policies, energy transition, environmental economics, and natural resource management.

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* ↗

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

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

SKILLS/ LANGUAGES

Programming skills.

R, Python, Matlab and Bigquery.

Languages

Russian, English and Spanish.

ACHIEVEMENTS

- 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.*