

Marcelo Ortiz-Villavicencio

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Atlanta, GA
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EDUCATION

Emory University

Ph.D in Economics

Atlanta, GA

2022 - current

Relevant Coursework: Quantitative Methods I-II; Analysis II; Microeconomic Theory I-II; Macroeconomic Theory I-II; Probability & Statistics; Econometrics Methods I-II; Probability Theory; Market Structures & Imperfect Competition; Machine Learning Theory; Advanced Microeconometrics; Causal Inference.

Escuela Superior Politécnica del Litoral (ESPOL)

M.Sc. in Economics; Valedictorian

Guayaquil, Ecuador

2019 - 2021

Escuela Superior Politécnica del Litoral (ESPOL)

B.A. in Economics; Top-3%

Guayaquil, Ecuador

2014 - 2019

RESEARCH INTERESTS

Econometrics, Causal Inference, Machine Learning

PUBLICATIONS

- **Heterogeneous Treatment Effects on Prices of a Voluntary Inclusionary Zoning Program:** with Gonzalo E. Sánchez & Mario A. Fernández (*Housing Studies*, 2024)

WORK IN PROGRESS

- **Heterogeneous Treatment Effects with Continuous Treatments:** with Pedro H. C. Sant'Anna
- **Triple Differences: Doubly Robustness, Semiparametric Efficiency and Beyond:** with Pedro H. C. Sant'Anna

RESEARCH EXPERIENCE

Emory University

Research Assistant to:

- Prof. Pedro H.C. Sant'Anna: Spring 2024
- Prof. Elena Pesavento: Fall 2023

Atlanta, GA

Inter-American Development Bank

Research Assistant to Juan Pablo Chauvin, Ph.D.

Washington D.C.

Aug 2021 - Feb 2022

ESPOL

Research Assistant

Guayaquil, Ecuador

Jan 2018 - Sept 2019

TEACHING EXPERIENCE

Emory University

Teaching Assistant

Atlanta, GA

- **ECON 621 - Econometric Methods I:** (Graduate) Spring 2024
- **QTM 365 - Parametric Statistics:** (Undergraduate) Fall 2023
- **ECON 320 - Econometrics:** (Undergraduate) Fall 2023

ESPOL

Teaching Assistant

Guayaquil, Ecuador

2017 - 2019

- **Econometrics II:** (Undergraduate) Potential Outcomes Framework, Instrumental Variables, Regression Discontinuity Design, Panel Data and Difference-in-Differences.
- **Statistical Inference:** (Undergraduate) Continuous Distributions, Point Estimate, Confidence Interval, Hypothesis Testing, Maximum Likelihood Estimation, ANOVA, and Linear Regression.

WORK EXPERIENCE

Rappi

Sr. Data Scientist

Guayaquil, Ecuador

2021 - 2023

- Machine Learning Modeling
- MLOps and Machine Learning Engineering
- Software Engineering
- Experimentation

Nodel

Data Scientist

Guayaquil, Ecuador

2019 - 2021

- Data Science & Advanced Analytics
- Natural Language Processing
- Social Networks Analysis
- Times Series Analysis

AWARDS & HONORS

- 2022: Laney Graduate School Fellowship to Doctoral studies
- 2021: Best student in his Master's program (Valedictorian).
- 2019: Masters Full Scholarship for graduate studies at ESPOL.
- 2018: Elected as a Student Representative to the Board of Directors of the School of Social Science and Humanities, ESPOL.
- 2018: Won a *Merit Scholarship* based on high-achieving and academic distinction (Undergraduate level) in the Department of Economics at ESPOL.
- 2011-2014: Winner of the *Medalla Escolar* from Benemerit Guayas Philanthropic Society (awarded to the best students of all the schools in the City of Guayaquil).

SEMINARS & CONFERENCES

- 2020: Paper *Analyzing Global and Local News Differences in Latin America* accepted in 12th International Conference on Social Informatics
- 2019: Paper *CEO Gender and Firm Performance* accepted in *IX Semana Internacional de Economía, Quito, Ecuador*.
- 2019: Paper *Understanding Latin American Citizens Concerns through Online Newspapers* accepted in Latin American WEB Congress, San Francisco, CA, USA.

SKILLS & OTHER INFORMATION

- *Programming*: Python, R, C++, Stata, Matlab, SQL
- *Libraries & Technologies*: Scikit-learn, Pytorch, TensorFlow, MLflow, Databricks, AWS, Snowflake, Airflow, Spark
- *Languages*: Spanish (native), English (fluent)
- *Citizenship*: Ecuador