

# Marcelo Ortiz-Villavicencio

[marcelo.ortiz@emory.edu](mailto:marcelo.ortiz@emory.edu) | ☎ 470-929-5308 | **in:** [marcelortizv](#) | **📧:** [marcelortizv](#)

**🌐:** [marcelortiz.com](#)

Atlanta, GA

Last updated: March 2024

## 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

1. Heterogenous treatment effects of a voluntary Inclusionary Zoning program on housing prices.  
(with Gonzalo E. Sánchez & Mario A. Fernández, *Housing Studies*, 2024)

## WORK IN PROGRESS

1. Triple Differences: Doubly Robustness, Efficiency and Beyond.  
(with Pedro H. C. Sant'Anna)
2. Heterogeneous Treatment Effects with Continuous Treatments.

## 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

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### **Rappi**

*Sr. Data Scientist*

Guayaquil, Ecuador

2021 - 2023

### **Nodel**

*Data Scientist*

Guayaquil, Ecuador

2019 - 2021

## AWARDS & HONORS

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- 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

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- 2020: *12th International Conference on Social Informatics (Online)*
- 2019: *IX Semana Internacional de Economía (Quito, Ecuador)*.
- 2019: *Latin American WEB Congress (San Francisco, CA)*.

## SKILLS

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- *Computer Languages*: Python, R, Stata, SQL, C++, Matlab
- *Libraries & Technologies*: Scikit-learn, Pytorch, TensorFlow, MLflow, Databricks, AWS, Snowflake, Airflow, Spark

## OTHER INFORMATION

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- *Languages*: Spanish (native), English (fluent)
- *Citizenship*: Ecuador