

# Marcelo Ortiz-Villavicencio

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Atlanta, GA  
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## EDUCATION

<b>Emory University</b> <i>Ph.D in Economics</i>	Atlanta, GA 2022 - current
<b>Relevant Coursework:</b> 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.	
<b>Escuela Superior Politécnica del Litoral (ESPOL)</b> <i>M.Sc. in Economics; Valedictorian</i>	Guayaquil, Ecuador 2019 - 2021
<b>Escuela Superior Politécnica del Litoral (ESPOL)</b> <i>B.A. in Economics; Top-3%</i>	Guayaquil, Ecuador 2014 - 2019

## RESEARCH INTERESTS

Econometrics, Causal Inference, Machine Learning, Applied Microeconomics

## 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

<b>Emory University</b> <i>Research Assistant to:</i> <ul style="list-style-type: none"><li>◦ Prof. Pedro H.C. Sant'Anna: Spring 2024 - current</li><li>◦ Prof. Elena Pesavento: Fall 2023</li></ul>	Atlanta, GA
<b>Inter-American Development Bank</b> <i>Research Assistant to Juan Pablo Chauvin, Ph.D.</i>	Washington D.C. Aug 2021 - Feb 2022
<b>ESPOL</b> <i>Research Assistant</i>	Guayaquil, Ecuador Jan 2018 - Sept 2019

## TEACHING EXPERIENCE

<b>Emory University</b> <i>Teaching Assistant</i> <ul style="list-style-type: none"><li>◦ <b>ECON 621 - Econometric Methods I:</b> (Graduate) Spring 2024</li><li>◦ <b>QTM 365 - Parametric Statistics:</b> (Undergraduate) Fall 2023</li><li>◦ <b>ECON 320 - Econometrics:</b> (Undergraduate) Fall 2023</li></ul>	Atlanta, GA
<b>ESPOL</b> <i>Teaching Assistant</i> <ul style="list-style-type: none"><li>◦ <b>Econometrics II:</b> (Undergraduate) Potential Outcomes Framework, Instrumental Variables, Regression Discontinuity Design, Panel Data and Difference-in-Differences.</li><li>◦ <b>Statistical Inference:</b> (Undergraduate) Continuous Distributions, Point Estimate, Confidence Interval, Hypothesis Testing, Maximum Likelihood Estimation, ANOVA, and Linear Regression.</li></ul>	Guayaquil, Ecuador 2017 - 2019

## 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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- 2024: *Optimization-Conscious Econometrics Summer School (The University of Chicago)*.
- 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