

# Paola Jaimes Santamaría

Doctoral Candidate ■ University of Ottawa

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Specializing in development economics with advanced skills in econometrics, spatial data analysis, and mixed methods research. Proficient in program evaluation and data analysis to drive impactful policy solutions.

## Skills

Statistics	Stata (Advanced), R (Intermediate), Python (arcpy, pandas, numpy, matplotlib)
GIS Software	ArcGIS Pro, QGIS
Data Visualization	PowerBI, Tableau
Languages	Spanish (Native), English (Fluent), French (Beginner)

## Education

- 2024 **Ph.D. in Economics**, *University of Ottawa*, Ottawa.  
(expected) **Specializations:** Development Economics; Natural-Resource and Environmental Economics
- 2017 **Master's in Economics (with Honors)**, *National Autonomous University of Mexico (UNAM)*, Mexico City.  
Thesis: *Agricultural and land policies in Colombia: recent implications of agribusiness in the Attilanura.*
- 2014 **Bachelor's in Economics**, *Industrial University of Santander (UIS)*, Bucaramanga.  
Thesis: *Electrification of non-interconnected areas using solar energy: a comparative analysis for the Colombian case.*

## Professional Experience

- January – April 2023 **Research Assistant, Department of Economics, University of Ottawa.**  
Project: *CARES Act and Violent Crimes in the U.S.*  
Conducted data analysis and literature review to study the impact of the CARES Act on violent crime rates in the U.S. using Stata.  
Simulated a theoretical model of informal financial markets using Python.
- January – June 2022 **Research Assistant, Ottawa Applied Microeconomics Lab.**  
Project: Mapping Chinese and World Bank transportation infrastructure projects in African countries using ArcGIS Pro.
- September – December 2021 **Research Assistant, Department of Economics, University of Ottawa.**  
Project: *COVID-19 and Crime in California.*  
Performed weekly-county level data collection and econometric analysis to examine the impact of COVID-19 on crime rates in California using Stata.
- January – December 2013 **Research Assistant, Mining and Energy Planning Unit (UPME) & Center for Research for Sustainable Development (CIDES).**  
Project: *Survey on Non-Conventional Sources of Renewable Energy in Colombia.*  
Conducted surveys and data analysis on the use of renewable energy sources in non-interconnected areas of Colombia.

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## Teaching Experience

- January 2024 **Instructor, Part-time Professor, Department of Economics, University of Ottawa.**  
– April 2024 Course: [Introduction to Development Economics \(ECO 2117\)](#).  
Developed course materials, including lectures, assignments, and exams.  
Taught undergraduate students key concepts in development economics, explored theoretical models, and discussed empirical methods in applied economics.
- June 2024 **Instructor, Stata Workshop (Mini-Course) for second-year doctoral students in Economics, University of Ottawa.**  
Developed materials and provided hands-on training in Stata, covering data exploration, data manipulation, graphical analysis, regression analysis, and post-estimation techniques.
- June 2022 & June 2023 **Instructor, L<sup>A</sup>T<sub>E</sub>X Workshop (Mini-Course) for second-year doctoral students in Economics, University of Ottawa.**  
Created instructional materials and conducted practical training sessions to help students effectively use L<sup>A</sup>T<sub>E</sub>X for academic writing and presentations.
- September 2018 – June 2024 **Teaching Assistant, Department of Economics, University of Ottawa.**  
Assisted in delivering various courses, including *Economics of Natural Resources (Graduate)*, *Advanced Microeconomic Theory IV (Graduate)*, *Probability and Statistics*, *Introduction to Environmental and Natural Resources Economics*, *Macroeconomic Theory I*, *Financial Econometrics*, *Introduction to Microeconomics and Macroeconomics*, and *Analysis of Economic and Social Data*.

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## Academic Research

### Published Journal Articles

- 2017 **Paola Jaimes and Guillermo Matamoros**, [What Happened to the Empty Box of Latin American Development 30 Years Later?](#), *Problemas del Desarrollo*, volume 48, pages 9-26. Instituto de Investigaciones Económicas. Universidad Nacional Autónoma de México.

### Working papers

**Paola Jaimes**, Land Conflicts in the Wake of Gold Mining Expansion in Colombia.

### Work in progress

**Louis Hotte and Paola Jaimes**, Explaining the 2020 Pandemic Homicide Puzzle: Theory and Evidence.

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## Presentations

- 2024 **58th Annual Meetings of the Canadian Economics Association**, Toronto, ON.  
2023 **18th Defence and Security Economics Workshop**, Ottawa, ON.  
2021 – 2023 **"Brown-bag" workshops**, Department of Economics, University of Ottawa.  
2023 **XVIII CIREQ Ph.D. Students' Conference**, Montreal, QC.  
2017 **18th Edition of the Summer School on Latin American Economies**, ECLAC, Santiago de Chile.  
2016 **Conference on the 40 years of the Institute of Latin American Studies**, LaTrobe University, Melbourne.

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## Academic Achievements & Recognitions

- 2018 **Jesus Silva-Herzog Annual Prize in Economic Research**, *National Autonomous University of Mexico*.  
Awarded annually to the best article published in *Problemas del Desarrollo*, based on criteria such as analytical and methodological rigor, empirical and bibliographic support, and the importance and relevance of the study.

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## Volunteer and Civic Engagement

2021 – **Active Member**, Defendamos la Paz, Internacional (*Let's Defend Peace - International*)  
Present

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## Scholarships and Bursaries

### Scholarships

2018 – 2024 **University of Ottawa International Doctoral Scholarship**, University of Ottawa.

2018 – 2022 **University of Ottawa International Partial Admission Scholarship**, University of Ottawa.

2016 – 2017 **Graduate Scholarship**, CONACyT, Mexico.

### Bursaries

2023 **Serge Nadeau Memorial Thesis Completion Grant**, Department of Economics, University of Ottawa.

2021 **Bursary Competition**, Department of Economics, University of Ottawa.

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## References

### Louis Hotte

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*Supervisor of the PhD Program*  
*Department of Economics*  
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