

# Paola Jaimes Santamaría

Doctoral Candidate ■ University of Ottawa

Social Sciences Building (9052)  
Ottawa, ON, K1N 6N5  
✉ [paola.jaimes@uOttawa.ca](mailto:paola.jaimes@uOttawa.ca)  
🌐 My Personal Website  
🐙 Github   in LinkedIn

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 PowerBI, Tableau  
Visualization  
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 – **Research Assistant, Department of Economics**, *University of Ottawa*.  
April 2023 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. Performed simulations of the theoretical model using Python.  
January – **Research Assistant, Ottawa Applied Microeconomics Lab**, *University of Ottawa*.  
June 2022 Project: Mapping Chinese and World Bank transportation infrastructure projects in African countries using ArcGIS Pro.  
September – **Research Assistant, Department of Economics**, *University of Ottawa*.  
December 2021 Project: *COVID-19 and Crime in California*. Performed data collection and econometric analysis to examine the impact of COVID-19 on crime rates in California using Stata.  
January – **Research Assistant, Mining and Energy Planning Unit (UPME) & Center for Research for Sustainable Development (CIDES)**.  
December 2013 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.

## 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*.

## 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.

## 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.

## 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.

## 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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## Volunteer and Civic Engagement

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

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## References

### Louis Hotte

*Associate Professor of Economics*  
*Supervisor of the PhD Program*  
*Department of Economics*  
University of Ottawa  
☎ 613-562-5800 ext. 1692  
✉ Louis.Hotte@uOttawa.ca

### Jason Garred

*Associate Professor*  
*Department of Economics*  
University of Ottawa  
☎ 613-562-5800  
✉ Jason.Garred@uOttawa.ca

### Louis-Philippe Morin

*Full Professor*  
*Department of Economics*  
University of Ottawa  
☎ 613-562-5800 ext. 4867  
✉ lmorin@uOttawa.ca