

# DANIEL JARAMILLO CALDERON

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## RESEARCH INTERESTS

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Development Economics, Economics of Crime and Conflict, and Applied Econometrics

## EDUCATION

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<b>Ph.D. in Economics</b> , <i>The University of British Columbia</i>	<i>Sept 2019 - May 2025 (expected)</i>
<b>M.A. in Economics</b> , <i>The University of British Columbia</i>	<i>Sept 2017 - Aug 2018</i>
<b>B.Sc. in Economics</b> , <i>Pontificia Universidad Católica del Ecuador</i>	<i>Sept 2011 - May 2015</i>

## RESEARCH

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### Working Papers

- Gangs, Truce and their Effect on Firms' Outcomes (with *Phillip Keefer*)

### Work in Progress

- The Criminogenic Effects of Releasing Offenders. Evidence from Ecuador
- Reducing Sentence Disparities by Ingroup Contact
- The Long-term Effect of Missions on Conflict: Evidence from Ghana (with *Siwan Anderson*)
- Climate Change and Conflict, a Gendered Perspective (with *Siwan Anderson*)
- Religious Conflict and Violence Against Women (with *Siwan Anderson and Sara Benetti*)

## WORK EXPERIENCE

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<b>The University of British Columbia</b>	Jul 2024 - Aug 2024
<i>Instructor of Record: Working with Big Data</i>	<i>Vancouver, BC</i>

- I developed and taught the course “*Working with Big Data*”, offered by the Faculty of Arts as part of UBC's summer program.
- The course offers an introduction to Data Science, covering topics such as programming fundamentals, version control, data analysis and wrangling, visualization, regression, and classification. It instructs students on the use of popular Python packages for Data Science, including pandas, NumPy, scikit-learn, Matplotlib, and seaborn.

<b>Inter-American Development Bank</b>	Sep 2018 - Aug 2019
<i>Research Fellow</i>	<i>Washington, DC</i>

- Designed and executed experiments (A/B testing) to estimate the impact of government audits on firms' outcomes.
- Applied ML techniques (clustering) to generate crime hotspots and predict the incidence of crime.
- Employed econometric and statistical models to estimate the effects of crime victimization of firms' size.

<b>National Secretary of Planning and Development</b>	Jun 2016 - Jun 2017
<i>Economic Advisor</i>	<i>Quito, Ecuador</i>

- Designed a statistical model to forecast poverty using household survey data, obtaining a 92% accuracy.
- Executed and analyzed experiments directed at improving the quality of life for low-income families.
- Prepared presentations about budget performance, extensively using visual aids for enhanced comprehension.

<b>Superintendence of Economic Competition</b>	Nov 2014 - May 2016
<i>Market Analyst</i>	<i>Quito, Ecuador</i>

- Applied econometric models to define relevant markets and estimate market power.
- Collected and analyzed data to extract insights and understand sectorial trends.

## AWARDS AND FELLOWSHIPS

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- Young Researchers Fellowship - Mentor, LIDE (Ecuador), 2024-2025.
- Faculty of Arts Graduate Award (UBC), 2019-2024
- President's Academic Excellence Initiative PhD Award (UBC), 2020-2024
- CIDE Doctoral Fellowship, Vancouver School of Economics (UBC), 2019-2020.
- CIDE Masters Fellowship, Vancouver School of Economics (UBC), 2017-2018.
- Universities of Excellence Scholarship, Ministry of Education (Ecuador), 2017 (declined).
- RCM Fellowship, Pontificia Universidad Católica del Ecuador, 2014.

## SKILLS

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<b>Programming</b>	Python, SQL, Julia, git
<b>Statistical Packages</b>	R, Stata
<b>Markup</b>	L <sup>A</sup> T <sub>E</sub> X, Markdown