

DANIEL JARAMILLO CALDERON

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EDUCATION

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

RESEARCH INTERESTS

Development Economics, Public Economics, and Economics of Crime

REFERENCES

Siwan Anderson (Co-chair)
Vancouver School of Economics
The University of British Columbia
siwan.anderson@ubc.ca

Claudio Ferraz (Co-chair)
Vancouver School of Economics
The University of British Columbia
claudio.ferraz@ubc.ca

Samuel Norris
Vancouver School of Economics
The University of British Columbia
sam.norris@ubc.ca

Munir Squires
Vancouver School of Economics
The University of British Columbia
munir.squires@ubc.ca

RESEARCH

Job Market Paper

- The Criminal Spillover Effects of Releasing Offenders: Evidence from Ecuador. [\[PDF\]](#)

Working Papers

- Gangs, Truce and their Impact on Firms: Evidence from El Salvador. (with *Phillip Keefer*) [\[PDF\]](#)
- Climate Change and Female Targeted Conflict. (with *Siwan Anderson*) [\[PDF\]](#)

Work in Progress

- Religious Violence in Africa (with *Siwan Anderson* and *Sara Benetti*)
- Long-term Effects of Missionary Activity on Conflict: Evidence from Ghana (with *Siwan Anderson*)
- The Role of Neighborhoods and Prisons in Building Criminal Networks
- Reducing Sentence Disparities by Ingroup Contact

TEACHING EXPERIENCE

Instructor of Record

- Developed and taught “*Working with Big Data*” an introductory Data Science course covering programming fundamentals, version control, data analysis and wrangling, visualization, regression, and classification. The course trained students to use popular Python packages such as pandas, NumPy, scikit-learn, Matplotlib, and seaborn.
- [Students' Evaluations](#)

Teaching Assistant

- ECON 323 - Quantitative Economic Modeling and Data Science (UBC), 2022 - 2024.
- ECON 482 - The Economic Consequences of Religion (UBC), 2024.
- ECON 441 - The Process of Economic Development (UBC), 2024.
- ECON 101 - Principles of Microeconomics (UBC), 2021-2022.
- Intermediate Econometrics (PUCE), 2015.
- Industrial Organization (PUCE), 2015.
- Statistics II (PUCE), 2014.

PROFESSIONAL EXPERIENCE

Economic Consultant, Inter-American Development Bank. Washington, DC Sep 2018 - Aug 2019

- Estimated the effect of crime on firms' size using a Diff-in-Diff model, finding an 8% reduction for affected firms.
- Applied clustering techniques to generate crime hotspots, achieving 82% precision on a dataset of 500,000+ incidents.
- Designed and executed experiments to estimate the impact of government audits on firms' revenues.

Economic Advisor, National Secretary of Development. Quito, Ecuador Jun 2016 - Jun 2017

- Built a statistical model to forecast poverty with 92% accuracy using household survey data (1M+ yearly observations).
- Helped manage a \$10M fund for pre-investment infrastructure, focusing on evaluation and project monitoring.
- Advised the Ecuadorian Financial and Monetary Board on investment and budget planning.

Market Analyst, Superintendence of Economic Competition. Quito, Ecuador Nov 2014 - May 2016

- Collected and analyzed over 1 million firm-level observations to define relevant markets and estimate market power.
- Collaborated with firms' representatives and regulatory authorities to discuss regulatory policies.

AWARDS AND FELLOWSHIPS

- 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
- CIDER Doctoral Fellowship, Vancouver School of Economics (UBC), 2019-2020.
- CIDER 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

Programming	Python, SQL, Julia, git
Statistical Software	R, Stata
Markup	L ^A T _E X, Markdown