

# Cesar (Augusto) Lopez

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## Research interests

Economic development policy and finance, causal inference, remote sensing, artificial intelligence, agricultural and natural resource economics, social networks theory and analysis

## Education

2025 ( <i>expected</i> )	Ph.D. in Environment and Resources, Stanford University
2025	M.A. in Economics, Stanford University
2013	B.A. in Economics, University of California, Berkeley

## Research & professional experience

2015–2024	Research Consultant, Inter-American Development Bank (IDB)
2014–2015	Research Analyst, <a href="#">AidGrade</a>
2013–2014	Research Assistant, University of California, Berkeley

## Work in progress

The role of development institutions in advancing sustainable irrigation (with Rosamond L. Naylor and James H. Jones) [*Manuscript submitted and under review*]

Short-term impacts of participatory irrigation development on household welfare: Evidence from Bolivia (with Lina Salazar, Mario Gonzáles-Flores, and Luis Enrique Miranda)

Local economic effects of participatory irrigation development

Social network structure for agricultural policy and sustainable development (with James H. Jones)

Irrigation and agricultural development among smallholders: Geospatial evidence from Bolivia

Agricultural input subsidies, food security, and poverty traps: Evidence from El Salvador

## Peer-reviewed publications

Turner, M. A., Singleton, A. L., Harris, M. J., **Lopez, C. A.**, Harryman, I., Arthur, R. F., ... & Jones, J. H. (2023). Minority-group incubators and majority-group reservoirs for promoting the diffusion of climate change and public health adaptations. *Philosophical Transactions of the Royal Society B*, 378(1889), 20220401

## Working papers

Aramburu, J., Garone, L. F., Maffioli, A., Salazar, L., & **Lopez, C. A.** (2019). *Direct and spillover effects of agricultural technology adoption programs: Experimental evidence from the Dominican Republic* ([IDB Working Paper No. IDB-WP-00971](#)). Inter-American Development Bank.

## Teaching experience

- 2024: Capstone project seminar in environment and resources, Stanford University
- 2024: Pursuing sustainability: Managing complex social–environmental systems, Stanford University
- 2023: Remote sensing of land, Stanford University

## Conference presentations

- 2024: Natural Capital Symposium 2024–Mainstreaming Nature in Policy & Investment Decisions; Stanford University, California, June 6
- 2023: Bolivian Conference on Development Economics (BCDE); La Paz, Bolivia, November 9–10
- 2022: Western Economic Association International (WEAI) Conference; session on Health Care, Pensions, Agricultural Investments and Macroeconomic Shocks (Virtual, Discussant), June 30
- 2018: Agricultural & Applied Economics Association (AAEA) Annual Meeting, Washington, D.C., August 5–7
- 2018: International Conference of Agricultural Economists (ICAE), Vancouver, Canada, Jul. 28–Aug 2
- 2017: International Association of Agricultural Economists (IAAE) Inter-Conference Symposium. University of Talca, Chile, October 17–19

## Grants, fellowships, scholarships, and awards

- Stanford-Tinker Foundation Research Funding (\$27,000), 2024.
- Stanford's King Center on Global Development's Graduate Student Research Funding: Advanced award (\$12,000), 2024
- Emmett Interdisciplinary Program in Environment & Resources (E-IPER) Research Grant (\$4,000), 2024
- Stanford's King Center on Global Development's Graduate Student Research Funding (\$5,000), 2023
- Stanford Doerr School of Sustainability (SDSS) Research Grant (\$2,300), 2023
- Stanford's Center on Philanthropy and Civil Society (PACS), Small Grants Program (\$2,000), 2023
- Emmett Interdisciplinary Program in Environment & Resources (E-IPER) Research Grant (\$4,000), 2023
- George Mason University's Institute for Humane Studies (IHS) Expense Support Grant (\$5,000), 2023
- Stanford Doerr School of Sustainability (SDSS) Fellowship, 2023
- Hispanic Scholarship Fund (HSF) Scholarship, 2023
- Emmett Interdisciplinary Program in Environment & Resources (E-IPER) Research Grant (\$4,000), 2022
- Stanford Earth Research Grant (\$2,000), 2022
- BNY Mellon/Hispanic Scholarship Fund (HSF) Scholarship (\$5,000), 2022
- Emmett Interdisciplinary Program in Environment & Resources (E-IPER) Research Grant (\$4,000), 2021
- Emmett Interdisciplinary Program in Environment & Resources (E-IPER) Research Grant (\$4,000), 2020
- Stanford Earth Dean's Doctoral Fellowship, 2019–2022
- Stanford's Enhancing Diversity in Graduate Education (EDGE) Doctoral Fellowship, 2019

## Professional activities

American Economic Association (AEA) Mentoring Program, 2021-2025

## Personal

**Citizenship:** United States, El Salvador

**Languages:** Spanish (*native*), English (*fluent*), Portuguese (*beginner*)

**Technical Skills:** R, Python, Stata,  $\text{\LaTeX}$ , GIS, Google Earth Engine (GEE)

## Dissertation committee

[Rosamond L. Naylor](#) (co-primary advisor)  
Stanford Doerr School of Sustainability

[James Holland Jones](#) (co-primary advisor)  
Stanford Doerr School of Sustainability

[David Lobell](#) (reader)  
Dept. of Earth System Science

[Marshall Burke](#) (reader)  
Stanford Doerr School of Sustainability

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