

Cesar (Augusto) Lopez

cesarlop@stanford.edu ◇ www.lopez-cesar.com

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

2015–2023	Research Consultant, Inter-American Development Bank (IDB)
2014–2015	Research Analyst, AidGrade
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, \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

Last updated: September 10, 2025

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