Curriculum Vitae - Bruno Calderón Hernández

brunoch@umich.edu https://www.bruno-calderon.com (+1) 619 872 1991

Education

2026- 2032 **PhD**, Political Science, University of Michigan, Michigan

2022- 2024 **Master**, Applied Economics, Instituto Tecnológico Autónomo de México (ITAM), Mexico City

Advisor Dr. Horacio Larreguy
Thesis: Human Capital and Demographic Consequences of Trade Liberalization in Mexico: Evidence from Cohort Exposure to NAFTA

Courses
Applied Research I and II, Applied Econometrics I and II, Applied Macroeconomics, Applied Microeconomics, Computational Economics, Behavioral Economics

2015 - 2021 Bachelor of Arts, Economics, San Diego State University (SDSU), California

Courses
Statistical Methods, Mathematical Economics, Intermediate Macroeconomic Theory, Intermediate Microe--conomic Theory, International Monetary Theory and Policy, Statics, Thermodynamics, Calculus I,II, and III, Economics of Financial Crises Fluid Dynamics

Published papers

2026 Calderón Villarreal, C., & Calderón-Hernández, B. (2026). Verdoorn's law and the heterogeneity of Mexico's manufacturing industry. *Investigación Económica, 85*(337), 13–45. https://doi.org/10.22201/fe.01851667p.2026

2025 Batmanov, A., Grigoryeva, I., Calderón-Hernández, B., González-Téllez, R., & Guardiola, A. (2025). Beliefs, information sharing, and mental health care use among university students. *Journal of* Development Economics, 103646. https://doi.org/10.1016/j.jdeveco.2025.103646

2025 Calderón-Hernández, B., Larreguy, H., Marshall, J., et al. (2025). Electoral precinct-level database for Mexican municipal elections. *Scientific Data, 12*, 582. https://doi.org/10.1038/s41597-025-04918-9

2025 Calderón-Hernández, B., Calderón Villarreal, C., & Huesca Reynoso, L. (2025). Impact des TIC, secteurs économiques et localisation géographique sur les salaires au Mexique. In V. Bérenger & A. Marouani (Eds.), *Pauvretés multiples: Les défis contemporains, les évolutions constatées et les politiques émergentes* (pp. 139–162). https://www.istegroup.com/fr/produit/pauvretes-multiples/

Works in Progress

In progress *Politics as the Continuation of War: Former Paramilitary in Democracy* (with Mateo Vásquez-Cortés and José Luis Pérez Castellanos)

Research Experience

Jun. 2026 - present University of Michigan
Graduate Student Research Assistant, Ann Arbor, Michigan

- Research assistant to Cesi Cruz on a book about social networks and politics in the Philippines and Latin America.
- Conduct literature reviews, replication data audits, and descriptive analyses of survey data on networks, clientelism, and political participation.

Aug. 2023 - Aug. 2026 Academic Collaboration with UCSD in Mexico
Research Assistant, Mexico City

- Coauthored "Beliefs, Information Sharing, and Mental Health Care Use Among University Students" (*Journal of Development Economics*), based on a randomized controlled trial at a large private university in Mexico that studies how stigma and misconceptions shape demand for professional mental health care.
- Helped design and implement an online survey experiment with 680 students, analyzing how an information intervention affects beliefs, peer recommendations, and willingness to pay for mental health services.
- Participated in an experimental project evaluating the impact of individual versus group training for tutors on educational outcomes for young people in Mexico.

May 2023 - Aug. 2026 Ministry of Science, Humanities, Technology, and Innovation (SECIHTI), Mexico City
Research Assistant, Mexico City

- Contributed to the creation of an undergraduate textbook on International Economics, focusing on applied examples that combine international trade theory with empirical analysis using data and R programming.

Dec. 2023 - Aug. 2026 Center for Economic Research (CIE) – Instituto Tecnológico Autónomo de México (ITAM)
Research Assistant, Mexico City

- Analyzed experimental data and existing code from a randomized controlled trial in Turkey to study how exposure to ideologically opposed media affects political polarization, comparing treatment effects between traditional digital media outlets and fact-checking outlets.
- Coauthored "Electoral precinct-level database for Mexican municipal elections" (*Scientific Data*, Nature), which compiles a standardized precinct-level panel of municipal election results in Mexico (1994–2019), enabling panel and regression discontinuity designs in local politics.

Jan. 2025 - Oct. 2025 United Nations Development Programme (UNDP) – Ministry of Foreign Affairs: North America Unit
Deputy Director in Economic Affairs and Innovation, Mexico City

- Served as Deputy Director of Economic Research and Innovation, supporting economic and innovation initiatives related to North America.
- Conducted policy analysis and economic research on regional socioeconomic integration, trade, and investment, and helped coordinate intergovernmental collaboration between UNDP, the Mexican Ministry of Foreign Affairs (SRE), and other stakeholders.
- Contributed to the development of strategies for economic diplomacy and regional cooperation.

Aug. 2021 - Jul. 2022 Food and Development Research Center (CIAD)
Research Assistant, Hermosillo, Sonora

- Worked on the MEXMOD microsimulation model of taxes and transfers in Mexico, improving operational databases and data inputs for the 2000 and 2010 periods.
- Used the model to analyze how changes in the fiscal system and social transfers affect household incomes and distributional outcomes.

Conferences

Nov. 2024 First International Conference of the journal *Investigación Económica*,
National Autonomous University of Mexico, Mexico City.
Presentation "Verdoorn's Law and Structural Heterogeneity in Mexico's Manufacturing Sector"

Jun. 2024 Reaction and Resistance: Imagining Possible Futures in the Americas,
Latin American Studies Association (LASA) Summit, Bogotá, Colombia.
Presentation "The Impact of 4G Connectivity on Health Outcomes within Mexican Municipalities"

Oct. 2022 International Multidisciplinary Conference: Multiple Forms of Poverty – Contemporary Challenges, Observed Trends, and Emerging Policies, Haute École du Travail et de l'Intervention Sociale, Nice, France.

Presentation "Impact on Wages in Mexico Associated with the Use of ICT, Economic Sectors, and Geographic Location"

Jul. 2022 34th Annual Meeting of the Society for the Advancement of Socioeconomics (SASE), University of Amsterdam, Amsterdam, Netherlands.

Presentation "Poverty, Economic and Regional Development in Mexico – Baja California: Economic Stagnation, Inequality, and Poverty"

Professional Service

2025 - present **Referee**, *Investigación Económica*, Facultad de Economía, Universidad Nacional Autónoma de México (UNAM).

Skills

Languages *French (native), English (native), Spanish (native)*

Programming *Stata, R, Python, Matlab, Latex, Git*

Honors and Awards

- **Research Award for Diversity, Inclusion, and Social Justice, CSU, Social Science Research and Instructional Council**, April 2021