

Bruno Calderón Hernández

Curriculum Vitae

Updated March 14, 2025

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Education

Instituto Tecnológico Autónomo de México (ITAM)

Mexico City

MS Applied Economics

August 2022 – May 2024

San Diego State University (SDSU)

San Diego, California

BA Economics

August 2019 – May 2021

Work Experience

United Nations Development Programme (UNDP) - Ministry of Foreign Affairs: North America Unit

Mexico City

Deputy Director in Economic Affairs and Innovation

January 2025 - Present

Acted as Deputy Director, supporting economic and innovation initiatives related to North America.

Conducted policy analysis and economic research on regional socioeconomic integration, trade, and investment. Assisted in coordinating intergovernmental discussions and collaboration efforts between the UNDP, Mexican Ministry of Foreign Affairs (SRE), and other stakeholders.

Contributed to the development of strategies for economic diplomacy and regional cooperation.

The National Council of Humanities, Sciences, and Technologies (CONAHCYT)

Mexico City

Research Assistant

May 2023 - Present

I participated in the creation of a book on International Economics for undergraduate students, primarily focusing on developing a technical application of international economics theories using data and R programming.

Center for Economic Research (CIE) - Instituto Tecnológico Autónomo de México (ITAM)

Mexico City

Research Assistant

December 2023 - February 2025

I participated in a project where a Randomized Controlled Trial (RCT) was implemented to evaluate the impact of media moderation on affective polarization in Turkey.

I'm currently working on a research project focused on creating a municipal election database at the electoral precinct level, covering the period from 1994 to 2019.

University of California San Diego (UCSD)

San Diego, CA

Research Assistant

August 2023 - April 2025

I'm currently working in a Randomized Controlled Trial (RCT) that measures the causal relationship between students' demands for mental health services and their well-being through a compensated survey.

I also participated in an experimental project that evaluates the impact of individual versus group training sessions for tutors on the educational attainment of young people.

Food and Development Research Center (CIAD)

Hermosillo, Sonora

Research Assistant

August 2021 - July 2022

I participated in the MEXMOD project, a microsimulation model of taxes and transfers in Mexico. In this project, I improved the operational databases by refining the data inputs for the periods 2000 and 2010. Additionally, I used the model to analyze how fiscal changes and transfers impact household incomes.

Publications

Batmanov, A., Grigoryeva, I., Calderón-Hernández, B., Gonzalez-Tellez, R., & Guardiola, A. (2025). Beliefs & demand for mental health services among university students. *Journal of Development Economics*. (Under Review).

Calderón-Hernández, B., Larreguy, H., Marshall, J., & Perez Castellanos, J. L. (2024). Electoral precinct-level database for Mexican municipal elections. *Nature Scientific Data Collection: Politics and Elections Data*. (Accepted).

Calderon-Hernandez, B., Huesca, L., & Calderon, C. (2023). Impact on Wages in Mexico Associated with the Use of ICT, Economic Sectors, and Geographic Location. *International Multidisciplinary Conference: Multiple Forms of Poverty – Contemporary Challenges, Observed Trends, and Emerging Policies*. Paris, France: ISTE Press – Elsevier. (Accepted).

**Research
Conferences**

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

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

"Impact on Wages in Mexico Associated with the Use of ICT, Economic Sectors, and Geographic Location" *International Multidisciplinary Conference: Multiple Forms of Poverty – Contemporary Challenges, Observed Trends, and Emerging Policies*. Haute Ecole du Travail et de l'Intervention Sociale, Nice, France, October 2022.

"Poverty, Economic and Regional Development in Mexico - Baja California: Economic Stagnation, Inequality, and Poverty." *34th Annual Meeting Society for the Advancement of Socioeconomics (SASE)*. University of Amsterdam, Amsterdam, Netherlands, July 2022.

Skills

Programming

R, Stata, Python, Matlab

Languages

Spanish, English, French

Awards

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