

FRANCISCO A. CASTELLANOS-SOSA

The University of Texas at Austin

+1 512-348-4950 | f.castellanos@utexas.edu | franciscocastellanos.com | [Google Scholar](#)

EDUCATION

The University of Texas at Austin

Ph.D. in Public Policy

expected 2023

Dissertation: Income inequality in the United States

Dissertation Committee: Kishore Gawande, James Galbraith, Chandler Stolp, Gordon Abner

M.Sc. in Economics

2019

Tecnológico de Monterrey (ITESM)

M.A. in Economy and Public Policy

2014

Thesis: Democracy and Economic Growth: Analysis by regions and country groups

Thesis Advisor: René Cabral

Universidad Autónoma de Nuevo León (UANL)

B.A. in Economics

2012

ADDITIONAL ACADEMIC TRAINING

Harvard University

Data Science (Professional Certificate)

expected 2022

University of Chicago / New Economic School

Socioeconomic Inequality (Summer School)

2021

RESEARCH AND TEACHING INTERESTS

International Affairs: International Trade, Political Economy, and Development

Applied Economics: Labor Economics, and Public Economics

Quantitative Methods: Causal Inference, and Data Science

PEER-REVIEWED PUBLICATIONS

- (4) Castellanos-Sosa, Francisco A., Cabral, René and Mollick, André Varella. 2022 “Energy reform and energy consumption convergence in Mexico: A spatial approach” *Structural Change and Economic Dynamics*, 61(1), 336-350
- (3) Flores-Segovia, Miguel and Castellanos-Sosa, Francisco A. 2021. “Proximity effects and labour specialization transitions in Mexico: a spatial Markov chain analysis” *Regional Studies*, 55(4), 575-589
- (2) **Castellanos-Sosa, Francisco A.** 2020. “Labor productivity convergence in Mexico” *International Journal of Political Economy*, 49(3), 243-260
- (1) Cabral, René and Castellanos-Sosa, Francisco A. 2019. “Europe’s income convergence and the latest global financial crisis” *Research in Economics*, 73(1), 23-34

RESEARCH TO REVISE AND RESUBMIT

- (1) Pérez, Marco and **Castellanos-Sosa, Francisco A.** “Political budget cycles: The role of candidate selection” At *Estudios Económicos*.

RESEARCH UNDER REVIEW

- (2) **Castellanos-Sosa, Francisco A.** “Immigration and income inequality in the United States”
- (1) **Castellanos-Sosa, Francisco A.** “Spatial income inequality in the United States”

RESEARCH IN PROGRESS

- (8) Robertson, Raymond, Ortiz-Osejo, Nereyda and **Castellanos-Sosa, Francisco A.** “U.S. Tariffs on Chinese Exports and U.S. Imports from Mexico”
- (7) **Castellanos-Sosa, Francisco A.** “Spatial spillovers of international trade”
- (6) **Castellanos-Sosa, Francisco A.** “Trade wars and income inequality”
- (5) **Castellanos-Sosa, Francisco A.** “Government Spending and Income Inequality”
- (4) **Castellanos-Sosa, Francisco A.** “Income Inequality and CO2 Emissions in the United States”
- (3) **Castellanos-Sosa, Francisco A.** “Decentralization and Economic Growth in Mexican Municipalities”
- (2) **Castellanos-Sosa, Francisco A.** and Canedo, Ana “Fear of deportation? Uncovering the labor market effects of Secure Communities”
- (1) Magee, Stephen P. and **Castellanos-Sosa, Francisco A.** “Estimating lost profits from patent infringement: A test on the duopoly/monopoly approach for the last two decades”

RESEARCH EXPERIENCE

Texas Census Institute

Research Associate 2022 –
- Estimate potential losses for FMAP programs in Texas due to Census undercounting
- Created a methodology to estimate Census undercounting at the county level in the U.S.

The University of Texas at Austin

Research Assistant 2017 –
- Estimated the effects of the recent global currency war
- Estimated theoretical lost profits due to patent infringement
- Estimated the effects of the 2003 Texas medical malpractice reforms on physician supply
- Identified the implications of capitalization and globalization in manufacturing industries

Instituto de Estudios en Gobierno y Finanzas Públicas (IEGFIP)

Executive Coordinator of Economic Research 2016 –
- Developed budget programs for Nuevo León’s state government
- Trained Nuevo León’s state secretariats on federal fiscal procedures
- Evaluated more than twenty state-level public programs across the country

Tecnológico de Monterrey (ITESM)

Projects Specialist at the Instituto para el Desarrollo Regional (IDR) 2015 – 2016
2013 – 2014
- Created the economic development plan for Dominican Republic
- Estimated México’s states competitiveness index
- Designed the competitiveness policy agenda for multiple México’s states
- Identified subnational strategic economic sectors

Research Assistant at the School of Government and Public Policy

- Compiled survey data and conveyed poverty microsimulations
- Evaluated the impact of social programs and federal funds

TEACHING EXPERIENCE (U.S.A.)

Texas A&M University

Lecturer at the Bush School of Government and Public Service

2020 –

Graduate level

Fundamentals of the Global Economy

TEACHING EXPERIENCE (MX)

Tecnológico de Monterrey (ITESM)

Professor of Practice at the EGADE Business School

2021 –

Graduate level

Statistics and Global Economics

Universidad del Valle de México (UVM)

Assistant Professor at the Department of Business

2016 – 2017

Graduate level

Econometric Models

Money and Capital Markets

Quantitative Methods for Business

Economics for Business

Undergraduate level

Microeconomics

Macroeconomics

International Economics

SELECTED CONFERENCES / PRESENTATIONS

Southern Economic Association, 92nd Annual Meeting, (Fort Lauderdale, Florida)	2022
APPAM, 44th Annual Meeting, (Washington, D.C.)	2022
Regional Science Association International, 69th North American Meeting, (Montreal, Canada)	2022
APPAM, 43rd Annual Meeting, (Austin, Texas)	2022
Public Choice Society, 59th Annual Meeting (Nashville, Tennessee)	2022
Southern Regional Science Association, 61st Annual Meeting (Austin, Texas)	2022
Western Economic Association International, 94th Annual Conference (San Francisco, California)	2019
European Central Bank Forum on Central Banking (Sintra, Portugal)	2019
Mid-Continent Regional Science Association, 47th Annual Conference (Charlotte, North Carolina)	2016
Public Choice Society, 52nd Annual Meeting (San Antonio, Texas)	2015
Western Economic Association International, 89th Annual Conference (Denver, Colorado)	2014
Public Choice Society, 51st Annual Meeting (Charleston, South Carolina)	2014

FELLOWSHIPS / HONORS / AWARDS

Institute for Human Studies at George Mason University

Human Studies Fellowship 2022

The University of Texas at Austin

Professional Development Award 2022

RKG CONNECT Fellowship 2022

PRC Statistical Consultant 2021 – 2022

Barbara Jordan Professional Development Fund 2021

Graduate Dean's Prestigious Fellowship Supplement 2017 – 2021

Department of Economics Fellowship 2017 – 2019

CONACYT (National Council of Science and Technology)

Stipendship for doctoral studies (ConTex Doctoral Fellowship) 2017 – 2022

Stipendship for master's studies 2013 – 2014

Tecnológico de Monterrey (ITESM – EGAP)

Scholarship for master's studies 2013 – 2014

PROFESSIONAL AFFILIATIONS

American Economic Association

Association for Public Policy Analysis & Management

Public Choice Society

Southern Economic Association

Southern Regional Science Association

Western Economic Association International

SELECTED CERTIFIED ONLINE COURSES

Statistics and R (HarvardX) | R Programming (Johns Hopkins University) | Python for Data Science and AI (IBM) | Academic Research (Laureate Network Office) | Evaluating Social Programs (MITx) | Macroeconometric Forecasting (IMFx) | Academic and Business Writing (BerkeleyX) | Urban Development and Housing (IDBx) | Statistical Thinking for Data Science and Analytics (ColumbiaX) | Introduction to Managing for Development Results (IDBx) | Social and Economic Networks: Models and Analysis (Stanford Online) | From Poverty to Prosperity: Understanding Economic Development (OxfordX) | Public Policy Challenges of the 21st Century (University of Virginia) | Moral Foundations of Politics (Yale)

SKILLS, AND SERVICE

Languages

Fully bilingual in English and Spanish

Programming

R, Python, Stata, Matlab

Reviewer for

Investigación Económica | Statistics, Politics and Policy | Energy Research & Social Science | Review of Development Economics | Asia-Pacific Journal of Regional Science