

FRANCISCO A. CASTELLANOS-SOSA

The University of Texas at Austin
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EDUCATION

Ph.D., Public Policy, The University of Texas at Austin	Exp. 2023
Data Science Professional Certificate, Harvard University	Exp. 2022
M.Sc., Economics, The University of Texas at Austin	2019
M.A., Economy and Public Policy, Tecnológico de Monterrey (ITESM)	2014
B.A., Economics, Universidad Autónoma de Nuevo León (UANL)	2012

RESEARCH AND TEACHING INTERESTS

Labor Economics, International Trade, Macroeconomics, Public Economics, International Political Economy, Latin American Political Economy, Quantitative Research Methods, Applied Econometrics, 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*. (In Press)
- (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

- (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.** “Immigration and income inequality in the United States”
- (6) **Castellanos-Sosa, Francisco A.** “Spatial spillovers of international trade”
- (5) **Castellanos-Sosa, Francisco A.** “Trade wars and income inequality”
- (4) **Castellanos-Sosa, Francisco A.** “Government Spending and Income Inequality”
- (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' cases”

TEACHING EXPERIENCE

Texas A&M University, Bush School of Government and Public Service

Lecturer

2020 –

Graduate level (Master of International Affairs program)

Fundamentals of the Global Economy (Spring 2020, 2021, 2022)

Tecnológico de Monterrey (ITESM), EGADE Business School

Professor of Practice

2021 – 2021

Graduate level (Online MBA program)

Statistics / Analytical Foundations of Business (2nd, 4th Quarters 2021)

Universidad del Valle de México (UVM), Department of Business

Assistant Professor

2016 – 2017

Graduate level (MBA program)

Econometric Models (Spring 2016)

Money and Capital Markets (Fall 2016, Spring 2017)

Economics for Business (Spring 2017)

Quantitative Methods for Business (Spring 2017)

Undergraduate level (Business program)

International Economics (Fall 2016)

Microeconomics (Fall 2016)

Macroeconomics (Fall 2016)

RESEARCH EXPERIENCE

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 social and public programs across the country

University of Texas at Austin, McCombs School of Business

Research Assistant

2017 – 2022

Analyzed effects of the recent global currency war
Measured theoretical lost profits due to patent infringement
Examined physician supply effects of the 2003 Texas medical malpractice reforms
Explored implications of capitalization and globalization in manufacturing industries

Tecnológico de Monterrey (ITESM), Instituto para el Desarrollo Regional (IDR)

Projects Specialist

2015 – 2016

Constructed economic development plans for the Dominican Republic
Updated México's states competitiveness index
Designed Competitiveness agendas for different México's states
Identified subnational strategic economic sectors

Tecnológico de Monterrey (ITESM), School of Government and Public Policy

Research Assistant

2013 – 2014

Compiled extensive survey data to convey microsimulations
Performed impact evaluation of social programs and federal funds

SELECTED CONFERENCES / PRESENTATIONS

The 43rd Annual Meetings of the Association for Public Policy Analysis & Management (APPAM Fall Research Conference) (Austin, Texas)	2022
The 59th Annual Meetings of the Public Choice Society (Nashville, Tennessee)	2022
The 61st Annual Meetings of the Southern Regional Science Association (Austin, Texas)	2022
The 94th Annual Conference of the Western Economic Association International (San Francisco, California)	2019
European Central Bank Forum on Central Banking (Sintra, Portugal)	2019
The 47th Annual Conference of the Mid-Continent Regional Science Association (Charlotte, North Carolina)	2016
The 52nd Annual Meetings of the Public Choice Society (San Antonio, Texas)	2015
The 89th Annual Conference of the Western Economic Association International (Denver, Colorado)	2014
The 51st Annual Meetings of the Public Choice Society (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

Mid-Continent Regional Science Association

Public Choice Society

Southern Regional Science Association

Western Economic Association International

ADDITIONAL TRAINING, SKILLS, AND SERVICE

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) | Designing a Multidimensional Poverty Index (OPHI/UNDP)

Languages

Fully bilingual in English and Spanish

Programming

R, Stata, Python, Matlab

Reviewer for

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