

# FRANCISCO A. CASTELLANOS-SOSA

The University of Texas at Austin  
Lyndon B. Johnson School of Public Affairs  
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## EDUCATION

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

## RESEARCH AND TEACHING INTERESTS

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Labor Economics, Public Economics, International Political Economy, International Trade, Latin American Political Economy, Quantitative Research Methods, Applied Econometrics, Data Science

## PEER-REVIEWED PUBLICATIONS

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- (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

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Pérez, Marco and **Castellanos-Sosa, Francisco A.** "Political budget cycles: The role of candidate selection" *Estudios Económicos*

**Castellanos-Sosa, Francisco A.**, Cabral, René and Mollick, André Varella "Energy reform and energy consumption convergence in Mexico: A spatial approach"

## RESEARCH IN PROGRESS

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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"

**Castellanos-Sosa, Francisco A.** and Canedo, Ana "Fear of deportation? Uncovering the labor market effects of Secure Communities"

**Castellanos-Sosa, Francisco A.** "Spatial spillovers of international trade"

**Castellanos-Sosa, Francisco A.** "Spatial income inequality in the United States"

## TEACHING EXPERIENCE

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- Tecnológico de Monterrey (ITESM), EGADE Business School**  
*Professor of Practice* 2021 –  
Graduate level (Online MBA program)  
Statistics / Analytical Foundations of Business (2<sup>nd</sup>, 4<sup>th</sup> Quarters 2021)
- 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)
- 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

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- University of Texas at Austin, McCombs School of Business**  
*Research Assistant* 2017 –  
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  
Investigated implications of capitalization and globalization in manufacturing industries
- Instituto de Estudios en Gobierno y Finanzas Públicas (IEGFIP)**  
*Executive Coordinator of Economic Research* 2016 – 2017  
Developed budget programs for Nuevo León's state government  
Trained Nuevo León's state secretariats on federal fiscal procedures  
Evaluated multiple social and public programs across the country
- Tecnológico de Monterrey (ITESM), Instituto para el Desarrollo Regional (IDR)**  
*Projects Specialist* 2015 – 2016  
Constructed economic development plans for 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 conveyed microsimulations  
Performed impact evaluation of social programs and federal funds

## CONFERENCES / PRESENTATIONS

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- “Europe’s income convergence and the latest global financial crisis” with René Cabral  
Accepted and presented at:  
The 94th Annual Conference of the Western Economic Association International (San Francisco, California) 2019  
European Central Bank Forum on Central Banking (Sintra, Portugal) 2019
- “Regional specialization transitions and technological intensity in Mexico’s manufacturing industry” with Amado Villarreal, and Miguel Flores  
Accepted and presented at:  
The 47th Annual Conference of the Mid-Continent Regional Science Association (Charlotte, North Carolina) 2016
- “Democracy and economic growth: Analysis by regions, country groups and income level “  
Accepted and presented at:  
The 52nd Annual Meetings of the Public Choice Society (San Antonio, Texas) 2015
- “On the effects of policy responsiveness on economic growth: Evidence from democratic nations” with Marco Pérez  
Accepted and presented at:  
The 89th Annual Conference of the Western Economic Association International (Denver, Colorado) 2014
- “Conditional political budget cycle: Evidence from democratic nations” with Marco Pérez  
Accepted and presented at:  
The 51st Annual Meetings of the Public Choice Society (Charleston, South Carolina) 2014
- “Evaluability of the 'Microenterprises' Impulse' program” with Araceli Ortega  
Accepted and presented at:  
The 2nd International Seminar: Analysis and Impact of Public Policies (Ciudad de México, México) 2013

## HONORS / AWARDS

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- Institute for Human Studies at George Mason University**  
Human Studies Fellowship 2022
- The University of Texas at Austin**  
CONNECT Fellowship 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**

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American Economic Association  
Association for Public Policy Analysis & Management  
Public Choice Society  
Mid-Continent Regional Science Association  
Western Economic Association International

## **CERTIFIED ONLINE COURSES**

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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)

## **OTHER**

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Fully bilingual in English and Spanish  
Econometrics & Data Science (R, Stata, Python, Matlab)