

# FRANCISCO A. CASTELLANOS-SOSA

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## EDUCATION

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### The University of Texas at Austin, Austin, Texas

*PhD in Public Policy*

August 2020 –

*MSc in Economics*

May 2019

### Harvard University, Online

*Data Science (Professional Certificate)*

January 2021 –

### Tecnológico de Monterrey (ITESM - EGAP), Monterrey, México

*MA in Economy and Public Policy*

December 2014

### Universidad Autónoma de Nuevo León (UANL), Monterrey, México

*BA in Economics*

December 2012

## TEACHING EXPERIENCE

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

*Lecturer*

January 2020 –

Graduate level (Master of International Affairs program)

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

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

*Assistant Professor*

January 2016 – May 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 INTERESTS

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Income Inequality | Labor Economics | Public Policy | International Trade | Development

## PUBLICATIONS (PEER-REVIEWED)

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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

**Castellanos-Sosa, Francisco A.** 2020. "Labor productivity convergence in Mexico" *International Journal of Political Economy*, 49(3), 243-260

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*

## RESEARCH UNDER REVIEW

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**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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"Estimating lost profits from patent infringement: A test on the duopoly/monopoly approach for the last two decades' cases", with Stephen P. Magee

"Fear of deportation? Uncovering the labor market effects of Secure Communities", with Ana Canedo  
"Spatial spillovers of international trade"

## RESEARCH EXPERIENCE

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**University of Texas at Austin**, McCombs School of Business, Austin, Texas

*Research Assistant*

September 2017 - Present

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)**, Monterrey, México

*Executive Coordinator of Economic Research*

June 2016 – August 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), Monterrey, México

*Projects Specialist*

April 2015 – May 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, Monterrey, México

*Research Assistant*

January 2013 – December 2014

Compiled extensive survey data to conveyed microsimulations

Performed impact evaluation of social programs and federal funds

**Universidad Autónoma de Nuevo León (UANL)**, School of Economics, Monterrey, México

*Research Assistant*

July 2012 – December 2012

Collected financial and stock market data

Conducted econometric analysis

## CONFERENCES / PRESENTATIONS

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The 94th Annual Conference of the Western Economic Association International, San Francisco, California	June 2019
European Central Bank Forum on Central Banking, Sintra, Portugal	June 2019
The 47th Annual Conference of the Mid-Continent Regional Science Association, Charlotte, North Carolina	June 2016
The 52nd Annual Meetings of the Public Choice Society, San Antonio, Texas	March 2015
The 89th Annual Conference of the Western Economic Association International, Denver, Colorado	June 2014
The 51st Annual Meetings of the Public Choice Society, Charleston, South Carolina	March 2014
The 2nd International Seminar: Analysis and Impact of Public Policies, Ciudad de México, México	September 2013

## HONORS / AWARDS

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### **The University of Texas at Austin**

Barbara Jordan Professional Development Fund	January 2021 – May 2021
Graduate Dean's Prestigious Fellowship Supplement	September 2017, 2018, 2019, 2020, 2021
Department of Economics Fellowship	September 2017 – August 2019

### **CONACYT (National Council of Science and Technology)**

Stipendship for doctoral studies (ConTex Doctoral Fellowship)	September 2017 – May 2022
Stipendship for master's studies	January 2013 – December 2014

### **Tecnológico de Monterrey (ITESM – EGAP)**

Scholarship for master's studies	January 2013 – December 2014
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## 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)