

DANIEL PRUDENCIO

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US Permanent Resident

Dual citizenship: Bolivian and German

Dept. of Economics MS-22

Rice University

Houston, TX 77005

EDUCATION

Ph.D. in Economics, Rice University (Anticipated) May 2021

DISSERTATION: *Essays on human and physical capital investments in developing countries: educational choices, vocational aspirations, and procurement auction efficiencies*

M.A. in Applied Statistics, Tecnológico de Monterrey May 2015

B.A. in Economics, Tecnológico de Monterrey May 2013

RESEARCH FIELDS

Education Economics, Empirical Industrial Organization, and Development Economics.

MODELING AND PROGRAMMING SKILLS

Modeling: regression analysis, factor analysis, clustering, principal component analysis, non-parametric auction estimation, causality models, demand estimation (BLP), time series forecasting, and small area estimation.

Software: R, Julia, Stata, MATLAB, SQL, L^AT_EX.

Fieldwork: co-directed two large impact evaluation projects during the summers of 2015 and 2017, and successfully engaged with a large Mexican university for two years to elicit survey data and analyze it in conjunction with its administrative records.

WORKING PAPERS

1. [Elections and Productivity in the Allocation of Pavement Contracts in Mexico - Job Market Paper.](#)
2. [Developing Educational and Vocational Aspirations through International Child Sponsorship: Evidence from Kenya, Indonesia, and Mexico](#), (with Paul Glewwe, Phillip Ross, and Bruce Wydick - Revision Submitted, *World Development*).
3. [International Child Sponsorship Impact on the Intended Choice of Acquiring a Higher Education Degree: the Case of Rural Mexico](#), (*submitted*).

WORK IN PROGRESS

1. Whose Opinion Matters Most for the Choice of a Major? The Relative Influence of Parents, Teachers and Peers.
2. Students' Willingness to Pay for University Attributes.

BOOK CHAPTERS

1. "Airline Economics: A Survey of Applied Issues in the Performance of the US and International Airline Industry", (with Levent Kutlu and Robin Sickles), in R. Chambers, S. Kumbhakar, and S. Ray (eds.), *Volume II, Handbook of Production Economics*, New York: Springer - *forthcoming*.

PUBLICATIONS (PRE-PH.D.)

1. "A Long-Term Employment Deprivation Index for Mexico." (2017). *Estudios Económicos*, 32(1): 133-65 (with Rocío García).
2. "A Shapley Decomposition of Multidimensional Chronic Poverty in Argentina." (2017). *Bulletin of Economic Research*, 69(1): 23-41 (with Rocío García).
3. "Los Efectos del Fondo de Aportaciones para la Infraestructura Social Sobre la Pobreza en México." (2014). *Región y Sociedad*, 26(60):63-88 (with Fernando Ramones).

Engineering

4. "Hyperspectral Analysis of Soil Polluted With Four Types of Hydrocarbons." (2019). *Geocarto International*, 34(9), 925-42 (with Laura A. Reséndez-Hernández and Diego Fabián Lozano-García).

POLICY REPORTS

1. "On the Allocation of Public Works Contracts: Risks in Bypassing Procurement Auction Procedures." (2019). Baker Institute Issue Brief no. 04.23.19.
2. "Getting Public Investment in Education Wrong in Mexico." (2020). Baker Institute Issue Brief no. 02.26.20.

FELLOWSHIPS, SCHOLARSHIPS, AND AWARDS

Graduate Fellow, Rice University's Baker Institute – Center for the U.S. and Mexico.	Nov. 2018 - May 2020
The Puentes Consortium, Summer Fellowship Grant.	Summer-2019
Rice Fellowship, Rice University.	2015-2021
Masters Stipend Scholarship, CONACYT.	2013-2015
Graduate Student Researcher (Visitor), Southern Methodist University.	Summer, 2014
Masters Scholarship, CONACYT-OEA-AMEXID.	2013
Academic excellence scholarship, M.A., Tecnológico de Monterrey.	2013-2015
Academic excellence scholarship, B.A., Tecnológico de Monterrey.	2008-2013

TEACHING AND RESEARCH EXPERIENCE

Teaching assistant , Rice University	Fall 2015-Present
Principles of Microeconomics, Microeconomics, Religion, Ethics, and Economics.	
Workshop lecturer , Tecnológico de Monterrey	
Econometrics with Stata (10 weeks)	2014
Research assistant , Tecnológico de Monterrey	2011-2015
Assisted with data management and statistical analysis of large data sets using Stata and R. Tasks included:	
- an analysis of the Mexican labor market,	

- conducting an impact evaluation of an infrastructure program for poor households,
- estimating a complexity map of Mexican industries,
- studying the effect of the state fund FAIS over local poverty,
- proposing a multidimensional labor deprivation index,
- and applying small area estimation methods to a proposed labor deprivation index.

PROFESSIONAL ACTIVITIES

Conferences: 2020: The University of Texas Rio Grande Valley (*scheduled*), Bolivian Conference on Development Economics; 2019: Sobre México, Academia Against Corruption in the Americas; 2018: UNU-Wider; 2014: 6th Bolivian Conference on Development Economics, 89th Western Economic Association; 2013: 5th Meeting of the Society for the Study of Inequality (ECINEQ), 39th Eastern Economic Association, Network on Inequality and Poverty (NIP).

Referee for Economía, Sociedad y Territorio; Investigación Económica.

OTHER

Languages: Spanish (native), English (fluent).

REFERENCES

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