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Academic Appointment

- 2022 - present. **Associate Professor**, Universidad Santo Tomás, Chile.
- 2011 - 2022. **Assistant Professor**, Universidad Santo Tomás, Chile.

Education

- 2020. **Ph.D., Economics**, State University of New York at Binghamton, U.S.A. Visiting student at Cornell University, U.S.A. (Fall 2019).
- 2011. **M.Sc., Economics** (Distinction), Universidad de Chile, Chile.
- 2005. **Bachelor, Environmental Engineer** (Ranked 1st in the cohort), Universidad de Medellín.

Research Interests

- Primary: Productivity Analysis & Econometrics.
 - Structural identification of firm-level production functions
 - Analysis of firms and market structure
 - Semi/Nonparametric Econometrics
- Secondary: Macroeconomics & Labor Economics.
 - Unemployment fluctuations (Modeling approaches using Search-and-Matching, Heterogeneous Agents).

Book Chapter

- Agosin, Manuel R., and Luis Chancí Arango (2015). Export diversification dynamics in Latin America. In *Handbook on Trade and Development*. Edited by Morrissey, O., López, R. A., and Sharma, K. Edward. Elgar Publishing.

Working Papers

In productivity analysis and econometrics:

- Crime Underreporting in Bogotá: A Spatial Autoregressive Crime Panel Model with Fixed Effects. With S. Kumbhakar and L. Sandoval. (2022, submitted)
- The Effect of Crop Insurance in Ecuadorian Rice Farming: a Technical Efficiency Approach. With M. Castro, A. Reyes, A. Villegas. (R&R, Agricultural Finance Review).
- Energy Costs, Productivity, and Market Power (2020)

In macroeconomics & labor:

- The Effects of Hiring Discrimination over the Business Cycle. With Florian Kuhn (2021).
- Business Cycles, Worker Flows, and Hiring Discrimination (2021).

Work in Progress

- Spillovers, efficiency, and human capital in rice farming production in Ecuador: a semiparametric smooth coefficient spatial autoregressive approach

Referee for Journals

- *Research in Labor Economics, Empirical Economics*

Other Non Peer-Reviewed Publications

- Role as Editor: The China-Chile Business Bulletin. Institution: The China-Chile Research Center, GDUFS and UST. 2015.

Seminar and Conference Presentations

- 2022: Society for Economic Measurement - SEM (Calgary, Canada); The Latin American and Caribbean Economic Association - LACEA (Lima, Peru)
- 2021 (online): Encuentro Anual de la Sociedad de Economía de Chile - SECHI; Academic Seminar, Department of Economics, Universidad de Santiago de Chile - USACH; ENEFA.
- 2020 (online): Academic Meeting, Guangdong University of Foreign Studies and UST.
- 2019: The Latin American and Caribbean Economic Association - LACEA (Mexico).
- Others (before the Ph.D.): East China Normal University, Faculty of Finance and Statistics (Shanghai, China, 2014); Beijing Normal University, Emerging Markets Institute (Beijing, China, 2014); Guangdong University of Foreign Studies, GRIIS (Guangzhou, China, 2014); Encuentro Anual de la Sociedad de Economía de Chile - SECHI (Chile. 2011); National Meeting of Schools and Administration Faculties - ENEFA (2011, 2012, 2013).

Research Grants

- *Concurso de Investigación Iniciación 2022*, Universidad Santo Tomás. Principal Investigator. "Spillovers and Efficiency: A Spatial Autoregressive Stochastic Frontier Panel Data Model with Fixed Effects." CLP \$ 1'500.000. Year: 2022.

Teaching Experience

at Universidad Santo Tomás (UST), Chile

- Undergraduate: Econometrics, Macroeconomics, Microeconomics.
- Postgraduate: International Economics (M.A. Gestión Internacional de Negocios, 2014), Health Economics (Diplomado Gestión Salud, 2013).

at Universidad de Santiago de Chile (USACH), Chile

- Computational and Numerical Methods in Econometrics (Postgraduate, Master in Economics, 2022).
- Econometrics II (Postgraduate, Master in Economics, 2021).

at SUNY - Binghamton, USA

- Instructor: Econometrics (Undergraduate, spring 2019), Principles of Macroeconomics (Undergraduate, summer 2019), Principles of Microeconomics (Undergraduate, fall 2017).
- Guest lecture: Econometrics (Ph.D. Core).
- Teaching Assistant: Econometrics (Ph.D. Core and Undergraduate); Macroeconomics (Ph.D. Core and Undergraduate); Advanced Macroeconomics (Ph.D. field course); Economic Forecasting - Time Series (M.A. and Undergraduate).

at Universidad Diego Portales, Chile

- Instructor: Macroeconomics (Undergraduate, 2009-2012).

at Universidad Autónoma de Chile

- Instructor: Macroeconomics (Undergraduate, 2010-2011).

Student Supervisor

- Chair (Postgraduate Thesis): (1) K. Abarca; (2) J. Valdes; (3) D. Estay.; (4) G. Gutiérrez; (5) A. Hinojosa.
- Committee Member (Undergraduate Thesis): (1) N. Labrin.

University Services

- Coordinator of the Field of Economics for the School of Commercial Engineering at UST.
- Coordinator of the Research Seminar Series at the Faculty of Business and Economics at UST.
- Director of the China-Chile Research Center at UST (2014-2015; 2022).
- Promotion of international partnership agreements, UST (e.g., joint teaching with the University of St. Thomas at Houston, USA).
- Talk series and public lectures (outreach and public engagement). Most recents:
 - Green Logistics (Guest: S. Hohmann - Westfälische Hochschule, Gelsenkirchen, Germany, 2022).
 - Industria Fintech en Chile y Regulación (Guests: A. Puente - Ministerio Hacienda; R. Gago - FinteChile, 2022).
 - Machine Learning e Inteligencia Artificial Presente y Futuro Desde una Perspectiva de Negocios (Guest: Alexis Montecinos - MIT, USA, 2021).
 - Energía Solar y Economía, Potenciales Desafíos en las Reducciones de Carbono (Guests: L. Gonzalez - CLAPES Universidad Católica, C. Millan - Cerro Dominador, 2021).
- Other Social and Media Engagement:
 - Appearance on CNN-Chile (Agenda Económica).
 - Columns in Diario Financiero, Revista Dinero, El Pulso.
- Coordinator Qualifying/Comprehensive Exam for the School of Commercial Engineering at UST (2011-2014).

Other experience

- Research Assistant. Project: Fondecyt Regular 1085014. Main Researcher: Manuel Agosin, Universidad de Chile, 2009-2010.
- Before academia: Engineer and Consultant for gold and coal mining companies in Colombia (e.g., Mineros S.A.), 2005-2007.

Honors & Awards

- Binghamton University
 - Alice E. Trost Economics Dissertation Award, 2020.
 - Academic scholarship/assistantship, Ph.D. in Economics (2015-2020).
- Universidad Santo Tomás. Scholarship (Beca de Perfeccionamiento, 2015-2020).
- Universidad de Chile. Academic scholarship (2008-2009).
- Universidad de Medellín. Athletic scholarship.

Other skills

- Software and programming: Julia, Matlab, R, Stata, Python, Gauss; Other tech. languages: L^AT_EX, Markdown, Html (basic).
- Languages: English (fluent), Spanish (native).