

**Contact
Information**

Universidad Santo Tomás
Faculty of Business and Economics
Santiago, Chile

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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. in Economics**, State University of New York at Binghamton, U.S.A.
Visiting Doctoral Student at Cornell University, U.S.A. (Fall 2019).
- **2011. M.Sc. in Economics** (Distinction), Universidad de Chile, Chile.
- **2005. Bachelor in Environmental Engineering** (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).

**Research Grants
and Related
Projects**

- **Interconnectedness, Performance, Risk, and Response to Shocks: Evidence from the Banking Network in Chile.** Awarded by the ANID - Chile under the call for research projects *Fondecyt de Iniciación 2025*. This research project started in April 2025 and is expected to be completed by April 2028.
- **Eficiencia y Contagio en la Industria Financiera en Chile.** Awarded by the Commission for the Financial Markets (CMF) of Chile in a competitive call for research projects in 2023. This research project started in March 2024 and is expected to be completed by September 2025.
- **Spillovers and Efficiency: A Spatial Autoregressive Stochastic Frontier Panel Data Model with Fixed Effects:** Awarded by Universidad Santo Tomás under the call for research projects *Concurso de Investigación Iniciación 2022*. Completed in December 2022.

Publications

- (2024) Racial Disparities in Labor Outcomes: The Effects of Hiring Discrimination over the Business Cycle. With Florian Kuhn. *Economic Analysis and Policy*.
- (2023) Crime under-reporting in Bogotá: a spatial panel model with fixed effects. With S. Kumbhakar and L. Sandoval. *Empirical Economics*.
- (2023) The effect of crop insurance in Ecuadorian rice farming: a technical efficiency approach. With M. Castro, A. Reyes, and A. Villegas. *Agricultural Finance Review*.
- (2015) Export diversification dynamics in Latin America. With Agosin, Manuel R. In *Handbook on Trade and Development*. Edited by Morrissey, O., López, R. A., and Sharma, K. Edward Elgar Publishing.

Working Papers and Work in Progress	<ul style="list-style-type: none"> - <i>Banking Performance and Interconnectedness: Insights from the Interbank Lending Market in an Emerging Economy.</i> - <i>Monetary Policy Shocks and the Banking Network Architecture.</i> - <i>Decoupling in Latin America: An Analysis of Labor Productivity, Median, and Mean Real Wages.</i> - <i>Spillovers, efficiency, and human capital in Agriculture, a semiparametric smooth coefficient spatial autoregressive stochastic frontier approach.</i> (2023). - <i>Energy Costs, Productivity, and Market Power</i> (2020).
Other Non Peer-Reviewed Publications	<ul style="list-style-type: none"> - Role as Editor: The China-Chile Business Bulletin. <i>Institutions:</i> The China-Chile Research Center at GDUFS and the UST, 2015.
Referee for Journals	<ul style="list-style-type: none"> - <i>Economic Analysis and Policy</i> (2), <i>Empirical Economics</i>, <i>Research in Labor Economics</i>.
Seminar and Conference Presentations	<ul style="list-style-type: none"> - 2023: Presented at The 2nd Inter-Conference Symposium, 6to Congreso Regional de Economía Agraria, and the 1st Latin-American Workshop on Productivity and Efficiency (Montevideo, Uruguay). - 2022: Presented at the Society for Economic Measurement - SEM (Calgary, Canada); and at the Latin American and Caribbean Economic Association - LACEA (Lima, Peru). - 2021 (online): Participated in the Encuentro Anual de la Sociedad de Economía de Chile - SECHI; at the Academic Seminar at the Department of Economics, Universidad de Santiago de Chile - USACH; and at ENEFA. - 2020 (online): Academic Meeting at Guangdong University of Foreign Studies and UST. - 2019: Presented at the Latin American and Caribbean Economic Association - LACEA (Mexico). - Others (before the Ph.D.): Presentations at 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).
Teaching Experience	<p>at Universidad Santo Tomás (UST), Chile</p> <ul style="list-style-type: none"> - Undergraduate level: Econometrics; Macroeconomics; Microeconomics. Teaching notes available at: https://fundmacro.luischanci.com/ and fundmicro.luischanci.com - Postgraduate level: Introductory Macroeconomics of Latin America - A Short Summer Course for New Zealand Exchange Students (January 2024); International Economics (M.A. in International Business Management, 2014). <p>at Universidad de Santiago de Chile (USACH), Chile</p> <ul style="list-style-type: none"> - Postgraduate level: Econometrics II, Master in Economics (2024-II, 2023-II, 2022-II). Teaching notes available at https://econometria.luischanci.com/. - Postgraduate level: Computational and Numerical Methods in Econometrics (Elective Course, Master in Economics, 2022-I). Link to the syllabus. <p>at Universidad San Sebastián, Chile</p> <ul style="list-style-type: none"> - Postgraduate level: Applied Econometrics, Master of Science in Economics and Finance (2023-II). <p>at SUNY Binghamton, USA</p> <ul style="list-style-type: none"> - Undergraduate level: Econometrics (Spring 2019), Principles of Macroeconomics (Summer 2019), Principles of Microeconomics (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 (Master's Program in Economics).

at Universidad Diego Portales, Chile

- Undergraduate level: Macroeconomics (2009-2012).

Other Academic Activities

- Research Assistant for the project Fondecyt Regular 1085014, led by Manuel Agosin at Universidad de Chile, 2009-2010.

Student Supervisor

- Chair (Postgraduate, Thesis Finished): Denisse Roa; Matias Bedos; Alvaro Silva; Karina Abarca; Jazmin Valdes; Danitza Estay; Guiselle Gutiérrez; Alionchka Hinojosa.
- Committee Member (Undergraduate Thesis): Nicolás Labrin.

University Services

- Coordinator of the Field of Economics for the School of Commercial Engineering at UST (current).
- Temporary Coordinator of Research for the School of Commercial Engineering at UST (2023).
- Coordinator of the Research Seminar Series at the Faculty of Business and Economics at UST (2021-2023).
- Director of the China-Chile Research Center at UST (2014-2015; 2022).
- Involved in promoting international partnership agreements at UST (e.g., joint teaching with the University of St. Thomas in Houston, USA).
- Organized talk series and public lectures for outreach and public engagement. Recent topics include:
 - The Future of Work, featuring guest J. Lafortune from Universidad Católica, Chile (2023).
 - Green Logistics, featuring guest S. Hohmann from Westfälische Hochschule, Germany (2022).
 - Fintech Industry in Chile and Regulation, featuring guests A. Puente from the Ministry of Finance and R. Gago from FinteChile (2022).
 - Machine Learning and Artificial Intelligence: Present and Future Business Perspectives, featuring guest Alexis Montecinos from MIT, USA (2021).
 - Solar Energy and Economy, Potential Challenges in Carbon Reductions, featuring guests L. Gonzalez from CLAPES Universidad Católica and C. Millan from Cerro Dominador (2021).
- Engaged in social and media outreach:
 - Appearances on CNN-Chile (Agenda Económica).
 - Contributions to Diario Financiero, Revista Dinero, El Pulso.
- Coordinator of the Qualifying/Comprehensive Exam for the School of Commercial Engineering at UST (2011-2014).

Consulting and Other Professional Activities	<ul style="list-style-type: none"> - Consultant - Labor Market Analysis. <i>Informe sobre la evolución de los salarios reales y su asociación con la productividad laboral por sector de actividad económica en las mayores economías de América Latina.</i> Economic Commission for Latin America and the Caribbean, United Nations, 2024. - Engineer (prior to academia). Worked in the gold mining industry in Colombia, with roles as Engineer responsible for mineral processing plant operations during assigned shifts and as Environmental Engineer at companies such as Mineros Nacionales and Mineros S.A., from 2005 to 2008. - Consultant as Environmental Engineer (prior to academia). Consultant in the coal mining industry in Colombia, where I constructed documents called “Plan de Manejo Ambiental” for presentation to local environmental authorities, from 2007 to 2008.
Honors & Awards	<ul style="list-style-type: none"> - Binghamton University: <ul style="list-style-type: none"> – Alice E. Trost Economics Dissertation Award, 2020. – Academic scholarship/assistantship for 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 Information	<ul style="list-style-type: none"> - Affiliations: Latin American and Caribbean Economic Association, Econometric Society, Sociedad de Economía de Chile. - Languages: English (fluent), Spanish (native). - Software and Programming: R, Julia, MATLAB, Stata, Python, and Gauss; familiar with text editors such as \LaTeX and Markdown; basic knowledge of HTML and CSS for developing and maintaining (my) personal websites.