Luis Alfredo Pino Sandoval

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Research Interests

Macroeconomics; Public Economics; Regional/Spatial Economics; Applied Econometrics; Heterogeneous Effects of Macroeconomic Shocks and Public Policies.

Education

Universidad de Concepción, Concepción, Chile
Master in Applied Economics, 2025
Selected courses: Econometrics, Time Series Econometrics, Applied Macroeconometrics, Monetary and Banking Economics, Mathematics for Economists, Microeconomics and Macroeconomics.

Universidad de Concepción, Concepción, Chile
Commercial Engineering, major in Economics, 2021 | *Bachelor in Economic Sciences*, 2020

Pontificia Universidad Católica de Chile, Santiago, Chile
Diploma in Higher Education Teaching, 2022
180 hours.

Research Experience

Technical Research Assistant, FONDECYT Regular R-1240809, Sep 2025–present
Universidad Adolfo Ibáñez – Universidad San Sebastián, Chile
Multiregional CGE model to evaluate public policies, investments and territorial shocks in Chile.

- Adaptation of regional input–output tables and social accounting matrices (SAM) to the architecture of a bottom-up / TERM-type multiregional CGE model for Chile using GEMPACK.
- Development and validation of an Excel–HAR workflow using TXT2HAR and GEMPACK tools, including the ordering of multidimensional matrices, headers, sets and metadata.
- Preparation of an architecture for Chile with 16 regions and 12 sectors, plus an experimental extension with 10 income deciles and 12 occupations for distributional and labor analysis.
- Contribution to the preliminary methodological construction of interregional trade and to the treatment of trade/transport margins, indirect taxes, and basic/producer/purchaser prices.
- Technical diagnostics and experimental shock simulations to review regional GDP, employment, sectoral output and labor variables before using validated Chilean data.

Research Assistant, Mauricio Jelvez M., Jul 2024–Mar 2025
Indicator database for the book *Chile: un camino al desarrollo integral* [Chile: A Path to Comprehensive Development] (Ed. Universitaria, 2025); acknowledged in the book.

Assistant Researcher, Informe Económico Regional (IER), Universidad de Concepción, Mar 2023–present
Contribution to regional economic analysis, research output, and dissemination of regional and national indicators.

Research Intern, ONG FIMA, Santiago, Jul–Aug 2020
Studies and Research Area.

Teaching Experience

Part-time Lecturer, Universidad San Sebastián, Jul 2025–present
Commercial Engineering: Econometrics for Management and Econometrics.

Academic Collaborator, Universidad de Concepción, Aug 2023–present
Commercial Engineering: Microeconomics I, Macroeconomics I, Macroeconomics II, Research Methodology in

Economics, Professional Project in Economics I and Professional Project in Economics II.
Auditing: Microeconomics for Auditors.
Geology: Project Evaluation and Management.
Graduate: Research Methodology in Economics.

Teaching Assistant, Universidad de Concepción, Mar–Aug 2023
Econometrics II.

Publications and Completed Work

Pino-Sandoval, L. (2025). "¿Qué efectos tiene un shock puro de política monetaria en el consumo de los chilenos? Considerando la heterogeneidad de los agentes económicos." [What Are the Effects of a Pure Monetary Policy Shock on Chilean Consumption? Accounting for the Heterogeneity of Economic Agents]. Master's thesis in Applied Economics, Universidad de Concepción. repositorio.udec.cl/handle/11594/12337

Pino-Sandoval, L.; I. Araya; and G. Pino (2024). "Assessing Inflation Targeting during Crisis Periods: An Application to the Chilean Economy." Working paper.

Pino, G.; C. Silva; and L. Pino-Sandoval (2023). "Crimen y Mercado Laboral: Investigando el rol del Subsidio al Empleo Joven en los delitos comunales." [Crime and the Labor Market: The Role of the Youth Employment Subsidy in Municipal Crime]. OCEC-UDP Working Paper No. 28.

Work in Progress

- "Monetary Policy Shocks and Household Consumption in Chile: Aggregate Transmission and Heterogeneity across Households" (with Iván Araya and José Barrales), 2026.
- "Copper booms and regional growth in Chile: shared at first, concentrated later", 2026.
- "Tightening next door: spatial spillovers of monetary policy on regional unemployment in Chile", 2025.
- "Macroeconomic volatility and poverty in South America: Inflation and business cycles in a 9-country panel, 2000–2024" (with Nicolás Escobar and Iván Araya), 2025.

Professional Experience

Information Management Analyst, Apex América, Talca, Feb 2022–Dec 2023.

Scholarships

- Graduate scholarship (tuition and stipend), Universidad de Concepción, 2023–2024.
- Graduate thesis scholarship, Universidad de Concepción, 2024.

Economic Outreach

- Escobar Cañete, N. and L. Pino-Sandoval (2025). "Volatilidad macroeconómica, pobreza y estabilidad en América Latina y Chile: evidencia y desafíos de política pública." [Macroeconomic Volatility, Poverty and Stability in Latin America and Chile: Evidence and Public Policy Challenges]. *Informe Económico Regional*, No. 58, 33–37. View publication
- Pino-Sandoval, L. (2026). "¿Desaceleración o normalización en la economía del Biobío?" [Slowdown or Normalization in the Biobío Economy?]. *Informe Económico Regional*, No. 59, September 2026, forthcoming.
- Podcast commenting on economic indicators, Radio UdeC, 2023–2024.
- Dissemination of issues 53–56 of the Informe Económico Regional, Universidad de Concepción, 2023–2025.

Languages and Technical Skills

Spanish: native. English: basic.
Advanced: R, Stata, EViews, MATLAB, GEMPACK, LaTeX.
Computational economics: construction of multiregional / TERM-type CGE databases; transformation of regional input–output and SAM data; generation and validation of HAR files in GEMPACK.