

Lautaro Chittaro

CONTACT INFORMATION

Department of Economics
Stanford University
Stanford, CA 94305-6072

+1 (650) 441 6315
chittaro@stanford.edu
[lautarochittaro.github.io](https://github.com/lautarochittaro)

EDUCATION

Ph.D. in Economics, Stanford University
M.A. in Economics, University of San Andrés
B.A. in Economics, University of Buenos Aires

REFERENCES

Monika Piazzesi (co-primary advisor)
Dept. of Economics, Stanford University
piazzesi@stanford.edu

Martin Schneider (co-primary advisor)
Dept. of Economics, Stanford University
schneidr@stanford.edu

Shoshana Vasserman

Grad. Sc. of Business, Stanford University
svass@stanford.edu

FIELDS

Financial Economics, Macroeconomics, Industrial Organization

JOB MARKET PAPER

Selection in crisis lending with Cristián Sánchez

We provide a quantitative assessment of Chile's government-guaranteed loan (GGL) program introduced during the COVID-19 crisis to sustain credit to small and medium-sized enterprises. In a GGL, the government insures banks against borrower default to encourage lending during downturns. By linking tax, social security, and credit registry data with loan applications, we document that default rates among approved firms were nearly zero in 2020 but rose sharply two years later. Using an instrumental-variables strategy exploiting heterogeneity in banks' approval leniency, we show that the program primarily postponed rather than prevented defaults. Our estimates indicate that banks used private information to screen borrowers effectively, supporting the policy design that delegated credit allocation to commercial banks. To evaluate welfare, we develop a structural model of entrepreneurial default with heterogeneous firms and a GGL option. The model implies sizable and cost-effective welfare gains, limited bank rents, and modest excess risk-taking. A budget-neutral redesign could raise welfare by up to 4% relative to the actual program, albeit at the cost of reducing approved loans by at least 4%.

WORKING PAPERS

Asset returns as carbon taxes

with Monika Piazzesi, Martin Schneider and Marcelo Sena

In frictionless financial markets, a carbon tax on energy users provides the same incentives as a *replicating return schedule* that depends on firms' emission intensities, defined as scope 1 emissions relative to enterprise value. We use this result to interpret pollution premia measured by recent empirical studies and conclude that markets currently provide only modest incentives. Replicating a serious carbon tax requires high returns in the right tail of the emission intensity distribution. With heterogeneous investors, such returns are not sustainable unless essentially everyone perceives large nonpecuniary costs from holding dirty capital. Substantial emission reductions can be achieved, however, when even a small share of investors perceive nonpecuniary *benefits* from owning clean electricity capital.

Pricing and Financial Incentives in Sovereign Green Debt: Evidence from Chile

with Marcelo Sena

We study the pricing of sovereign green bonds using Chile's pioneering green bond program and its cross-design issuance. Employing a panel of Chilean U.S.-dollar bonds, we estimate no-arbitrage pricing kernels for green and conventional bonds. The results reveal a declining greenium across maturities, driven by the higher interest-rate risk exposure of green bonds. We find no evidence of investor segmentation or liquidity differences between green and conventional bonds. Instead, we explain the observed pricing patterns through a representative-agent asset-pricing model in which investors derive nonpecuniary benefits from the real value of their green bond holdings. During high-inflation periods, as observed in our sample, the real value of green bond portfolios deteriorates, making the convenience service they provide scarcer and more valuable. This positive correlation between green convenience yields and inflation generates a risk premium that compresses the greenium especially at longer maturities, producing a downward-sloping greenium term structure.

WORK IN PROGRESS	<p>The Cost of Port Disruptions: Evidence from U.S. Containerized Trade with Stephen Redding, Janet Stefanov, and Shoshana Vasserman We match containership GPS data with import bills of lading to estimate port substitution and the cost of port disruptions.</p>	
ACADEMIC PUBLICATIONS	<p>From Bad to Worse: the Economic Impact of COVID-19 in Developing Countries. Evidence from Venezuela with Germán Caruso, María Emilia Cucagna, Luis Pedro España <i>Latin American Economic Review</i>, 2021 Policy responses to COVID-19 affected the dynamic of economic growth and labor markets worldwide, hitting economically harder on developing countries. These policies involved economic lockdowns that included the shutdown of the main statistical exercises, making it almost impossible to assess the breadth and variety of their effects. Using a phone survey, this paper examines the impact of the quarantine implemented in Venezuela on labor market outcomes. The identification strategy exploits the exogenous variation in the severity of the lockdown in different regions of the country. The main result indicates a 16.5 percentage points reduction in employment, while in regions with severe lockdowns the reduction has been 13.8 p.p. larger. In particular, the self-employed and informally employed were hard hit by the lockdown. To cope with this effect, households sold their productive assets, reduced their savings, sought for alternative income sources and looked for help from relatives. This paper does not find a differential effect on the number of COVID-19 cases in more severe lockdown settings. Results are robust to endogenous migration and alternative specifications.</p>	
RELEVANT POSITIONS	<p>Department of Economics, Stanford University 2022-2025 Research Assistant for Martin Schneider and Monika Piazzesi</p> <p>Graduate School of Business, Stanford University 2022-2025 Research Assistant for Shoshana Vasserman</p> <p>World Bank, Washington DC 2020 Short-term Consultant</p> <p>Ministry of Production, Argentina 2017-2020 Senior Trade Policy Advisor</p>	
TEACHING	<p>Macroeconomics II (Ph.D.), Stanford University Economic Forecasting (Undergrad), Stanford University Macroeconomics I, II (Undergrad), University of Buenos Aires Industrial Organization (Undergrad), University of Buenos Aires National Accounts (Undergrad), University of Buenos Aires</p>	
AWARDS & FELLOWSHIPS	<p>Gale and Steve Kohlhaugen Fellowship, Stanford University 2024 The Alejandro and Lida Zaffaroni Fellowship, Stanford University 2020-2022</p>	
INTERNSHIPS & WORKSHOPS	<p>Central Bank of Chile 2024 Visiting Program</p> <p>Central Bank of Mexico 2024 Summer Internship Program</p> <p>Princeton University 2022 Macro, Money and Finance – Continuous Time Methods Workshop</p>	
OTHER PUBLICATIONS	<p>International Integration and Productive Development: New Policy Guidelines 2018 with Juan Carlos Hallak - <i>Boletín Techint</i> (Spanish only)</p>	
LANGUAGE	<p>English, Spanish (Native)</p>	