

# SEBASTIÁN MOLINA

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 LinkedIn |  GitHub

## INTERESTS

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Economic Development, Agricultural Economics, Environmental and Resource Economics, Energy Economics, Renewable Energy Systems, Policy Analysis.

## EDUCATION

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- B.A. Business and Economics**, Universidad Austral de Chile. 2025  
**VISP Agricultural & Applied Economics**, University of Wisconsin-Madison. Fall 2023

## PUBLICATIONS

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Molina, S. and Doussoulin, J.P. (2025). **Moving towards a circular bioeconomy in developing countries: Profitability gap in Chile's biodiesel production**. *Biomass and Bioenergy*, Vol. 202, 108197.

## HONORS, GRANTS AND AWARDS

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- Eduardo Neale-Silva Memorial Scholarship**, University of Wisconsin-Madison 2023  
Full scholarship (\$61.000) awarded for academic excellence and commitment to Chile's technological and economic development
- High School Science Distinctions**, Instituto Salesiano Valdivia 2018  
Recognized for winning first place in the Anatomy Olympiad, Universidad San Sebastián.

## RESEARCH EXPERIENCE

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- Research Assistant** to Prof. Pilar Jano. Present  
*FONDECYT Project: Barriers to Access High Quality Agricultural Markets: The Case of Farmer Associations and Peer Effects in the Chilean Wine Grape Market.* Reviewed and validated surveys administered to wine grape producers, constructed and cleaned the dataset, and prepared descriptive statistics to support the subsequent econometric analysis.
- Undergraduate Researcher**, Universidad Austral de Chile. 2023 - 2024  
Project published in *Biomass and Bioenergy*, under the supervision and co-authorship of Prof. Jean-Pierre Doussoulin. Conducted financial evaluation of biodiesel using NPV, IRR, and policy scenario analysis.

## CURRENT RESEARCH: WORK IN PROGRESS

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*Project (with Prof. Jean-Pierre Doussoulin): Profitability and policy analysis of Argentina's biodiesel industry, with regional and OECD comparisons to explore its recent crisis.*

## TEACHING EXPERIENCE

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- Teaching Assistant** to Prof. Monica Raddatz. 2022 - 2023  
*Course: Economic Engineering.* Led weekly sessions to +100 students, providing feedback on applied problem sets.
- Teaching Assistant** to Prof. Pablo Neudörfer. Fall 2021  
*Courses: Financial Maths and Economic Engineering.* Conducted discussion sessions and provide feedback on applied problem sets.

## PROFESSIONAL EXPERIENCE

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<b>Accounting Analyst</b> , Banco de Crédito e Inversiones.	<i>Present</i>
<b>Finance Consultant</b> , Clínica Costanera Valdivia.	2025
<b>Accounting Analyst Intern</b> , Banco de Crédito e Inversiones.	2025
<b>Sales Assistant</b> , C/Moran Shoes.	2021 - 2023
<b>Sales Assistant</b> , BubbleGummers.	2018-2019

## SKILLS

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- **Programming & Data Analysis:** R, Python, Stata (basic), SQL (basic), Microsoft Excel (advanced), Microsoft Access
- **Econometrics & Statistics:** Linear regression, panel data, instrumental variables, time series (basic)
- **Research & Academic Tools:** LaTeX (Overleaf), literature review, survey design, academic writing, data interpretation, report writing, applied financial modeling

## ADDITIONAL TRAINING

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<b>Applied Data Science with Python</b> , University of Michigan (Coursera).	<i>In progress</i>
<b>Summer School in Economics</b> , Millenium Institute for Research in Imperfections and Public Policy.	2025
<b>Introduction to R</b> , Data Society.	2023
<b>Leadership Course</b> , Universidad de Concepción.	2021
<b>Finance for Entrepreneurs</b> , Universidad de Chile.	2021

## LANGUAGES

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**Languages:** Spanish (Native), English (Fluent)