

SEBASTIÁN MOLINA

Santiago, Región Metropolitana | sebastian.molina03@alumnos.uach.cl | +56 9 4743 8895 |

 [LinkedIn](#) |  [GitHub](#)

INTERESTS

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

EDUCATION

B.A. Business and Economics, Universidad Austral de Chile. 2025

VISP Agricultural & Applied Economics, University of Wisconsin-Madison. Fall 2023

PUBLICATIONS

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

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

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

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

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

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

SKILLS

- **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

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

LANGUAGES

Languages: Spanish (Native), English (Fluent)