

# Alison Sousa

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🐙 github.com/Alison-Sousa

## Education

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<b>Development Bank of Latin America</b>	2024
Professional Development Program in Econometrics and Mathematics	
<b>Escola Superior de Propaganda e Marketing (ESPM)</b>	2024
B.A. in International Relations	

## Publications and Working Papers

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Sousa, A. and Thorstensen, V. (2025). *Trade Tariffs, Labor Frictions, and Income Inequality: A Markov Process Approach Applied to Brazil, China, and the U.S.* Working Paper (in progress).

Sousa, A. & Maia, J. (2025). *Phase Transitions and Uniqueness of the Gibbs Measure in Ising Models with Variable Magnetic Field: Extension to Long-Range Interactions.* Working Paper.

Sousa, A. & Cintra, R. (2024). *Western Relationship, China and Taiwan: An Econometric Approach to Assess Tensions.* Working Paper.

Sousa, A. & Uehara, A. (2023). *China–U.S.–Taiwan Relations.* Scientific Initiation Project.

Sousa, A. & Gondim, I. (2022). *International Diversification via ETFs: A Sharpe Ratio Perspective.* 33rd ENANGRAD.

Sousa, A., Uehara, A., & Kim, H. (2022). *China–U.S.–Taiwan Relations at the Onset of the Biden Administration.* Mapa Mundi, Research Brief.

Sousa, A., Uehara, A., & Kim, H. (2022). *Why Invest Your Money in J-REITs in Japan?.* Mapa Mundi, Finance Brief.

Sousa, A., Uehara, A., & Kim, H. (2021). *It is worth Brazilians to invest in ETFs in South Korea?* Mapa Mundi, Finance Brief.

## Academic Experience

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<b>GV20 Research Center</b>	2025 - ongoing
Research Assistant — Supervisors: Michelle Ratton and Vera Thorstensen	
<b>Beijing International Center for Mathematical Research</b>	2025
Research Collaboration with Dr. João Maia	
<b>Financial Research Center</b>	2024
Junior Research Consultant — Supervisor: Igor Gondim	
<b>International Relations Research Center</b>	2022–2023
Research Assistant — Supervisor: Alexandre Uehara	
<b>Asian Business Center</b>	2021–2023
Research Assistant — Supervisors: Alexandre Uehara and Han Kim	

## Teaching Experience

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<b>School of International Relations – ESPM</b>	2022
Teaching Assistant — Economic Development (Undergraduate)	

## Conferences and Talks

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33rd ENANGRAD Conference, Santa Catarina	2022
Asian Business Center, São Paulo	2022

## Professional and Other Experiences

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<b>SonoThromb Medical Technologies</b> Founder	2025
<b>Ministry of Science, Technology, and Innovations of Brazil</b> Embedded Systems Technician	2024–2025
<b>Brazilian Bar Association</b> Arbitration Committee Member	2023–2024
<b>China Construction Bank</b> Risk models and statistical analysis development	2023
<b>Ministry of Foreign Affairs of Brazil</b> Process development for chancellery and business expansion	2022
<b>South Korean Consulate</b> Research Member	2021–2022

## Awards, Honors and Scholarships

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Honorable Mention – Undergraduate Thesis	2024
CFA Research Challenge – Honors	2022
Best Technical Paper Award	2022
Academic Merit Scholarship – Undergraduate	2021
ENEM-Based Scholarship – ESPM	2020–2024
Merit Scholarship – College Preparatory Program	2020

## Skills

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**Languages:** Portuguese (Native); English (Fluent); Spanish (Fluent); Mandarin (Intermediate); Dutch (Basic)

**Programming:**  $\text{\LaTeX}$ ; Python (geopandas, matplotlib, pandas, sklearn); R (ggplot2, stan, tidyverse); VBA