

Alison Sousa

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Education

Development Bank of Latin America and the Caribbean 2024
Professional Development Program in Econometrics and Mathematics

Escola Superior de Propaganda e Marketing (ESPM) 2024
B.A. in International Relations
Thesis: Semiconductors (Honorable Mention)
Advisor: José Luiz Pimenta Junior
Academic Programs: Zuyd University (Netherlands), Meiji University (Japan)

Publications and Working Papers

Sousa, A. & Maia, J. (2025). *Phase Transitions and Uniqueness of the Gibbs Measure in Ising Models with Variable Magnetic Field*. 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). *Triangular Relations under Xi Jinping: A Foreign Policy Analysis*. Scientific Initiation.

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

Sousa, A., Uehara, A., & Kim, H. (2022). *US–Taiwan–China at Biden’s Onset*. Mapa Mundi, Research Brief.

Sousa, A., Uehara, A., & Kim, H. (2022). *J-REITs: Investment Opportunities in Japan*. Mapa Mundi, Finance Brief.

Sousa, A., Uehara, A., & Kim, H. (2021). *ETFs in South Korea: Should Brazilians Invest?* Mapa Mundi, Finance Brief.

Research Experience

Beijing International Center for Mathematical Research 2025
Research Assistant — Supervisor: João Maia

Asian Business Center 2021–2023
Research Assistant — Supervisors: Alexandre Uehara and Han Kim

Teaching Experience

School of International Relations – ESPM 2022
Teaching Assistant — Economic Development (Undergraduate)

Conferences and Talks

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

Professional and Other Experiences

Ministry of Science, Technology, and Innovations Embedded Systems Technician (Softex Program)	2024–2025
Brazilian Bar Association Arbitration Committee Member	2023–2024
China Construction Bank Risk models and statistical analysis development	2023
Ministry of Foreign Affairs Process development for chancellery and business expansion	2022
South Korean Consulate Research Member	2021–2022

Honors and Awards

Awarded Honorable Mention Undergraduate Thesis	2024
Awarded Honorable Mention CFA Institute	2022
Best Undergraduate Technical Paper	2022
Academic Merit Recognition Undergraduate	2021
Merit Scholarship Undergraduate	2020–2024
Merit Scholarship College Preparatory Programs	2020

Skills

Languages: Portuguese (Native), English (Fluent), Spanish (Fluent), Mandarin (Basic), Dutch (Basic)

Software: \LaTeX , Python (sklearn, pandas, matplotlib), R (stan, tidyverse, ggplot2), VBA