

Joao Pedro Toledo Tricoli de Lucas

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SUMMARY

Bachelor's degree in economics from PUC-Campinas, living in Atibaia, Sao Paulo, Brazil. With two years of experience as a Data Analyst at the University Observatory and as a teaching assistant in econometrics courses. I highlight my participation in two extension programs: the first focused on Productive Structure and Socioeconomic Development in the Metropolitan Region of Campinas, addressing studies on foreign trade; the second, in collaboration with the nonprofit sector through the FEAC foundation, involved Social Territorial Diagnosis, including geocoding microdata from the Single Registry. Both projects provided information for the industrial sector, nonprofit organizations, and public entities, playing a significant role in the decision-making processes.

PROFESSIONAL EXPERIENCE

DATA ANALYST Pontifical Catholic University of Campinas | Campinas, SP, BR | 03/2023 – 02/2024

Worked on developing the methodology that geocoding over 70,000 families from the Single Registry in Campinas, SP, in collaboration with the FEAC Foundation. This effort led to a better understanding of regions facing social vulnerability, utilizing spatial data analysis to translate complex concepts and provide insights for public policymakers and the nonprofit sector.

- Analyzed over 170 sensitive socioeconomic variables from administrative records, applying anonymization techniques.
- Built an R package (RefineGeo) that encompasses the geocoding methodology, involving data cleaning, address standardization, and coordinate selection, streamlining the process for other researchers.
- Collaborated with FEAC analyst to produce a methodological study covering the geocoding process and outcomes, as well as code reviewing and building technical reports, addressing ad hoc requests from researchers.

TEACHING ASSISTANT Pontifical Catholic University of Campinas | Campinas, SP, BR | 02/2023 – 12/2023

Provided support for four classes in the disciplines of Econometrics, Econometrics Laboratory II, and Financial Accounting. My responsibilities included developing tutorials on the subject and the R language, creating exercises, answer keys, as well as grading assignments.

DATA ANALYST Pontifical Catholic University of Campinas | Campinas, SP, BR | 03/2022 – 12/2022

Worked on the development of technical and informative reports on foreign trade in the Metropolitan Region of Campinas.

- Conducted ETL process for foreign trade data using COMEX STAT, analyzing information from 20 municipalities and developing an automated RMarkdown report for the Monthly Foreign Trade Newsletter of the RMC, reducing release time for local media and public entities.
- Work with consistent code review and created methodological studies for regional relevant topics. Additionally, addressed ad hoc requests from researchers.

EDUCATION

BACHELOR'S DEGREE ECONOMICS

Pontifical Catholic University of Campinas
Campinas, SP | 01/2018 – 12/2023

- Awards: [Participant in the international business simulation tournament, CESIM. Achieved third place among 24 teams in the CESIM competition organized by the internal body of PUC-Campinas and CYBK, a technology company.](#)
- Final Thesis: Determinants of Crime in the Brazilian Southeast: Applications of Spatial Econometrics Techniques | Grade: 10

PROJECTS

[Chapter in Book](#): Extension Reports
[Monthly Trade Report \(RMC\)](#): Automated Report
[Commodity Analysis](#): PCA and Plotly

[Methodological Study](#): Single Registry Geocoding
[Instructor](#): Geocoding Workshop, Map Making in R
[RefineGeo](#): R Package for Geocoding

CERTIFICATIONS

[Data Science With R \(88 hours\)](#) | [Data Analyst in SQL \(39 hours\)](#) | [Data Analyst in Power BI \(48 hours\)](#) | [CPA – 10](#) | [Teaching Assistant](#).

SKILLS

Statistics | Econometrics | Spatial Econometrics | Exploratory Spatial Data Analysis (ESDA) | Scientific Writing | Fundamentals of GIS | R | PostgreSQL | Power BI | Excel | Data Analysis | KPIs | Fluent in Portuguese and advanced English.