

JOÃO PEDRO T. T. LUCAS

 [LinkedIn](#) |  +55 (11) 964049474 |  pedrottlucas@gmail.com |  [GitHub](#)

Skills

- Economics | Econometrics | Spatial Econometrics | GIS | Geocoding | R | Data Analysis | Data Visualization | Data Communication |
- Financial Market | RMarkdown | Automated Reports | PostgreSQL | Assistant Professor | Education | Tutor | Multivariate Analysis
- Linear Regression | Statistics | Macroeconomics | ESDA | Scientific Paper Writing | Advanced English, Fluent Portuguese

Experience

Data Analyst, Intern ontificia Universidade Católica de Campinas *Campinas, SP, Brazil* **03/2023 - Current**

- Worked on the design and methodology for geocoding over 70,000 families enrolled in the Federal Single Registry Program in Campinas using R, that efficiently selects the best coordinates based on unreliable addresses. This effort resulted in a better understanding of areas with social vulnerabilities through spatial visualization, offering valuable insights to policymakers and third-sector organizations.
- Designed and implemented a reproducible workflow in R and RMarkdown for use with the Single Registry data. The primary goal was to clean and prepare the data, which consists of over 170 variables, making it easier for other municipalities to conduct a better geocoding and regional studies on social vulnerability.
- Collaborated with analysts from the FEAC Foundation to conduct a methodological study that encompasses the results and methods employed in the geocoding process of the Single Registry in Campinas.
- Maintained a consistent workflow with continuous commits, code reviews, and data wrangling to extract the insights requested by the leading researchers.

Assistant Professor Pontificia Universidade Católica de Campinas *Campinas, SP, Brazil* **02/2023 - 12/2023**

- Developed instructional YouTube tutorials to help students grasp course content and provided support with the R language.
- Design exercises, quizzes and answers keys for students, while being responsible for grading assignments.
- Conduct continuous online tutoring sections during the semester to assist students with course-related topics.

Data Analyst, Research Assistant Pontificia Universidade Católica de Campinas *Campinas, SP, Brazil* **03/2022 - 12/2022**

- Responsible for collecting, extracting and validating data from international trade for the Metropolitan Region of Campinas using R.
- Developed an automated RMarkdown workflow for generating monthly reports on the International Trade of Metropolitan Region of Campinas (MRC), reducing the time required for releasing information to local media and city hall.
- Conducted methodological studies involving statistical and economics analysis on topics with regional significance, aiming to provide better insights and understanding to policymakers, third-sector organizations and the industry sector.
- Collaborated on data wrangling tasks, addressing specific requests from others research professors.

Education

Bachelor of Economics ontificia Universidade Católica de Campinas *Campinas, SP, Brazil* **08/2018 - 12/2023**

- Main Subjects: Statistics, Econometrics, Macroeconomics, Public Policy, Industrial Economics, Financial Market, Spatial Econometrics, GIS, ESDA

Projects

- **Geocoding Study:** Methodological Process and Results of Geocoding in the Campinas Single Registry Program **(10/2023)**
- **Thesis Paper:** Homicide analysis in the southwest of Brazil through Spatial Econometrics and ESDA **(12/2023)**
- **Monthly International Trade Report:** Automated report of International Trade in the MRC **(11/2022)**
- **Instructor:** Two-Days Workshop of Geocoding and Map Making With R in the University's Academic Week **(10/2023)**

Certificates

- **Data Science With R DataCamp:** An 88h that contemplates Data Science With R **(11/2022)**
- **Data Analyst in SQL DataCamp:** An 39h that contemplates Data Analysis With SQ **(02/2023)**
- **CPA-10:** Certificate from ANBIMA about Brazilian Financial Market **(10/2023)**

Others

- **Award:** Participant in the international tournament for the business simulation CESIM, representing PUC-Campinas University **(04/2023)**
- **Award:** Won 3th prize for the business simulation CESIM competition organized by University of PUC-Campinas **(11/2022)**