

# João Renato Leripio

Applied Economics, Data Science & Data Engineering

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## PROFILE

I'm an applied economist working at the intersection of statistical modeling, data science, and data engineering.

My experience spans developing quantitative models, integrating alternative data sources, automating analytical pipelines, and incorporating modern computational tools into macroeconomic research workflows.

## PROFESSIONAL EXPERIENCE

### Kapitalo Investimentos

São Paulo, Brazil · 2022 - Present

Senior Economic Analyst - Data Science & Modeling Lead

- Lead the Data Science and Modeling team within the Macroeconomic Research department.
- Build end-to-end analytical workflows spanning data collection, statistical modeling, automated pipelines, and interactive applications.

### Itaú Asset Management

São Paulo, Brazil · 2019 - 2022

Quantitative Research Analyst

- Developed quantitative models and forecasting tools for macroeconomic and financial analysis.
- Integrated alternative and high-frequency datasets into research and analytical workflows.

### IPEDF

Brasília, Brazil · 2017 - 2019

Economic Research Analyst

- Conducted regional economic analysis and developed reports and indicators for economic monitoring and public policy support.

## EDUCATION

**M.S. in Economics**, Universidade Federal Fluminense · 2017

**B.S. in Economics**, Universidade Federal Fluminense · 2013

## BOOK

Author of *R for Economic Research*, focused on modern tools and practical applications for data analysis, modeling, and forecasting.

## TALKS

- **Signal extraction under cross-sectional abundance and temporal scarcity** — 46th International Symposium on Forecasting · Montreal · 2026 (forthcoming)
- **Nowcasting Inflation in Brazil Using Web Data** — 43rd International Symposium on Forecasting · Charlottesville · 2023
- **Real-time Forecasting COVID-19 Cases Applied to US Regions** — 40th International Symposium on Forecasting · Remote · 2020

## TECHNICAL STACK

R · DuckDB · PostgreSQL · DBT · Shiny · Quarto · Docker · Git · Stan