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Felipe Macedo Dias

EDUCATION

Master of Arts in Economics   **Sep 2023 - Jul 2024**
University of British Columbia (UBC)   *CGPA: 4.3/4.33*

Bachelor in Economics   **Jan 2017 - Dec 2022**
Universidade de São Paulo (FEA-USP)   *Grade: 7.3/10, Class ranking: 10/52*
Thesis: Was inflation higher in regions that benefited most from the Emergency Aid program? (English, Portuguese). It was awarded the second-best economics bachelor's thesis in 2022.

Exchange Program   **Sep 2019 - Feb 2020**
Technische Universität Berlin

RESEARCH EXPERIENCE

Research Assistant   **Mar 2023 - Aug 2023**
Universidade de São Paulo (FEA-USP)   *São Paulo*

- Performed economics research for Dr. Paula Carvalho Pereda.
- Lead the Review and Resubmit process of "Crime and economic growth: A case study of Manaus, Brazil"
- Supported the econometric analysis on "Health Shocks under Hospital Capacity Constraint: Evidence from Air Pollution in Sao Paulo, Brazil"
- Contributed to to various economic research projects by reviewing literature, writing code on R, Python and Stata for data collection and cleaning, estimating econometric models, and writing sections of academic manuscripts

Work in progress
- "*Organized Crime and Societal Dynamics: Evidence from Manaus, Brazil*" [Draft Version]
    - ✧ Used Synthetic control methodology to analyze the effects of the crime group *Família do Norte* on labor market dynamics, educational attainment, and health outcomes

- "*Was inflation higher in regions that benefited most from the Emergency Aid program?*"
    - ✧ Building on my bachelor thesis, this research seeks to study the effects of the *Auxílio Emergencial* (Emergency Aid) program on the prices of food, using a DiD estimator with continuous treatment and a panel data of geolocalized prices and beneficiaries in the municipality of São Paulo

PRIVATE SECTOR WORK EXPERIENCE

Macro Capital Asset Management   **São Paulo**
Economist   *Aug 2022 - Jan 2023*
- Analyzed fiscal policy and constructed government debt scenarios in a context of high uncertainty (e.g. elections/government transition), requiring a deep knowledge of government budget and fiscal rules
- Evaluated Mexico's monetary policy decisions and overall economic performance

Macro Research Intern   *Aug 2021 - Aug 2022*
- Constructed econometric models for forecasting high frequency economic activity time series, including SARIMA models, Lasso regressions and a GDP nowcast
- Researched and presented the economic scenario to managers to assist in the hedge fund allocation decision
- Automated reports and data extraction with Python and R

Federation of Industries of the State of São Paulo (Fiesp)   **São Paulo**
Intern at Department of Competitiveness and Technology   *Jan 2021 - Aug 2021*
- Participated in the collection, treatment and analysis of data on Industrial Policy
- Wrote reports on Fiscal Policy, Monetary Policy, Industry 4.0 and Challenges of Brazilian competitiveness

Bradesco **Osasco**

Intern at Department of Loans and Financing *Aug 2018 - Aug 2019*

- Assisted on pricing modeling and developed market share analysis and price elasticity tests

SKILLS

Programming:

Github: https://github.com/femdias

- Advanced Python: Proficiency in data science (Numpy, Pandas, Matplotlib), web scraping (Selenium), econometrics (Statsmodels) and geospatial (Geopandas)
- Advanced R: Experience with econometrics/statistics packages (fixest, plm, glmnet, fable, did) and data wrangling packages in tydeverse
- Basic knowledge of Stata (reghdfe, Synth)

Teaching:

- Teaching Assistant, *UBC*
  - ◇ ECON 101 Microeconomics (Fall 2023), ECON 102 Macroeconomics (Winter 2024)
  - ◇ Responsibilities: Grade and invigilate exams, lead weekly tutorials and office hours
- Volunteer programming teacher, *Da Periferia Para o Mundo* social project (Winter 2023).
  - ◇ Taught children aged 13-14 coding in Scratch and Python

Additional Courses:

- MITx MicroMasters Program in Data, Economics, and Design of Policy (4 out of 5 courses completed)
- Statistics with Python - 3 courses specialization - University of Michigan (via Coursera)

Languages:

- Portuguese (native), English (fluent, TOEFL score: 110), Spanish (beginner), German (beginner)

AWARDS

Second Place in the Award of Academic Excellence, 2022

Universidade de São Paulo (FEA-USP)

- Award given by the Department of Economics to the best economics bachelor's theses of the year

Honorable Mention in Prize of Excellence in Economics - Bachelor Thesis, 2023

Regional Economic Council of São Paulo (CORECON-SP)

- Award given to the best economics bachelor's theses across São Paulo of the year