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# Felipe Macedo Dias

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## EDUCATION

**Master of Arts in Economics**  
*University of British Columbia (UBC)*

**Sep 2023 - Jul 2024**  
CGPA: 4.00/4.33

**Bachelor in Economics**  
*Universidade de São Paulo (FEA-USP)*

**Jan 2017 - Dec 2022**  
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**  
*Technische Universität Berlin*

**Sep 2019 - Feb 2020**

## RESEARCH EXPERIENCE

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

**Mar 2023 - Aug 2023**  
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 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**  
*Economist*

**São Paulo**  
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)**  
*Intern at Department of Competitiveness and Technology*

**São Paulo**  
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**

*Intern at Department of Loans and Financing*

**Osasco**

*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) and data wrangling packages in tidyverse
- 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 (C1, 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