

JOSÉ ALBERTO FERREIRA

Department of Economics - European University Institute (EUI) | Florence, Italy
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EDUCATION

- PhD in Economics* 08/2021–Present **European University Institute (EUI)**
Third-year researcher. Fields: Macroeconomics, Firm Dynamics.
Current projects: (1) Nonlinearities in productivity dynamics: TFPQ vs TFPR [with Marius Grünewald and David McCarthy]; (2) Financial frictions with intangible capital. Both projects make use of firm-level Portuguese data.
Supervisors: Russell Cooper and Giancarlo Corsetti.
- Graduate Diploma in Mathematics* 10/2019–07/2021 **London School of Economics and Political Science (LSE)**
Distance learning programme administered by the University of London.
- Courses: *Optimisation Theory, Advanced Analysis, Further Linear Algebra, Further Calculus.*
- MSc in Economics* 09/2018–07/2019 **Specialisation in Monetary Economics.**
- Thesis: *Assessing the Dimensionality and Heterogeneity of Asset Price Responses to ECB Policy Statements.* Proposes a unified framework to assess markets' responses to ECB policy surprises, using a latent factor model, hedged on a high-frequency dataset for the Eurozone, to measure each policy tool's impact on asset prices across classes, maturity, rating, and issuer's nationality. Awarded *Distinction*.
- Grade: *Pass.*
- BSc in Economics* 09/2015–07/2018 **Nova School of Business and Economics (Nova SBE)**
- Relevant courses: *Linear Algebra, Calculus I, Calculus II, Statistics, Data Analysis and Probability.*
- Ranked top student on all core Macroeconomics courses: *Principles of Macroeconomics (19/20); Intermediate Macroeconomics (18/20); Macroeconomic Policy (17/20).*
- Grade: 17.40/20.00, *First Class Honours* (ranked 3rd in 192-student cohort).

RESEARCH EXPERIENCE

- Consultant* 07/2024–Present **Halle Institute for Economic Research (IWH), CompNet**
External research consultant on firm dynamics and productivity.
- Collaborate with the construction of the Micro Data Infrastructure (MDI): a European-wide tool assembling confidential firm-level data for research on competitiveness.
- Conduct cross-country research (brief policy notes) on firm dynamics topics using this novel dataset
- Research Assistant* 08/2020–07/2021 **Directorate General Research, ECB**
Research trainee to Dr. Kalin Nikolov at the Financial Research Division (FIR).
- Calibration, estimation and enhancement of medium-scale New Keynesian DSGE models, with emphasis on real-financial linkages and the role of macroprudential policy.
- Work with optimisation, nonlinear equation solvers and numerical integration in both Matlab and Dynare; perform simulations and study Ramsey-optimal policies in DSGE models.
- Scientific Advisor* 09/2019–Present **Portuguese Business Cycle Dating Committee, FFMS**
Member of the independent committee of experts responsible for dating the peaks and troughs in the Portuguese business cycle. Funded by *Fundação Francisco Manuel dos Santos (FFMS)*.
- Responsible for database maintenance (500+ indicators, several sources), elaborating reports on key issues of the business cycle, and time-series analysis.
- Co-authored a series of reports on each recession since 1910, [available](#) to a general audience (in PT).

09/2019-07/2020

Department of Economics, LSE

Research Assistant

Research Assistant to Prof. Ricardo Reis at the Centre for Macroeconomics (CFM-UK).

- Data collection and cleaning with Python, database construction and maintenance with R, programming (Matlab), proofreading, and text editing.
- Topics: theory and empirics of inflation expectations, business cycles, and international currencies.

NON-RESEARCH EXPERIENCE

09/2023-03/2024

Robert Schuman Centre for Advanced Studies, EUI

Teaching Assistant

Class teacher to the Monetary Policy module of the Central Banking and Banking Supervision Executive Education Programme, lectured by Prof. Edouard Challe & Prof. Giancarlo Corsetti.

- Prepared class material, led class discussions, and managed remote teaching part of the course.

09/2021- 01/2023

Department of Economics, EUI

Researchers'
Representative

Representative of researchers in departmental and university decision-making bodies

- Proposed framework to fund the fifth year of the PhD programme. Advisory in faculty hiring, coursework structure, and other departmental regulations. Organisation of social events.

09/2018-07/2020

Department of Economics, LSE

Teaching Assistant

Class teacher of EC210 - Macroeconomics Principles for Prof. Ricardo Reis & Dr. Kevin Sheedy.

- 4.7/5 student evaluation (c. 80 students 2019/20, c. 40 students 2018/19; weekly seminars).
- Responsible for small-group teaching of an intermediate macro course (2nd and 3rd year students).

Class teacher of EC220 - Intermediate Macroeconomics, LSE Summer School 2019 (1-month course).

TRAININGS & OTHER COURSES

06/2024

How do Firms Behave? | Gerzensee

Summer School on
Firm Dynamics

Instructor: Prof. David Thesmar.

Graduate course bridging recent developments on corporate finance and firm dynamics' literature.

07/2023

Firms in Macro-Finance | BGSE

Instructor: Prof. Andrea Caggese.

Stylised facts on firm dynamics. Models of missallocation with financial frictions. Empirics of productivity and financial constraints' measurement.

08/2020

Tools for Macroeconomists | Oxford University

Summer School on
Quant. Methods

Instructors: Prof. Wouter Den Haan, Prof. Petr Sedlacek, and Prof. Pontus Rendahl.

Perturbation and projection methods in solving DSGE models, with focus on computation using Matlab and Dynare (e.g. applications to occasionally binding constraints and heterogeneous agents).

COMPUTER & LANGUAGE SKILLS

Languages

PORTUGUESE (native) · ENGLISH (proficient) · SPANISH (intermediate) · GERMAN (basic)

Programming

JULIA (adv.) · R (adv.) · PYTHON (int.) · MATLAB (adv.) · DYNARE (int.) · STATA (elem.) ·

Software & Tools

MICROSOFT OFFICE · L^AT_EX

AWARDS & GRANTS

2021-present · *Bolsa de Investigação* – Portuguese Foundation for Science and Technology (FCT).

2019 · *Excellence in Macroeconomics Award* – LSE – for outstanding contributions to a series of macroeconomic discussions organized by Prof. Wouter Den Haan among the LSE MSc cohort.

2018 · *Academic Merit* – Nova SBE – for excellent academic performance during the BSc.

2015 · *Nova SBE Excellence Scholarship* – Nova SBE – full tuition scholarship for top-ranked candidates.