Tommaso Di Francesco

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tommasodf.github.io

Research Interests

Behavioral Economics, Non-linear Dynamics, Macroeconomics

Academic Employment

2025 - **Postdoctoral researcher**, Finance group, University of Bonn.

Education

2025	**Ph.D.**, Economics, University of Amsterdam. Joint with Ca' Foscari University of Venice Advisors: Cars Hommes (UVA) and Paolo Pellizzari (UNIVE) EU MSCA programme Economic Policy in Complex Environments (EPOC)
2020	**M.A.**, Economics and Finance, Ca' Foscari University of Venice
2017	**B.Sc.** Economics and Management, University of Rome Tor Vergata

Teaching

Ca'Foscari University of Venice

2024	Computational Tools for Economics and Finance (ET4010) Trained a custom version of GPT 3.5 on the material of the course. The resulting software was made accessible to students as a Virtual Teaching Assistant.
2019, 2022	Teaching Assistant, Optimization (EM2Q12)
2019	Teaching Assistant, Financial Mathematics (ET0046)
2019	Tutorial Assistance, Mathematics For Economics (ET0047)

University of Amsterdam

2024	Tutorial Assistance, Mathematics 1 for Economics (6011P0236Y)
2024	Tutorial Assistance, Microeconomics (6011P0139Y)
2025	Tutorial Assistance, Statistics 1 for Economics (6011P0245Y)
2025	Tutorial Assistance, Econometrics 2 (6012B0378Y_B5)

Work Experience

2019-2020 Financial Consultant, Ernst&Young, Milan, Italy

Research

Publications

- **Sentiment-Driven Speculation in Financial Markets with Heterogeneous Beliefs: A Machine Learning Approach** (with Cars Hommes)
  Journal of Economic Dynamics and Control, 2025. Accessible here.
- **(Mis)information diffusion and the financial market** (with Daniel Torren Peraire)
  Journal of Economic Behavior and Organization. Accessible here.

Programming

Python, Julia, R, Stata

Last updated: February 1, 2026