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Francesco Furno

Economist, Amazon | New York, NY, USA
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Employment

Amazon, Economist, New York, 2025-present
Chief Economist's team, integrating external signals into forecasting systems and developing models to enhance planning and scenario analysis capabilities.

Amazon Web Services (AWS), Economist, New York, 2022-2025
Integrating IT and cloud signals into forecasts and developing macroeconomic scenarios for planning.

Goldman Sachs, Ph.D. Intern, London, 2016
Chief European Economist's team, fiscal policy and business cycle analyses for the euro area.

Education

Ph.D. in Economics, New York University, 2022
M.Phil. in Economics, New York University, 2022
M.Sc. in Economic and Social Sciences, Bocconi University, 2015
B.A. in Economics and Business Management, Catholic University of Milan, 2012

Research in Progress

"The Macroeconomic Effects of Corporate Tax Reforms"

"Business Cycles and Financial Conditions: A Non-Parametric VAR (NP-VAR) Approach"
(with D. Giannone)

"Dating Business Cycles with Economic Sentiment and Financial Conditions"
(with D. Giannone, A. Sokol)

"Testing Growth Vulnerabilities and Macro-Financial Linkages"
(with D. Giannone, L. Iania, F. Loria, C. Schulz)

"Beyond Point Forecasts: Econometric Analysis of Macroeconomic Risk"
(with T. Adrian, N. Boyarchenko, D. Giannone, L. Iania, M. Lenza, F. Loria, C. Fernandes, S. Sola)

"Targeting Outcomes with Structural VARs"
(with A. Carriero, M. Cocci, D. Pettenuzzo)

Publications

"Nowcasting Recession Risk" (with D. Giannone). 2024. **Handbook of Research Methods and Applications on Macroeconomic Forecasting** by Galvao and Clements (Eds.)

Patents

US Patent 12353469B1. "Verification and citation for language model outputs" (with L. Mahabadi, A. Illichmann, T. Ge, S.H.M. Raju, S. Yadav, S.K. Sevichan, M.D. De Pooter). Issued 2025-07-08. Amazon Technologies Inc.

Conferences and Seminar Presentations

2025: 19th International Joint Conference CFE-CMStatistics; Bank of England; Annual Conference on Real-Time Analysis, Methods and Applications (Deutsche Bundesbank)*; 40th Meetings of the European Economic Association (Bordeaux)*; IAAE 2025 Annual Conference*; 6th Biennial Conference on Uncertainty and Risk in Macroeconomics (Aix-Marseille School of Economics)*; 32nd SDNE Annual Symposium*; Emory University Applied Macroeconomics Workshop*.

2024: Annual Conference on Real-Time Analysis, Methods and Applications (Bank of Canada); 31st SDNE Annual Symposium, BSE Summer Forum**; North American Summer Meetings of the Econometric Society; 4th Dolomiti Macro Meetings*.

2023: Federal Reserve Bank of Chicago; 43rd International Symposium on Forecasting; 38th Meetings of the European Economic Association; IAAE 2023 Annual Conference**; International Conference on Econometrics and Statistics (EcoSta 2023); PSE Workshop on Nowcasting*; 17th International Conference on Computational and Financial Econometrics (CFE 2023).

2022: International Institute of Public Finance 78th Congress**; North American Summer Meetings of the Econometric Society; National Tax Association 115th Annual Conference**; 37th Meetings of the European Economic Association; Deloitte UK Corporate Finance Division; 29th SDNE Annual Symposium; CeSifo Public Economics; Federal Reserve Bank of St Louis; International Atlantic Economic Conference.

*by co-author; **accepted

Professional Activities

Referee: Canadian Journal of Economics; International Journal of Forecasting; Journal of Macroeconomics.

Teaching Experience

Instructor, Monitoring and Forecasting Macroeconomic and Financial Risk, SoFiE, 2024
Instructor, Econometrics (undergraduate), NYU, 2019-2021
TA, Macroeconomic Theory (graduate), NYU, 2017-2021
TA, Econometrics (undergraduate), NYU, 2019-2021
TA, Statistics (undergraduate), NYU, 2018, 2020
TA, Macroeconomics (MBA), SDA Bocconi School of Management, 2014-2015

Fellowships, Scholarships, and Awards

NYU MacCracken Fellowship, 2016-2021
BFI Macro Finance Research Program (MFR) Summer Session, 2020
Federal Reserve Bank of St Louis Dissertation Fellowship, 2020
BFI Price Theory Summer Camp, 2018
BFI Macroeconomics Summer Camp, 2017
Fondazione Grazioli Outstanding M.Sc. Thesis Award, 2015
Bank of Italy Bonaldo Stringher Fellowship (Merit Mention), 2015
IGIER-Bocconi Visiting Student, 2014
Bocconi Merit Award (M.Sc. Tuition Waiver), 2012
Catholic University Merit Scholarship, 2010-2011

Languages and Tools

Languages: English (fluent), Italian (native), Spanish (basic).
Programming: MATLAB, Python. Familiar with R, Stata, SQL, Linux.