LAPO BINI

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PROFESSIONAL EXPERIENCE

Economist - Now-Casting Economics Ltd (full-time)
London, UK
06/2021 - 06/2024

- I Implemented Nowcasting Models for several advanced and emerging economies, relying on the Dynamic Factor Model of Banbura and Modugno (2010).
- I re-wrote the code for the traditional models used by the company for almost 10 years, reaching a computational gain of almost x15 speed-up.
- I designed a new class of Dynamic Factor Models which are able to deal both with high-frequency data, mainly daily and weekly, and standard monthly/quarterly series. The model actually produces real-time predictions targeting inflation of 12 advanced economies and emerging markets, and GDP growth rates for the G7 countries.
- I developed and implemented a real-time nowcasting model for the German Federal Ministry of Economic Affairs and Climate Action to predict Inflation and real GDP growth using high-frequency and alternative data.

Research Associate - London Business School (part-time)
London, UK
01/2022 - 09/2023

- Part time contract as research associate working with professor Lucrezia Reichlin, who is also co-founder and director of Now-Casting Economics Ltd. and former Director General Research at the European Central Bank (ECB).
- Studied the impact of oil supply shock on prices, using a structural Bayesian VAR with more than 100 disaggregated prices and real variables for the US and the Euro Area. Work presented at the 25th Annual DNB Research Conference (November 2022), Inflation strikes back: drivers and policy reactions, title: "*Inflation Puzzles*".
- Working paper on the stability of the Phillips curve in the US over a hundred year.

Research Assistant - Centre for Economic Policy & Research (CEPR)
London, UK
01/2023 - 08/2023

- Research assistant for Professor Lucrezia Reichlin (London Business School), Professor Silvana Tenreyro (London School of Economics), Professor Veronica Guerrieri (Chicago Booth) and Michala Marcussen (Societe Generale).
- Geneva Report: Inflation and Relative Prices. The report reviews developments in inflation and in particular the impact of the large changes in terms of trade caused by the Covid-19 pandemic and the war in Ukraine.
- Report presented at the 25th ICMB Geneva Conference on the World Economy.

EDUCATION

University of California, San Diego
San Diego, US
09/2023 – Present

- PhD Student in Economics - GPA: 3.97/4. University ranking: 19th worldwide.
- Research Interests: Macroeconomics, Econometrics.
- Graduate Research Fellowship, supervisor Prof James D. Hamilton.
- Head Teaching Assistant ECON120A (undergraduate econometrics, Fall 2024).

Barcelona School of Economics
Barcelona, SP
09/2020 – 07/2021

- Master Program in Economics & Finance (English) - GPA: 9.26/10, top 1.
- University ranking: first economic institution in Spain, among the top 5 economics department in Europe and the top 15 economics department in the world for research - *RePEc* 2021.
- Main courses: Asset Pricing, Macroeconomics, Econometrics and Time Series Analysis.

Sant'Anna School of Advanced Studies & University of Pisa
Pisa, IT
09/2018 – 07/2020

- Master of Science in Economics (English) - Final grade: 110/110 cum laude.
- University ranking: first at national level and fourth at world level of best young universities - Times Higher Education World University Ranking 2021
- Main courses: Advanced Macroeconomics - Microeconomics & Econometrics, Stochastic Calculus, Linear Algebra and Statistics.

University of Pisa
Pisa, IT
10/2015 – 04/2018

- Bachelor's Degree in Economics (Italian) - Final grade: 110/110 cum laude & academic commendation. Graduation date: April 2018, one semester ahead.

PUBLICATIONS & RESEARCH PROJECTS

- Bini, Lapo, Ricco, Giovanni and Reichlin, Lucrezia (2024): "*A Hundred Years of Business Cycles and the Phillips Curve*" (Working Paper).
- Bini, Lapo, and Mueck, Daniel (2021): *"Does Macro-Financial Information Matter for Growth-at-Risk Forecasting?"* In: The Voice - Barcelona School of Economics.

FURTHER EDUCATION

- **Understanding Macroeconomic Fluctuations - Paris School Of Economics (July 2021)**
  The PSE Summer School covered a wide range of Heterogeneous Agent New Keynesian Models. Different specifications of this class of models were studied in relation to fiscal and monetary policies, asset bubbles and unemployment volatility.

- **Macroeconomic Modelling and Estimation - The Julius Maximilians University of Würzburg (June 2021)**
  At the University of Wurzburg Summer School I learnt how to solve, calibrate and simulate New Keynesian DSGE Models using Matlab and Dynare. Advanced topics covered: forecasting, model uncertainty, financial friction and monetary policy under the zero lower bound.

- **First Santander Financial Engineering School (March 2021)**
  Advanced School organised by Centre De Recerca Matematica, Universitat Autonoma de Barcelona and Banco Santander, intended for professional and PhD students in Quantitative Finance. The school aimed to provide intense training in quantitative finance, econometrics and stochastic calculus.

LANGUAGE & IT SKILLS

- **Languages**   Italian (Native), English (C1), Spanish (B1).
- **Programming**   Julia - R - Python - Matlab - Latex (Advanced)
- **Software**   Dynare (Advanced), Stata (good)
- **Others IT skills** Latex - MS Office - Github (Advanced)

AWARDS

- **Regents Fellowship - University of California, San Diego (2023)**
  Reduction of 100% on tuition fee and financial support for five years of graduate study.

- **Summer Research Fellowship - University of California, San Diego (2023)**
  Financial support to conduct independent research during the spring quarter.

- **Summer School Scholarship - The Julius Maximilians University of Würzburg (2021)**
  Reduction of 100% on tuition fee, awarded to top candidates.

- **PhD Student Position - Barcelona GSE PhD Program in Economics and Finance (2021)**
  As the best student in the Barcelona GSE Economics and Finance Program for academic performance, I was admitted directly to the PhD Program before finishing the Economics & Finance Program (declined).

- **Unicredit Foundation MasterScholarship - Barcelona GSE (2020)**
  Winner of the 10^ UniCredit Foundation MasterScholarship. Selected among students of 14 different countries from the eight most prestigious universities in Europe, based on merits.

- **Barcelona GSE Financial Aid (2020)**
  Reduction of 100% on tuition fee: financial aid is awarded based on academic merit in competition with all other candidates.

- **Leonardo S.p.A - Electronics Division Financial Contribution (2015-2020)**
  Scholarship for children of Leonardo S.p.A. employees: based on merit.