

ANDREA DE MAURO

Department of Economics, Manor Road Building, University of Oxford

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EDUCATION

University of Oxford

October 2017 - Present

Ph.D. (DPhil) in Economics

Research focus: Macro-Finance; Machine Learning; Financial Economics; Behavioural Finance.

University of Oxford

September 2014 - June 2016

MPhil in Economics

University of York

October 2011 - June 2014

B.A. (Hons.) in Economics and Politics

First Class Honours (with Distinction)

WORK EXPERIENCE

University of Oxford, Department of Economics

October 2017 - June 2019

College Lecturer in Economics

- Taught and curated the curriculum for the Macroeconomics, Quantitative Methods, and Computational Economics tutorials at University College, Oxford.

OECD, Economics Department

September 2016 - October 2017

Junior Economist (Macroeconomic Analysis Division & Office of the Chief Economist)

- Entirely redesigned the savings and investment parts of the OECD's forecasting model.
- Identified and incorporated early warning indicators into the OECD's forecasting framework, resulting in a significant reduction in forecast errors.
- Built a large real-time, high-frequency database on international capital flows and financial markets that was integrated into the OECD early detection framework.
- Produced reports on the early detection of financial crises and credit markets in EMEs for the OECD's biannual flagship publication, the OECD Economic Outlook.

OECD, Economics Department

June - September 2015

Research Trainee (Macroeconomic Analysis Division)

- Fully redesigned the total factor productivity part of the OECD's forecasting model in only two months.
- Co-authored a working paper outlining the model, scenario simulations, and preliminary forecasts. Was picked to present the working paper to a large group of economists and to country representatives, a first for a trainee.

Oxford Development Consultancy

November 2014 - April 2015

Quantitative Consultant

- Led a team of 10 researchers in the creation of a framework to assess the effectiveness of loans provided by microfinance institutions.

Woodrow Wilson International Center for Scholars

July - September 2013

Research Intern

- Produced research on macroeconomic and financial issues concerning EMEs, resulting in various publications by the Wilson Center.

Supporting Kids In Peru (SKIP)

August - October 2012

Microfinance Consultant

- Made use of SKIP's extensive loan records to create, on my own initiative, an impact measurement framework to assess the effectiveness of microloans and maximise their future impact.
- Oversaw the allocation of loans and the day-to-day running of the microfinance office.

SKILLS AND CERTIFICATIONS

Languages	English (Native Proficiency); French (Native); Italian (Native); Spanish (Working Capacity).
Software	Python (NumPy, Pandas, Seaborn, Matplotlib, Plotly, Scikit-Learn, Tensorflow); Matlab; R; Julia; Stata; SQL; Bloomberg; LaTeX.
Certifications	Certificate in Machine Learning, Stanford University (2021). Python for Data Science and Machine Learning Bootcamp, Udemy (IP). The Complete Python Pro Bootcamp, The London App Brewery (IP).

PUBLICATIONS AND WORKING PAPERS

“Dealing with Uncertainty: Speculative Bubbles and Monetary Policy”. 2020. Working Paper, University of Oxford.

“Saving, Investment, Capital Stock and Current Account Projections in Long-Term Scenarios” (with Yvan Guillemette and David Turner). 2018. OECD Economics Department Working Paper, No. 1461.

“A Revised Approach to Productivity Convergence in Long-Term Scenarios” (with Yvan Guillemette, Alexandre Kopoin and David Turner). 2017. OECD Economics Department Working Paper, No. 1385.

“Optimal Fiscal Policy in Heterogeneous-Agent Models”. 2016. Working Paper, University of Oxford.

“A Reconsideration of the Economic Impact of Natural Resources: Institutional Endowment, Policy Mix, and the Conditional Resource Curse”. 2014. St Antony's College Annual Conference, University of Oxford.

“Africa's Burden: Labour Markets, Natural Resources and the FDI 'Reliance-Rejection' Paradox”. 2013. e-International Relations. Full version available at: Social Science Research.

AFFILIATIONS

Econometric Society; American Economic Association; European Economic Association.
Oxford Union; Oxford University Boxing Club; Club of Politics, Economics & Philosophy.

HOBBIES

Politics and Current Affairs; Coding; Cybersecurity; Drums; Boxing; Surfing; Kayaking; Football.