

CARLOS MORENO PÉREZ

Statistics Department, Bank of Spain

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RESEARCH INTERESTS

International Economics, Text Mining, Machine Learning, Macroeconometrics, Microeconometrics, Monetary and Fiscal Policy, Trade, Finance, Public Economics, Urban Economics, Energy Economics

PROFESSIONAL EXPERIENCE

Bank of Spain, Spain *Since September 2023*
Junior Economist, Statistics Department

Pablo de Olavide University, Spain *October 2022 - May 2023*
Postdoctoral Researcher, Department of Economics

Bank of Spain, Spain *October 2020 - September 2022*
Research Assistant, International Economics and Euro Area Department

EDUCATION

University of Verona, Italy *(2017-2021)*

Ph.D. in Economics and Management (Economics Curriculum)

Advisor: Marco Minozzo

Thesis Title: Text Mining in Macroeconomics and Finance Using Unsupervised Machine Learning Algorithms

Ph.D. Structure: The first year consisted of Ph.D. courses that were taught jointly with the **University of Padova (Italy)**. The following years were dedicated to the Ph.D. thesis.

Université du Québec à Montréal, Canada *(2020)*
Visiting Ph.D. Student

Kiel Institute for the World Economy, Germany *(2015-2016)*
Advanced Studies Program in International Economic Policy Research

Autonomous University of Madrid, Spain *(2014-2016)*
M.Sc. in International Economics *90 ECTS*

University of Seville, Spain *(2010-2014)*
B.Sc. in Economics *240 ECTS*

KU Leuven University, Belgium *(2013-2014)*
Erasmus Exchange Programme during the B.Sc. in Economics, University of Seville

PUBLICATIONS

- “‘Making text talk’: the minutes of the Central Bank of Brazil and the real economy”. *Journal of International Money and Finance*, **147**, 103133, September **2024**. Carlos Moreno-Pérez and Marco Minozzo.
- “Natural language processing and financial markets: semi-supervised modelling of coronavirus and economic news”. *Advances in Data Analysis and Classification*, June **2024**. Carlos Moreno-Pérez and Marco Minozzo.
- “A new supply bottlenecks index based on newspaper data”. *International Journal of Central Banking*, **20**, 2, pp. 17-67, April **2024**. Pablo Burriel, Iván Kataryniuk, Carlos Moreno-Pérez and Francesca Viani.

WORKING PAPERS

- “Monetary policy uncertainty in Mexico: an unsupervised approach”. *Banco de España Working Paper*, n. 2229, September **2022**. Carlos Moreno-Pérez and Marco Minozzo.

POLICY PAPERS

- “The Next Generation EU program: features and keys to success”. *Revista ICE*, n. 924, February **2022**. Daniel Alonso, Iván Kataryniuk, Carlos Moreno-Pérez and Javier J. Pérez.
- “Fiscal policy measures adopted since the second wave of the health crisis: the Euro Area, the United States and the United Kingdom”. *Bank of Spain Occasional Paper*, n. 2118, August **2021**. Daniel Alonso, Alejandro Buesa, Carlos Moreno-Pérez, Susana Párraga and Francesca Viani.
- “Fiscal policy response to the crisis in the Euro Area and the United States”. *Economic Bulletin, Bank of Spain*, Box 2, December **2020**. Luis Guirola Iván Kataryniuk and Carlos Moreno-Pérez,.

TEACHING EXPERIENCE

Pablo de Olavide University, Spain	October 2022- January 2023
Professor of Macroeconomics I (Bachelor in Accounting & Finance)	8 ECTS
University of Verona, Italy	November 2019 - December 2019
Academic Tutor for ‘Probability’ (Ph.D. level)	10 hours of lessons

PRESENTATIONS

Pablo de Olavide University	February 2023
2020 Banca d’Italia and Federal Reserve Board Joint Conference on Nontraditional Data & Statistical Learning with Applications to Macroeconomics (Federal Reserve Board and Banca d’Italia - Virtual)	November 2020
Modelling with Big Data & Machine Learning: Measuring Economic Instability (Bank of England, Federal Reserve Board and King’s College - Virtual)	November 2020

SUMMER SCHOOLS AND MINI-COURSES

Temporal Disaggregation and Benchmarking of Time Series (Spanish Statistical Office)	2024
New Developments in Applied Time Series Analysis (F. Canova, Budapest School for Central Bank Studies)	2022

II Course on Machine Learning and Central Banking (G. Alves, S. Bender and S. Seltmann, Centre for Latin America Monetary Studies)	<i>2021</i>
Network Analysis in Finance and Economics (C. Brownlees and I. van Lelyfeld, European University Institute)	<i>2021</i>
Machine Learning Algorithms for Econometricians (A. Charpentier and E. Flachaire, Italian Econometric Association)	<i>2019</i>
Machine-Learning Methods for Economists (S. Hansen, CEMFI)	<i>2018</i>
Advanced Courses in Economics: Microeconometrics Discrete Choice and Panel Data Models (W. H. Greene, R. Sánchez and J. Barbero, Autonomous University of Madrid)	<i>2015</i>

PERSONAL INFORMATION

Nationality: Spain

Software Skills: Stata, Python, R, MS Office, LaTeX, Matlab, MicroStrategy.

Language Skills: Spanish (Native); English, Italian (Fluent); Portuguese (Advanced); French (Upper intermediate).

LANGUAGE CERTIFICATES

Portuguese C1 - DAPLE (Centro de Avaliação de Português Língua Estrangeira - CAPLE)	<i>2021</i>
Italian C1 - Livello Tre - C1 (Università per Stranieri di Siena - Centro CILS)	<i>2019</i>
English C1 (International English Language Testing System - IELTS)	<i>2019</i>
French B2 - DELF B2 (Ministère de l'Éducation Nationale - République Française)	<i>2017</i>
Chinese A1 - HSK Level 1 (Confucius Institute Headquarters - Hanban)	<i>2017</i>

Last updated: February 27, 2025