

JOSÉ MANUEL CARBÓ MARTÍNEZ - CURRICULUM VITAE

Email: jose.carbo@bde.es

Current position

2019 - Economist, *Bank of Spain, Division of Financial Innovation*

Education

2014 - 2017 **PhD in Economics**, *Universidad Carlos III de Madrid*

Research interests: applied economics, macroeconomics, access to credit (Cum Laude)

2012 - 2014 **Master in Economic Analysis**, *Universidad Carlos III de Madrid*

Thesis: "Small and young: Financial vulnerability in Spain." (With distinction)

Average grade: 8.4 out of 10

2011 - 2012 **MSc in Macroeconomic policy and financial markets**, *Barcelona Graduate School of Economics*

Thesis: "The economic cost of terrorism." (With distinction)

Average grade: 8.1 out of 10

2010 **International Exchange Program**, *Rutgers University, New Jersey - United States*

Average grade: 9.25 out of 10

2006 - 2011 **BA in Economics**, *Universitat de Valencia*

Average grade: 8.4 out of 10

Publications

2021 "Quantifying the impacts of air transportation on economic productivity: a quasi-experimental causal analysis",

Economics of Transportation, with Dan Graham

2020 "Understanding the costs of urban rail transport operation",

Transportation Research Part B, with Anupriya, Dan Graham, Prateek Bansal and Richard Anderson

2020 "Do changes in air transportation affect productivity? A cross country panel approach",

Regional Science, Policy and Practice, with Laila Ait Bih Ouali and Dan Graham

2019 "Causal effect of high speed rail: Evidence for the Madrid-Barcelona Corridor",

Journal of Applied Statistics, with Dan Graham, Anupriya, Patricia Melo, Daniel Casas

Working papers

2021 "Understanding the performance of machine learning models to predict credit default: a novel approach for supervisory evaluation", with Andres Alonso

Working paper Bank of Spain, number 2105

2020 "Machine learning in credit risk: measuring the dilemma between prediction and supervisory cost", with Andres Alonso

Working paper Bank of Spain, number 2032

Relevant Positions Held

2019 Consultant, *ScanmarQED, London*

2017 - 2019 Research Associate, *Railway and Transport Strategy Centre, Imperial College London*

Conference and Workshop Presentations

- 2020 European Banking Authority policy research workshop, Paris
- 2019 Transport Research Board (TRB) conference, Washington DC
- 2018 2018 SMU Conference on Urban and Regional Economics, Singapore 7th Symposium of the European Association for Research in Transportation conference (hEART) meeting, Athens International Transportation and Economic Development (I-TED) conference, Washington DC
International Transportation Economics Association (ITEA) meeting, Hong Kong
- 2016 Cemfi Macroeconomics Workshop, Madrid
ENTER Jamboree, Madrid
Fourth Year PhD Seminar, Universidad Carlos III de Madrid
- 2015 ENTER Jamboree, Mannheim
Third Year PhD Seminar, Universidad Carlos III de Madrid

Teaching Assistanship and Administrative Duties

- 2018 Microeconomics (E, G), Statistics (S, G)
- 2017 Microeconomics (E, G), Statistics (S, G)
- 2016 Growth theory I (E, U), Monetary and financial macroeconomics (S, U), Quantitative microeconomics (S, U)
- 2015 Econometrics I (E, G), Monetary and financial macroeconomics (S, U), Quantitative microeconomics (S, U)
- 2014 Econometrics (S, U), Quantitative microeconomics (S, U)
- 2013 Principles of Economics (S, U)
- English: E, Spanish: S; Undergraduate: U, Graduate: G

Awards, Grants and Scholarships

- 2014, 2015, 2016 UC3M Vice dean's letter for teaching excellence
- 2015-2017 Spanish Ministry of Economics FPI Scholarship
- 2014-2015 PIF Carlos III Scholarship
- 2012-2014 UC3M Master Scholarship
- 2011-2012 La Caixa Graduate Scholarship

Skills

LANGUAGES Spanish (Mother), English (Fluent), Catalan (Fluent)

COMPUTER R, Stata, Matlab, LaTeX, Eviews, Gretl, Python