

Víctor Ortiz Giménez

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RESEARCH INTERESTS

Empirical International Trade, Machine Learning, Econometrics, Developing Econ, Policy Evaluation

EDUCATION

PhD in Economics, Networks and Business Analytics (ENBA) Nov. 2018 – Present

IMT School for Advanced Studies Lucca, Italy

- *Focusing on Public Policy and Machine Learning:* Brexit and Export dynamics in Latin America

MSc Quantitative Economics (QED) Sep. 2016 – Jul. 2018

University of Alicante, Spain

- *Relevant Coursework:* Macroeconomics I/II/III, Advanced Macroeconomics I/II/III, Macroeconometrics, Microeconomics I/II/III, Econometrics I/II/III, Time Series, Mathematics, Statistics, Labour Economics, Behavioural Economics

Bachelor in Economics Sep. 2014 – Jun. 2015

Maastricht University, The Netherlands

- *Exchange Program*
- *Relevant Coursework:* Development Economics, Country Risk Analysis, Banking, International Competition Policy, International Economics, Public Economics

Bachelor in Economics Sep. 2012 – Jun. 2016

University of Carlos III Madrid, Spain

- *Relevant Coursework:* Macroeconomics, Microeconomics, Econometrics, Mathematics, Statistics, Game Theory

EXPERIENCES

Fund Internship Program (FIP) Jun. 2021 – Sep. 2021

International Monetary Fund, Washington DC, US

Research Assistant to Dr. Gabriel Pérez Quirós Feb. 2016 – Jun. 2016

Bank of Spain, Spain

Instructor of EViews course “Time series for medical research” May. 2017 – Jun. 2017

Miguel Hernandez University, Spain

Finance Internship Aug. 2015 – Jan. 2016

Ahorro Corporacion Financiera, Spain

TECHNICAL SKILLS

Softwares & Tools: R (*Advanced*), Stata (*Intermediate*), Eviews (*Intermediate*), MATLAB (*basic*)

Statistical: Panel Data, Time Series, Causal Inference, Big Data, Machine Learning, Text Mining (basic)

LANGUAGES

Spanish: Native

English: Proficiency

Italian: Intermediate

SOFT SKILLS

Collaboration

Creative thinking and problem solving

Resilience

PROJECTS

Research in Progress:

“The Effect of Covid-19 Pandemic on Trade: Evidence from Colombian Firms”

- This paper aims to study the heterogeneity of the effects of trade shocks on different firms by using Causal Machine Learning (CML) techniques. This essay aims to analyze the effect that the COVID-19 crisis has on the trade flows and the firm’s adjustment to this shock in Colombia. Machine-Learning techniques are beneficial in the presence of large amounts of data (1+ million of customs transactions) as well as in the presence of complex inter-dependencies between firms and products belonging to different sectors and countries. Besides the temporal dimension, I find that the main factors predicting treatment heterogeneity are interactions between firm size and the industry where the exporter operates. Models, maps visualization, and cleaning data are carried out in R.

Working Paper:

“The Economic Cost of a Referendum. The case of Brexit”

- This paper estimates how GDP would have behaved in the United Kingdom after the Brexit referendum in the absence of the mentioned poll. The analysis contributes to the research on the effects of Brexit by quantifying the macroeconomic cost of this referendum before the actual Brexit had taken place. Using synthetic counterfactual techniques, in a panel of 33 countries, I find a large and significant cost of the Brexit referendum on the UK’s GDP. The loss increased in time, representing 156.03 billion of USD from 2016.Q3 to 2017.Q4. The software used was Stata.

Bank of Spain:

“Nowcasting the Economy”

- Use Dynamic Factor models to predict the Economy in real-time in MATLAB. Usually, GDP data is released quarterly. Using four monthly variables (Industrial Production Index, Retail Sales, Imports, and Employment) and Kalman Filter, I predicted +70% of the monthly GDP growth.

PRESENTATIONS & CONFERENCES

- 2021** Leuven-Louvain Trade Workshops. Belgium (Online)
- 2021** 16th International Study Group on Exports and Productivity (ISGEP). Nice, France
- 2021** IV Jornada de Investigación en Internacionalización. Madrid, Spain (Online)
- 2020** III Jornada de Investigación en Internacionalización. Madrid, Spain (Online)
- 2019** Spanish Economic Association Conference (SAEe). Alicante, Spain
- 2019** 14th Economic Policy International Conference (JIPE14). Barcelona, Spain

GRANTS, SCHOLARSHIPS AND AWARDS

IMT School for Advanced Studies Scholarship <i>Full Doctoral Scholarship</i>	2018 – Present
University of Alicante Scholarship <i>Fee waiver</i>	2017 – 2018
Spanish Government Scholarship <i>Fee waiver</i>	2012 – 2017
Erasmus Grant <i>Erasmus Exchange Program</i>	2014 – 2015

OTHER ACTIVITIES

I have played handball at a semi-professional level for about six years, enjoy playing padel, and like traveling. Besides, I enjoy broadening my knowledge by taking different online courses, being currently enrolled in a Udemy course on machine learning and a course on text mining.