Nicolás Forteza

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Born: July 8th, 1994, Spain
Nationality: Spanish/Argentinian

Current position

2020-   *Data Scientist*, DG Economics and Research, Bank of Spain

Past Positions

2018-2020   *Data Scientist*, Keepler Data Tech, Madrid
2017-2018   *Data Scientist*, ETS Asset Management Factory, Madrid

Education

2024   MSc in Economics Research, UNED
2017   MSc in Data Science, CUNEF
2015   VISITING Universittá Católica del Sacro Cuore, Milan
2016   BA in Economics and Finance, Universidad Autónoma de Madrid

Research

WORKING PAPERS

2024   "Pollution, Density and Low Emission Zones: European Evidence", *with José M. Labeaga*
2024   "Analysing the VAT Cut Pass-Through in Spain using Supermarkets' Web-scraped Data and Machine Learning", *with Elvira Prades and Marc Roca*
2023   "A Score Function to Prioritize Editing in Household Survey Data: A Machine Learning Approach", *with Sandra García-Uribe*

2023   "The Impact of Data Editing on Wealth: Evidence from the Spanish Survey of Household Finances", *with Jorge E. Abad and Cristina Barceló*

2023   "Evaluating the Measurement of Household Expectations with Audio Recordings", *with Javier J. Alonso and Laura Crespo*

2023   "Measuring non-Workers Labor Market Attachment with Machine Learning", *with Sergio Puente*

2022   "News Concentration", *with Sandra García-Uribe*

Software and Apps

Web   Survey of Financial Competences (link)

Web   Spanish Survey of Household Finance (EFF) (link)

Python Experienced Density library (link)

R   GgBdE: a library for corporate graphics.

Conferences, Courses and Teaching

Conferences

2024   Econdat - Economics with Nontraditional Data and Analytical Tools (King's College London), 10th Atlantic Workshop on Energy and Environmental Economics, Joint Statistical Meeting (JSM) of the American Statistical Association (Portland, US)

2023   Symposium of Data Science and Statistics by the ASA (St. Louis, US), Research and Policy Conference of the FCSM (U. Maryland), Big Data and Data Science Applications and Development at Central Banks by CEMLA (online).

2022   Big Data and Data Science Applications and Development at Central Banks by CEMLA (online), Empirical Research with Large Datasets by Banco do Portugal Data Lab (Oporto, Portugal)

2021   Big Data and Data Science Applications and Development at Central Banks by CEMLA (online).

2019   T3chfest at Universidad Carlos III (Madrid, Spain)

Teaching

2021, 2022   R Programming at Blockchain School of Management

Courses

2022   *Experimental Analysis* by Dmitry Arkhangelsky - CEMFI

2018   *Deep Learning* - Udacity