# Nicolás Forteza

Data Scientist at Bank of Spain
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## Employment

| | |
|---|---:|
| Data Scientist, Bank of Spain, *DG Economics and Research* | 2020- |
| Data Scientist, Keepler Data Tech | 2018 - 2020 |
| Data Scientist, ETS Asset Management, *Quantitative Research* | 2017 - 2018 |

## Education

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|---|---:|
| M.Sc. Economics Research, Universidad Nacional a Distancia (UNED) | 2021 - |
| M.Sc. Data Science, CUNEF | 2017 |
| B.Sc. Economics and Finance, Universidad Autónoma de Madrid | 2016 |

## Software

### APPS

| | |
|---|---:|
| Spanish Survey of Household Finances website | 2022 |

### OPEN SOURCE LIBRARIES

| | |
|---|---:|
| expden: Github repo, PyPi project | 2023 |
| ggBdE: R CRAN Project (*Soon!*) | 2023 |

## Research

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|---|---:|
| A Score Function to Prioritize Editing in Household Survey Data: A Machine Learning Approach, with Sandra García-Uribe | 2023 |
| Alternative Measures of Unemployment using Machine Learning, with Sergio Puente<br>*Draft soon* | 2023 |
| News Concentration, with Sandra García-Uribe<br>*Draft soon* | 2023 |
| Analysing the VAT Cut Pass-Through in Spain using Supermarkets' Web Scraped Data and Machine Learning, with Elvira Prades and Marc Roca<br>*Draft soon* | 2023 |

## Conferences

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|---|---:|
| Federal Committee on Statistical Methodology | 2023 |
| Symposium of Data Science and Statistics @ American Statistical Association | 2023 |
| Empirical Research with Large Datasets @ Banco de Portugal Microdata Research Laboratory | 2022 |

Big Data and Data Science Applications and Development at Central Banks @ CEMLA    2021, 2022, 2023

Anomaly Detection Talk @ TechFest, Universidad Carlos III de Madrid    2019

## Teaching

R Programming at Blockchain School of Management. Link to course    2021, 2022

## Courses

Deep Learning Nanodegree, Udacity    2019

## Programming Languages

Python, R, SQL, Scala, Matlab, Javascript (jQuery, react), CSS, HTML

## References

Available upon request