# Pablo **Forero**

DATA SCIENTIST · ECONOMICS RESEARCHER

*Av. de Valdemarin 91A 1ºD, 28023, Madrid, Spain*

(+34) 651 808 171  |  ✉ work@pabloforero.eu  |  🏠 pabloforero.eu  |  pforero  |  pablo-forero

## **Edu**cation

### European University Institute
PH.D. (ABD) IN ECONOMICS

*Florence, Italy*

*2012 - 2017*

- Thesis title: *Competition, Tasks and Earnings Inequality*
- Supervisor: Ramon Marimón
- Research in International Trade, Macroeconomics, Labour Economics and Computational Economics.

### European University Institute
MRES IN ECONOMICS

*Florence, Italy*

*2012 - 2013*

### Universidad de Navarra
MSc IN ECONOMICS AND FINANCE

*Pamplona, Spain*

*2010 - 2011*

### University of Exeter
B.A. IN ECONOMICS AND POLITICS

*Exeter, UK*

*2006 - 2009*

## **Wor**k Experience

### Allfunds
SENIOR DATA SCIENTIST, INNOVATION LAB

*Madrid, Spain*

*2018 - Present*

- Developed a predictive model using Random Forests, in order to profile retail costumer's fund buying preferences.
- Created a classifier of share classes' assets strategy using Natural Language Processing with prospectus in PDF format.
- Worked in the development of a company Datalake built using Google Cloud.
- Created a tool for the systematic analysis of company prices.
- Developed the pipelines of internal information and advanced analytics for management reporting.
- Worked in the development of a new cloud based rebate calculation tool.
- Created the module used to generate the internal and external reporting of prices and billing.
- Developed predictive indicators commercialized to external costumers.

### SAIS John Hopkins University
TEACHING ASSISTANT

*Bologna, Italy*

*2015*

- Teaching assistant in International Trade for Professor G. Plummer.

### Banif (Santander Private Banking)
ANALYST, ASSET MANAGEMENT

*Madrid, Spain*

*2009 - 2010*

- Analysis of assets and portfolios for asset managers.
- Generate the weekly reporting of the fixed income portfolios.

### Renaissance Capital
INTERN, RESEARCH

*London, UK*

*2008*

- Research on Sub-saharan emerging markets.

### CQS
INTERN, RESEARCH

*London, UK*

*2008*

- Assisted portfolio managers on the analysis of firms, specially their pension liabilities.

### ING Capital
INTERN, RESEARCH

*London, UK*

*2007*

- Research on Easter European emerging markets and Iberian utilities.

# Professional Activities

**EABCN Training School**                                                     *Florence, Italy*
Participant                                                                          *2016*
- *Micro-Structure of Trade - Theory and Evidence*
- Taught by Klaus Adam

**Workshop on Economic Policy Challenges**                                     *Florence, Italy*
Discussant                                                                           *2016*
- *The Optimal Inflation Rate and Firm-Level Productivity Trends*
- By Klaus Adam and Henning Weber

**The Econometric Society 2016 European Winter Meeting**                        *Edinburgh, UK*
Presenting                                                                           *2016*

**Simposio de la Asociación Española de Economía**                              *Bilbao, Spain*
Presenting                                                                           *2016*

**Zurich Initiative on Computational Economics**                           *Zurich, Switzerland*
Participant                                                                          *2015*

**COEURE Workshop on Labour Markets**                                          *Brussels, Belgium*
Rapporteur                                                                           *2015*
- *EU Dual Labour Markets: Consequences and Potential Reforms*

# Skills

| | |
|---|---|
| **Research** | International Trade, Macroeconomics, Labour Economics, Computational Economics |
| **Languages** | Spanish, English, French (Basic), Italian (Basic) |
| **Programming Languages** | Python, Matlab, SQL, LaTeX, Julia, VBA |
| **Statistical Tools** | Pandas, Excel, Scikit-learn, Pyro, Dynare, Eviews, Stata |
| **Cloud Tools** | Google Cloud Platform, BigQuery |
| **Technology Tools** | Docker, Git, Sphinx, Plotly, Airflow, PyTorch |