

# PEDRO IRABURU

I am a young Econometrician, born in 1995, fanatic of programming and data analysis. Since being introduced to Python when I wrote my degree thesis, I have also learnt R, Matlab and Stata. I am currently enrolled in my second master, in the VU. After finishing, I plan to specialize in Data Science, Finances, or in a similar field.

## EDUCATION

2021  
|  
2020

### Master's Econometrics and Operations Research

Vrije Universiteit

📍 Amsterdam, The Netherlands

- The master focuses on developments in theory, methodology and application of econometric and statistical methods for the analysis of Big Data. I am currently enrolled in two specializations: Financial Econometrics, and Econometrics and Data Science.

2020  
|  
2019

### Master in Economics: Empirical Application and Policies

EHU/UPV

📍 Bilbo, Spain

- Learning of the theoretical, empirical and computational methods that economists use to understand markets and analyze data. Fully taught in English. Academic average of ~9.0/10.
- Thesis: "Social class segregation in upper-secondary school choice in Canada".. Done in R, using 2012 PISA data, and a multinomial logit model as central axis (9.5/10)

2019  
|  
2015

### Degree in Economics

University of Malaga

📍 Malaga, Spain

- Thesis: "Computable Dynamic General Equilibrium with free hardware and software", with honors, done in Python with a Raspberry Pi.
- One of the 10 best academic careers of the Economics degree 2015/2019.

2015  
|  
2013

### Coursed two years of the Double degree in Mechanical and Electrical Engineering

University of Malaga

📍 Malaga, Spain

- I had always enjoyed Mathematics and Natural Sciences, so I assumed that engineering would be a fitting a choice. From these two years I got my interest on programming, as I was taught C++, and although it was highly educational, I realized it was not the right choice for me.

2013  
|  
2011

### Bachelor of Science

Colegio Ecos

📍 Marbella, Spain

- Academic average of 9.32/10.00



📄 Download this resume in [PDF](#)  
or view online in [html](#)

## CONTACT INFO

✉ [pedro.iraburu@gmail.com](mailto:pedro.iraburu@gmail.com)  
☎ 0034 671 055 756  
☎ 0031 687 613 348  
🐙 [GitHub: @piraburu](https://github.com/piraburu)

## PROGRAMMING SKILLS

 R

 Python

 Matlab

 LaTeX

 Markdown

 Stata

Made with the R package  
[pagedown](#).

Code available on  [GitHub](#)

Last updated on 2021-01-10.



## SKILLS

### Data Science

- I have strong quantitative and computational skills, handling a wide array of tools and programming languages to do so, from R to Python, Matlab and evolutionary computing techniques. I have learnt to analyze and understand data from different fields and databases, such as labor, energy and cultural markets, PISA, EUKlems and MCVL.

### Financial Data Analysis

- A recent interest of mine, I have developed good skills handling financial data from the VU master's courses, including binomial trees, volatility measures (GARCH, GAS models), and the Black-Scholes.

### Econometrics/statistics

- I master many econometric and statistical methods, such as the GARCH and SESTAR models, regression of qualitative dependent variables, time series and panel data analysis. I have a good understanding on the theoretical and practical components of the most popular econometric methods, and how to apply them to large quantities of data to construct models.

### Social Sciences Component

- Having coursed Behavioural Economics and having studied other topics related to the social aspects of the human psyche, allows me to interpret results where there is a large human component.

### Micro and Macroeconomics knowledge

- Game theory, market analysis, DSGE models, monetary markets, growth theory... are some of the relevant fields I am profficient in, both from a theoretical and practical approach.



## LANGUAGES

### Spanish

Native

### English

Advanced level, also in academic environment

📍 Cambridge

- Cambridge English: Advanced (CAE)
- One school year in King's Bruton, Somerset.

## German

Initiate level

📍 Goethe Institut

- A2 Goethe-Zertifikat
- Two weeks deutsch course in Garmisch-Partenkirchen.



## FUTURE PROJECTS AND PLANS

### Data Science, Finance

- I want to improve my current data analysis skills, extend them to the field of Finance, and apply them in a more practical/business related approach.



## WORK EXPERIENCE

2019

### Consultant Assistant

Malaga, Spain

📍 PLAYS Consultores

- I spent three months working in PLAYS, a consultancy agency in Malaga city. I mainly did accounting and business analysis.