

# MARINA LUQUE

## BIO-DATA SCIENTIST



### Contact

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<https://github.com/maluque>

[Visual Portfolio/](#)

With over **8 years of experience** as data scientist, I have successfully delivered a wide variety of research projects, covering the entire pipeline from **Extract, Transform, Load (ETL)** processes to **Exploratory Data Analysis (EDA)**, and crafting **visually impactful dashboards**. I am a multidisciplinary biologist and **I thrive collaborating** in international and cross-functional teams. I am an agile learner, **problem solver, and a cheerful** person. During my spare time, I channel my creativity into various forms of plastic arts, including jewelry-making, sewing, and drawing.

### Tech Skills

#### Python & R programming

Pandas, NumPy, Matplotlib, Seaborn,  
Scikit-learn, Jupyter Notebook  
dplyr, ggplot2, tidyr, RMarkdown

#### API & Web scraping

SQL - PostgreSQL - MongoDB

Tableau - Power BI - MS Office

Git - Linux

### Soft Skills

Independent and Critical Thinking

Communication

Continuous Learning

Teamwork and Adaptability

Collaborative and Action-oriented

International experience

### Education

#### Data Analytics Bootcamp

IRONHACK, Madrid, 2023

#### PhD in Systems Biology

FCUL, Lisboa / 2016 - 2020

#### MSc in Biochemistry

FCUL, Lisboa / 2014 - 2016

#### BSc in Biology, Cell Biology and Genetics

UAM, Madrid / 2010 - 2013

UPV, Bilbao / 2007 - 2010

### Languages

Spanish Native

English Professional

Portuguese Proficient

Basque Intermediate

### Career in numbers

**8 years of experience in +30 bio-Data Science projects  
including ETL - EDA - Machine Learning and Visualization**

- I published **+14 Articles** in high impact scientific journals
- I presented **+10 communications** in International congresses
- I **organized** meetings and International seminars
- I **supervised** young researchers graded with honors
- **PhD Summa Cum Laude**
- Nominee for 2022 **Award of Excellence** ULisboa

### Work Experience

#### Biomedical Data Scientist

##### Zoocánica Coop., Madrid

May 2023 - August 2023

- Identify potential **funding** sources and grants
- **Coordinate & design** data analysis projects
- **Supervise** junior analysts

##### CSIC - Centro del Cáncer, Salamanca

Sept 2020 - Dec 2022

I led biomedical data analysis projects involving:

- Management of high-dimensional **databases**
- Application of Descriptive/Inferential **statistics**
- Construction of **Machine Learning** models
  - Supervised and Unsupervised algorithms -

##### BioISI - FCUL, Lisbon

Sept 2014 - Sept 2020

I led biomedical data analysis projects involving:

- Reconstruction of **knowledge-based databases**
- Application of **Network/Graph Theory** algorithms

##### CSIC - Instituto Cajal, Madrid

Sept 2012 - Sept 2013

I conducted scientific projects involving **molecular biology techniques** as PCR, Western Blot, Cell culture and Immunohistochemistry