

MARINA LUQUE

BIO-DATA SCIENTIST



Contact

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https://github.com/maluque

[Projects 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)**, constructing **Machine Learning (ML) models** and crafting **visually impactful dashboards**. 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 - Bash

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