



CLARA FERNÁNDEZ

DATA ANALYST
MSC BIOCHEMISTRY

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Sevilla, Spain

[Linkedin](#)

TECH STACK

R (tidyverse, ggplot2, purrr, Shiny)

Python

SQL (PostgreSQL)

MongoDB

Docker

Git

Bash Unix

SKILLS

Data analysis

Data visualization

Statistics

Machine learning

NGS

Clinical data

Environmental data

LANGUAGES

Spanish: Native

English: Proficient

French: Basic

CERTIFICATES

[Computational Genomics](#)

[Genomic Data Science](#)

EXPERIENCE

Data Analyst • Universal Diagnostics (Sevilla)

Feb 2025 - April 2025 • 3 m

- Built and optimized ETL pipelines to integrate clinical, wet-lab, and sequencing data from structured (SQL, APIs, MongoDB) and unstructured (PDFs, .txt) sources.

Data Analyst • Biome Makers (Remote)

Jan 2023 - Dec 2024 • 2 yrs

- Conducted end-to-end analyses of complex biological, physico-chemical, and environmental datasets. Authored over 20 client reports.
- Designed and built innovative dashboards using R and Shiny, improving client retention and generating new analysis requests.
- Developed R packages and ETL pipelines including statistical analysis for high-volume data processing.

NGS Data Analyst • Anbiolab (Bilbao)

Jun 2022 - Jan 2023 • 7 mos

- Performed NGS data analysis and reporting for over 200 samples using bioinformatics, statistics, and machine learning techniques.

Research Assistant • Inst. Gulbenkian de Ciência (Lisbon)

Mar 2022 - Jun 2022 • 3 mos | [GitHub](#)

- Applied state-of-the-art methods to analyze alternative splicing in RNA-seq and scRNA-seq data with Python.

Research Assistant • INKOA (Bilbao)

Jun 2021 - Jan 2022 • 7 mos

- Created shelf-life prediction models to minimize food waste and improve delivery logistics for fresher products.

EDUCATION

MSc Microbiology and Health • Universidad del País Vasco

2020 - 2021

BSc Biochemistry • Universidad de Sevilla

2015 - 2020