FLORINDA MELÉNDEZ RODRÍGUEZ

DATA ANALYST | MOLECULAR BIOLOGIST

INFORMATION

📍 Madrid (Spain)
📞 +34 678 12 24 83
@ fcmelrod@gmail.com

github.com/Flori-87
linkedin.com/in/florinda-melendez
portfolio

A passionate researcher, turned into a self-sufficient person during my PhD. Now I am enhancing my career towards Data Analysis using Python, SQL, APIs and I want to grow as a data analyst. Creating a good work environment through teamwork, motivation and empathy is amongst my main values.

PROFESSIONAL EXPERIENCE

August 2020 – Present

Biostatistician

Savana Médica *(Madrid, Spain)*

- **Interpretation** of needs from Protocols and SAPs
- Extraction of information from **databases**
- **Data cleaning**, wrangling and statistical analysis
- Elaboration and review of technical documents
- Interpretation and **presentation** of results

July 2019 – February 2020

Postdoctoral

Research Unit of Santa Cristina Hospital/*Health Research Institute "Princesa"* (Madrid, Spain)

- Responsible for **several project lines**
- Experimental design and data analysis
- **Teaching** activities and co-supervision of students

November 2011 – April 2019

Ph.D. student

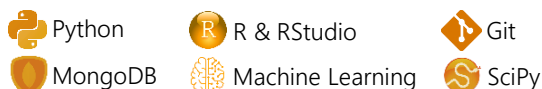Research Unit of Santa Cristina Hospital/*Autonomous University of Madrid (Spain*)

- Participation in the **EU Consortium** "EpoCan"
- **Writing** of original articles and reviews
- Award of fellowship for predoctoral contracts funded by the Ministry of Economy in Spain
- Publications

KEY SKILLS

Language

- ✓ Spanish: Native
- ✓ English: Intermediate (B2 level)

Hard skills

- 🐍 Python
- Ⓡ R & RStudio
- Git
- MongoDB
- Machine Learning
- SciPy

Soft skills

- ✓ Teamwork
- ✓ Motivation
- ✓ Initiative
- ✓ Leadership
- ✓ Hard-working

DATA ANALYSIS PROJECTS

Data cleaning
Data cleaning, wrangling and analysis techniques using **Pandas**, **Numpy** and **Matplotlib** libraries and **regex**.

Data pipelines
Pipeline generation to analyze a dataset based on parameters received through command **flags** in shell.

Geocoding
Use of **MongoDB**, **GeoJSON** points, **Folium** and **Google API** as the main tools to find the best location.

Image segmentation
Image processing through segmentation technique using Numpy, **Pillow** and **SciPy** libraries.

API development
Updating and recommendations using **NLP** of a database in MongoDB using an **API** by HTML requests.

Supervised Machine Learning (ML) for regression
Algorithms of **supervised ML** for regression in **Scikit-learn** library and **H2O** AutoML function to predict prices.

Neural Networks (NN) for classification
Image preprocessing and classification by training a convolutional **NN** to predict the tumor type using an instance on **Google Cloud** platform.

EDUCATION

May 2020
Data Analytics Bootcamp
Ironhack (Madrid, Spain)

April 2019
Ph.D. degree *(Cum laude)*
Autonomous University of Madrid (Spain)

March 2013
Experiment design and analysis of variance
Health Research Institute "Princesa" (Madrid, Spain)

June 2011
Master's in Molecular and Cellular Biology
Autonomous University of Madrid (Spain)

July 2010
Bachelor's degree in Biotechnology
Pablo de Olavide University (Sevilla, Spain)