

Sabina Firtala

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EDUCATION

Data Analytics Bootcamp

Remote | Jan 2022 - present

IRONHACK

Data Analytics: Data Wrangling & Visualization, Descriptive & Inferential Statistics, Web Scraping & APIs, BI

Machine Learning: Linear & Logistic Regression, K-Nearest Neighbors, Decision Trees, K-Means Clustering, Pipelines

MSci Natural Sciences

Cambridge, UK | Oct 2016 - Jun 2020

UNIVERSITY OF CAMBRIDGE

Courses: Climate Change and the Carbon Cycle, Organic Chemistry, Physical Chemistry, Biochemistry | **66.48%, 2.i**

TECHNICAL SKILLS

Programming: Python, Git, \LaTeX , Jupyter

Databases: [MySQL](#), Google Sheets, Airtable

Data Visualization: Google Data Studio, Tableau

Python Libraries: [Pandas](#), Numpy, Matplotlib, Seaborn, SciPy, [SciKit-Learn](#), Keras

FINANCIAL ANALYSIS EXPERIENCE

BERNOULLI FINANCE | FINANCIAL ANALYST

Tenerife, ES | Oct 2020 – present

- Coded a selection algorithm for a foundation **to find donation packages within seconds** for high-value donors
- Conceptualized, built, and automated an inventory valuation model which **improved gross margin accuracy by 4%**
- Projected expected cash flow, helping clients **secure funding (\$1.5MM)** and **invest in brokerage accounts (\$1MM)**
- **Managed at least 6 client projects at any given time**, adapting to shifting priorities and tight deadlines
- Documented and standardized recurring analytical tasks, which **reduced task completion time by 1-2h**
- **Interfaced directly with 20+ stakeholders**, including bookkeepers, analysts, project managers, clients' teams
- Managed, supervised, and **mentored 3 junior analysts and 3 contractors**
- Screened over 43 junior analyst applications, interviewed 23 candidates and graded 16 technical tests

DATA SCIENCE PROJECTS

CREDIT CARD INTEREST PREDICTIVE MODEL

SCIKIT-LEARN, MYSQL, SQLALCHEMY, TABLEAU

- Evaluated two classification models, yielding a maximum prediction accuracy of 67% per class
- Unravelled and noted patterns in data using [Tableau](#) for potential stakeholders
- Presented the findings during the class and proposed alternatives to improve the predictive power of the model

FIFA MONEYBALL SCORE PREDICTIVE MODEL

PANDAS, NUMPY, MATPLOTLIB, SEABORN, SCIKIT-LEARN

- Built a linear regression model for the overall score of FIFA players with a fellow classmate in a week
- Automated data cleaning, pre-processing and feature selection to simplify the process
- Conceived and presented the project, **engaging 33% of the other students in the conversation**

ASOBAL HACKATHON CASE STUDY

FIGMA, GOOGLE SHEETS

- Collaborated with 2 UX/UI designers on developing a mobile-app for the ASOBAL handball league
- Developed a business plan showcasing **how the app would drive a 350% revenue increase after 5 years**
- Communicated entirely in Spanish and **delivered a case study and MVP in under 36 hours**

LANGUAGES

English (bilingual), Romanian (native), Spanish (professional)