Hugo Campos Veríssimo

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Master's student in Data Science, 21 years old, with a strong interest in breaking down complex problems and solving analytical challenges. With a background in applied mathematics, statistics, programming, and macroeconomics, I am highly adaptable and seek to apply and expand my knowledge in dynamic environments, focusing on innovation and continuous learning.

Education

Universidade de Aveiro, MSc in Data Science — 09/2024 – Present
- **Current GPA:** 18/20

Universidade do Algarve, BSc in Mathematics Applied to Economics and Management — 09/2021 – 06/2024
- **GPA:** 17/20

Experience

Member of the Mathematics Club, Universidade do Algarve — 02/2024 – 06/2024
- Conducted Python sessions for faculty and students as part of a digital knowledge exchange project.
- Developed advanced skills in programming and technical communication, covering topics such as DataFrame manipulation and the creation of static and interactive visualizations.
- The project was presented at CNaPPES.24 as an oral presentation.

Collaborator in School Planning, EBS Armando Côrtes-Rodrigues — 2021, 2022, 2023
- Collaborated in the annual creation of schedules for over 70 classes and 180 teachers, including room allocation based on the needs of each subject.
- Used Excel to analyze scheduling combinations and preferences from the executive board, finding the best service distribution solution.

Volunteer, Lions Clube de Vila Franca do Campo — 2017 – 2021
- Organized data for 50+ candidates and supported the logistical coordination of the international Youth Camps and Exchange program, where I collaborated with 75+ participants from various countries.
- Regularly participated in social campaigns, such as blood drives and charity events.

Projects

Fatigue Classification in Swimmers - Python — github.com/Hugoverissimo21/SwimML-FatigueMonitor
- Developed and optimized Machine Learning models to assess fatigue in swimmers, applying validation techniques and performance metrics to improve accuracy, contributing to injury prevention.

Media Analysis of PSI-20 Companies - Python — github.com/Hugoverissimo21/InfoMosaic-sandbox
- Analyzed the media coverage of PSI-20 companies using Machine Learning and data visualization.
- Performed news extraction, sentiment analysis, and entity recognition, creating interactive visualizations and a web application in Flask.

Recommendation Systems - Python — github.com/Hugoverissimo21/MLDriven-CollabFilter
- Implemented and evaluated recommendation systems (Linear Regression and FunkSVD) using the MovieLens dataset.
- Compared the models' performances with benchmarks and literature references.

Technical Skills

Languages: Portuguese (native), English (B2)

Analysis Software: Excel, SPSS, EViews

Programming Languages: Python (numpy, pandas, matplotlib, seaborn, plotly, sklearn, tensorflow, nltk, pyspark), R (dplyr, fpp2, forecast, ggplot2, ClustOfVar, PCAmixdata), MATLAB