Ana Pedro Caleiro

[in] **LinkedIn** | ☎ +351 968 747 708 | ✉ anacaleiro27@gmail.com | ○ **GitHub**

Skills

- **Programming Languages**: Pyhton, R, SQL
- **Machine learning**: Pyhton (eg. Scikit-Learn, Keras (TensorFlow), Numpy, Pandas, Matplotib, Seaborn, Streamlit, Plotly)
- **Data Science & Miscellaneous Technologies:** Data Science Pipeline (cleansing, wrangling, visualization, modeling, interpretation), Statistics, Hypothesis testing, Time Series Data, Excel (eg. Crystal Ball, Monte Carlo Simulation), Git, Power BI
- **Other Skills:** Financial/Investments Analysis & Modeling | **Portuguese, English**– All professional proficiency or above

Education

Master in Data Science and Advanced Analytics	**NOVA IMS – Information Management School**	*Lisbon, Portugal*	**09/2024 – ON**

- **Relevant Course Work:** Machine Learning, Data Mining, Statistics, Deep Learning, Business Intelligence, Storing and Retrieving Data.
- Best Master program in Data Analytics in the Western Europe by *Eduniversal*.

Bachelor in Corporate Finance	**ISCAL - Lisbon Accounting and Business School**	*Lisbon, Portugal*	**09/2021 - 07/2024**

- **Relevant Course Work:** Financial Modelling | Real investment analysis and evaluation | Corporate Assessment and Restructuring.

Projects

Customer Segmentation Analysis (2024)

- Implemented **unsupervised machine learning techniques** for practical clustering applications, including K-means and Self-Organizing Maps; profiled over 30 000 records in a large dataset using Python to derive actionable insights.
- Executed **end-to-end data science pipeline**, from preprocessing to clustering and evaluation.
- Developed insights through visualization and produced a comprehensive report detailing customer clusters and their characteristics.
- Designed an interactive Dashboard with cluster insights using Streamlit.

Predictive Analytics for Injury Claim Classification (2024)

- Built a **multiclass classification** model to predict claim injury types (7 classes) using **supervised learning** on 593K+ records (New York WCB dataset).
- Evaluated **multiple machine algorithms** and implemented Stratified Cross-Validation and Grid Search between other techniques, wich originated in a **F1 macro score of 47%** and a precision of 55%.
- Created an **interactive analytics interface** for real-time claim classification predictions using Streamlit.

Business Finance & Investment Strategy (2023)

- Planned an integrated business strategy with financial planning, investment analysis, and risk assessment. Conducted market and company evaluations, used Monte Carlo simulation, and prepared management reports and forecasts based on 3 years of historical data.
- Utilized the real consolidated financial statements of Toyota Portugal to elaborate the analysis.

On going

- Currently working on projects in Deep Learning, Business Intelligence and Time Series Forecasting.

Experience

Junior Audit	**Antunes Rodrigues e Célia Custódio SROC**	*Lisbon, Portugal*	**02/2023 - 07/2023**

- Managed and analyzed **high-volume financial datasets** from government companies, ensuring data accuracy and consistency.
- Resolved financial discrepancies through client collaboration, investigation, and corrective actions, improving data integrity.

Waitress	**Haitatsu Sushi**	*Moita, Portugal*	**07/2022 - 08/2022**

- Gained the ability to adapt to high-pressure environments and effectively managed client interactions to resolve issues professionally.

Others

- **EY NextGen Women 2023:** Selected as one of **8 finalists** for the EY Strategy and Transactions NextGen Women program **(09/2023)**
- **Erasmus +:** Participated in two separate **Erasmus programs**, each lasting **9 days** in Bulgaria and Croatia **(02/2021 & 08/2022)**
- **Volunteered** at *Refood*, assisting with food preparation, delivery, and space cleaning. **(10/2020 & 12/2021)**