

Capstone Project: Album Financiero – Executive Summary

Overview

The Album Financiero is a Power BI-based interactive solution designed to track, analyze, and optimize personal financial activity across a 10-year period. The project transforms a raw Excel file into a scalable and insightful data source.

Objective

To build a data-driven tool that:

- Answers five key financial questions around budgeting, spending, credit card payments, savings, investments and financial sustainability.
- Centralizes all financial history into a clean, normalized format.
- Enables monthly and yearly tracking through a dynamic report.

Main Components

- Data Cleaning & Transformation: Consolidated and standardized 10+ years of personal financial data from multiple Excel tabs.
- Power BI Visuals: Custom visualizations for budgets, spending trends, credit payments, investment tracking, and travel costs.
- Normalized Tables: Redesigned the data model with clean dimension tables
- Dynamic Filtering: Users can explore data by month, location, category, or financial goal.

Key Financial Questions Answered:

- How much money do I have in my payment methods and in my credits?
- How much do I have budgeted in the month? How much remains to be spent?
- What day is my final credit card payment due and how much should I pay? Have I arranged the money to pay the debt on time?
- Where and during which trip did I spend the money? How much did I spend per place?
- How much money do I currently have in my savings accounts? How have my investments changed over time? How many months can I sustain my current lifestyle based on my average monthly budget and my available savings?

Public Files

- Excel File: album_financiero_publico.xlsx (anonymized and scaled data)
- Power BI File: album_financiero_publico.pbix (final report based in the Excel file.)
- Documentation: Full report and summary in English and Spanish.

Tools Used

- Microsoft Excel (ETL base)
- Power BI (data modeling + visualization)
- DAX Measures
- Power Query