

ESG Scoring Project

Python - Dataiku - Power BI

APBI Portfolio – End-to-end Pipeline (basic version)

Demonstration of my ability to structure, prepare and deliver a complete Dataiku flow.

End-to-end ESG scoring workflow

Synthetic dataset

Python (EDA) => Dataiku (recipes & scoring) => Power BI (dashboard)

Objective : show my skills for a complete Dataiku project

Project done independently after our call.

Python (EDA)

Understanding the dataset

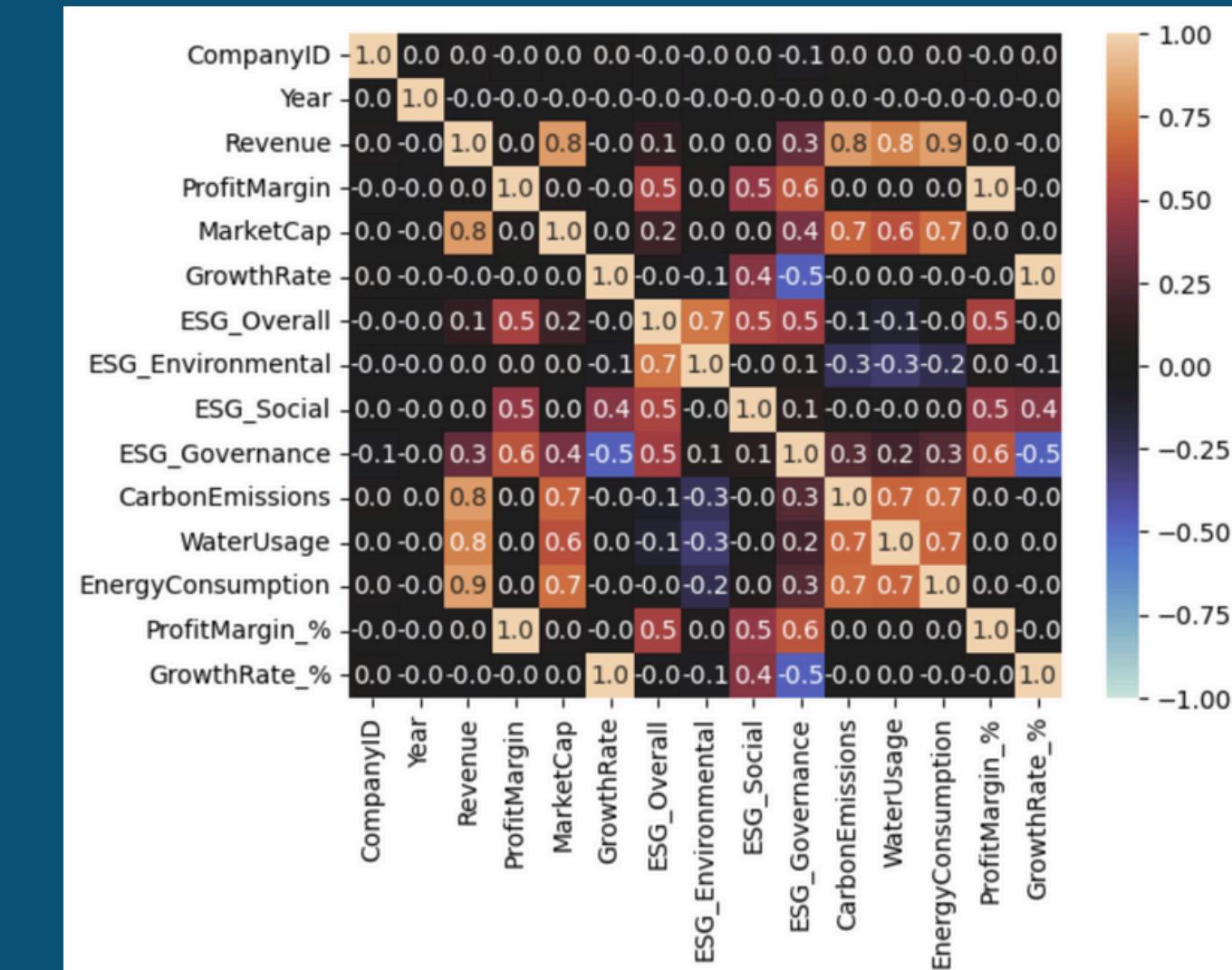
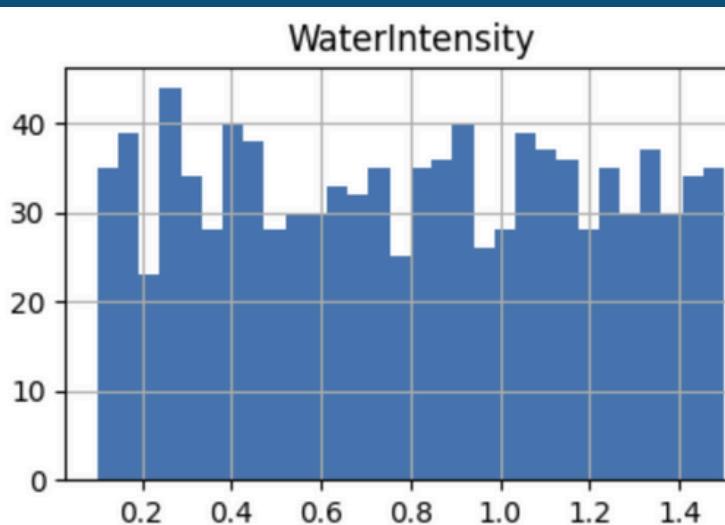
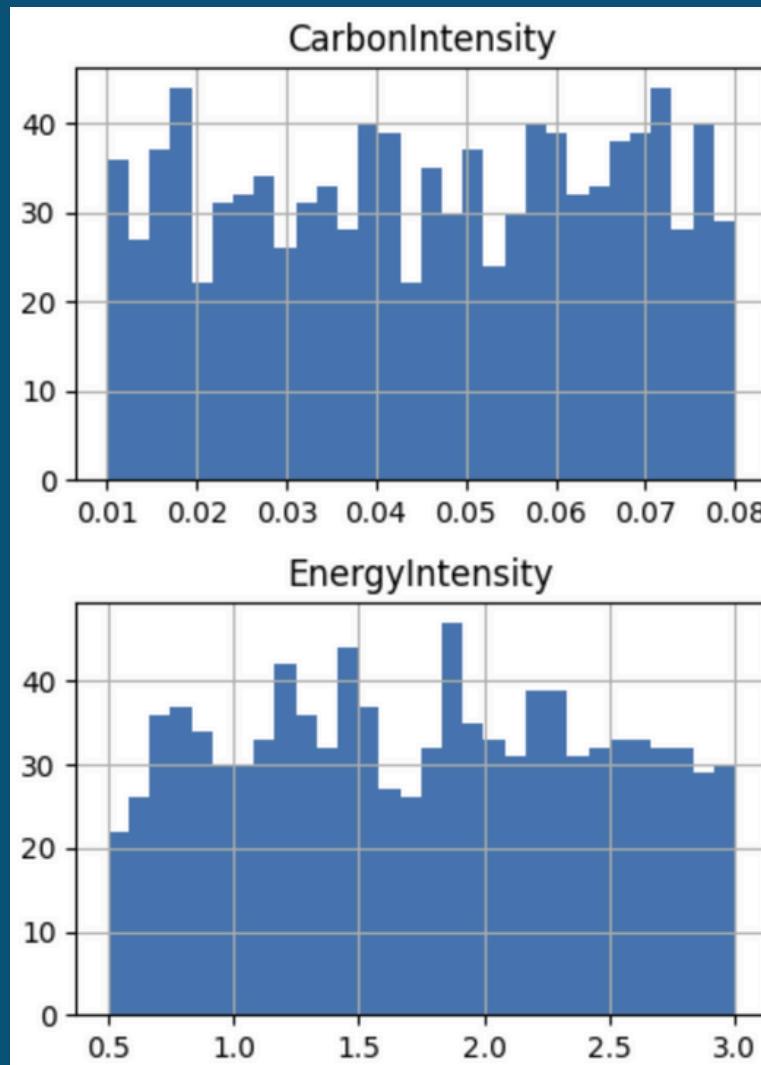
Loading, inspection and Dataset cleaning

Distribution analysis : Revenue, Python (EDA) => Dataiku (recipes & scoring) => Power BI (dashboard)

Indicators computing : CarbonIntensity, WaterIntensity, EnergyIntensity

Financial correlation Heatmap – ESG

Dataset validation for Dataiku ingestion



Dataiku DSS

ESG scoring and preparation

Structured flow with datasets, recipes and documented steps.



Dataiku Flow	Transformations
ESG_raw => dataset	Intensity computing (CO2, water, Energy / M€)
Recipe compute_esg_prepared (prepare recipe)	Min -Max normalization (0 - 1)
Recipe compute esg_scored_final	Reversed Environmental impacts
esg_scored_final => export to Power BI	Scores: E, S G, Global

Final Dataset Ready for BI & Analytics

Structured, cleaned and documented dataset.

Key columns :

- Environmental intensities
- E/ S/ G scores
- ESG global score
- Revenue, MarketCap, ProfitMargin

Exporting to Power BI for visual analysis.

Dataiku skills demonstrated:

Prepare Recipes, column engineering, normalization, scoring logic, flow documentation, dataset management

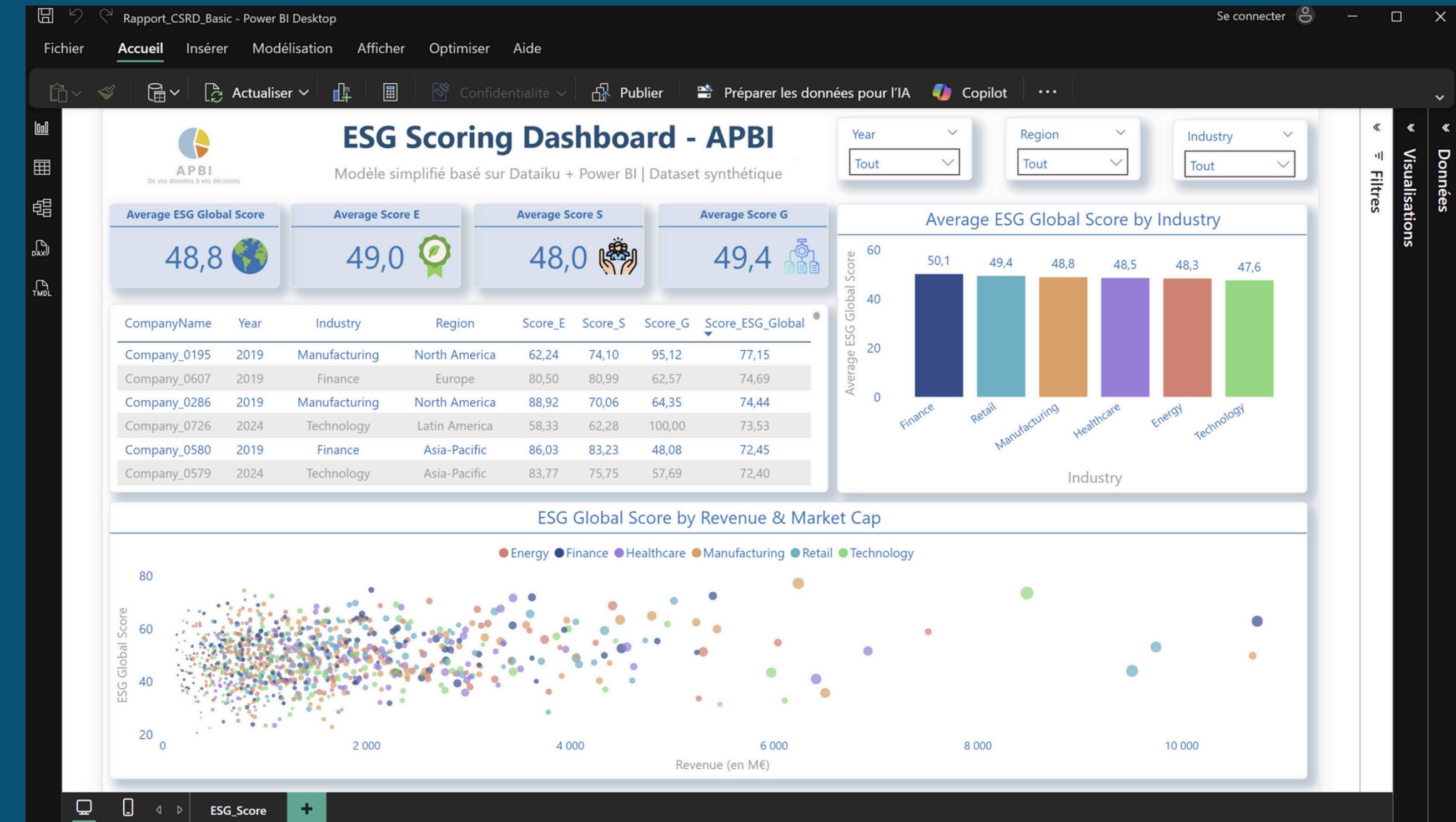
Power BI Dashboard - Executive view

KPIs : E/ S/ G/ Global scores
Ranking table

Sector analysis : ESG Global Score by Industry

ScatterPlot : Revenue x ESG_Score x MarketCap colored by Industry

Slicers : Year, Region, Industry



This confirms the end-to-end pipeline from raw data to business-ready insights