ISEG - Lisbon School of Economics and Management
Universidade de Lisboa

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Exercise PBI - 2

1. The database finance02 has the following tables:
    I. Sales
    II. Product
    III. Country
    IV. Segment
    V. Discount
2. Open PowerBI and Get Data, selecting the appropriate option
3. Verify if the Data is OK and then load the data
4. Select each column and verify the data type and format in the modeling option.
    I. Use data category Country/region in the adequate field
    II. Format values using currency format and select euro.
5. Create a column for Total Sales (ignoring discounts)
6. Create two pages including the following visualizations:
    I. Total Sales Units per product, Total Sales per product, Geographic distribution of Total Sales Units, Filter by Product
    II. Evolution of sales and quantities, Sales and quantity over time for each product, KPI for quantity, Gauge for Quantity.
7. Create new columns in the table Sales:
    I. Unit Cost
    II. Total Cost
    III. Discount rate
    IV. Total Sales
    V. Profit
8. In the report, create the most appropriate charts.
    I. Sales by product
    II. Profit by product
    III. Product sales by each country
    IV. Profit across total sales and total costs
    V. KPI Profit/time