# 2019/2020

# 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 data is OK and then load data
4. Select each column and verify data type and format in modelling option.
   - I.    Use data category Country/region in the adequate field
   - II.   Format values, using Currency format and selecting 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 Unit, 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