

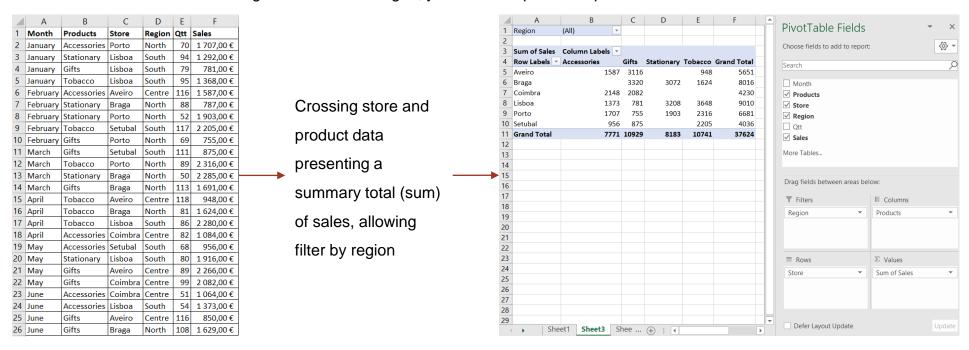


## **CONTENT**

- 1. Pivot table
  - 1. How to
  - 2. Areas of the pivot table
  - 3. Configuring pivot tables
- 2. Pivot chart
- 3. Slicers

### Pivot table

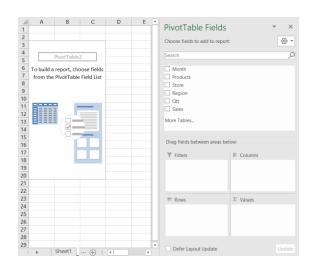
- A pivot table is an interactive table that automatically crosses the information of several fields of a data table and presents summaries or maths/statistical operations.
- Its structure can easily be changed through the insertions, rotation or reconfiguration of the fields used in its rows or columns, allowing the observation of different results and information
- Note: if the data of the original table are changed, you need to update the pivot table

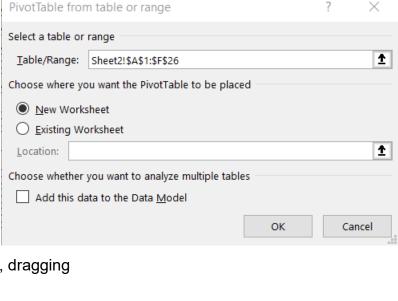




#### How to

- 1. Select original table
- 2. Tab "Insert" > Group "Tables" > Command "Pivot Table"
- 3. Fill the dialog "PivotTable from Table or Range", considering:
  - Choose data
    - Table/Range: original table
  - Choose where you want PivotTable to be placed:
    - New Worksheet
    - Existing Worksheet
- 4. Configure the PivotTable by selecting in the dialog "PivotTable Fields", dragging from "Choose fields to add to report" to the areas below







### Pivot table areas

**Filters**: allow identifying a field of the original table that can be used to filter the pivot table. Useful when thre is a relation between at least two columns in the original table (e.g. store, region)

**Rows**: identify the fields on the original table that contain the values to be presented on the pivot table's rows. When several are chosen, the first is displayed only once ant the remain are repeated



**Columns**: identify the fields in the original table that contain the values to be presented on the pivot table's columns. When several are chosen, the first is displayed only once ant the remain are repeated

**Values**: identify the fields of the original table that contain the values to be summarised through a certain mathematical/statistical operation. The summaries are obtained according to the crossing of the data of the rows and columns



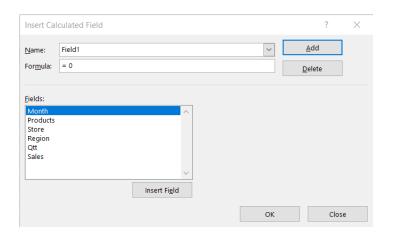
## **Configuring pivot tables**

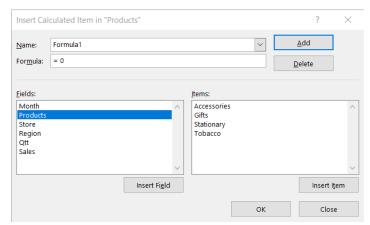
- Change the fields of the pivot table areas:
  - Insert a field: drag it from the list above
  - Remove a field: unselect the field on the list above
  - Change a field's position: drag it to the desired box
- Applying filters
  - Add: click on the selection field of the desired label. Select:
    - Label filters: applied directly to the values of the label's items. Several criteria can be applied
    - Value filters: applied over the values ov the values area according to the selected label. Several criteria can be applied
    - · List of values: select from the list
  - Remove: select the label's selection field. On the list select "Clear filter from (nameofthefield)"
- Changing the summary functions in the Values area:
  - Click on the field to change
  - Choose "Value Field Settings..."
  - Choose the function



# **Configuring pivot tables**

- Creating calculated **fields and items**: field that results from the application of an expression/formula that uses at least one of the original table's fields
  - Select any cell of the pivot table
  - (Contextual) tab "PivotTable Analyse" > Group "Calculations" > Command "Fields, Items & Sets" > Calculated Field /
    Calculated Item
  - Define the name
  - Define the formula
  - Click Add
  - Click OK







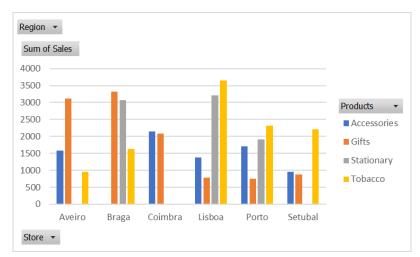
## **Configuring pivot tables**

- Grouping items: allow combining a set of related items in a group.
  - · Manual grouping:
    - Select the cells with the item lables to group
    - (Contextual) tab "PivotTable Analyse" > Group "Group" > "Group selection"
  - Automatic grouping (numerical fields / date / time)
    - Select one of the label's items
    - (Contextual) tab "PivotTable Analyse" > Group "Group" > "Group field"
- · Totals and subtotals
  - · Grand totals
    - Select a cell on the pivot table
    - (Contextual) tab "Design" > Group "Layout" > Command "Grand Totals" > choose
  - Subtotals
    - · Select a cell on the pivot table
    - (Contextual) tab "Design" > Group "Layout" > Command "Subtotals" > choose

## **Pivot charts**

#### From a data table

- · Select the original data table
- Tab "Insert" > Group "Charts" > Command "PivotChart" > "PivotChart"
- · Configure as a pivot table
- From a pivot table:
  - · Select a cell on the pivot table
  - (Contextual) tab "PivotTable Analyse" > Group "Tools" > Command "PivotChart"



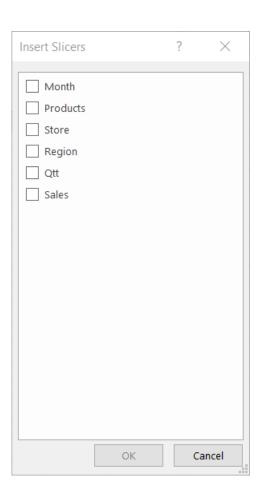
## **Slicers**

#### Create

- · Select a cell on the pivot table
- (Contextual) tab "PivotTable Analyse" > Group "Filter" > Command "Insert Slicer"
- Select the elements to insert the slicers
- Ok

#### Share

- · Select the slicer to be shared
- (Contextual) tab "Slicer" > Group "Slicer" > Command "Report Connections"
- Choose the table to share the slicer with







Do conhecimento à prática.