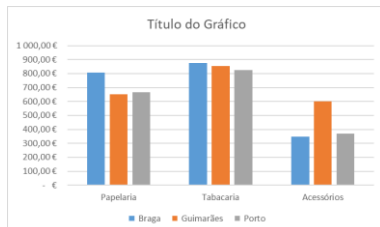# **Excel Examples:** Charts

1. Consider the sheet **[13-G.xlsx | Exmp01]** with data on product sales

    1.1. With the information on the table, draw a column chart
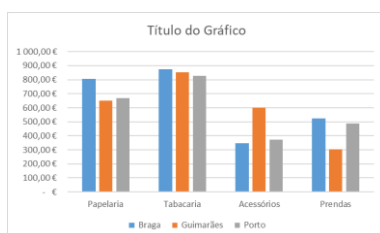

    1.2. Change the chart so that the stores ("lojas") are now the chart's series and the products ("produtos") are the categories
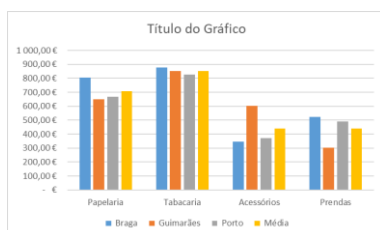

    1.3. Add a new category to the chart, called "Prendas" based on the following data:

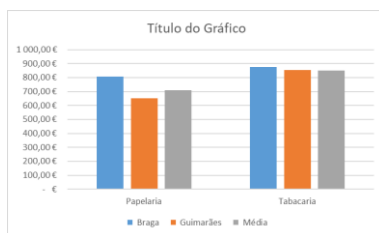 | Produto | Braga | Guimarães | Porto |
    |---------|--------|-----------|---------|
    | Prendas | 524,00€ | 304.00€ | 489.00€ |

    1.4. Add a new series to the chart with the average sales by type of product in the stores.
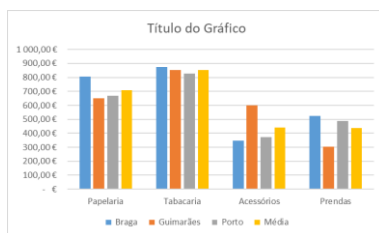
1.5. Delete from the chart the data referring to Porto's store, without deleting the data from the original table
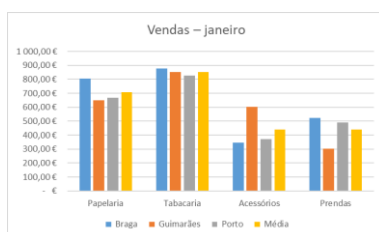

1.6. Delete the category "Acessórios" from the chart without removing the data from the original table.

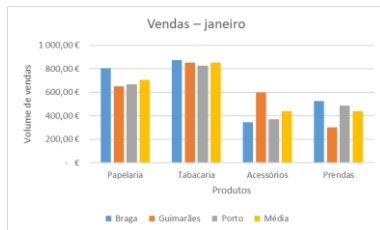1.7. Reset the chart with the series and category deleted.

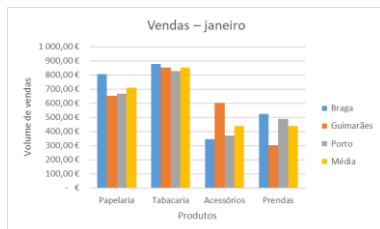1.8. Insert the title "Vendas – janeiro"
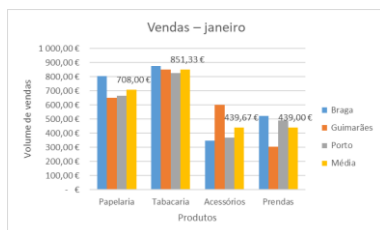
1.9. Add to the chart the following axis titles:

- Vertical axis text: "Volume de vendas"

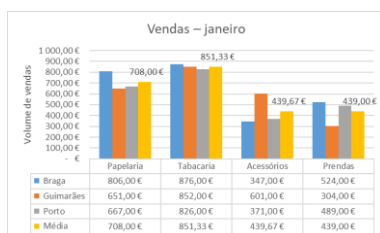- Horizontal axis text "Produtos" below the axis

1.10. Change the legend position to the right

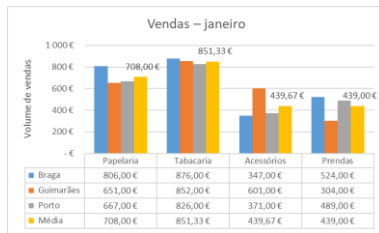1.11. Insert labels only on the average series

1.12. Delete the legend and horizontal title axis and add a data table with legend marks

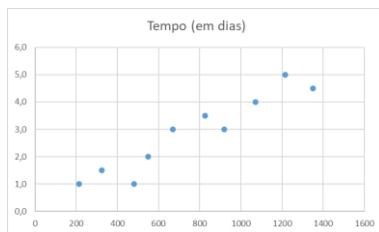1.13. Customise the vertical axis "Volume de Vendas" according to:

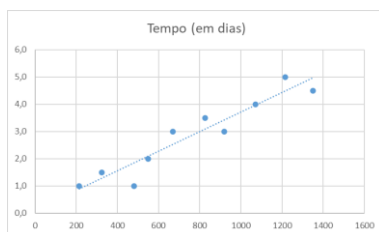- Major units: 200

- Display units: none

1.14.   Change the chart location to a new sheet named "Janeiro"

2. Consider the sheet **[13-G.xlsx | Exmp02]** with data regarding freight transportations (distances and time in days)
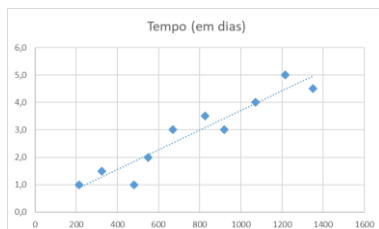
2.1. Insert a scatter chart based on the distances and time spent

2.2. Insert a trendline (linear)

2.3. Change the data series mark (size 8)

3. Consider the sheet **[13-G.xlsx | Exmp03]** with trimestral evolution of oil prices

3.1. Insert four column Sparklines for the data in rows 3 to 6

3.2. Change the type of the Sparklines on "Val USD" and "Val EUR" to line

3.3. On the Sparklines of "Cotação USD" and "Cotação EUR" add the markers for the maximum and minimum

3.4. On the Sparklines of "Val USD" and "Val EUR" add all the markers

3.5. On the Sparklines of "Val. USD" and "Val. EUR" add the horizontal axis