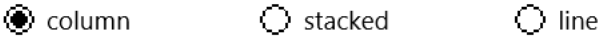
File 20_charts.xlsx
We will create a macro that will change the chart type by clicking on the switches. There will be three toggles for bar, stacked and line charts.



You will need to create three macros that will allow you to change the chart type.

1. Open file 20_charts.xlsx.
2. Click anywhere outside the chart to start recording the macro. Name the macro stacked. Click on the chart frame and right-click and select Change Chart Type.
3. Choose stacked type chart and press OK.
4. Click somewhere outside the chart, e.g. to cell A2 (if we were to stay on the chart, an error could occur when starting, and it also works better as the end of the macro).
5. Stop macro record.
6. Repeat the recording for two more macros with the names line and column. The steps are the same.
7. Insert three Option Buttons from the Controls group. Rewrite the texts as columna folded and line format. Assign the created macro to each.

The macros should look like this:

```
Sub stacked()
'
' stacked Makro
'

'
    ActiveSheet.ChartObjects("Graf 1").Activate
    ActiveChart.ChartType = xlColumnStacked
    Range("A2").Select
End Sub
```

```
Sub line()
'
' line Makro
'

'
    ActiveSheet.ChartObjects("Graf 1").Activate
    ActiveChart.ChartType = xlLine
    Range("A2").Select
End Sub
```

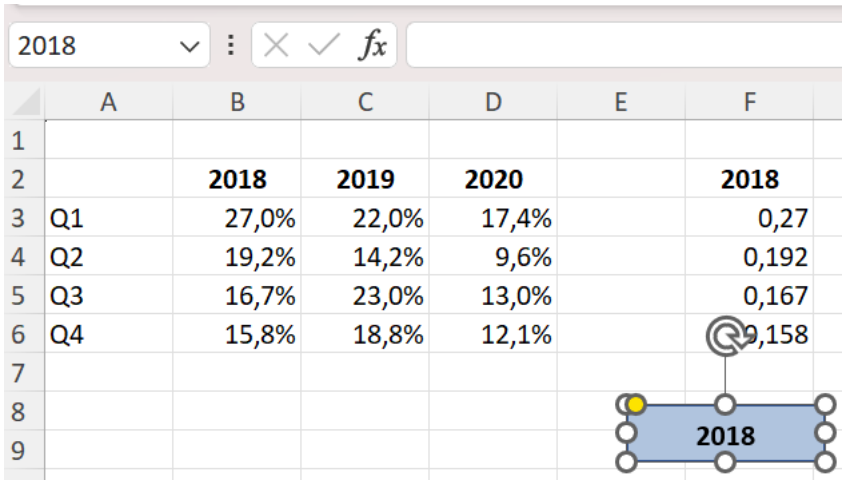
```
Sub column()
'
' column Makro
'

'
    ActiveSheet.ChartObjects("Graf 1").Activate
    ActiveChart.ChartType = xlColumnClustered
    Range("A2").Select
End Sub
```

Save file with the xlsm extension.

File 21_charts2.xlsx
In this file, in the created chart, we will highlight the data on the axis of the line chart and also display the numbers in percentage format.

1. We insert three rectangular shapes and insert the text first 2018, then 2019 and 2020 into them.
2. In column F, an auxiliary formula is created for choosing a specific axis. We will select the area F3:F6. Let's copy – CTRL +C.
3. We click on the chart and press CTRL+V - the previous line will be overlaid.
4. We click on the inserted axis with the right button and select Format data series.
5. In the option to format the line, we select the No line option, in the Marker Options section, we give the Built-in option - choose any option. For example, give the size 15. In the Fill section, select No fill. In the Border section, change the color to, for example, red, change the width to 1.25 points, and change the line type to dash.
6. In the chart, click on some marker on the line you were editing and click on the green plus sign next to the chart to select the Data Labels option and we will change the format to percentages.
7. Click on the first shape with the year 2018 and rename it to 2018 - you do the renaming in the part where the address of the active cell is.



8. Rename the remaining two shapes as 2019 and 2020.
9. Click the Developer tab and activate Visual Basic. Insert the module via Insert – Module. The code contains commands to change the year and change the colors of the shapes - active and inactive.

```
Sub SelectYear2018()
Range("F2").Value = 2018
ActiveSheet.Shapes("2018").Fill.ForeColor.RGB = RGB(176, 196, 222)
ActiveSheet.Shapes("2019").Fill.ForeColor.RGB = RGB(255, 255, 255)
ActiveSheet.Shapes("2020").Fill.ForeColor.RGB = RGB(255, 255, 255)
End Sub
Sub SelectYear2019()
Range("F2").Value = 2019
ActiveSheet.Shapes("2018").Fill.ForeColor.RGB = RGB(255, 255, 255)
ActiveSheet.Shapes("2019").Fill.ForeColor.RGB = RGB(176, 196, 222)
ActiveSheet.Shapes("2020").Fill.ForeColor.RGB = RGB(255, 255, 255)
```

```
End Sub
Sub SelectYear2020()
Range("F2").Value = 2020
ActiveSheet.Shapes("2018").Fill.ForeColor.RGB = RGB(255, 255, 255)
ActiveSheet.Shapes("2019").Fill.ForeColor.RGB = RGB(255, 255, 255)
ActiveSheet.Shapes("2020").Fill.ForeColor.RGB = RGB(176, 196, 222)
End Sub
```

10. We assign individual macros to the shapes. Save the file with the extension xlsm.