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|  | **PowerPoint Elements** | **Officer/flextable function** |
| **General** | Create pptx  Add Slides  Edit (Add elements)  Remove  Move  Save | **read\_pptx**() // empty or read in a template  **add\_slide**()  ph\_with()  remove\_slide()  **move\_slide**(my\_pres, index = 1, to = 3)  **print**(my\_pres, target = "first\_example.pptx") |
| **Layout** | Summary elements  Free\_location  Layout | **layout\_summary**(my\_pres)  ph\_location (left, top, width, height, rotation, bg)  **add\_slide**(mypres, layout = "Two Content") |
| **Text** | Size/Font /Color  Effect (bold, italic) | fpar (ftext ("Hello world", fp\_text(color = "white", font.size = 40,font = ‘Calibri’, bold = TRUE, shading.Color = "yellow"))) |
| **Table**  **(flextable)** | Create table  Add Header /  Footer  Column Width  Row height  Background color  Edit  Format  LayOut  Border line size  Border line color  Remove border  Heatmap | ft <- flextable([head](https://rdrr.io/r/utils/head.html)(airquality))  add\_header\_row(ft, values = [c](https://rdrr.io/r/base/c.html)("air quality", "time"), colwidths = [c](https://rdrr.io/r/base/c.html)(4, 2))  ft <- ft %>% width (j = c (1,3), width = 0.3)  ft <- ft %>% height ( i = c (1,3,4), height = 0.5)  ft <- ft %>% bg (i = c(1,3,4), j = c(2,3,5), color = c(‘red’))  compose(as\_paragraph(value = c(as\_image())))  colformat\_double(); prefix(); suffix();  ft <- ft %>% set\_formater( col\_1 = function(x) sprintf( "%.1f%%", x\*100 ))  ft <- set\_table\_properties(ft, layout = "autofit", width = .8)  set\_flextable\_defaults(  font.size = 10, font.family = "Helvetica",  font.color = "#333333",  table.layout = "fixed",  border.color = "gray",)  flextable(dat)  ft <- border\_remove(x = ft)  bg(bg = scales::col\_numeric(palette = "viridis", domain = c(0, 1))) |
| **Chart**  **(Bar, Stack Bar, Line Chart, Area, scatter)** | Chart Type  Color  Axis  BarWidth  Background Color | ms\_barchart()/ ms\_linechart()/ ms\_scatterchart()/ ms\_areachart()  **chart\_data\_fill**(my\_barchart,  values = c(serie1 = "#003C63", serie2 = "#ED1F24")  **chart\_ax\_x**(my\_barchart, cross\_between = 'between',  major\_tick\_mark = "in", minor\_tick\_mark = "none")  **my\_barchart** <- chart\_settings(my\_barchart, grouping = "stacked", gap\_width = 50, overlap = 100 )  mschart\_theme() |
| **Image** | Size/Location | **ph\_with**(x = doc, **external\_img**(img.file), |
| **Resource**   1. [officeverse (ardata-fr.github.io)](https://ardata-fr.github.io/officeverse/) 2. [Manipulation of Microsoft Word and PowerPoint Documents • officer (davidgohel.github.io)](https://davidgohel.github.io/officer/) 3. [Using the flextable R package (ardata-fr.github.io)](https://ardata-fr.github.io/flextable-book/index.html) 4. [Chapter 10 Charts with mschart | officeverse (ardata-fr.github.io)](https://ardata-fr.github.io/officeverse/charts-with-mschart.html) | | |