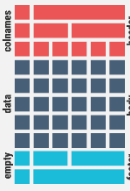


OFFICER: PowerPoint Report Automation

	PowerPoint Elements	Officer/flextable function
General	Create pptx Add Slides Edit (Add elements) Remove Move Save	<code>read_pptx()</code> // empty or read in a template <code>add_slide()</code> <code>ph_with()</code> <code>remove_slide()</code> <code>move_slide(my_pres, index = 1, to = 3)</code> <code>print(my_pres, target = "first_example.pptx")</code>
Layout	Summary elements Free_location Layout	<code>layout_summary(my_pres)</code> <code>ph_location(left, top, width, height, rotation, bg)</code> <code>add_slide(mypres, layout = "Two Content")</code>
Text	Size/Font /Color Effect (bold, italic)	<code>fpar (ftext ("Hello world", fp_text(color = "white", font.size = 40,font = 'Calibri', bold = TRUE, shading.Color = "yellow")))</code>
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	<code>ft <- flextable(head(airquality))</code> <code>add_header_row(ft, values = c("air quality", "time"), colwidths = c(4, 2))</code> <code>ft <- ft %>% width (j = c(1,3), width = 0.3)</code> <code>ft <- ft %>% height (i = c(1,3,4), height = 0.5)</code> <code>ft <- ft %>% bg (i = c(1,3,4), j = c(2,3,5), color = c('red'))</code> <code>compose(as_paragraph(value = c(as_image())))</code> <code>colformat_double(); prefix(); suffix();</code> <code>ft <- ft %>% set_formatter(col_1 = function(x) sprintf("%.1f%%", x*100))</code> <code>ft <- set_table_properties(ft, layout = "autofit", width = .8)</code> <code>set_flextable_defaults(</code> <code>font.size = 10, font.family = "Helvetica",</code> <code>font.color = "#333333",</code> <code>table.layout = "fixed",</code> <code>border.color = "gray",)</code> <code>flextable(dat)</code> <code>ft <- border_remove(x = ft)</code> <code>bg(bg = scales::col_numeric(palette = "viridis", domain = c(0, 1)))</code>
Chart (Bar, Stack Bar, Line Chart, Area, scatter)	Chart Type Color Axis BarWidth Background Color	<code>ms_barchart()/ ms_linechart()/ ms_scatterchart()/ ms_areachart()</code> <code>chart_data_fill(my_barchart,</code> <code>values = c(serie1 = "#003C63", serie2 = "#ED1F24")</code> <code>chart_ax_x(my_barchart, cross_between = 'between',</code> <code>major_tick_mark = "in", minor_tick_mark = "none")</code> <code>my_barchart <- chart_settings(my_barchart, grouping = "stacked",</code> <code>gap_width = 50, overlap = 100)</code> <code>mschart_theme()</code>
Image	Size/Location	<code>ph_with(x = doc, external_img(img.file),</code>
Resource <ol style="list-style-type: none"> 1. officeverse (ardata-fr.github.io) 2. Manipulation of Microsoft Word and PowerPoint Documents • officer (davidgohel.github.io) 3. Using the flextable R package (ardata-fr.github.io) 4. Chapter 10 Charts with mschart officeverse (ardata-fr.github.io) 		