Style text with officedown

David Gohel - Tiny adaptation by Dries Reynders

# Prerequisites

This is a *sample* book written with R package **bookdown** and R package **officedown**.

The **officedown** package can be installed from CRAN or Github:

install.packages("officedown")  
# remotes::install\_github("davidgohel/officedown")

# How this document was built

This document is based on the example by OfficeDown-author David Gohel. The original example can be viewed by running following code:

dir <- system.file(package = "officedown", "examples", "bookdown")  
file.copy(dir, getwd(), recursive = TRUE, overwrite = TRUE)  
rmarkdown::render\_site("bookdown")  
browseURL("bookdown/\_book/bookdown.docx")

Doing so, lets you view the final word-document, but also creates a folder bookdown that contains several interesting files. My (= DR) only contribution to this document is to combine the relevant parts into one rmd-document. These relevant parts are:

* index.rmd
* 01-intro.rmd
* …
* 05-plots.rmd

All were just copy-pasted.

The yaml-header was built using the info in \_output.yml and template.docx was copied to the same folder as this final document.

Finally, I want to refer to the [vignette by the package’s author](https://ardata-fr.github.io/officeverse/index.html).

# Introduction

ft\_link <- fp\_text(font.size = 9, italic = TRUE, color = "#C32900", font.family = "Cambria")

The purpose of this bookdown is to test the functionality of the officedown package. It contains texts of no interest but illustrates most of the functions of the package.

## List demo

* This is a linked reference to Chapter .
* This is a linked reference to Chapter .
* This is a linked reference to Chapter .
* Figures and tables can have auto-numbered captions that can also be cross referenced:
  + This is a linked reference to a figure: , its number is computed by Word and it’s linked to the corresponding graphic when clicking on it.
  + This is a linked reference to a table: , its number is computed by Word and it’s linked to the corresponding table when clicking on it.

1. An item
2. An item
   1. An item
      1. An item
      2. An item
   2. An item
3. An item

# Tables of content

## Table of figures

## Table of tables

You can use officer code :

block\_toc(style = "Table Caption")

## Table of content

# Tables

This is famous mtcars dataset:

head(dat, n = 10)

**Table** **:** mtcars

| car | mpg | cyl | disp | hp | drat | wt | qsec | vs | am | gear | carb |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Mazda RX4 | 21.0 | 6 | 160.0 | 110 | 3.90 | 2.620 | 16.46 | 0 | 1 | 4 | 4 |
| Mazda RX4 Wag | 21.0 | 6 | 160.0 | 110 | 3.90 | 2.875 | 17.02 | 0 | 1 | 4 | 4 |
| Datsun 710 | 22.8 | 4 | 108.0 | 93 | 3.85 | 2.320 | 18.61 | 1 | 1 | 4 | 1 |
| Hornet 4 Drive | 21.4 | 6 | 258.0 | 110 | 3.08 | 3.215 | 19.44 | 1 | 0 | 3 | 1 |
| Hornet Sportabout | 18.7 | 8 | 360.0 | 175 | 3.15 | 3.440 | 17.02 | 0 | 0 | 3 | 2 |
| Valiant | 18.1 | 6 | 225.0 | 105 | 2.76 | 3.460 | 20.22 | 1 | 0 | 3 | 1 |
| Duster 360 | 14.3 | 8 | 360.0 | 245 | 3.21 | 3.570 | 15.84 | 0 | 0 | 3 | 4 |
| Merc 240D | 24.4 | 4 | 146.7 | 62 | 3.69 | 3.190 | 20.00 | 1 | 0 | 4 | 2 |
| Merc 230 | 22.8 | 4 | 140.8 | 95 | 3.92 | 3.150 | 22.90 | 1 | 0 | 4 | 2 |
| Merc 280 | 19.2 | 6 | 167.6 | 123 | 3.92 | 3.440 | 18.30 | 1 | 0 | 4 | 4 |

This is famous iris dataset:

head(iris)

**Table** **:** iris

| Sepal.Length | Sepal.Width | Petal.Length | Petal.Width | Species |
| --- | --- | --- | --- | --- |
| 5.1 | 3.5 | 1.4 | 0.2 | setosa |
| 4.9 | 3.0 | 1.4 | 0.2 | setosa |
| 4.7 | 3.2 | 1.3 | 0.2 | setosa |
| 4.6 | 3.1 | 1.5 | 0.2 | setosa |
| 5.0 | 3.6 | 1.4 | 0.2 | setosa |
| 5.4 | 3.9 | 1.7 | 0.4 | setosa |

This a flextable:

if(require("flextable")){  
 ft <- flextable(head(mtcars, n = 10))  
 ft <- fontsize(ft, size = 9, part = "all")  
 ft <- compose(x = ft, j = "mpg",  
 value = as\_paragraph(  
 value = lollipop(value = mpg, min = 0, max = 30, positivecol = "#DD2233", rangecol = "#DD2233")  
 ))  
 ft <- compose(x = ft, j = "drat",  
 value = as\_paragraph(  
 value = minibar(value = drat, max = 6, barcol = "#DD3322")  
 ))  
 ft <- compose(x = ft, j = "qsec",  
 value = as\_paragraph(  
 value = linerange(value = qsec)  
 ))  
 ft <- set\_table\_properties(ft, layout = "autofit")  
 ft  
 }

## Loading required package: flextable

**Table** **:** flextable

| mpg | cyl | disp | hp | drat | wt | qsec | vs | am | gear | carb |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 6 | 160.0 | 110 |  | 2.620 |  | 0 | 1 | 4 | 4 |
|  | 6 | 160.0 | 110 |  | 2.875 |  | 0 | 1 | 4 | 4 |
|  | 4 | 108.0 | 93 |  | 2.320 |  | 1 | 1 | 4 | 1 |
|  | 6 | 258.0 | 110 |  | 3.215 |  | 1 | 0 | 3 | 1 |
|  | 8 | 360.0 | 175 |  | 3.440 |  | 0 | 0 | 3 | 2 |
|  | 6 | 225.0 | 105 |  | 3.460 |  | 1 | 0 | 3 | 1 |
|  | 8 | 360.0 | 245 |  | 3.570 |  | 0 | 0 | 3 | 4 |
|  | 4 | 146.7 | 62 |  | 3.190 |  | 1 | 0 | 4 | 2 |
|  | 4 | 140.8 | 95 |  | 3.150 |  | 1 | 0 | 4 | 2 |
|  | 6 | 167.6 | 123 |  | 3.440 |  | 1 | 0 | 4 | 4 |

# Section

## A two columns section

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## End of two columns section

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## Landscape section

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**Figure** **:** sin function

## Section margins

**This is a custom text and the formatting of the paragraph is modified**

img.file <- file.path( R.home("doc"), "html", "logo.jpg" )  
text\_format <- fp\_text(bold = TRUE, font.size = 24, font.family = "Bradley Hand", color = "#006699")  
fpar\_1 <- fpar(  
 ftext("Hello World, how ", prop = text\_format ),  
 external\_img(src = img.file, height = 1.06/3, width = 1.39/3),  
 ftext(" you?", prop = text\_format ), fp\_p = fp\_par(text.align = "center") )  
fpar\_1

**Hello World, how** ![](data:application/octet-stream;base64,) **you?**

The following instructions define the section that applies to the text preceding it up to the end of the previous section.

ps <- prop\_section(  
 page\_margins = page\_mar(bottom = 1, top = 2, left = 1.5),  
 type = "oddPage"  
)  
block\_section(ps)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla eu pulvinar arcu, quis aliquam dui. In at cursus ante. Vestibulum non sagittis lacus. Duis vitae iaculis dui. Vivamus tempor, nibh ut pretium tempus, enim lorem dignissim quam, at euismod massa magna at magna. Sed facilisis dapibus diam nec volutpat. Maecenas facilisis dapibus egestas. Curabitur dignissim pharetra pulvinar. Nunc bibendum elit sed cursus congue. Curabitur ligula quam, iaculis faucibus orci quis, vestibulum lobortis lectus. Suspendisse fringilla nisl pulvinar, laoreet tellus sed, sollicitudin tortor. Donec consequat congue erat in iaculis. Curabitur luctus tellus ut turpis iaculis, nec laoreet ligula scelerisque.

# Graphics

year <- function(x) as.POSIXlt(x)$year + 1900  
ggplot(economics, aes(date, unemploy / pop)) +  
 geom\_line() + theme\_minimal()



**Figure** **:** economics plot

Math latex in captions is supported:

ggplot(mpg, aes(displ, cty, color = trans)) + geom\_point() + theme\_minimal()



**Figure** **:**