# Example title name

Some example subtitle

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# Contents

# 1  Introduction

Here is introduction to this example document. This document is written in R Studio server (RStudio Team 2020) and running in R Docker container (Boettiger and Eddelbuettel 2017).

## 1.1  The file structure

The file structure of this default project is inspired by SchlossLabs new_project github repository, article by Wilson et al. (2017) and

Here below is a simple schema of it:

```
project
|- README.md                            # the top level description of content (this doc)
|- CONTRIBUTING                         # instructions for how to contribute to your project
|- LICENSE                              # the license for this project
|- CITATION                             # instructions on how to cite the work
|
|- study/
| |- header.sty                         # LaTeX header file to format pdf version of manuscript
| |- bibliography.bib                   # BibTeX formatted references
| |- csl/                               # csl files to format references
| |- study.Rmd                          # executable Rmarkdown for this study, if applicable
| +- output/                            # images and other graphics for the presentation
| | |- study.md                         # Markdown (GitHub) version of the *.Rmd file
| | |- study.tex                        # TeX version of *.Rmd file
| | |- study.pdf                        # PDF version of *.Rmd file
| | |- study.html                       # html version of *.Rmd file
|
|- data                                 # raw and primary data, are not changed once created
| |- references/                        # reference files to be used in analysis
| |- raw/                               # raw data, will not be altered
| |- processed/                         # cleaned data, will not be altered once created;
|                                       # will be committed to repo
|
|- docker                               # Files related to docker virtualisation
| |- Dockerfile                     # Dockerfile defining the development environment
| |- add_shiny.sh                   # These four files below are all configuration files
| |- disable_auth_rserver.conf    # used in building an image from the Dockerfile
| |- pam-helper.sh                      # obtained from Rocker projects github page:
| |- userconf.sh                        # https://github.com/rocker-org/rocker-versioned/tree/master
|                               # The Dockerfile has also heavily loaned code from the Rocker project
|                               # https://www.rocker-project.org/
|
|- presentations                        # presentations about the project
| |- _output.yaml                       # shared configurations for all presentations
| |- style.css                          # css for modifying features in presentation
| |- presentation.Rmd               # Rrevealjs presentation
| |- presentation.html            # rendered html of presentation.Rmd
| |- images/                            # images and other graphics for the presentation
|
|- scripts/                             # any programmatic code
|
|- results                              # all output from workflows and analyses
| |- tables/                            # tables and other tabular data
```

```
| |- figures/                                # graphs, likely designated for manuscript figures
| |- pictures/                               # diagrams, images, and other non-graph graphics
|
|- exploratory/                              # exploratory data analysis for study
| |- notebook/                               # preliminary analyses
| |- scratch/                                # temporary files that can be safely deleted or lost
|
|- Snakefile                                 # executable Snakefile for this study, if applicable
```

# 2   Some chapter

I prefer that 1. level headings start from a new page and try not to have heading levels higher than 2.
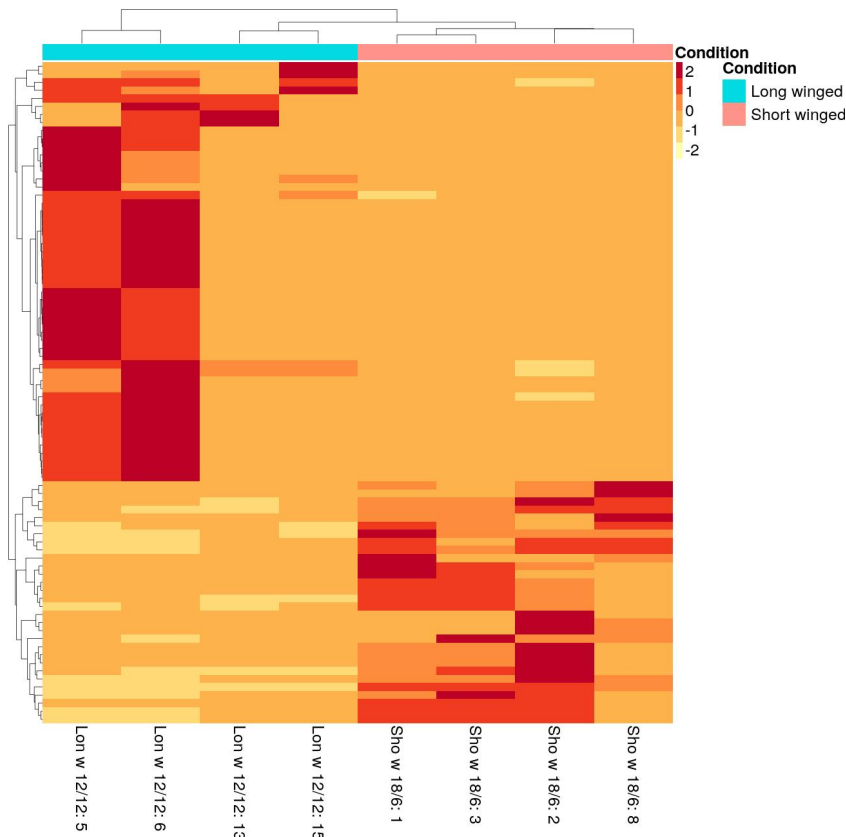
Here is an example Figure 1.



Figure 1: Here is an example figure.

## 2.1   Here is a sub chapter

Footnotes can be inserted with a simple syntax[1]. The following Table 1 is an example.

Table 1: Here is an example table.

| No | Column 1 | Column 2 |
|----|----------|----------|
| 1 | Some | Data |
| 2 | Here too | and here |
| 3 | and finally | here |

In order to convert this Rmarkdown document to both html and pdf format, you should move this section in the YAML header:

```
bookdown::pdf_document2:
  keep_tex: no
  latex_engine: xelatex
```

---

[1]Here is a foot note text.

```
    # For more pandoc args see:
    # https://pandoc.org/MANUAL.html
    pandoc_args: ["--top-level-division=section",
                  "-V", "documentclass=article",
                  "-V", "linkcolor=MidnightBlue",
                  "-V", "citecolor=Aquamarine",
                  "-V", "urlcolor=NavyBlue",
                  "-V", "toccolor=NavyBlue",
                  "-V", "pagestyle=headings"]
```

above this section:

```
  bookdown::html_document2:
    highlight: tango
    theme: yeti
    split_by: none # only generate a single output page
    self_contained: TRUE
    toc: yes
    toc_float:
      collapsed: FALSE
      smooth_scroll: TRUE
      print: FALSE
    code_folding: hide
    number_sections: TRUE
    code_download: TRUE
    pandoc_args: ["--top-level-division=section",
              "-V", "documentclass=report"]
```

but below the line with `output:`. This is quite hacky but it works for now…

# 3 Session info

```
sessionInfo()
```

```
R version 3.6.1 (2019-07-05)
Platform: x86_64-pc-linux-gnu (64-bit)
Running under: Debian GNU/Linux 9 (stretch)
...
```

# References

Boettiger, Carl, and Dirk Eddelbuettel. 2017. "An Introduction to Rocker: Docker Containers for R." *R Journal* 9 (2): 527–36. https://rocker-project.org.%20http://arxiv.org/abs/1710.03675.

RStudio Team. 2020. "RStudio: Integrated Development Environment for R." Boston, MA: RStudio, Inc. http://www.rstudio.com/.

Wilson, Greg, Jennifer Bryan, Karen Cranston, Justin Kitzes, Lex Nederbragt, and Tracy K Teal. 2017. "Good enough practices in scientific computing." Edited by Francis Ouellette. *PLOS Computational Biology* 13 (6): e1005510. https://doi.org/10.1371/journal.pcbi.1005510.