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Visualization for Data Science with R

To my son,

without whom I should have finished this book two years earlier

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Preface

Hi there, this is my great book.

Why read this book

It is very important...

Structure of the book

Chapters 1 introduces a new topic, and ...

Software information and conventions

I used the **knitr** package (Xie, 2015) and the **bookdown** package (Xie, 2020) to compile my book. My R session information is shown below:

```
xfun::session_info()
```

```
## R version 4.0.3 (2020-10-10)
## Platform: x86_64-apple-darwin17.0 (64-bit)
## Running under: macOS Big Sur 10.16
##
## Locale: en_US.UTF-8 / en_US.UTF-8 / en_US.UTF-8 / C / en_US.UTF-
8 / en_US.UTF-8
```

```
##
## Package version:
##   base64enc_0.1.3    bookdown_0.21
##   compiler_4.0.3     digest_0.6.27
##   evaluate_0.14      glue_1.4.2
##   graphics_4.0.3     grDevices_4.0.3
##   highr_0.8          htmltools_0.5.1.1
##   jsonlite_1.7.2     knitr_1.31
##   magrittr_2.0.1     markdown_1.1
##   methods_4.0.3      mime_0.9
##   rlang_0.4.10       rmarkdown_2.6
##   rstudioapi_0.13    stats_4.0.3
##   stringi_1.5.3      stringr_1.4.0
##   tinytex_0.31       tools_4.0.3
##   utils_4.0.3        xfun_0.20
##   yaml_2.2.1
```

Package names are in bold text (e.g., **rmarkdown**), and inline code and filenames are formatted in a typewriter font (e.g., `knitr::knit('foo.Rmd')`). Function names are followed by parentheses (e.g., `bookdown::render_book()`).

Acknowledgments

A lot of people helped me when I was writing the book.

<div align="right">

Frida Gomam
on the Mars

</div>

About the Author

Frida Gomam is a famous lady. Police will always let her go.

1

Introduction

Now unplug your Internet cable, and start doing some serious work.

We have a nice figure in Figure 1.1, and also a table in Table 1.1.

```
par(mar = c(4, 4, 1, .1))
plot(cars, pch = 19)
```
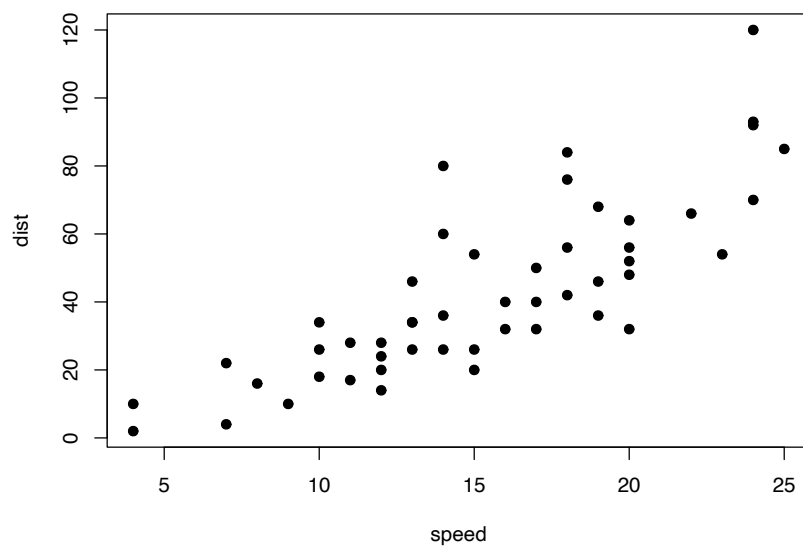

FIGURE 1.1: Hello World!

```
knitr::kable(
  head(iris), caption = 'The boring iris data.',
  booktabs = TRUE
)
```

More chapters to come in `02-foo.Rmd`, `03-bar.`Rmd, …

TABLE 1.1: The boring iris data.

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

2

The FOO Method

We talk about the *FOO* method in this chapter.

A

More to Say

Yeah! I have finished my book, but I have more to say about some topics. Let me explain them in this appendix.

To know more about **bookdown**, see `https://bookdown.org`.

Bibliography

Xie, Y. (2015). *Dynamic Documents with R and knitr*. Chapman and Hall/CRC, Boca Raton, Florida, 2nd edition. ISBN 978-1498716963.

Xie, Y. (2020). *bookdown: Authoring Books and Technical Documents with R Markdown*. R package version 0.21.

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