A Test Bookdown Book

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2017-11-27

Contents

Preface

This is just a sandbox to test various bookdown features. The online version of this book is licensed under the Creative Commons Public-Domain.

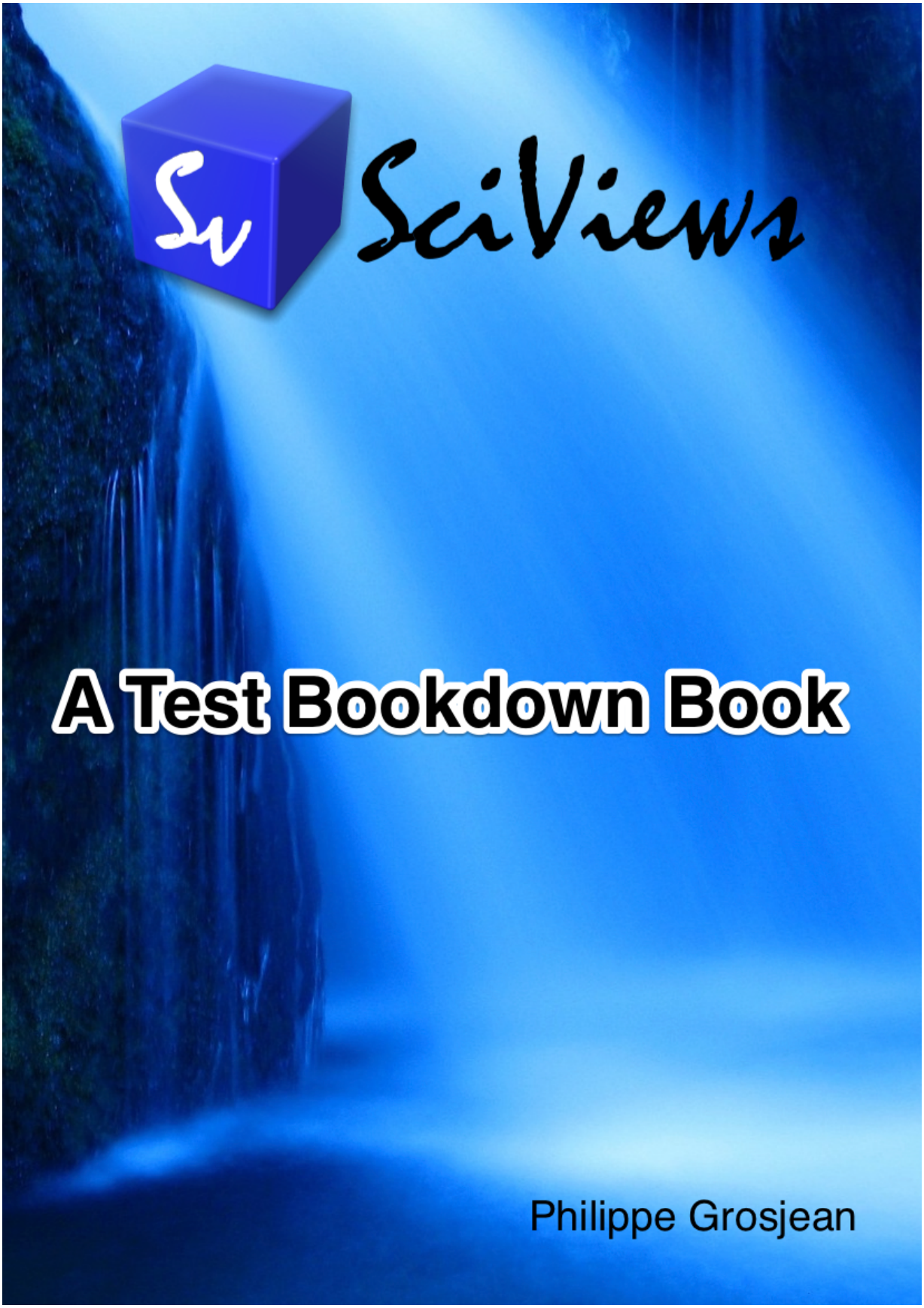

Figure 1:

Chapter 1

Introduction

This is my first bookdown, … and a sandbox to test its features. I started from here.

You can reference chapters using 1. Figures and tables are in their own environments:

```
par(mar = c(4, 4, .1, .1))
plot(pressure, type = 'b', pch = 19)
```

Reference a figure by its code chunk label with the `fig:` prefix, e.g., see Figure 1.1. Similarly, you can reference tables generated from `knitr::kable()`, e.g., see Table 1.1.

```
knitr::kable(
  head(iris, 20), caption = 'Here is a nice table!',
  booktabs = TRUE
)
```

You can write citations, too. For example, we are using the **bookdown** package (Xie, 2016) in this sample book, which was built on top of R Markdown and **knitr** (Xie, 2015).

In the example minimum repo there is an example of deployment using Travis-CI.

If some computation is time consuming, we could consider to cache it:

```
# A verrry long computation!
1 + 1
```

```
## [1] 2
```

To number equations and allow to refer to them, use an `equation` environment and label them with the syntax `(\#eq:label)`:

$$f\left(k\right) = \binom{n}{k} p^k \left(1-p\right)^{n-k} \tag{1.1}$$

… and here, I refer to eq. (1.1). In the vase equations are not labelled, use the `equation*` environment instead.

To makes parts in the book, use `# (PART) Part I {-}` just before the first title of that part. Also, you can use `# 5APPENDIX) Appendix {-}` just before appendices titles.

Text reference is especially useful for long captions, or captions with special formattings.

```
plot(cars)  # a scatterplot
```

TODO: browse the bookdown book from 2.4 Figures on….

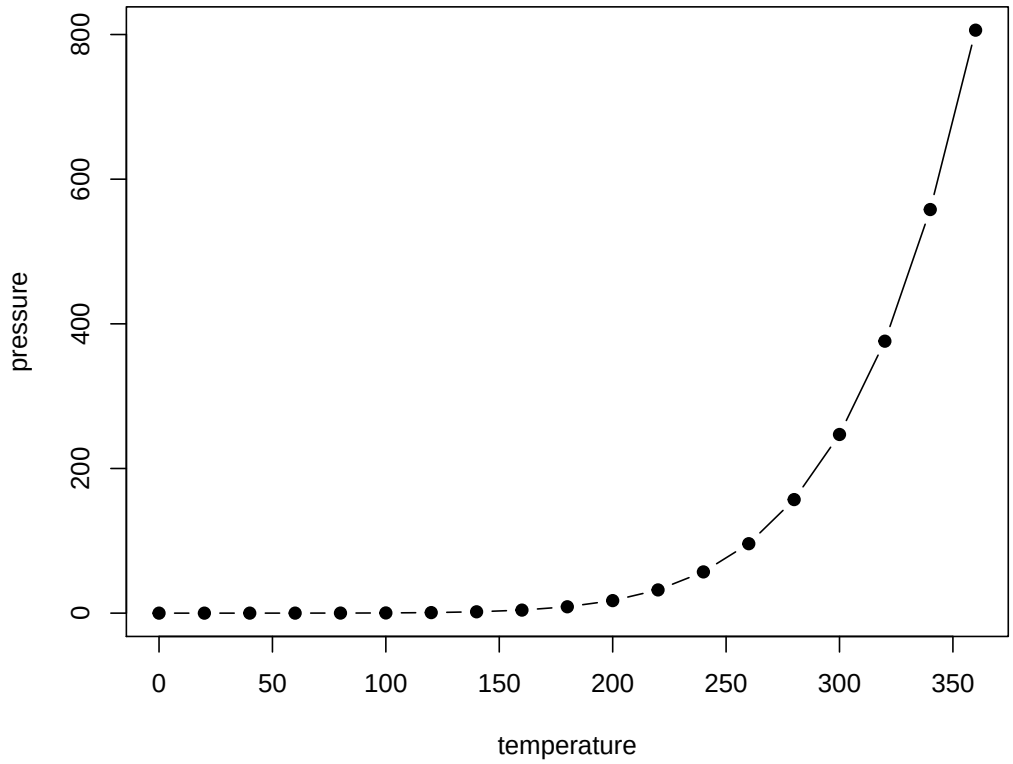

Figure 1.1: Here is a nice figure!

Table 1.1: Here is a nice table!

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
4.6	3.4	1.4	0.3	setosa
5.0	3.4	1.5	0.2	setosa
4.4	2.9	1.4	0.2	setosa
4.9	3.1	1.5	0.1	setosa
5.4	3.7	1.5	0.2	setosa
4.8	3.4	1.6	0.2	setosa
4.8	3.0	1.4	0.1	setosa
4.3	3.0	1.1	0.1	setosa
5.8	4.0	1.2	0.2	setosa
5.7	4.4	1.5	0.4	setosa
5.4	3.9	1.3	0.4	setosa
5.1	3.5	1.4	0.3	setosa
5.7	3.8	1.7	0.3	setosa
5.1	3.8	1.5	0.3	setosa

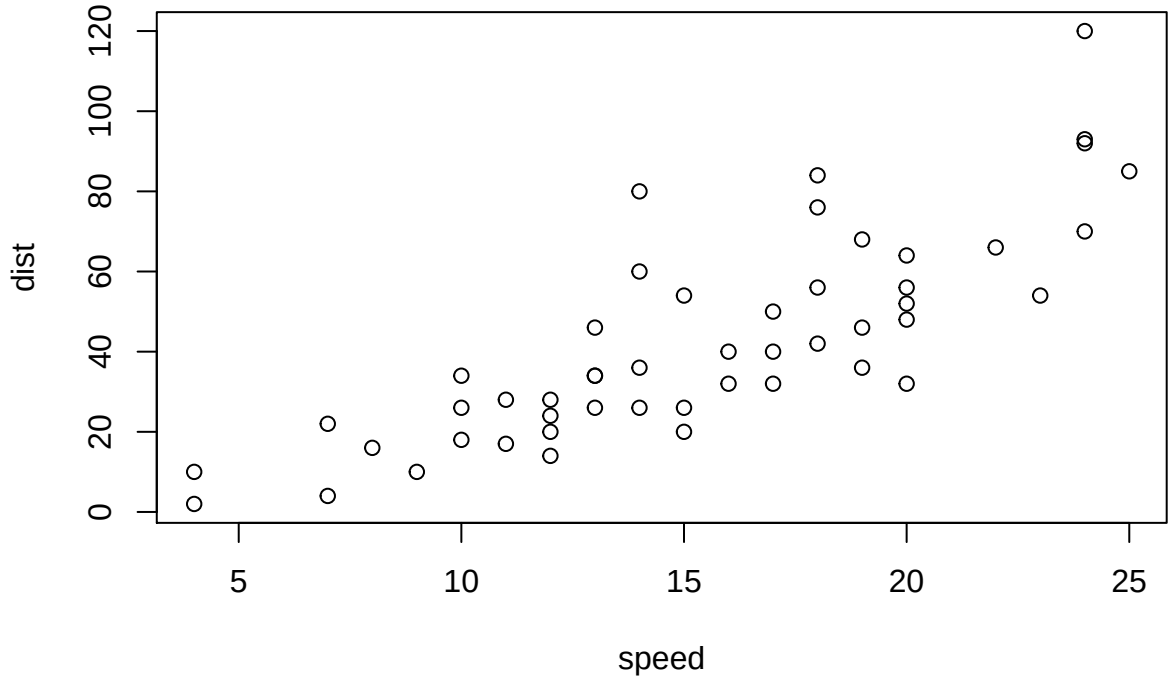

Figure 1.2: This is my caption with **formatting**…

Chapter 2

Diving In

Now let's talk details.

Chapter 3

Technical Details

Now I'll teach you some crazy math, but I need to work it out first...

Bibliography

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

Xie, Y. (2016). *bookdown: Authoring Books and Technical Documents with R Markdown*. R package version 0.3.