R for Psych Handbook

David John Baker

2018-03-21

Contents

1 Preface **5**

2 Introduction **7**

3 Literature **9**

4 Methods **11**

5 Applications **13**
5.1 Example one 13
5.2 Example two 13

6 Final Words **15**

7 Final Words **17**

8 Final Words **19**

9 This is a template file **21**

10 This is a template file **23**

11 This is a template file **25**

12 This is a template file **27**

13 This is a template file **29**

14 This is a template file **31**

15 This is a template file **33**

16 This is a template file **35**

17 This is a template file **37**

18 This is a template file **39**

19 This is a template file **41**

20 This is a template file **43**

21 This is a template file **45**

22 This is a template file **47**

23 This is a template file **49**

24 This is a template file **51**

25 This is a template file **53**

26 This is a template file **55**

27 This is a template file **57**

28 This is a template file **59**

Chapter 1

Preface

This book serves as a collection of resources used in the LSU psychological statistics courses. It contains some lecture notes, as well as R code and data to run each of the examples in R.

The book is still under construction.

Chapter 2

Introduction

You can label chapter and section titles using `{#label}` after them, e.g., we can reference Chapter 2. If you do not manually label them, there will be automatic labels anyway, e.g., Chapter 4.

Figures and tables with captions will be placed in `figure` and `table` environments, respectively.

```
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 2.1. Similarly, you can reference tables generated from `knitr::kable()`, e.g., see Table 2.1.

```
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, 2017) in this sample book, which was built on top of R Markdown and **knitr** (Xie, 2015).

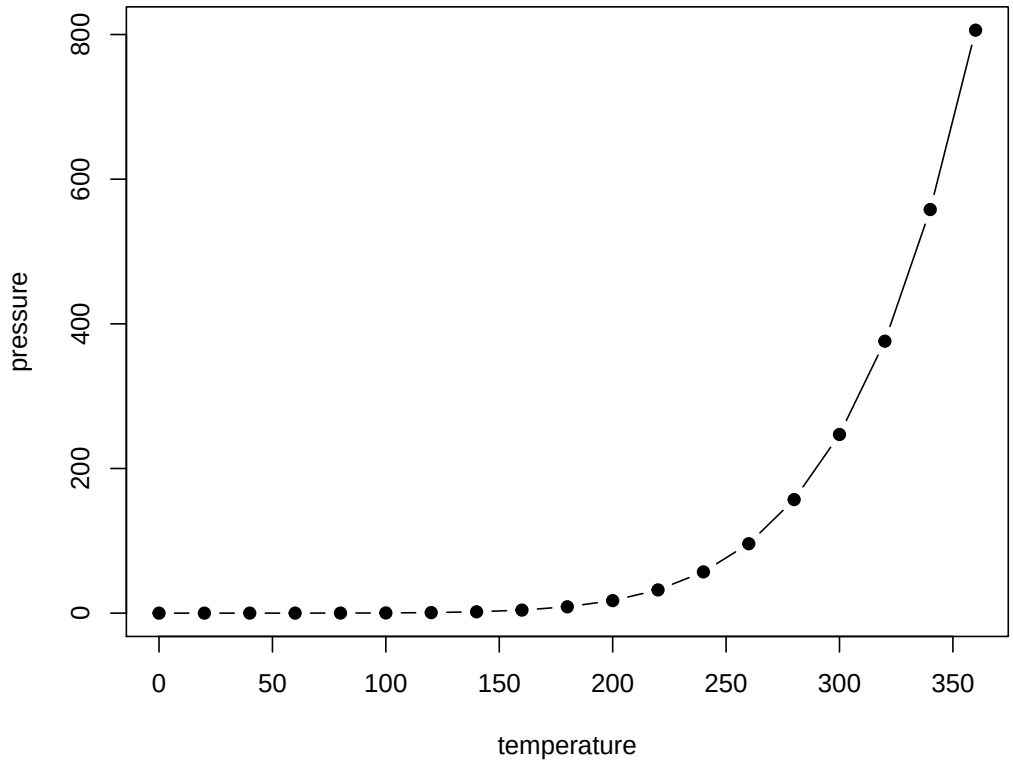

Figure 2.1: Here is a nice figure!

Table 2.1: 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

Chapter 3

Literature

Here is a review of existing methods.

Chapter 4

Methods

We describe our methods in this chapter.

Chapter 5

Applications

Some *significant* applications are demonstrated in this chapter.

5.1 Example one

5.2 Example two

Chapter 6

Final Words

We have finished a nice book.

Chapter 7

Final Words

attempt here

Chapter 8

Final Words

attempt here

Chapter 9

This is a template file

Template file

Chapter 10

This is a template file

Template file

Chapter 11

This is a template file

Template file

Chapter 12

This is a template file

Template file

Chapter 13

This is a template file

Template file

Chapter 14

This is a template file

Template file

Chapter 15

This is a template file

Template file

Chapter 16

This is a template file

Template file

Chapter 17

This is a template file

Template file

Chapter 18

This is a template file

Template file

Chapter 19

This is a template file

Template file

Chapter 20

This is a template file

Template file

Chapter 21

This is a template file

Template file

Chapter 22

This is a template file

Template file

Chapter 23

This is a template file

Template file

Chapter 24

This is a template file

Template file

Chapter 25

This is a template file

Template file

Chapter 26

This is a template file

Template file

Chapter 27

This is a template file

Template file

Chapter 28

This is a template file

Template file

Bibliography

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

Xie, Y. (2017). *bookdown: Authoring Books and Technical Documents with R Markdown*. R package version 0.5.