

Center for Conservation Biology | UC Riverside  
Administration Guide

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# Informational Resource for CCB Faculty & Staff



Chino Canyon Wildflowers, Coachella Valley, California. **Image Credit:**  
Coachella Valley Mountains Conservancy: *Bill Havert*



# Chapter 1

## Introduction





## Chapter 2

# Bookdown Guide

The first step to edit and add to this bookdown is to install the **bookdown** package from CRAN or Github:

### 2.1 Primary Reference Resources

Here is a list of resources to learn how to use and edit in bookdown

- Bookdown Package Documentation
- Authoring Books with R Markdown
- R Markdown Cookbook
- R Markdown: The Definitive Guide

### 2.2 Formatting

You can use anything that Pandoc's Markdown supports, e.g., a math equation  $a^2 + b^2 = c^2$ .

Remember each Rmd file contains one and only one chapter, and **a chapter** is defined by the first-level heading **#**.

You can label chapter and section titles using `{#label}` after them, e.g., we can reference Chapter 1. If you do not manually label them, there will be automatic labels anyway, e.g., Chapter ??.

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

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.

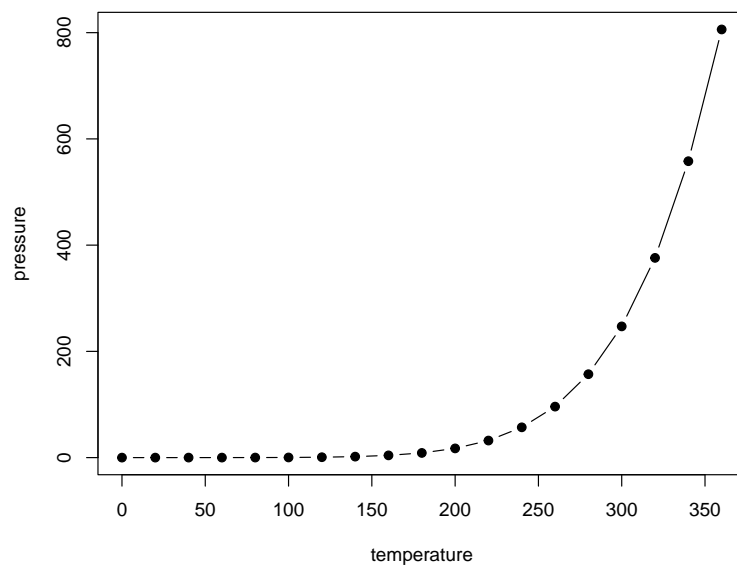


Figure 2.1: Here is a nice figure!

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

## 2.3 Citations

You can easily write citations using .bib files within this repository formatted using BibTEX. For example, the **bookdown** package (Xie, 2022) in this reference book, which was built on top of R Markdown and **knitr** (Xie, 2015).

## 2.4 Alt Text for Accessibility

Use the knitr package to add alt text to graphics in R Markdown files

## 2.5 Rendering Bookdown to Build & Publish

In your Console, type either of these commands depending on which type of render you prefer:

```
bookdown::render_book("index.Rmd", "bookdown::gitbook") bookdown::render_book("index.Rmd",  
"bookdown::pdf_book")
```

To compile to PDF, you need XeLaTeX. It is recommended to install TinyTeX (which includes XeLaTeX): <https://yihui.name/tinytex/>.



# Bibliography

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

Xie, Y. (2022). *bookdown: Authoring Books and Technical Documents with R Markdown*. R package version 0.27.