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View book source ⦿ (https://github.com/maelle/bspagedjs)

1 **Prerequisites**

In this chapter

View source ⬆ (https://github.com/maelle/bspagedjs/blob/master/index.Rmd)

Edit this chapter ⬆ (https://github.com/maelle/bspagedjs/edit/master/index.Rmd)

This is a *sample* book written in **Markdown**. You can use anything that Pandoc's Markdown supports, e.g., a math equation $a^2 + b^2 = c^2$.

The **bookdown** package can be installed from CRAN or Github:

```
install.packages("bookdown")
# or the development version
# devtools::install_github("rstudio/bookdown")
```

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

To compile this example to PDF, you need XeLaTeX. You are recommended to install TinyTeX (which includes XeLaTeX): https://yihui.org/tinytex/.

2 Introduction

In this chapter

View source ⦿ (https://github.com/maelle/bspagedjs/blob/master/01-intro.Rmd)

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Book PDF

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.

When $a \neq 0$, there are two solutions to $ax^2 + bx + c = 0$ and they are

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}.$$

BAD IDEA!!

Info

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)
```
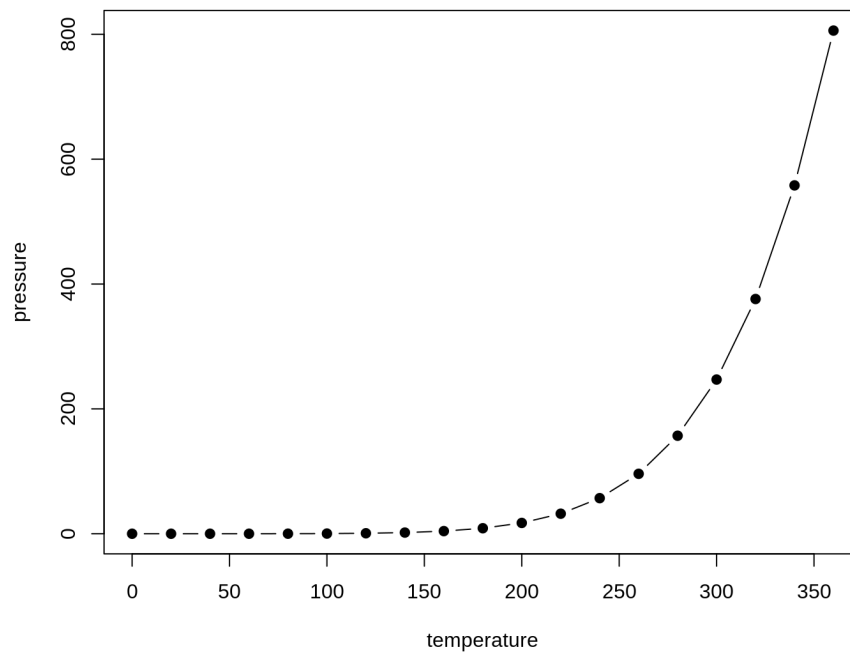
Figure 2.1: Here is a nice figure!

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.

2.1 **More!**

blabla

2.2 **Table**

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

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

Table 2.1: Here is a nice table!

You can write citations, too. For example, we are using the **bookdown** package (Xie 2020) in this sample book, which was built on top of R Markdown and **knitr** (Xie 2015).

3 Literature

In this chapter

View source ⊘ (https://github.com/maelle/bspagedjs/blob/master/02-literature.Rmd)

Edit this chapter⊘ (https://github.com/maelle/bspagedjs/edit/master/02-literature.Rmd)

Here is a review of existing methods.

4 Methods

In this chapter

View source (https://github.com/maelle/bspagedjs/blob/master/03-method.Rmd)

Edit this chapter (https://github.com/maelle/bspagedjs/edit/master/03-method.Rmd)

We describe our methods in this chapter.

5 Applications

In this chapter

View source ⬤ (https://github.com/maelle/bspagedjs/blob/master/04-application.Rmd)

Edit this chapter ⬤ (https://github.com/maelle/bspagedjs/edit/master/04-application.Rmd)

Some *significant* applications are demonstrated in this chapter.

5.1 Example one

5.2 Example two

6 **Final Words**

In this chapter

View source ○ (https://github.com/maelle/bspagedjs/blob/master/05-summary.Rmd)

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We have finished a nice book.

References

In this chapter

References

View source [] (https://github.com/maelle/bspagedjs/blob/master/06-references.Rmd)

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Xie, Yihui. 2015. *Dynamic Documents with R and Knitr*. 2nd ed. Boca Raton, Florida: Chapman; Hall/CRC. http://yihui.org/knitr/.

———. 2020. *Bookdown: Authoring Books and Technical Documents with R Markdown*. https://github.com/rstudio/bookdown.