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**Projektarbeit**

## **Titel der Arbeit**

*Untertitel der Arbeit*

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# 1. Prerequisites

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

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)
```

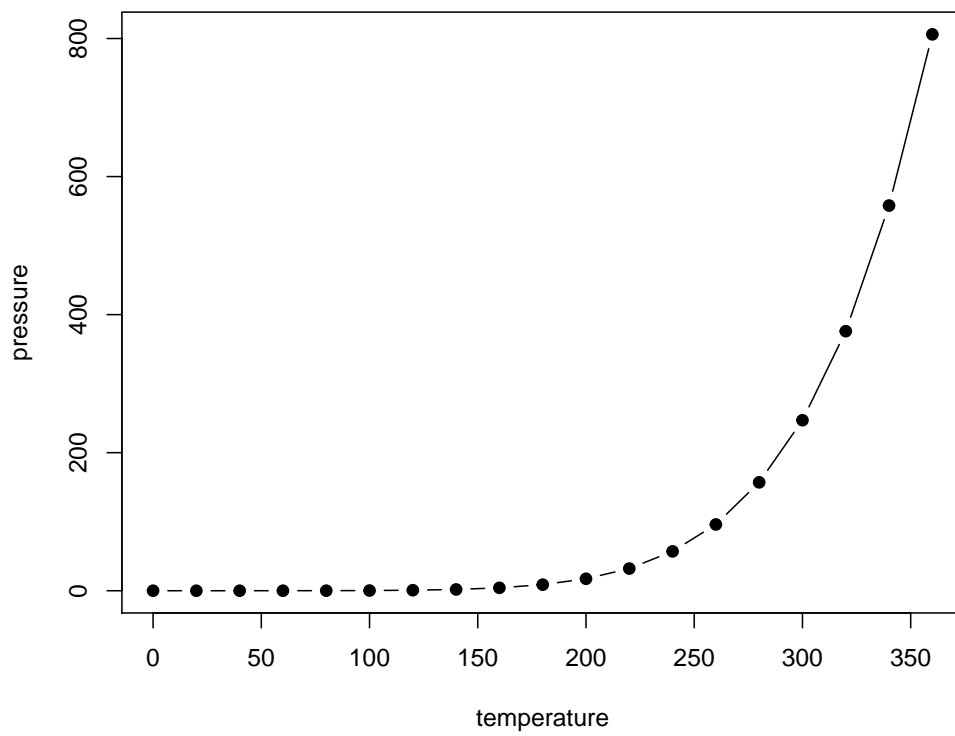
Reference a figure by its code chunk label with the `fig:` prefix, e.g., see Figure 2.1. Similarly, you can reference tables generated from `knitr::kable()`, e.g., see Table 2.1.

```
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 2015, S. 33-40) in this sample book, which was built on top of R Markdown and **knitr** (Vosoughi u. a. 2018, S. 10ff.).

**Tabelle 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



**Abbildung 2.1.:** Here is a nice figure!

### **3. Literature**

Here is a review of existing methods.

## 4. Methods

We describe our methods in this chapter.



## 5. Applications

Some *significant* applications are demonstrated in this chapter.

### 5.1. Example one

### 5.2. Example two

## 6. Final Words

We have finished a nice book.

# Literatur

- Vosoughi, Soroush, Deb Roy und Sinan Aral (2018). „The Spread of True and False News Online“. en. In: *Science* 359.6380 (März 2018), S. 1146–1151. ISSN: 0036-8075, 1095-9203. DOI: 10.1126/science.aap9559.
- Xie, Yihui (2015). *Dynamic Documents with R and Knitr*. Second edition. Boca Raton: CRC Press/Taylor & Francis. ISBN: 978-1-4987-1696-3.