

A Minimal Book Example for BIOL8700

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Chapter 1

BIOL8700__setup__2022

The goal of `BIOL8700__setup__2022` is to setup and generate documents using RStudio, RMarkdown and github

What is special about using `README.Rmd` instead of just `README.md`? You can include R chunks like so:

You'll still need to render `README.Rmd` regularly, to keep `README.md` up-to-date. `devtools::build_readme()` is handy for this. You could also use GitHub Actions to re-render `README.Rmd` every time you push. An example workflow can be found here: <https://github.com/r-lib/actions/tree/v1/examples>.

1.1 Results

You can also embed plots, code and data in an RMarkdown document. The core results of this repository are as follows:

In that case, don't forget to commit and push the resulting figure files, so they display on GitHub.

1.2 RStudio project file

- <https://r4ds.had.co.nz/workflow-projects.html> # About

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

1.3 Usage

Each **bookdown** chapter is an `.Rmd` file, and each `.Rmd` file can contain one (and only one) chapter. A chapter *must* start with a first-level heading: `# A`

good chapter, and can contain one (and only one) first-level heading.

Use second-level and higher headings within chapters like: **## A short section** or **### An even shorter section**.

The `index.Rmd` file is required, and is also your first book chapter. It will be the homepage when you render the book.

1.4 Render book

You can render the HTML version of this example book without changing anything:

1. Find the **Build** pane in the RStudio IDE, and
2. Click on **Build Book**, then select your output format, or select “All formats” if you’d like to use multiple formats from the same book source files.

Or build the book from the R console:

```
bookdown::render_book()
```

To render this example to PDF as a `bookdown::pdf_book`, you’ll need to install XeLaTeX. You are recommended to install TinyTeX (which includes XeLaTeX): <https://yihui.org/tinytex/>.

1.5 Preview book

As you work, you may start a local server to live preview this HTML book. This preview will update as you edit the book when you save individual `.Rmd` files. You can start the server in a work session by using the RStudio add-in “Preview book”, or from the R console:

```
bookdown::serve_book()
```

The references for a bookdown or rmarkdown file can be included using the following information in the yml header of the index file.

1.6 Manual references