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Figure 1: A cake of 'bookdown'. How should I cut it in a right way?

happily under the umbrella of 'bookdown'. 'bookdownplus' helps you write varied types of books and documents. This book you are reading at the moment was exactly produced by 'bookdownplus'.

I believe some official 'bookdown' templates will be available in the near future, but I cannot wait. Can you? The cake will not be fresh any more.

'bookdownplus' is a knife for cutting the 'bookdown' cake. Feel free to join me in sharpening it if you would like to.

1.3 WHY 'BOOKDOWNPLUS'

A tasty cake is not necessarily easy to cut. bookdown is not easy for beginners. Try reading the official manual of 'bookdown'². If you are able to build your own book in one hour, I am sure you are a genius and please send me a postcard with your signature. An R beginner might be confused or depressed in struggling in the flood of LaTeX, YAML, Markdown, Pandoc, etc. It would be a pity if users stop their steps at the door and give up the courage of entering the wonderful world of bookdown.

bookdownplus is the easiest shortcut to the world of bookdown. With **just one single command** users can get a demo book (or multiple demo books) in .pdf or .doc, or even more formats (see the quick start section). bookdownplus extends the features of bookdown, and simplifies the procedure. Users only have to choose a template, clarify

The former project was called bookdown-plus, providing a folder for users to download and modify. It was later abandoned because it was not so convenient as an R package.

² <https://bookdown.org/yihui/bookdown/>

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QUICK START

2.1 PREPARATION

Before starting, you have to install 'R', 'RStudio', 'bookdown' package, and other software and packages (i.e. 'Pandoc', 'LaTeX', 'rmarkdown', 'rticle', 'knitr', etc.) which 'bookdown' depends on. See the official manual of 'bookdown'¹ for details. A brief list is as follows:

1. Download R² and install it.
2. Download RStudio³ and install it.
3. Download LaTeX⁴ and install it.
4. Download Pandoc⁵ and install it.
5. Run RStudio. Type the following codes in the top-left panel to install 'bookdown' and 'servr' packages:

```
install.packages('bookdown')
install.packages('servr')
```

Additionally, if you want to produce a poster, phython must be installed before using, and the path of phython might have to be added to the environmental variables for Windows users. The usage of the poster template is described in Chapter 7.3.

2.2 INSTALLATION OF 'BOOKDOWNPLUS'

You can either install the stable version of 'bookdownplus' on CRAN:

```
install.packages('bookdownplus')
```

or the development version on GitHub:

```
devtools::install_github('pzhaoet/bookdownplus')
```

¹ <https://bookdown.org/yihui/bookdown/>

² <https://cran.r-project.org/bin/windows/base/>

³ <https://www.rstudio.com/products/rstudio/download/>

⁴ <http://www.ctex.org/CtEXDownload>

⁵ <http://pandoc.org/installing.html>