

Environmental Systems Data Science

Loïc Pellissier, Joshua Payne, Benjamin Stocker

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Chapter 1

Primers

[Embed video here by:]

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: nothing

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

If you want to generate PDF output, you will need to install LaTeX. For R Markdown users who have not installed LaTeX before, we recommend that you install TinyTeX (<https://yihui.name/tinytex/>):

```
install.packages('tinytex')  
tinytex::install_tinytex() # install TinyTeX
```

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

Chapter 2

Big Data for environmental sciences

Here is a review of existing methods.

Chapter 3

Data scraping and wrangling

We describe our methods in this chapter.

Chapter 4

Process modelling and model-data fusion

Some *significant* applications are demonstrated in this chapter.

4.1 Example one

4.2 Example two

Chapter 5

Supervised learning

We have finished a nice book.

Chapter 6

Unsupervised learning

We have finished a nice book.