

# How to create a bookdown book in 5 minutes

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Misha

# Online bookdown book (GitBook style)

← → ⌂ r4ds.had.co.nz ☆

R for Data Science

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Welcome

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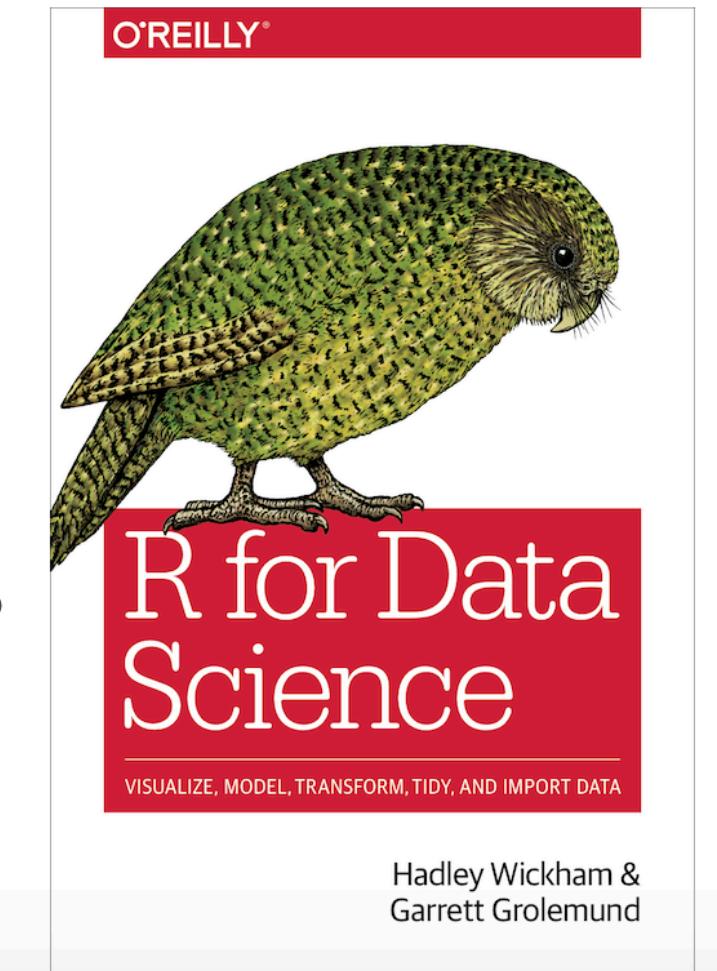
16 Dates and times

## R for Data Science

*Garrett Grolemund*  
*Hadley Wickham*

## Welcome

This is the website for “R for Data Science”. This book will teach you how to do data science with R: You’ll learn how to get your data into R, get it into the most useful structure, transform it, visualise it and model it. In this book, you will find a practicum of skills for data science. Just as a chemist learns how to clean test tubes and stock a lab, you’ll learn how to clean data and draw plots—and many other things besides. These are the skills that allow data science to happen, and here you will find the best practices for doing each of these things with R. You’ll learn how to use the grammar of graphics, literate programming, and reproducible research to save time. You’ll also learn how to manage cognitive resources to facilitate discoveries when wrangling, visualising, and exploring data.



This website is (and will always be) free to use and is licensed

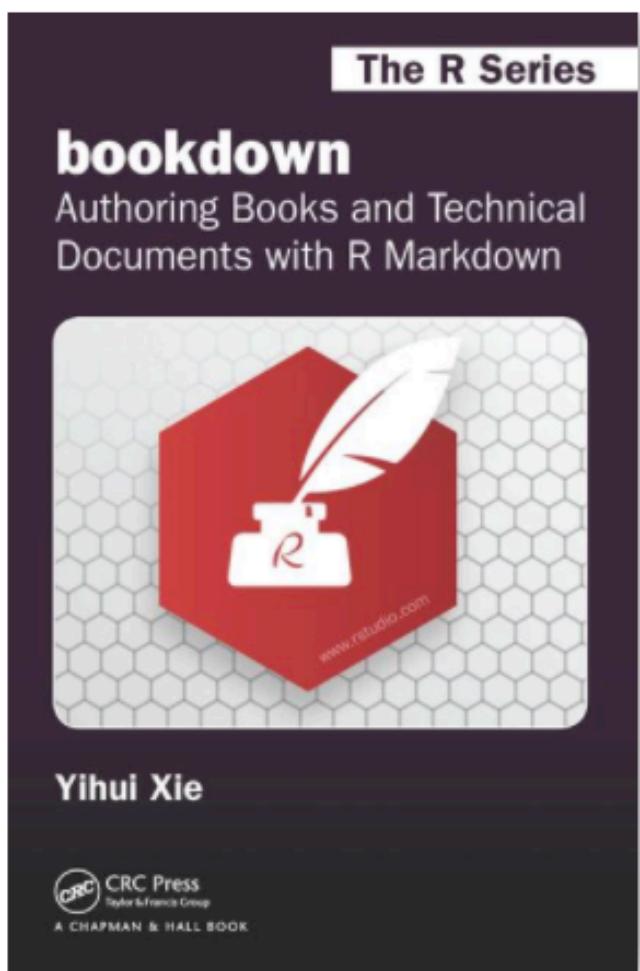
# How do I get started?

## bookdown: Authoring Books and Technica...

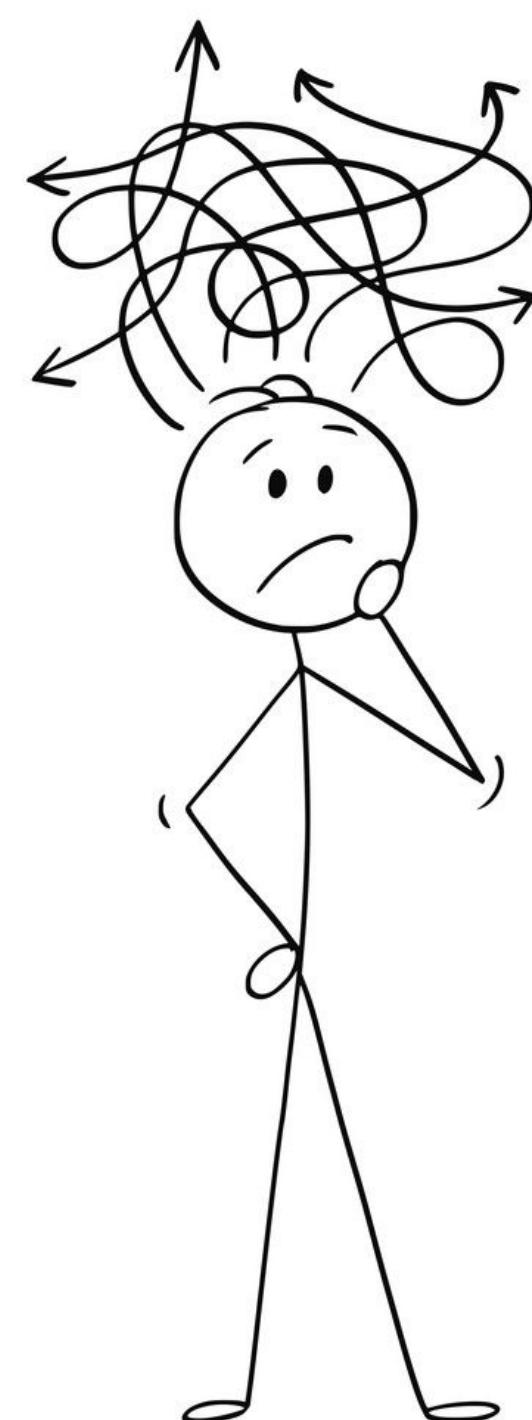
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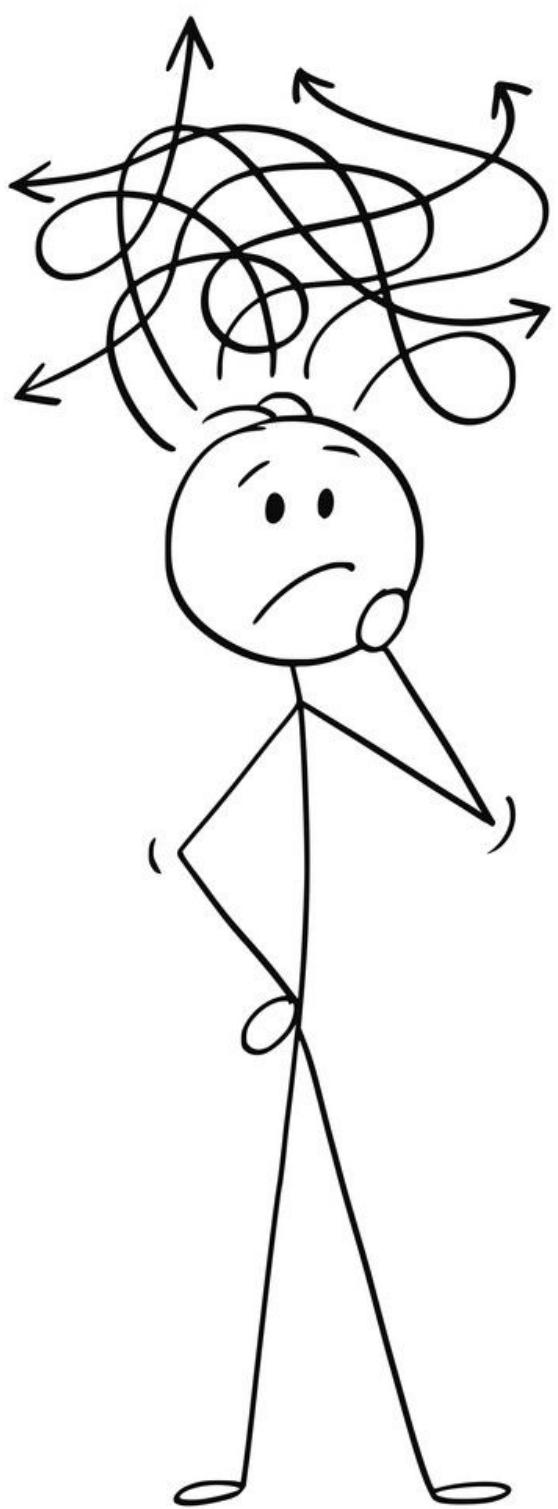


A guide to authoring books with R Markdown, including how to generate figures and tables, and insert cross-references, citations, HTML widgets, and Shiny apps in R Markdown. The book can be exported to HTML, PDF, and e-books (e.g. EPUB). The book style is customizable. You can easily write and preview the book in RStudio IDE or other editors, and host the book wherever you want (e.g. [bookdown.org](http://bookdown.org)). *Read more →*



“Two rendering approaches:  
M-K and K-M”

# What do I with all these files?



rstudio / **bookdown-demo** Template

[Code](#) [Issues 9](#) [Pull requests](#) [Actions](#) [Security](#) [Insights](#)

[master](#) [6 branches](#) [0 tags](#) [Go to file](#)

**soleo** and **yihui** Add now.json and Dockerfile for building HTML book an...

File	Description
.gitignore	more files and dirs to ignore (close <a href="#">#18</a> )
.travis.yml	increase Pandoc version
01-intro.Rmd	delete accidental changes
02-literature.Rmd	remove bookdown::preview_chapter
03-method.Rmd	remove bookdown::preview_chapter
04-application.Rmd	remove bookdown::preview_chapter
05-summary.Rmd	remove bookdown::preview_chapter
06-references.Rmd	put the chapter title on its own line
DESCRIPTION	fix <a href="#">#18</a> : specify Type: Book to make sure it's a book
Dockerfile	Add now.json and Dockerfile for build
LICENSE	Initial commit

README:

"This is a minimal example of a book based on R Markdown and bookdown (<https://github.com/rstudio/bookdown>). . . ."

\_bookdown.yml

.travis.yml

Dockerfile

\_output.yml

# The 5-minute bookdown book

1. *Output format:* HTML ~~PDF~~
2. *Web hosting:* GitHub Pages ~~Netlify~~
3. *.Rmd to .html rendering:* ~~Travis~~ ~~GitHub Actions~~

“Render Your Own Book”



`bookdown::render_book("index.Rmd")` PAGES

*Push rendered .html files to GitHub*

# github.com/jtr13/bookdown-template

The screenshot shows a GitHub repository page for the user `jtr13` named `bookdown-template`. The repository is marked as a Template. The page includes a navigation bar with links for Pull requests, Issues, Marketplace, and Explore. Below the navigation bar, there are buttons for Unwatch (1), Star (0), and Fork (0). The main content area shows the repository's code structure and commit history. The code tab is selected, showing the `master` branch with 1 branch and 0 tags. A green button labeled "Use this template" is visible. The commit history lists several commits from the user `jtr13`, including updates to `_bookdown.yml`, `index.Rmd`, and `style.css`. To the right of the code area, there are sections for About, Releases, Packages, and Languages. The "About" section describes it as a "Template for R bookdown books". The "Languages" section shows a single file is written in CSS at 100.0%.

`jtr13 / bookdown-template` Template

generated from [jtr13/EDAVproject](#)

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 1 branch 0 tags Go to file Add file Code Use this template

`jtr13 Update _bookdown.yml` 549524f 14 days ago 9 commits

File	Commit Message	Time Ago
<code>docs</code>	edit README, rename chapters	19 days ago
<code>.gitignore</code>	Initial commit	19 days ago
<code>02-tears.Rmd</code>	edit README, rename chapters	19 days ago
<code>03-race.Rmd</code>	edit README, rename chapters	19 days ago
<code>README.md</code>	typo fix	15 days ago
<code>_bookdown.yml</code>	Update _bookdown.yml	14 days ago
<code>_output.yml</code>	Initial commit	19 days ago
<code>index.Rmd</code>	edit README, rename chapters	19 days ago
<code>style.css</code>	Initial commit	19 days ago

`README.md`

About Template for R bookdown books

Readme

Releases No releases published

Create a new release

Packages No packages published

Publish your first package

Languages

• CSS 100.0%

# bit.ly/fiveminutebookdown

☰ YouTube Search

QuickTime Player File Edit View Window Help

jtr13/bookdown-template: Tem × +

github.com/jtr13/bookdown-template

Search or jump to... Pull requests Issues Marketplace Explore

jtr13 / bookdown-template Template generated from jtr13/EDAVproject

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

master 1 branch 0 tags Go to file Add file Code Use this template

jtr13 Update README.md 8d7fd06 1 minute ago 16 commits

File	Description	Time Ago
docs	edit README, rename chapters	22 days ago
.gitattributes	Create .gitattributes	1 hour ago
.gitignore	Initial commit	22 days ago
02-tears.Rmd	edit README, rename chapters	22 days ago
03-race.Rmd	edit README, rename chapters	22 days ago
README.md	Update README.md	1 minute ago
_bookdown.yml	Update _bookdown.yml	17 days ago
_output.yml	Initial commit	22 days ago
index.Rmd	edit README, rename chapters	22 days ago
style.css	Initial commit	22 days ago

About

Template for R bookdown books

Readme

Releases

No releases published Create a new release

Packages

No packages published Publish your first package

How to create a bookdown book in 5 minutes

7 views • Sep 1, 2020

0 0 SHARE SAVE ...

# GitHub

## Copy this template

- 1. Click the green "Use this template" button above. DO NOT FORK THE REPO. Choose a descriptive name for your repo based on your content. (Unlike when you fork a repo, you get to choose the name. If you change your mind before you do any work, delete your new repo and start over.)

## Set up GitHub Pages

- 1. On the home page of your repo, click Settings. Scroll down to the GitHub pages section and change **Source** to **master branch /docs folder**. Above the **Source** line, a bar will appear with your book's URL. The bar will initially be blue and indicate that your book is *ready* to be published and will change to green once it is published. Copy the URL. (Note that sometimes there is a delay until your book actually appears at that URL. If it doesn't appear after a few minutes, make a change and commit it to trigger a GitHub Pages build.)
- 2. Click the gear button near "About" on the home page of the repo and paste your book URL into the **Website** field that appears on the right.

These instructions are available here: [github.com/jtr13/bookdown-template](https://github.com/jtr13/bookdown-template)

# RStudio

## Clone the repo

- 1. Clone your new repo with *File, New Project..., Version Control, Git* in RStudio.

## Edit some key files

- 1. In `index.Rmd`, change YOUR TITLE HERE to your title.
- 2. In `index.Rmd`, change YOUR NAME HERE to your name.
- 3. In `_bookdown.yml`, change YOUR GITHUB USERNAME to your GitHub username in the two places it appears.
- 4. In `_bookdown.yml`, change YOUR GITHUB REPO to your GitHub repo name in the two places it appears.
- 5. In `_output.yml`, change YOUR SHORT TITLE to a shortened version of your title. (Leave the "after:" line indicating that the book was published with bookdown as is.)

These instructions are available here: [github.com/jtr13/bookdown-template](https://github.com/jtr13/bookdown-template)

# RStudio

## Render the book

- 1. Install **bookdown** with `install.packages("bookdown")`. If you already have it, update to the [latest version](#).
- 2. Render locally with `bookdown::render_book("index.Rmd")`.
- 3. Use `browseURL("docs/index.html")` to view your book locally (or just open `index.html` in a browser).
- 4. If it looks good, commit and push all changed files to GitHub.

(You will need to repeat steps 2 and 4 every time you wish to update the book online.)

These instructions are available here: [github.com/jtr13/bookdown-template](https://github.com/jtr13/bookdown-template)

# GitHub

## Edit README

Once you've completed these steps, delete the content of this **README** and add a short description of your project with a link to the book URL. It would be appreciated if you add the following to the end:

*This repo was initially generated from a bookdown template available here: <https://github.com/jtr13/bookdown-template>.*

## Demo Video

A demo video showing how to create a **bookdown book** following these instructions:

<http://bit.ly/fiveminutebookdown>

These instructions are available here: [github.com/jtr13/bookdown-template](https://github.com/jtr13/bookdown-template)

# Thank you!

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