

R Markdown: The Definitive Guide is the first official book authored by the core R Markdown developers that provides a comprehensive and accurate reference to the R Markdown ecosystem, in which you can easily create reproducible data analysis reports, presentations, dashboards, interactive applications, books, websites, and journal articles, while enjoying the simplicity of Markdown and the great power of R and other languages.

In this book, you will learn the basics (syntax of Markdown and R code chunks, how to generate figures and tables, and how to use other computing languages), built-in output formats of R Markdown (PDF/HTML/Word/RTF/Markdown documents and ioslides/Slidy/Beamer/PowerPoint presentations), its extensions and applications (dashboards, Tufte handouts, xaringan/reveal.js presentations, websites, books, journal articles, and interactive tutorials), as well as some advanced topics (parameterized reports, HTML widgets, document templates, custom output formats, and Shiny documents). Since the book is rather comprehensive, you may choose to only read the parts that you are interested in for the first time.

Yihui Xie is a software engineer at RStudio. He has authored and co-authored several R packages, including knitr, rmarkdown, bookdown, blogdown, shiny, xaringan, and animation. He has published three other books, “Dynamic Documents with R and knitr”, “bookdown: Authoring Books and Technical Documents with R Markdown”, and “blogdown: Creating Websites with R Markdown”.

J.J. Allaire is the founder of RStudio and the creator of the RStudio IDE. He is an author of several packages in the R Markdown ecosystem including rmarkdown, flexdashboard, learnr, and radix.

Garrett Grolemund is the co-author of “R for Data Science” and author of “Hands-On Programming with R”. He wrote the lubridate R package and works for RStudio as an advocate who trains engineers to do data science with R and the Tidyverse.