



Reproducible Research with R and R Studio, Second Edition (Chapman & Hall/CRC The R Series)

Christopher Gandrud

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All the Tools for Gathering and Analyzing Data and Presenting Results

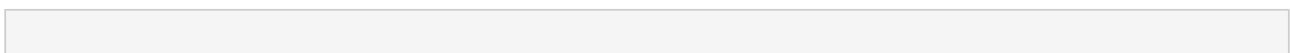
Reproducible Research with R and RStudio, Second Edition brings together the skills and tools needed for doing and presenting computational research. Using straightforward examples, the book takes you through an entire reproducible research workflow. This practical workflow enables you to gather and analyze data as well as dynamically present results in print and on the web.

New to the Second Edition

- The *rmarkdown* package that allows you to create reproducible research documents in PDF, HTML, and Microsoft Word formats using the simple and intuitive Markdown syntax
- Improvements to RStudio's interface and capabilities, such as its new tools for handling R Markdown documents
- Expanded *knitr* R code chunk capabilities
- The *kable* function in the *knitr* package and the *texreg* package for dynamically creating tables to present your data and statistical results
- An improved discussion of file organization, enabling you to take full advantage of relative file paths so that your documents are more easily reproducible across computers and systems
- The *dplyr*, *magrittr*, and *tidyr* packages for fast data manipulation
- Numerous modifications to R syntax in user-created packages
- Changes to GitHub's and Dropbox's interfaces

Create Dynamic and Highly Reproducible Research

This updated book provides all the tools to combine your research with the presentation of your findings. It saves you time searching for information so that you can spend more time actually addressing your research questions. Supplementary files used for the examples and a reproducible research project are available on the author's website.



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