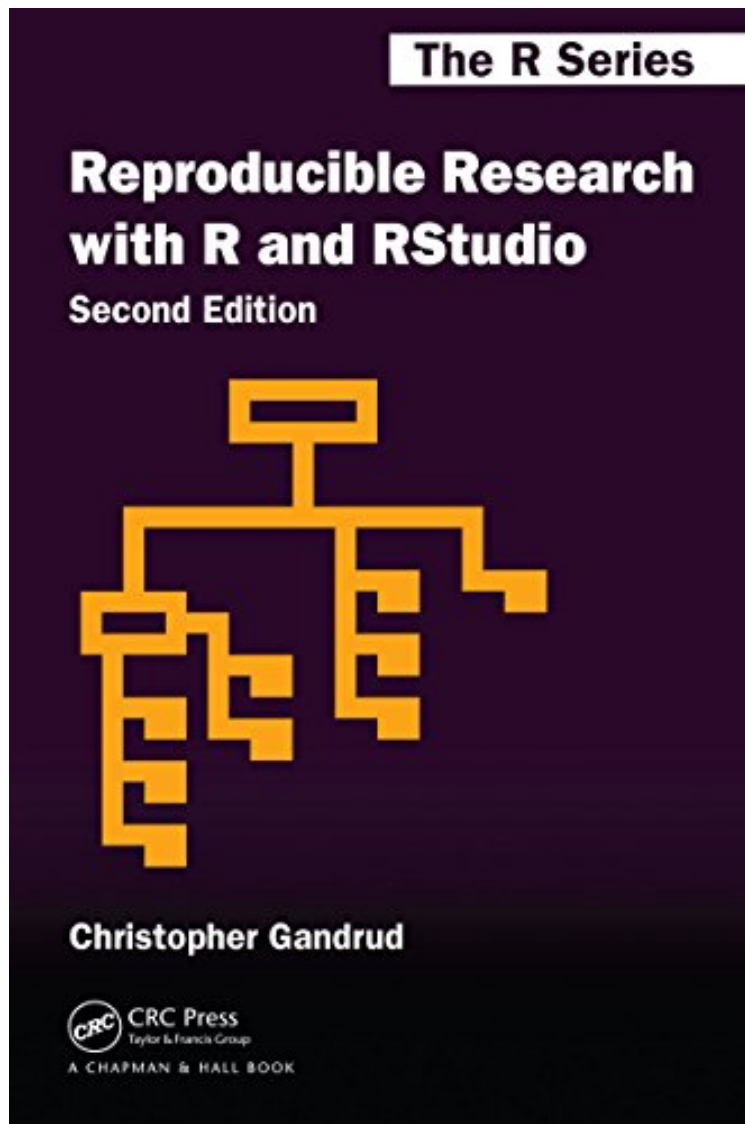


[Mobile book] Reproducible Research with R and R Studio, Second Edition (Chapman Hall/CRC The R Series)

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
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Improvements to RStudio's interface and capabilities, such as its new tools for handling R Markdown documents
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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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Praise for the First Edition: "a very practical book that teaches good practice in organizing reproducible data analysis and comes with a series of examples. an extremely valuable overview of the current capabilities of R, RStudio, and related software tools for reproducible research. I recommend this book to anyone who wants to learn more about these fascinating tools." Biometrical Journal, 2014
"Gandrud has written a great outline of how a fully reproducible research project should look from start to finish, with brief explanations of each tool that he uses along the way. the readers who will get the most use from this book are those already working in R and just need a way to organize their work. That being said, advanced undergraduate students in mathematics, statistics, and similar fields as well as students just beginning their graduate studies would benefit the most from reading this book. Many more experienced R users or second-year graduate students might find themselves thinking, 'I wish I read this book at the start of my studies, when I was first learning R' a good text for beginning graduate students or advanced undergraduate students who are just starting to do technical research. This book could be used as the main text for a class on reproducible research;" The American Statistician, November 2014
"Three recent books have significantly influenced how I use R in reproducible work: Dynamic Documents with R and knitr by Yihui Xie, Reproducible Research with R and RStudio by Christopher Gandrud, and Implementing Reproducible Research edited by Victoria Stodden, Friedrich Leisch, and Roger D. Peng I recommend all three books to R users at any level. There really is something here for everyone." Richard Layton, PhD, PE, Rose-Hulman Institute of Technology, Terre Haute, Indiana, USA
About the Author
Christopher Gandrud is a postdoctoral researcher in the Fiscal Governance Centre at the Hertie School of Governance. His research focuses on the international political economy of public financial and monetary institutions as well as applied social science statistics and software development. He has published many articles in peer-reviewed journals, including the Journal of Common Market Studies, of International Political Economy, Political Science Research and Methods, Journal of Statistical Software, and International Political Science . He earned a PhD in quantitative political science from the London School of Economics.