

## 13.2: R Resources

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### Books

The following books, which I have found useful, either provide a broad introduction to the R programming language, or a more targeted coverage of a particular application. The texts published by O'Reilly have on-line versions made available for free; there entries here provide links to the on-line versions.

- Chambers, J. M. **Software for Data Analysis: Programming with R**, Springer: New York, 2008.
- [Chang, W. \*R Graphics Cookbook\*, O'Reilly, 2013.](#)
- Gardner, M. **Beginning R: The Statistical Programming Language**, Wiley, 2012.
- [Gillespie, C.; Lovelace, R. \*Efficient R Programming\*, O'Reilly, 2020.](#)
- [Grolemund, G. \*Hands-On Programming with R\*, O'Reilly, 2014.](#)
- Horton, N. J.; Kleinman, K. **Using R and RStudio for Data Management, Statistical Analysis, and Graphics**, 2nd Edition, CRC Press, 2015.
- James, G.; Witten, D.; Hastie, T.; Tibshirani, R. **An Introduction to Statistical Learning with Applications in R**, Springer, 2013.
- Lander, J. P. **R for Everyone: Advanced Analytics and Graphics**, Addison Wesley, 2014.
- Kabacoff, Robert I. **R in Action: Data Analysis and Graphics with R**, Manning, 2011.
- Maindonald, J.; Braun, J. **Data Analysis and Graphics Using R**, Cambridge University Press: Cambridge, UK, 2003.
- Matloff, N. **The Art of R Programming**, No Starch Press, 2011.
- Sarkar, D. **Lattice: Multivariate Data Visualization With R**, Springer: New York, 2008.
- Vaughn, S. **Scientific Inference**, Cambridge, 2013.
- Wickham, H. **ggplot2**, Springer, 2009.
- [Wickham, H.; Grolemund, G. \*R for Data Science\*, O'Reilly, 2017.](#)

### Articles

- Doi, J.; Potter, G.; Wong, J. "Web Application Teaching Tools for Statistics Using R and Shiny", *Technology Innovations in Statistics Education*, 2016, 9.

### Websites

- CRANberries (<http://dirk.eddelbuettel.com/cranberries/>)
- The R Project for Statistical Computing (<https://www.r-project.org/>)
- The R Graph Gallery (<http://www.r-graph-gallery.com/>)
- R-Bloggers (<https://www.r-bloggers.com/>)
- RStudio (<https://www.rstudio.com/products/rstudio/>)
- RStudio Packages (<https://www.rstudio.com/products/rpackages/>)
- RWeekly (<https://rweekly.org/>)
- Stackoverflow (<https://stackoverflow.com/questions/tagged/r>)

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