Resources for Data Visualization in R

# General R Resources

**Tidyverse**, go-to place for learning about the handy suite of packages, including the data visualization package ggplot2: <https://www.tidyverse.org/>

**RStudio**, for everything related to the integrated development environment, including cheat sheets, webinars and the interactive application builder Shiny: <https://www.rstudio.com/>

**R-bloggers**, news and tutorials for all things R: <https://www.r-bloggers.com/>

**R for Data Science**, online book for doing data science in R, including excellent section on visualization: <https://r4ds.had.co.nz/> Find solutions here: <https://jrnold.github.io/r4ds-exercise-solutions/>

**RDocumention**, good for searching across all the R packages, <https://www.rdocumentation.org/>

**StackOverflow**, extremely popular Q & A forum for all kinds of programming including R, great place to type in error messages and check for others’ solutions, <https://stackoverflow.com/>

# ggplot2 Tutorials, Tips, Cookbooks and Cheat Sheets

* <https://www.rstudio.com/wp-content/uploads/2015/03/ggplot2-cheatsheet.pdf>
* <http://www.stat.columbia.edu/~tzheng/files/Rcolor.pdf>
* <http://www.cookbook-r.com/Graphs/>
* <https://www.r-bloggers.com/7-visualizations-you-should-learn-in-r/>
* <http://www.sthda.com/english/wiki/be-awesome-in-ggplot2-a-practical-guide-to-be-highly-effective-r-software-and-data-visualization>
* <http://r-statistics.co/Complete-Ggplot2-Tutorial-Part1-With-R-Code.html>
* <https://www.statmethods.net/advgraphs/ggplot2.html>
* <https://tutorials.iq.harvard.edu/R/Rgraphics/Rgraphics.html>
* <https://www.ling.upenn.edu/~joseff/avml2012/>
* <https://www.datanovia.com/en/blog/ggplot-colors-best-tricks-you-will-love/>
* <http://zevross.com/blog/2014/08/04/beautiful-plotting-in-r-a-ggplot2-cheatsheet-3/>

# Videos

Talk on gganimate, a package for animated visualization (58 min): <https://www.youtube.com/watch?time_continue=1&v=21ZWDrTukEs>

A shorter lecture on gganimate (20 min):

<https://resources.rstudio.com/rstudio-conf-2019/gganimate-live-cookbook>

Data Science Dojo (DSD) Webinar on Intro to Data Visualization (71 min): <https://www.youtube.com/watch?v=49fADBfcDD4>

DSD Webinar Introduction to Data Visualization with ggplot2 (65 min): <https://www.youtube.com/watch?v=NXjPcXx42Yc>

RStudio YouTube Channel: <https://www.youtube.com/channel/UC3xfbCMLCw1Hh4dWop3XtHg/videos>

Interactive / Animated Graphics in R

Short overview of different interactive options:

<https://m-clark.github.io/data-processing-and-visualization/interactive.html>

Great tutorial on gganimate by the author of the package:

<https://gganimate.com/articles/gganimate.html>