Resources for Learning More about R

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| *Workshop 1* | To install R:  <http://www.r-project.org/>  To install R Studio:  <https://www.rstudio.com/products/rstudio/#Desktop>  To learn more about R Markdowns:  <https://rmarkdown.rstudio.com/lesson-1.html>  RStudio’s Markdown cheat sheet:  <https://www.rstudio.com/wp-content/uploads/2015/02/rmarkdown-cheatsheet.pdf>  RStudio’s data import (*readr*) cheat sheet:  Why you should use *readr* instead of base R import functions (see section 11.2.1):  <http://r4ds.had.co.nz/data-import.html> |
| *Workshop 2* | To learn more about packages and how you can use them: <https://www.datacamp.com/community/tutorials/r-packages-guide>  To learn more about *tidyverse* and its packages: <https://www.tidyverse.org/packages/>  To learn more about using *dplyr* for data manipulation: <http://r4ds.had.co.nz/transform.html>  <http://stcorp.nl/R_course/tutorial_dplyr.html>  RStudio’s data transformation (*dplyr*) cheat sheet:  <https://ugoproto.github.io/ugo_r_doc/dplyr.pdf> |
| *Workshop 3* | RStudio’s data visualization (*ggplot2*) cheat sheet:  A helpful resource for making graphs with *ggplot2*:  <http://www.cookbook-r.com/Graphs/> |
| *Other useful resources* | An open-access online book for learning R—*R for Data Science*:  <http://r4ds.had.co.nz/index.html>  Other resources for learning R:   * [*RStudio Webinars*](https://www.rstudio.com/resources/webinars/). * [*swirl*](https://swirlstats.com/). In the *swirl* people’s own words: “Learn R, in R.” * [*The Beginner’s Guide to R*](https://www.computerworld.com/article/2497143/business-intelligence/business-intelligence-beginner-s-guide-to-r-introduction.html). This 30-page guide by Computerworld Magazine provides an introduction to R, including how to install R, load data, run analyses, make graphs, and more. * Use online courses to learn R, such as [DataCamp](https://www.datacamp.com/courses/free-introduction-to-r?utm_source=adwords_ppc&utm_campaignid=805200711&utm_adgroupid=42045039256&utm_device=c&utm_keyword=%2Bdatacamp%20%2Br&utm_matchtype=b&utm_network=g&utm_adpostion=1t1&utm_creative=191102095622&utm_targetid=aud-334851567295:kwd-424141783896&utm_loc_interest_ms=&utm_loc_physical_ms=9060033&gclid=CjwKCAjwq57cBRBYEiwAdpx0vaiBn0V-vak4zn0qs-OhpFrY8JcA_vREKlDw9znSpl9p1utd2tzSgBoCIxgQAvD_BwE), [Udemy](https://www.udemy.com/courses/search/?src=ukw&q=R), [Coursera](https://www.coursera.org/courses?query=R). Though these courses don’t always come free, they provide a lot of instruction and resources, and often have multiple courses available for learning different skills in R. * [*Online learning resources*](https://www.rstudio.com/online-learning/) *from RStudio*.   For asking questions about R:   * [*Stackoverflow*](http://stackoverflow.com/). * [*R-bloggers*](https://www.r-bloggers.com/). * [*Quick-R—statmethods.net*](https://www.statmethods.net/).   Quick list of useful R functions:  <https://support.rstudio.com/hc/en-us/articles/201057987-Quick-list-of-useful-R-packages>  To practice good habits when coding in R:  <http://adv-r.had.co.nz/Style.html>.  Practicing good habits will help keep your files organized and minimize errors. |