Welcome to Stats Central’s Intro R short course.

**Feedback**

Your feedback would be much appreciated. [Click here](https://forms.gle/R6BtnL7MpxbCG5ZUA)

**Lessons and challenges**

This site will be available for a limited amount of time, so I recommend that you download and save all the lessons.

* [1 — Basics of interacting with R](https://unsw-edu-au.github.io/SC_IntroR/Lessons/basics.html)
* [2 — Importing data](https://unsw-edu-au.github.io/SC_IntroR/Lessons/importing_data.html)
* [3 — Packages and the tidyverse](https://unsw-edu-au.github.io/SC_IntroR/Lessons/tidyverse.html)
* [4 — Plotting in R with ggplot2](https://unsw-edu-au.github.io/SC_IntroR/Lessons/ggplot2Intro.html)
* [5 — Subsetting and summarising data with dplyr](https://unsw-edu-au.github.io/SC_IntroR/Lessons/dplyrIntro.html)

**Challenge solutions (available at the end of the day)**

* [1 — Basics of interacting with R](https://unsw-edu-au.github.io/SC_IntroR/Lessons/basics_sol.html)
* [2 — Importing data](https://unsw-edu-au.github.io/SC_IntroR/Lessons/importing_data_sol.html)
* [3 — Packages and the tidyverse](https://unsw-edu-au.github.io/SC_IntroR/Lessons/tidyverse_sol.html)
* [4 — Plotting in R with ggplot2](https://unsw-edu-au.github.io/SC_IntroR/Lessons/ggplot2Intro_sol.html)
* [5 — Subsetting and summarising data with dplyr](https://unsw-edu-au.github.io/SC_IntroR/Lessons/dplyrIntro_sol.html)

**Resources**

**tidyverse**

Lots more about the tidyverse is available in the free online [R for Data Science](https://r4ds.had.co.nz/) by Hadley Wickham.

**dplyr**

dplyr has heaps more functionality than what we’ve covered. Two other major things that can be done with dplyr are

* [Reshaping data](https://cengel.github.io/R-data-wrangling/tidyr.html)
* [Combining datasets](https://rpubs.com/williamsurles/293454)

A good place to find out more about dplyr is the [cheatsheet](https://rstudio.com/wp-content/uploads/2015/02/data-wrangling-cheatsheet.pdf) and the [vignette](https://cran.r-project.org/web/packages/dplyr/vignettes/dplyr.html).

**ggplot2**

We have covered the basic functionality of ggplot2, but there are lots of bells and whistles available. A good place to find out more about is the [cheatsheet](https://rstudio.com/wp-content/uploads/2016/11/ggplot2-cheatsheet-2.1.pdf). Also, have a look at the extensive [R graph gallery](https://www.r-graph-gallery.com/) for code for every possible plot you can imagine.