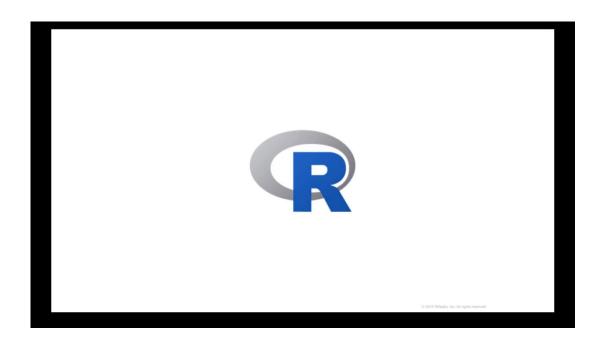
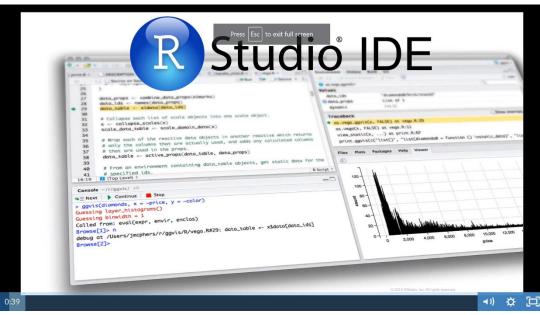
What is the difference between R and Rstudio IDE?





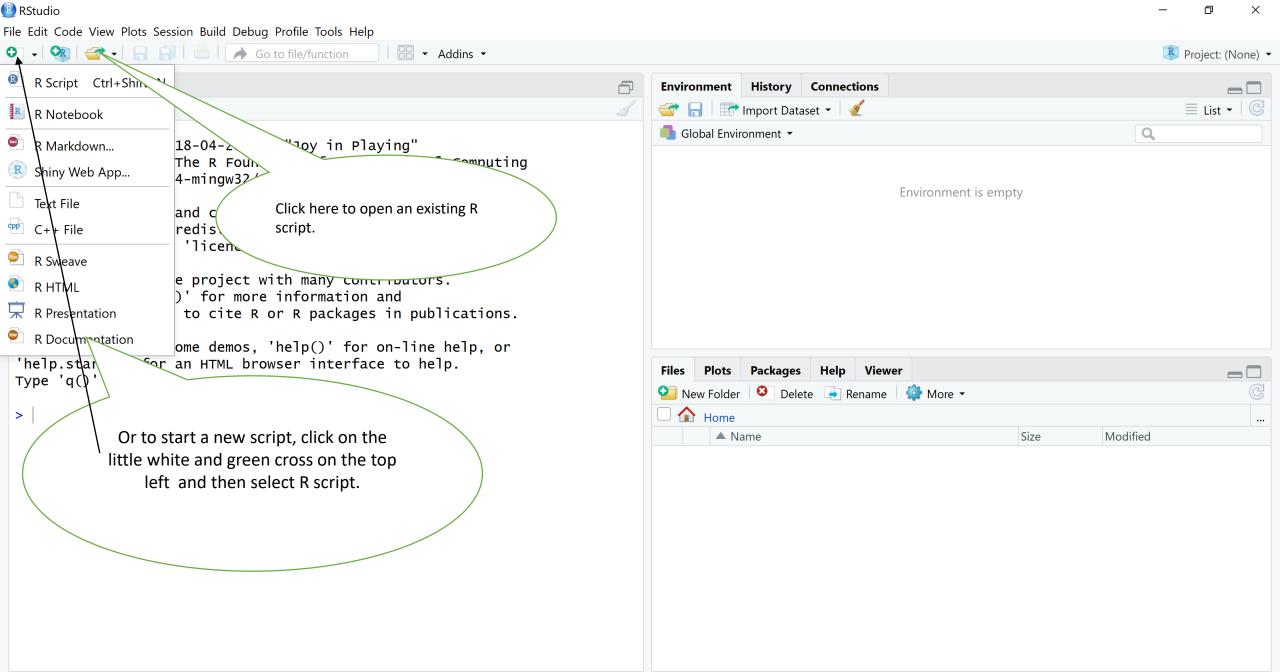
R is a computer language, which you have already learned how to use.

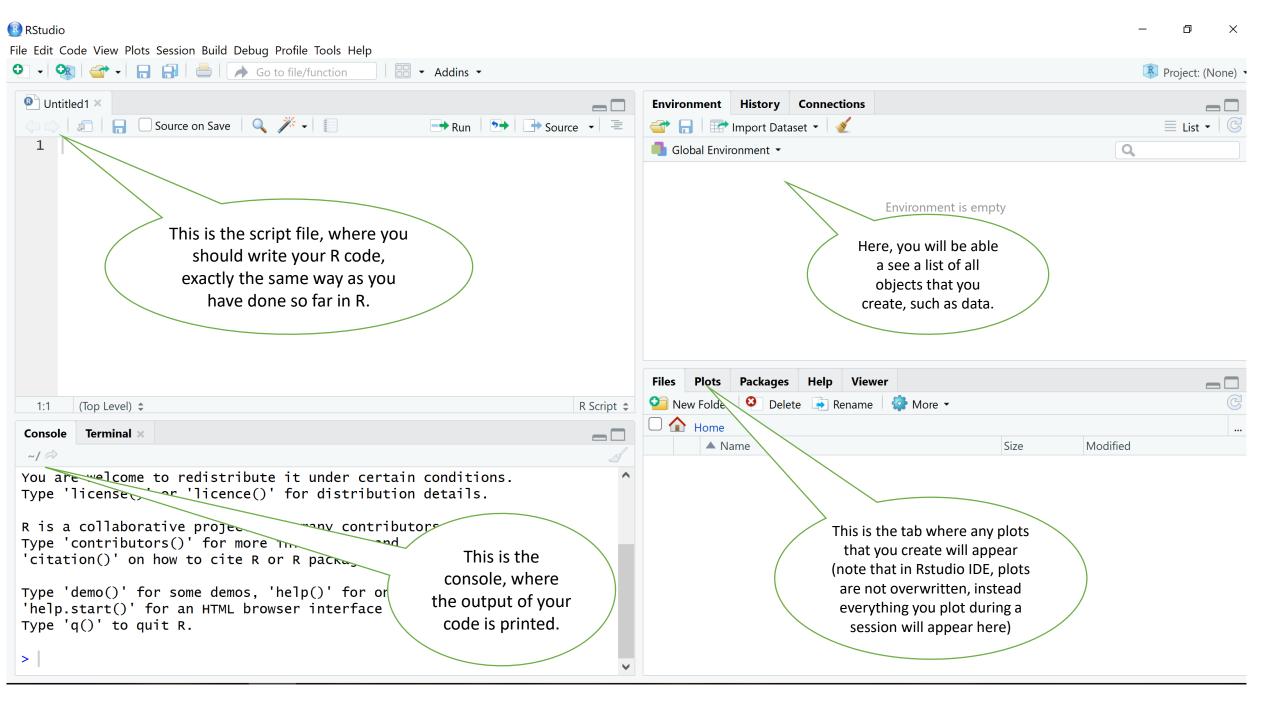
R studio IDE is essentially an editor for R, which can help you use R more efficiently.

Getting started

Creating a new script, opening an existing script, understanding editor layout

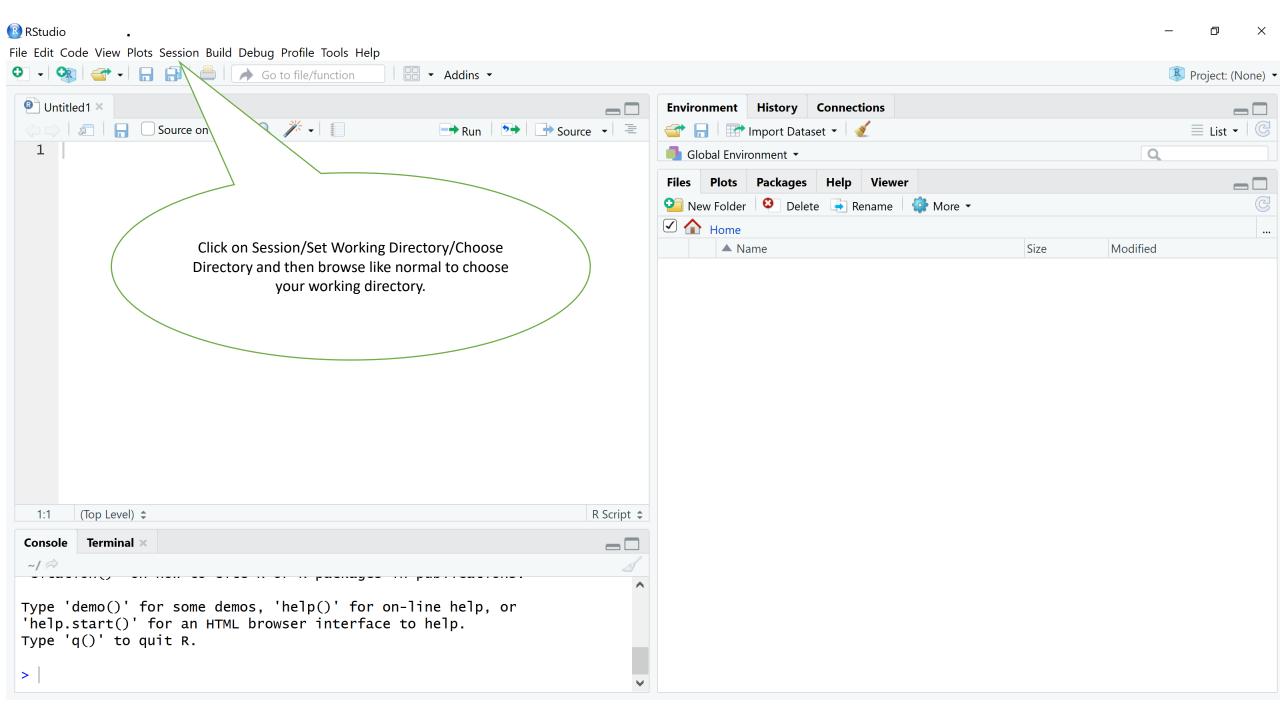
When you first open up **Rstudio IDE**, it looks like this.

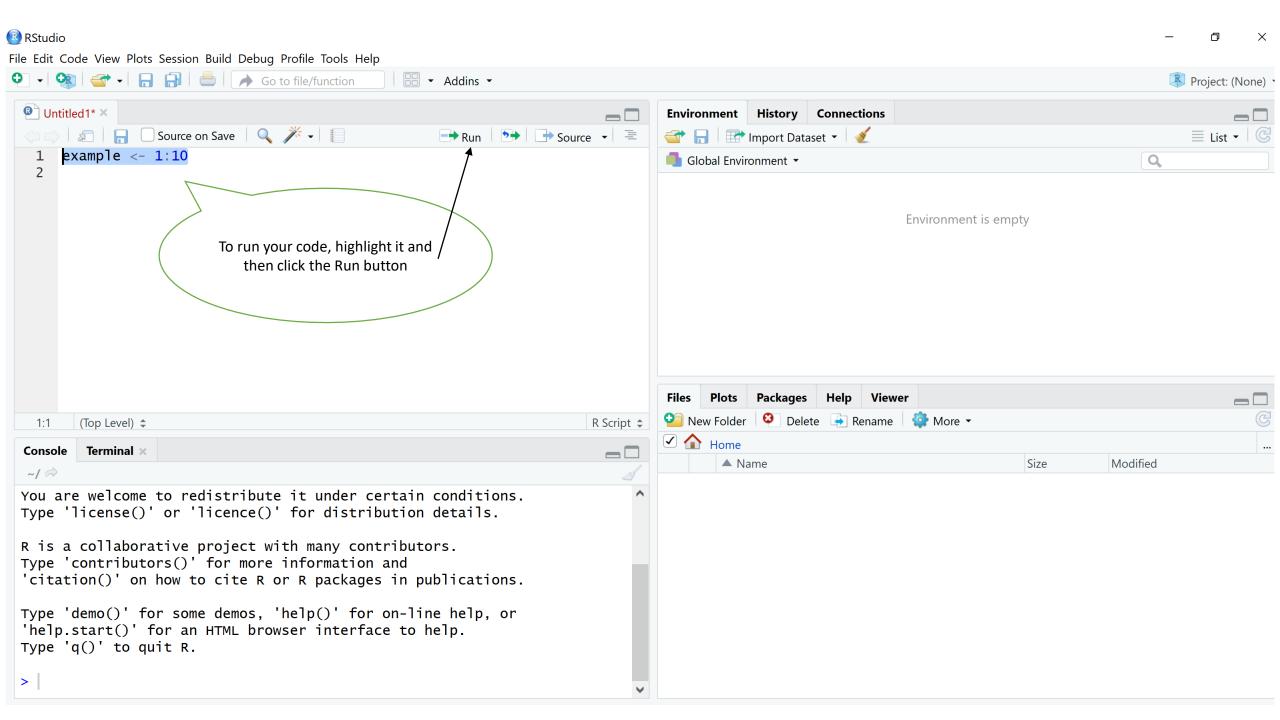


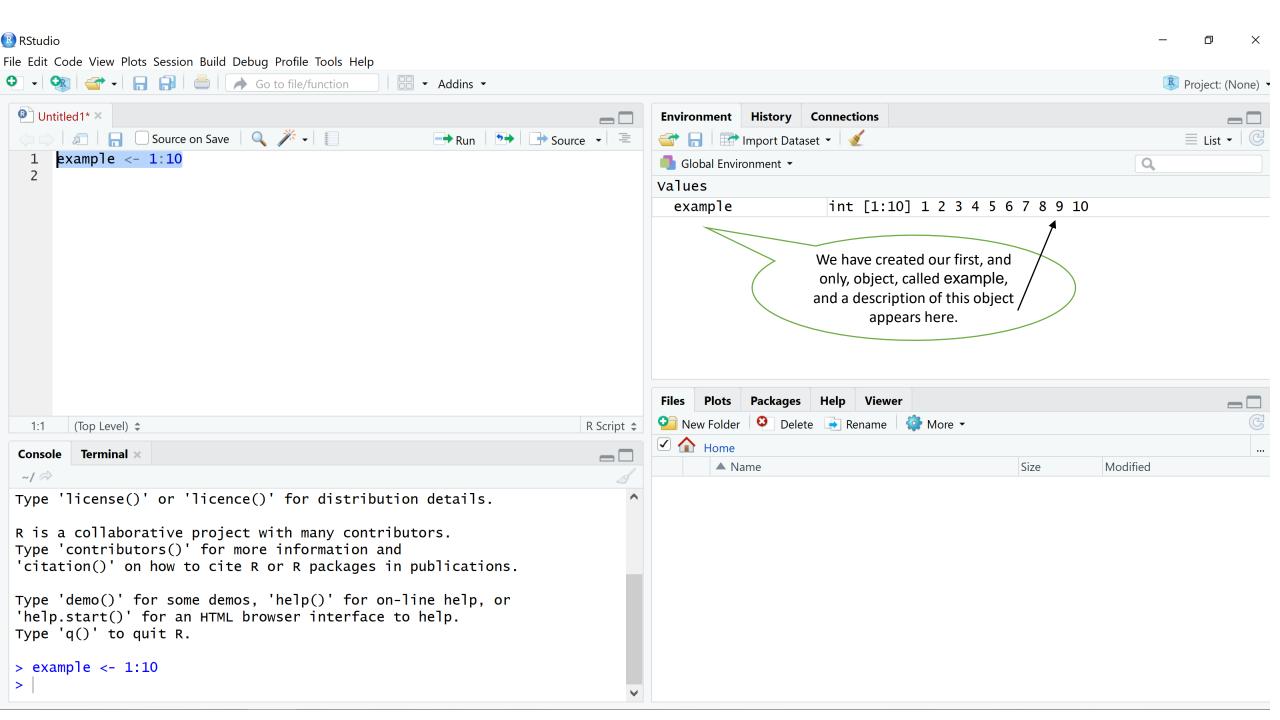


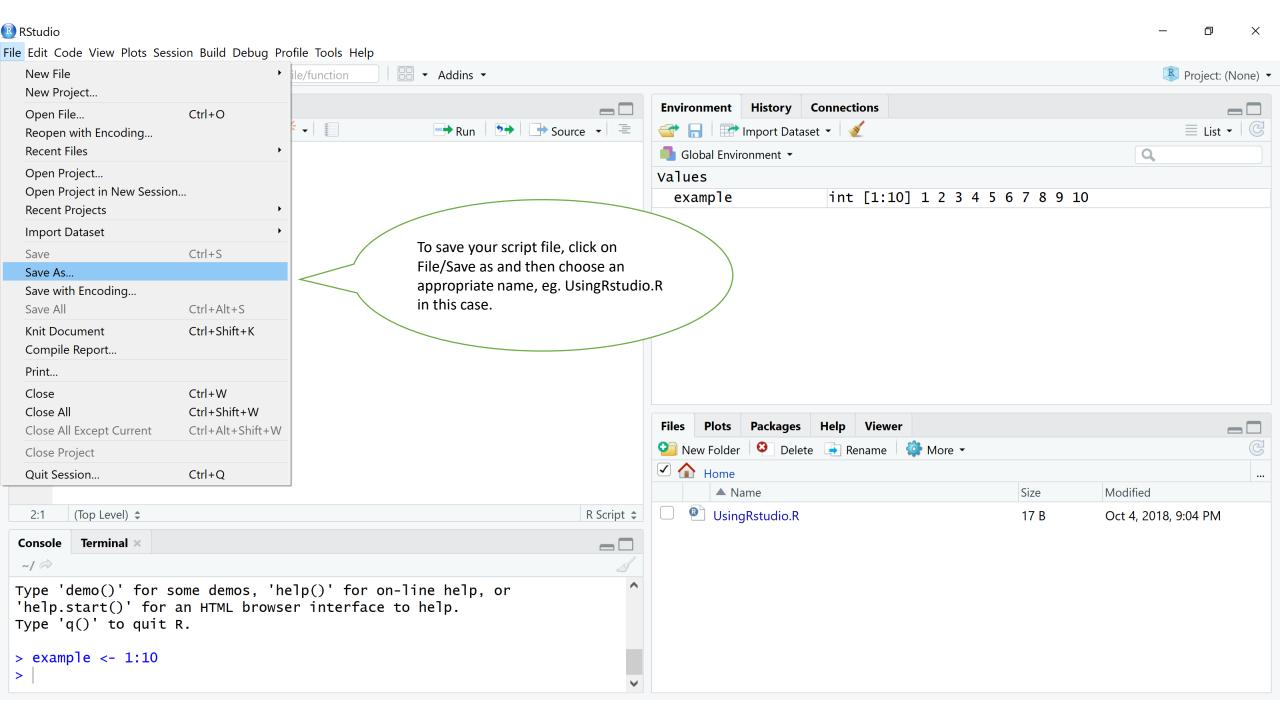
The basics

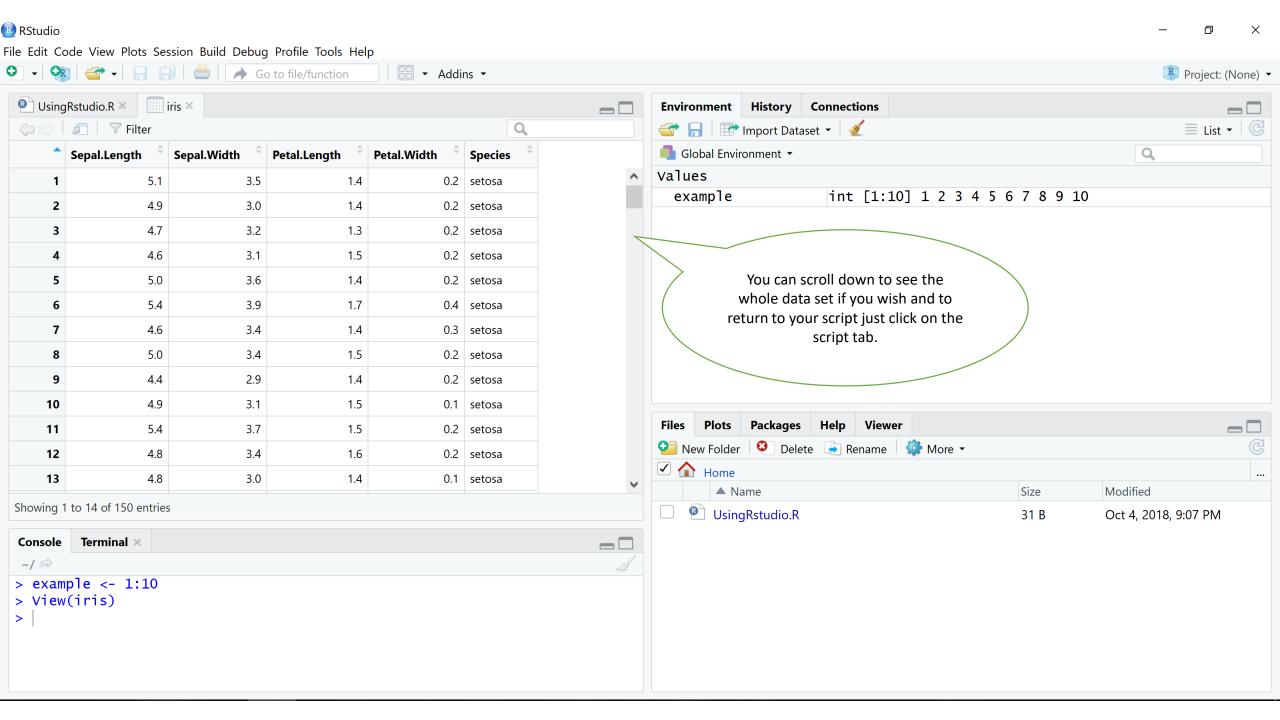
Setting your working directory, running code, saving the R script, viewing data





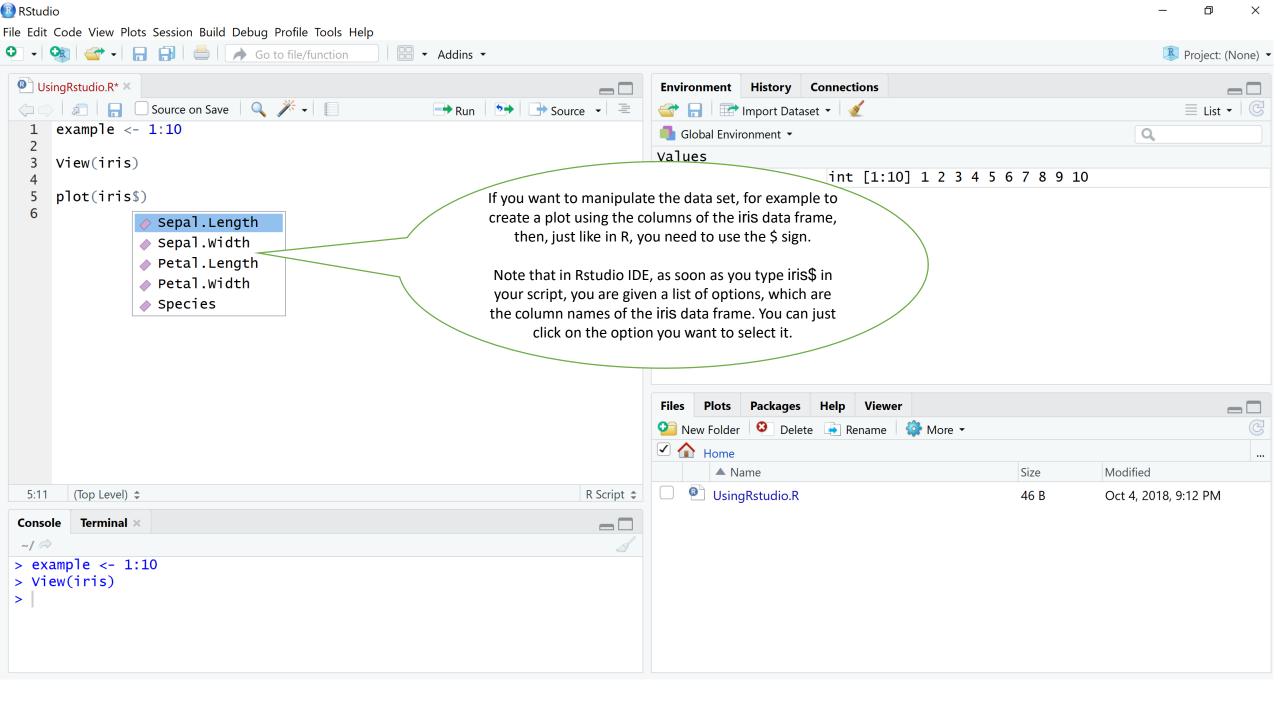


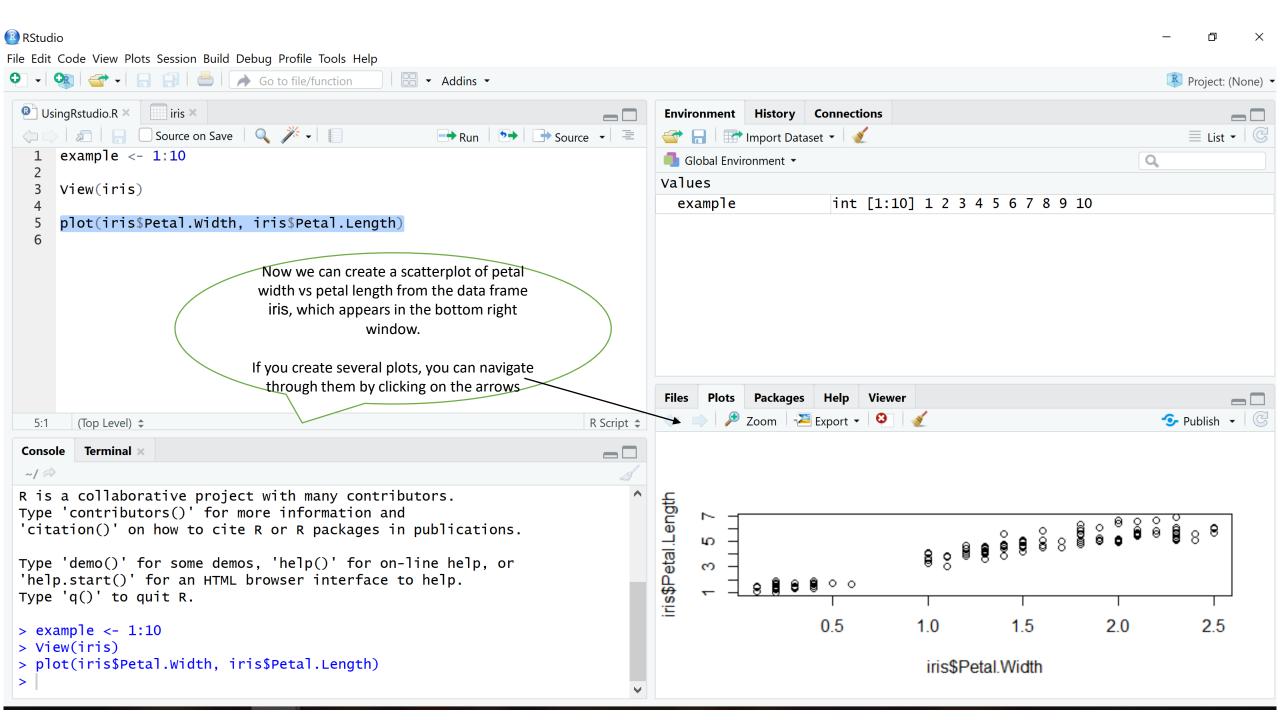


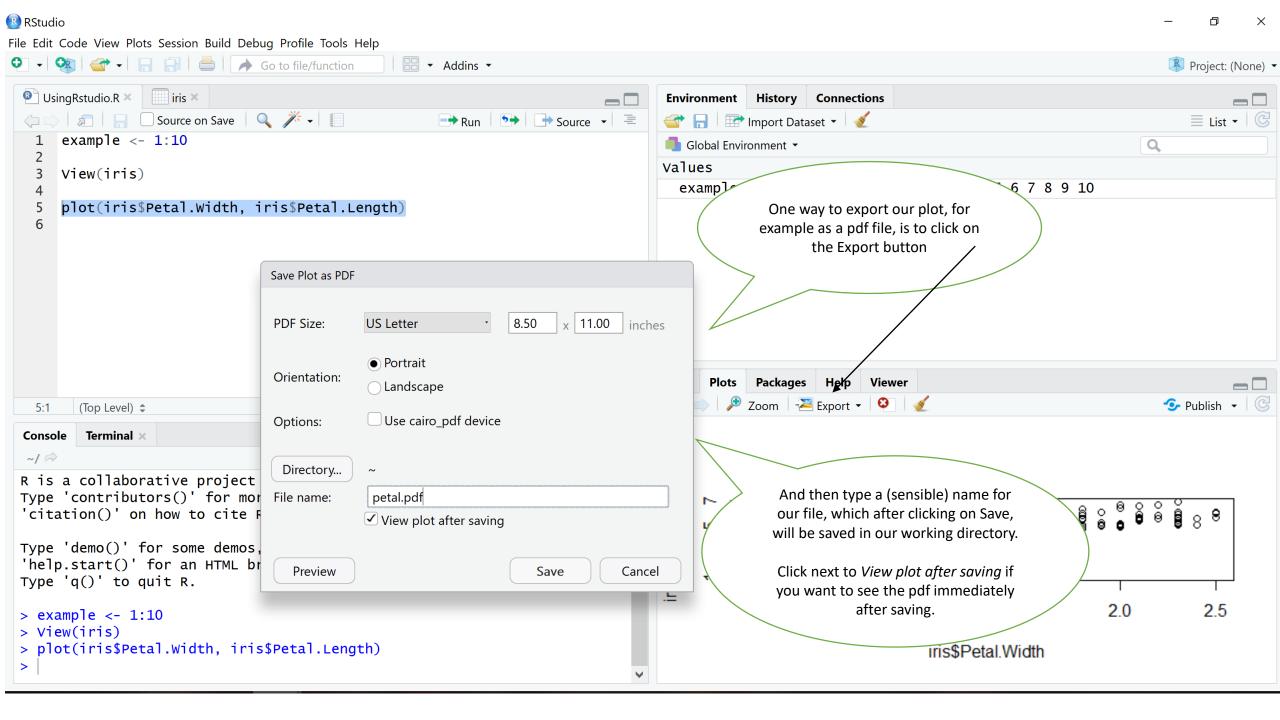


Plots

Creating plots, saving them as pdf files

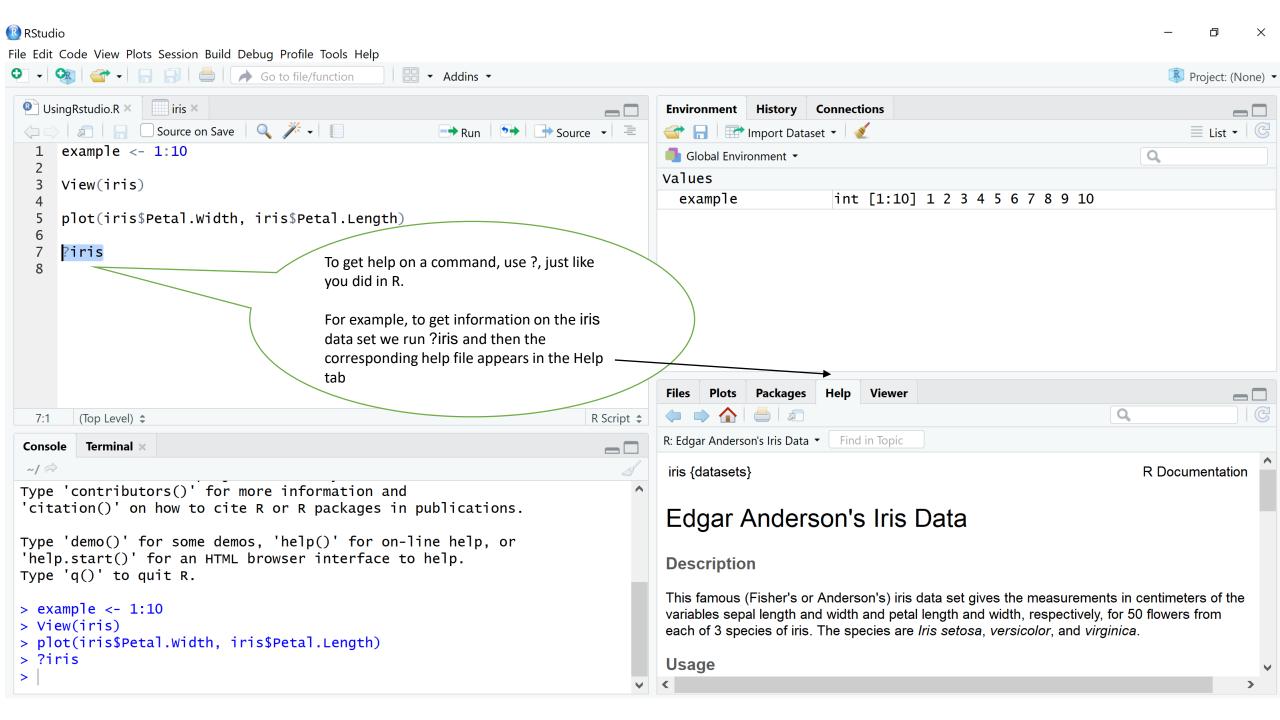






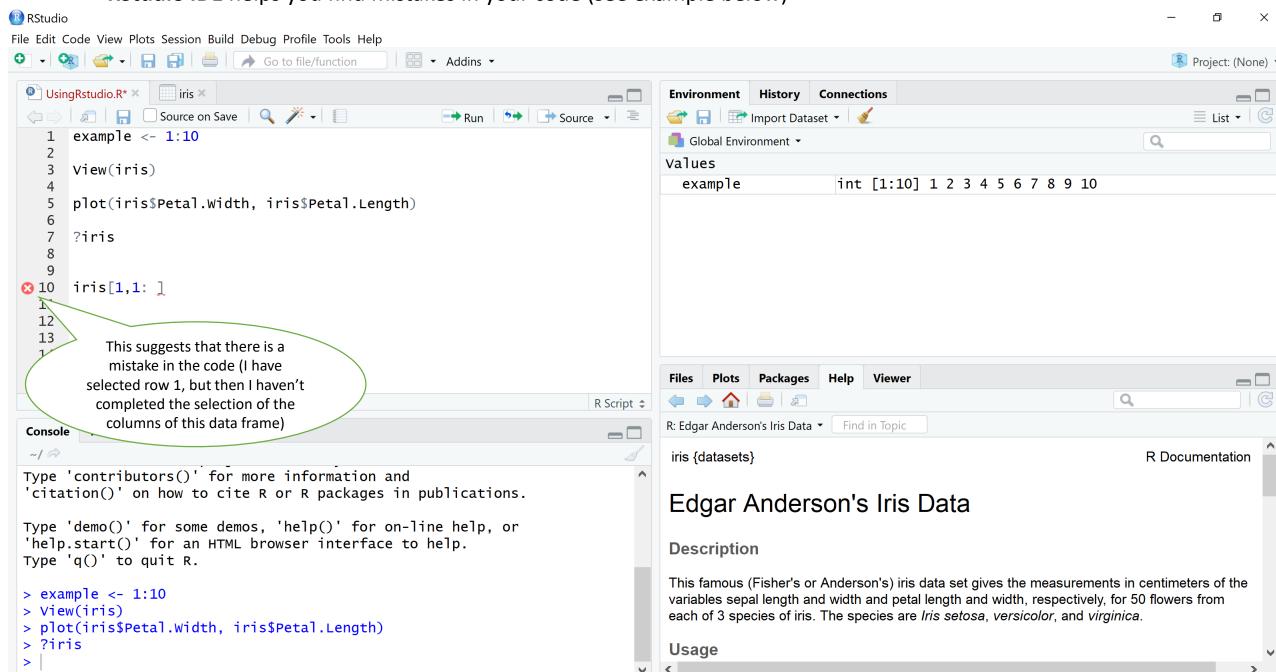
Useful features

Getting help, seeing function arguments, finding mistakes in the code



📵 RStudio File Edit Code View Plots Session Build Debug Profile Tools Help ■ • Addins • Project: (None) ▼ UsingRstudio.R* iris **Environment History Connections** Source on Save
Source
Sour Run Source - = List ▼ | C Import Dataset ▼ example <- 1:10 ■ Global Environment ▼ Q **Values** View(iris) example int [1:10] 1 2 3 4 5 6 7 8 9 10 plot(iris\$Petal.Width, iris\$Petal.Length) ?iris As soon as you start typing a command, a wri list of options appears, and then when you write(x, file = "data", ncolumns = if write hover over an option, you get a short (is.character(x)) 1 else 5, append = FALSE, sep = {utils} description of the function and its {utils} arguments. The data (usually a matrix) x are written to file file. If x is a twowrite.dcf {base} dimensional matrix you need to transpose it to get the columns in → write.ftable {stats} **Packages** Help Viewer file the same as those in the internal representation. write.socket {utils} Q Press F1 for additional help {utils} R: Edgar Anderson's Iris Data 🔻 Find in Topic Consol → writeBin {base} iris {datasets} R Documentation Type 'contributors()' for more information and 'citation()' on how to cite R or R packages in publications. Edgar Anderson's Iris Data Type 'demo()' for some demos, 'help()' for on-line help, or 'help.start()' for an HTML browser interface to help. **Description** Type 'q()' to quit R. This famous (Fisher's or Anderson's) iris data set gives the measurements in centimeters of the > example <- 1:10 variables sepal length and width and petal length and width, respectively, for 50 flowers from > View(iris) each of 3 species of iris. The species are Iris setosa, versicolor, and virginica. > plot(iris\$Petal.Width, iris\$Petal.Length) > ?iris Usage

RStudio IDE helps you find mistakes in your code (see example below)



Where can you learn more?

To learn more about all of the features of **RStudio IDE**, you can watch the series of webinars available on the Rstudio website, especially Part1, which lasts for about 30' and gives you a lot of useful information on

- command-line shortcuts, writing shortcuts and navigating shortcuts
- tab-completion
- commenting/uncommenting blocks of code
- and many more useful features.

https://www.rstudio.com/resources/webinars/rstudio-essentials-webinar-series-part-1/