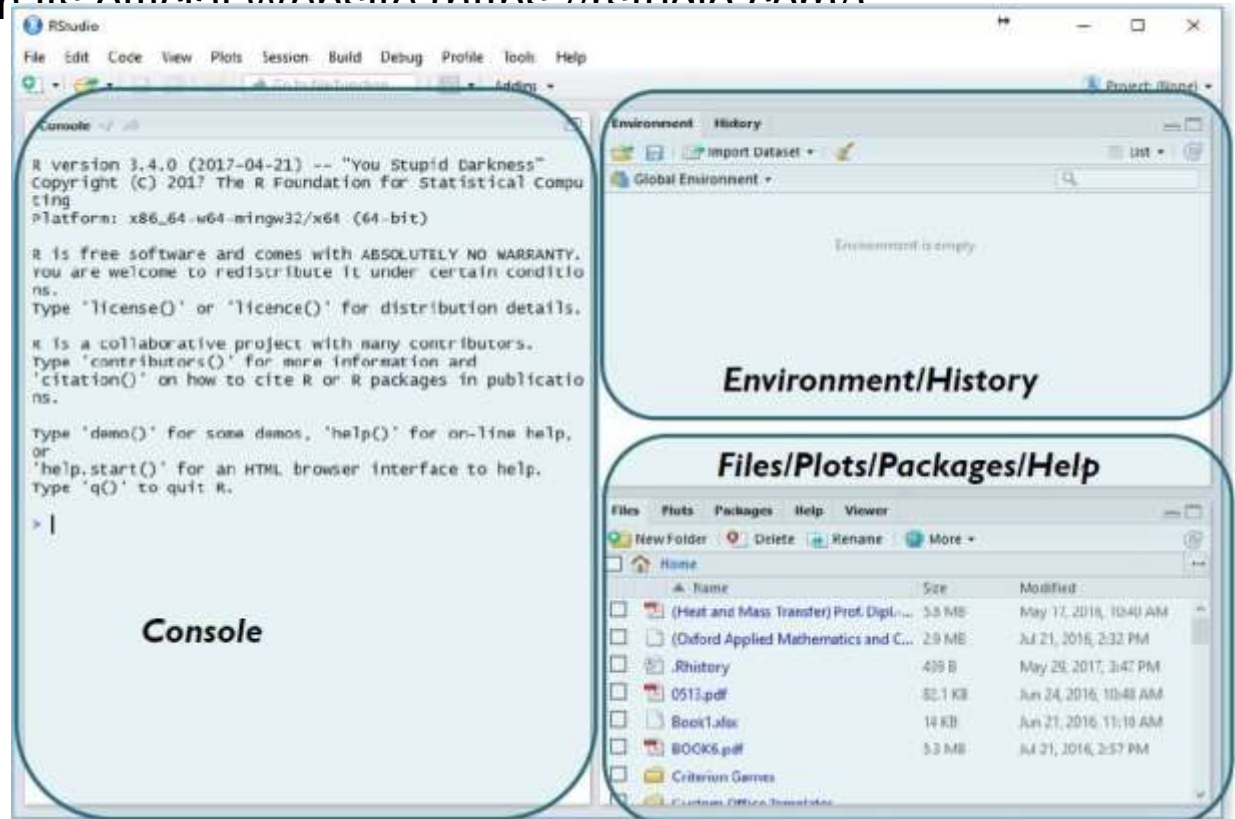


Introduction to R Studio

R Studio is an integrated development environment(IDE) for R.Rstudio is an open-source tool that provides Ide to use R language, and enterprise-ready professional software for data science teams to develop share the work with their team.

R Studio can be downloaded from its official Website (<https://rstudio.com/>)

After the installation process is over, the R Studio interface looks like:



The console panel(left panel) is the place where R is waiting for you to tell it what to do, and see the results that are generated when you type in the commands.

To the **top right**, you have the Environmental/History panel. It contains 2 tabs:

Environment tab: It shows the variables that are generated during the course of programming in a workspace that is temporary.

History tab: In this tab, you'll see all the commands that are used till now from the start of usage of R Studio.

To the **right bottom**, you have another panel, which contains multiple tabs, such as files, plots, packages, help, and viewer.

The Files tab shows the files and directories that are available within the default workspace of R.

The Plots tab shows the plots that are generated during the course of programming.

The Packages tab helps you to look at what are the packages that are already installed in the R Studio and it also gives a user interface to install new packages.

The Help tab is the most important one where you can get help from the R Documentation on the functions that are in built-in R.

The final and last tab is that the Viewer tab which can be used to see the local web content that's generated using R.

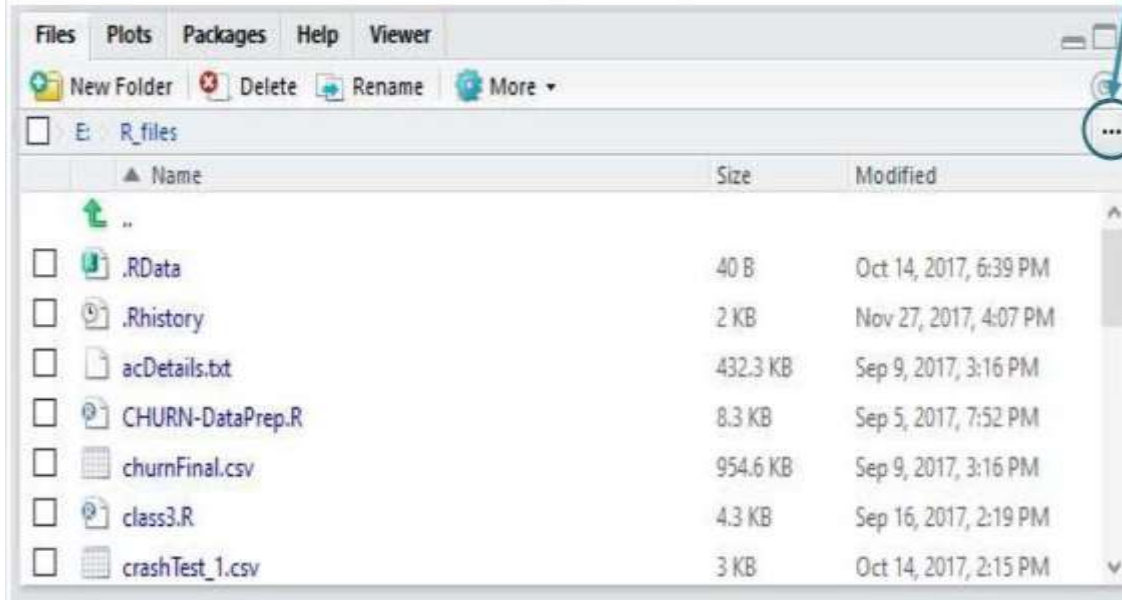
Set the working directory in R Studio

R is always pointed at a directory on our computer. We can find out which directory by running the `getwd()` function. We can set the working directory manually in two ways:

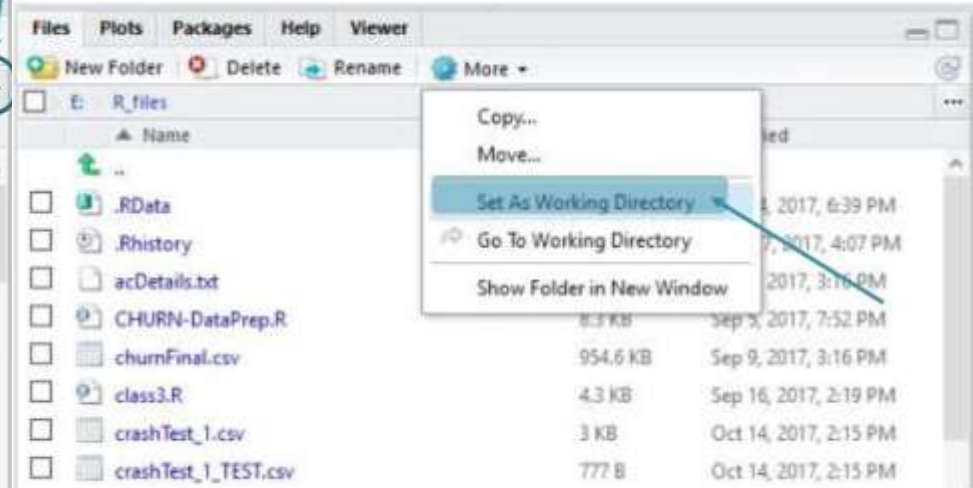
The first way is to use the console and using the command `setwd("directorypath")`.

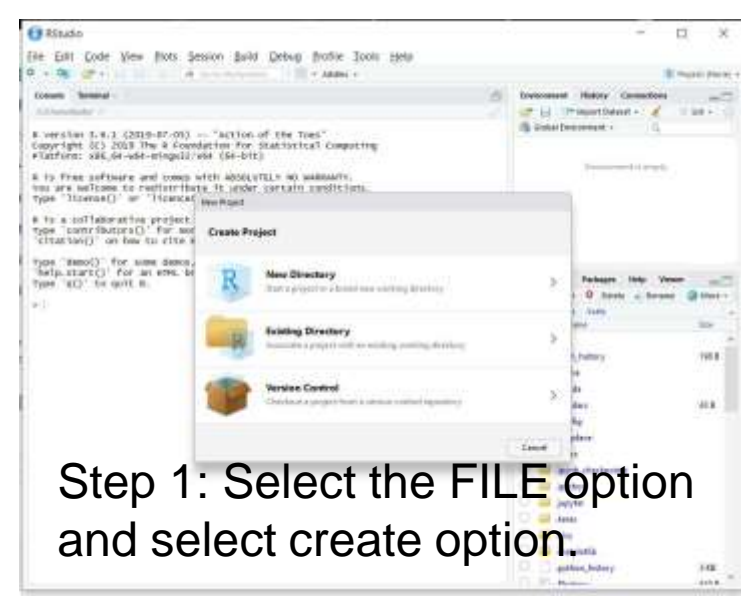
The second way is to set the working directory from the GUI.

STEP 1: Choose a suitable location by clicking on the indicated icon



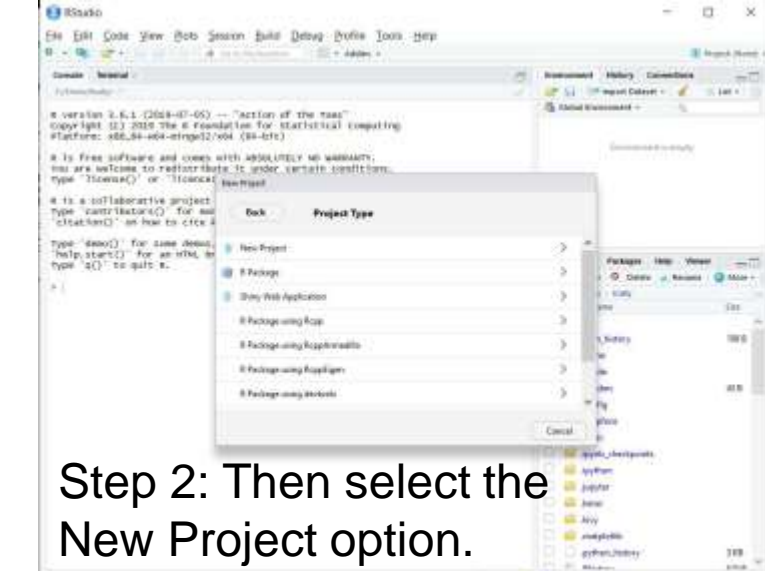
STEP 2: Once directory is chosen, select the more icon and choose "Set as Working Directory"



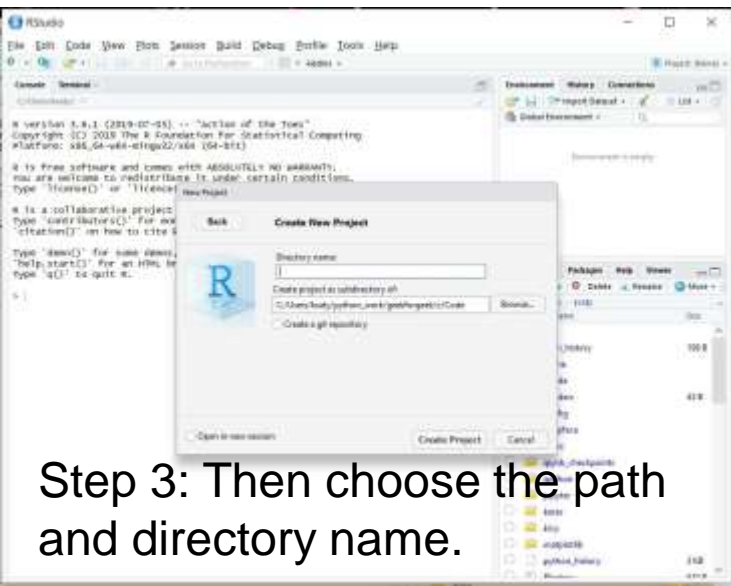


Step 1: Select the FILE option and select create option.

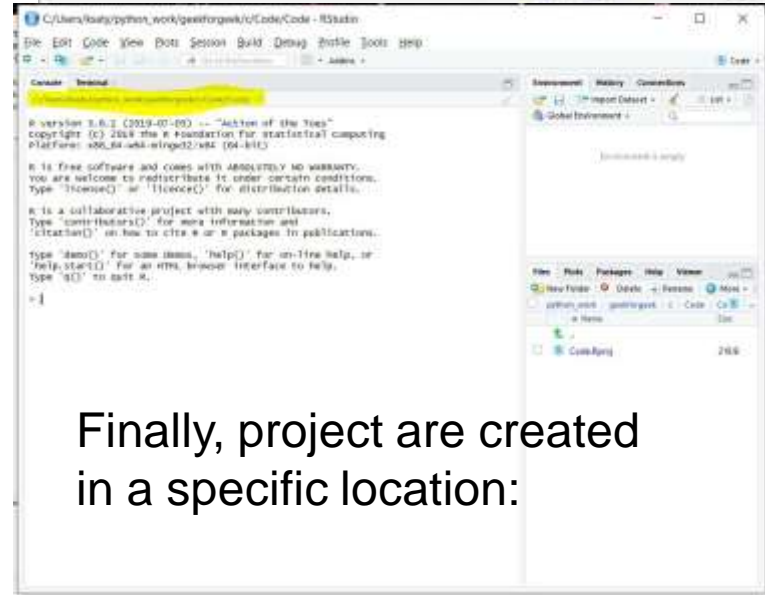
Create an RStudio project



Step 2: Then select the New Project option.



Step 3: Then choose the path and directory name.



Finally, project are created in a specific location: