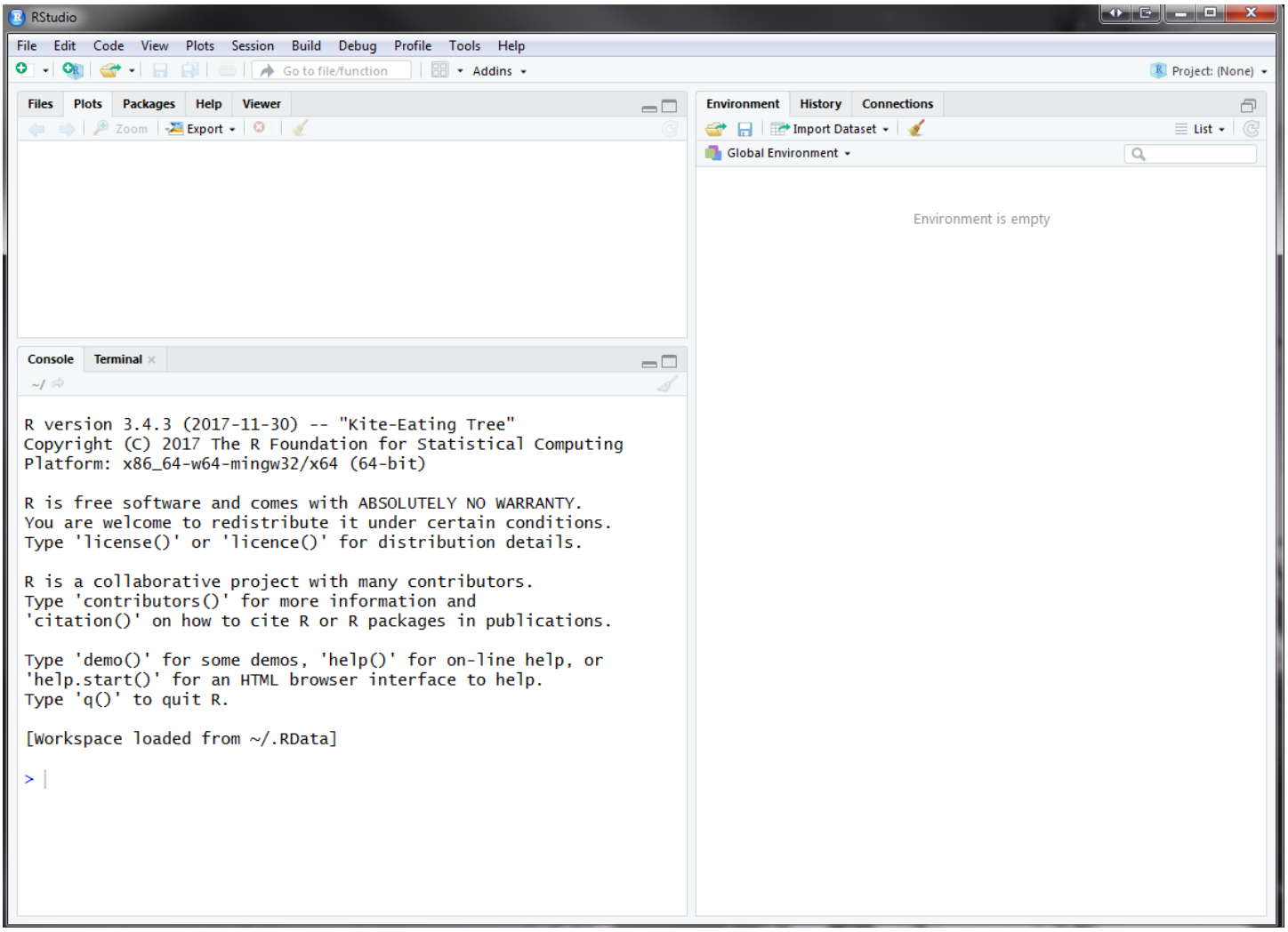
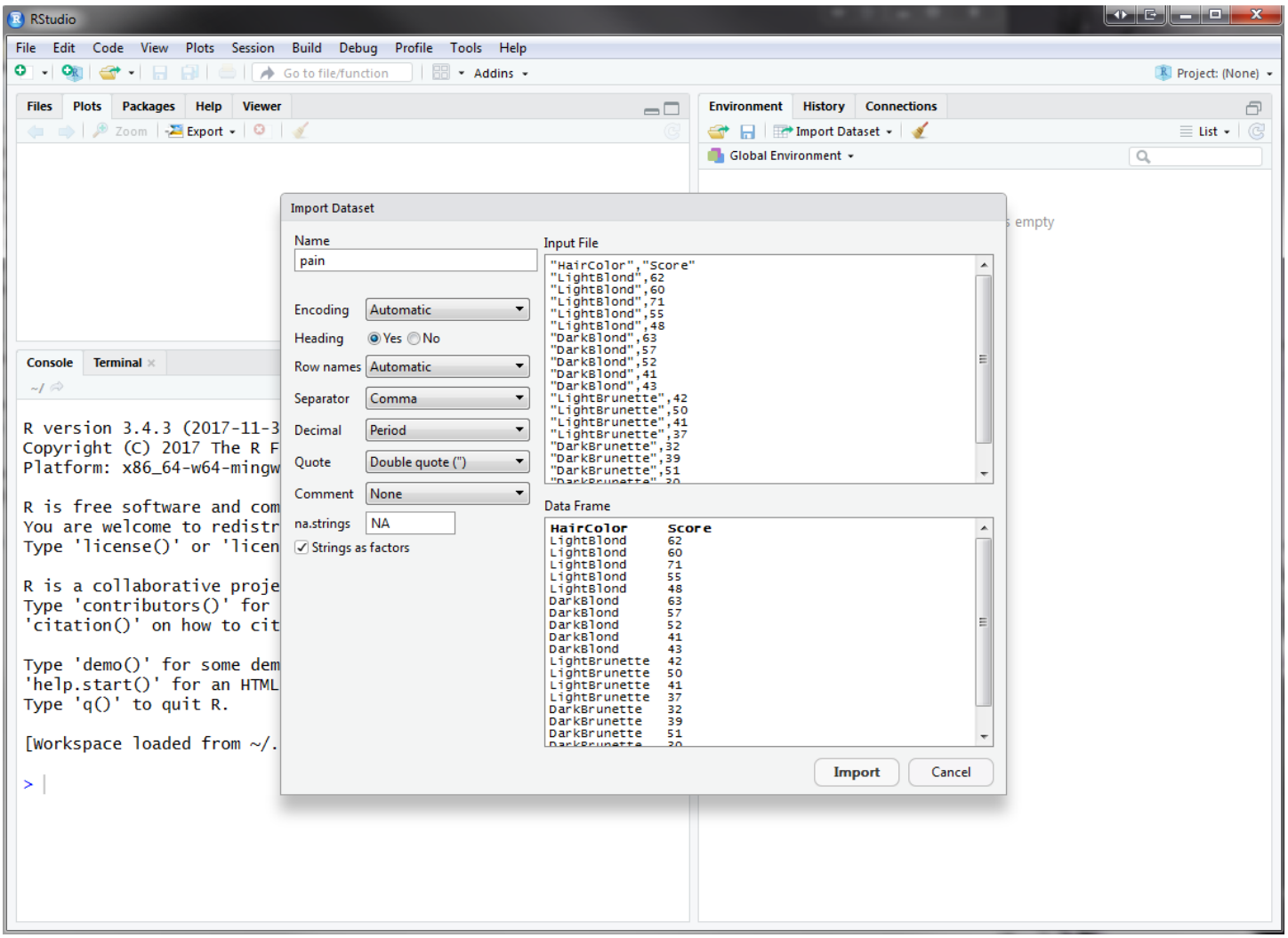
R Handout: Loading a Dataset into R

1 Loading a Dataset

Once you have installed R and R-studio, click on "File", "New File", "R Script". This will open a .R file, where you can put your code that you want to run.
You should get a similar window to below (assuming you have reordered your windows to match mine):

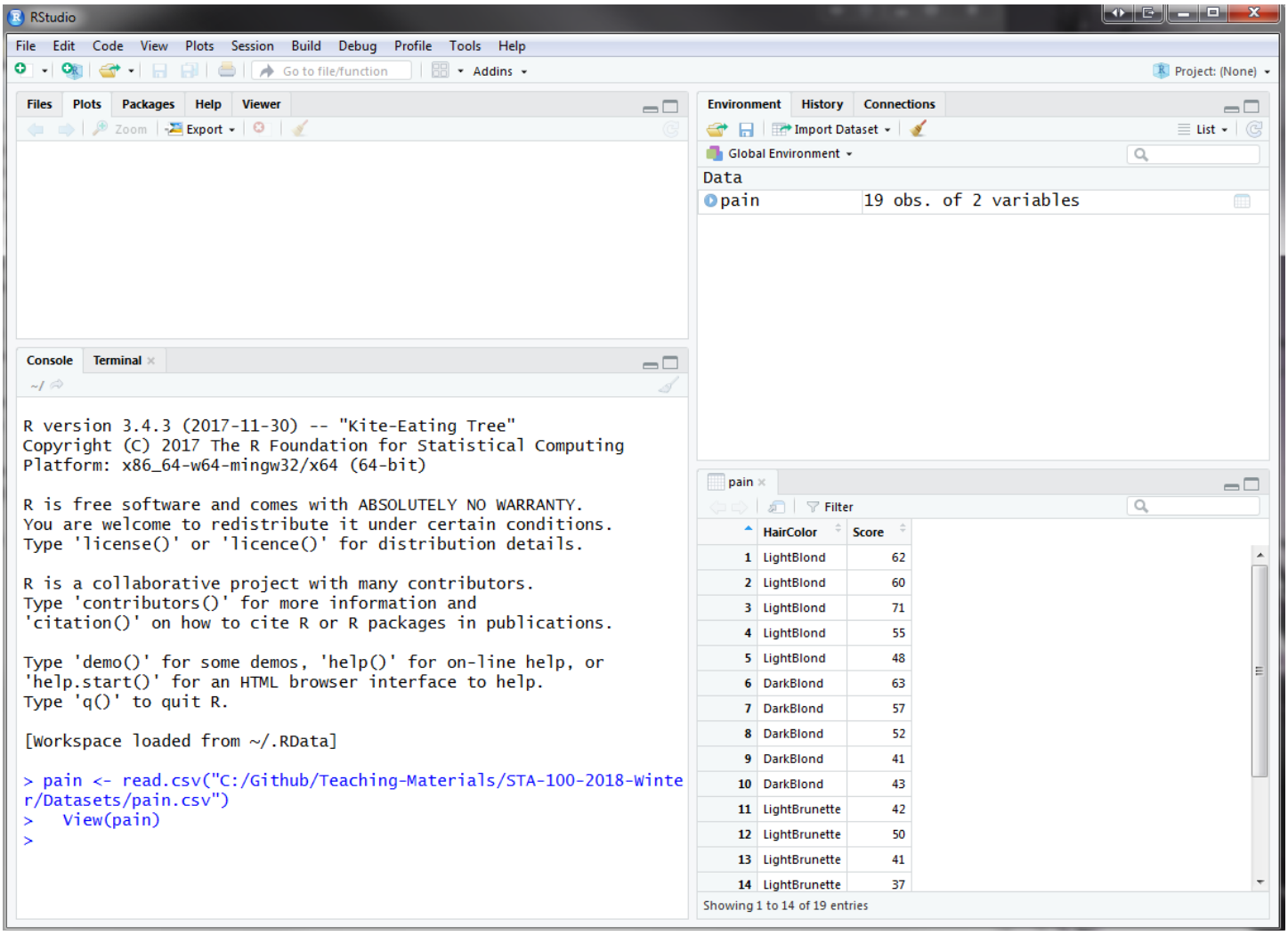


Now, click "Import Dataset" (in the environment window), and select "From Text (base)". Browse to the folder where you downloaded the dataset, select it, and then hit open. You should see something like this (the dataset will change with what file you open of course):

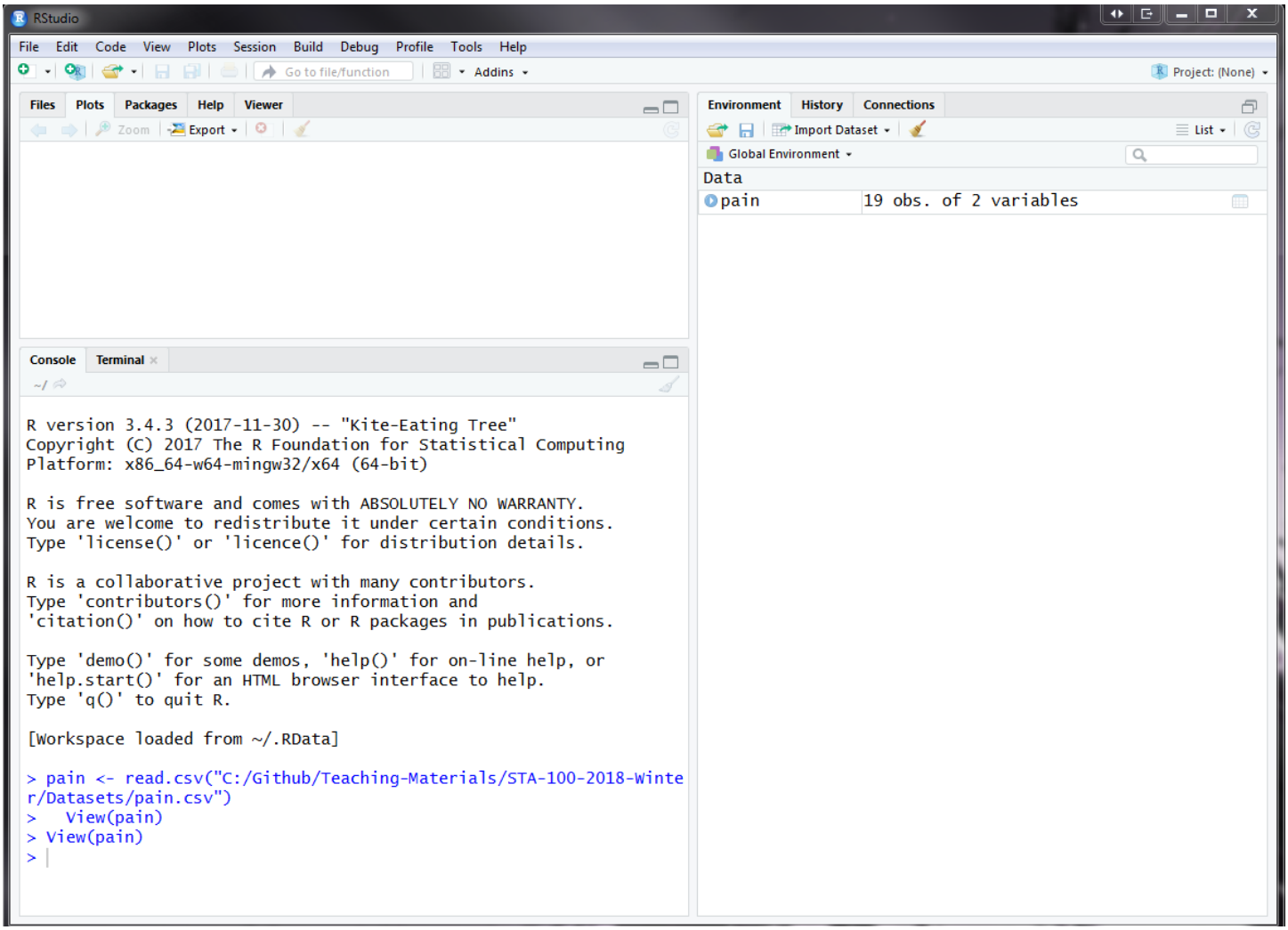


Next, hit "Import".

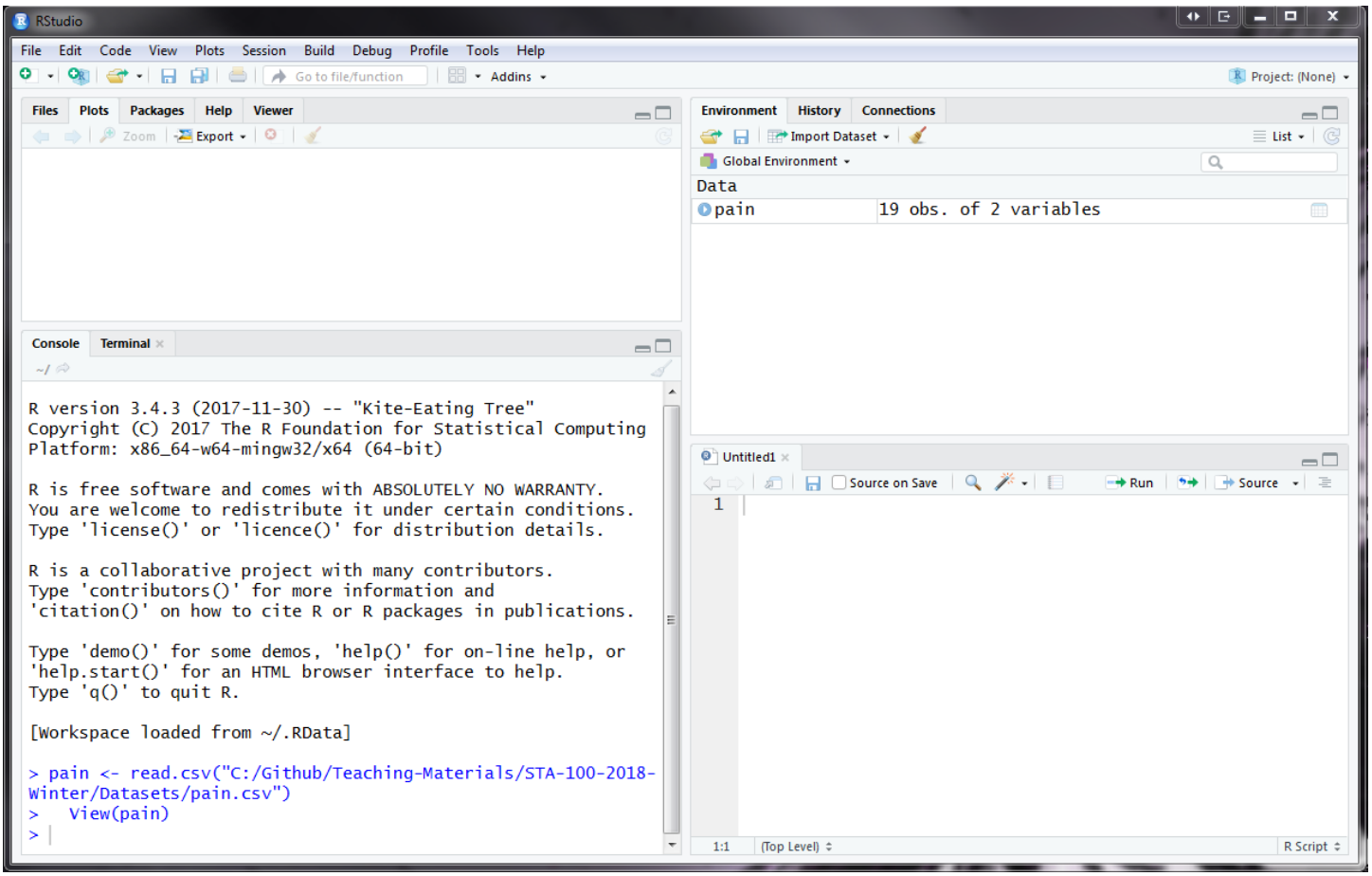
Your screen should now look something like this:



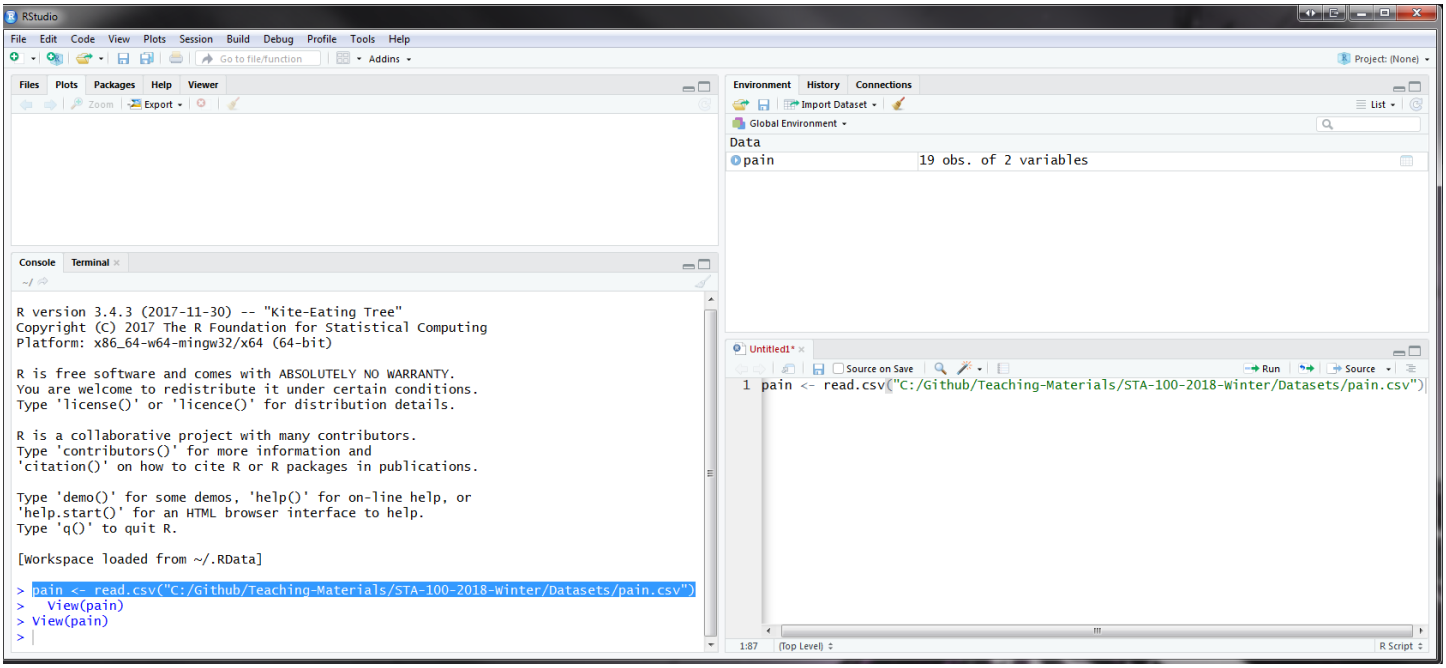
Notice this opened a tab that says "pain", or in general the name of your dataset. This simply displays the format of the data, so we may go ahead and close that by pressing the "x" button next to the name. Now your window should look like this:



Next, we want to open a new R script to copy and paste code into. To do that, click “File”, “New File”, “ R Script” Your window should now look like this:



I highly recommend copying and pasting the command R used to load the data into the R script window. This allows you to load in the data without going to the dropdown menu, and is useful if you use this code again. You want to select everything starting from the name of the dataset (in this case, `pain`) to the end of that line (be sure to remove the ">" sign):

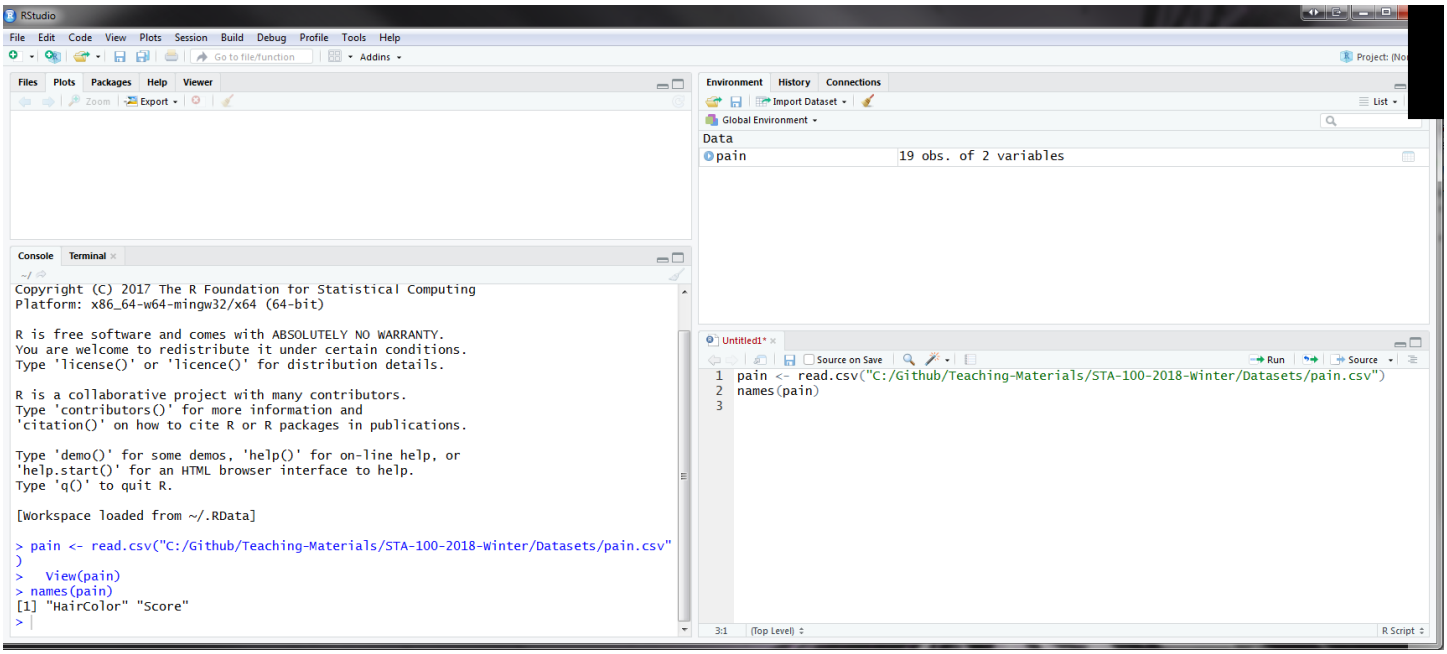


This allows you to simply copy and paste those commands next time you run R, without having to use the dropdown menu. In other words, with these two commands, the first thing that your .R file will do is **load the data**. Then we can manipulate the data within R, and put all of our code on different lines on the .R file.

To save the .R file (and all your code), either hit "Ctrl", "s" on your keyboard (and save it with whatever name you like), or click "File" and "Save" from the drop down menu.

Now, we want to put all of our commands in the .R file, on separate lines. To run a command and get the result in R, we can put our mouse on that line, and hit "Run" in the upper right hand corner, or "Crtl" and "Enter" on our keyboard.

For example, if I wanted the names of the columns (See week 1 handout for further details), my .R file and console (after I have run the command) would look like:



Please see the weekly handouts to learn new commands.