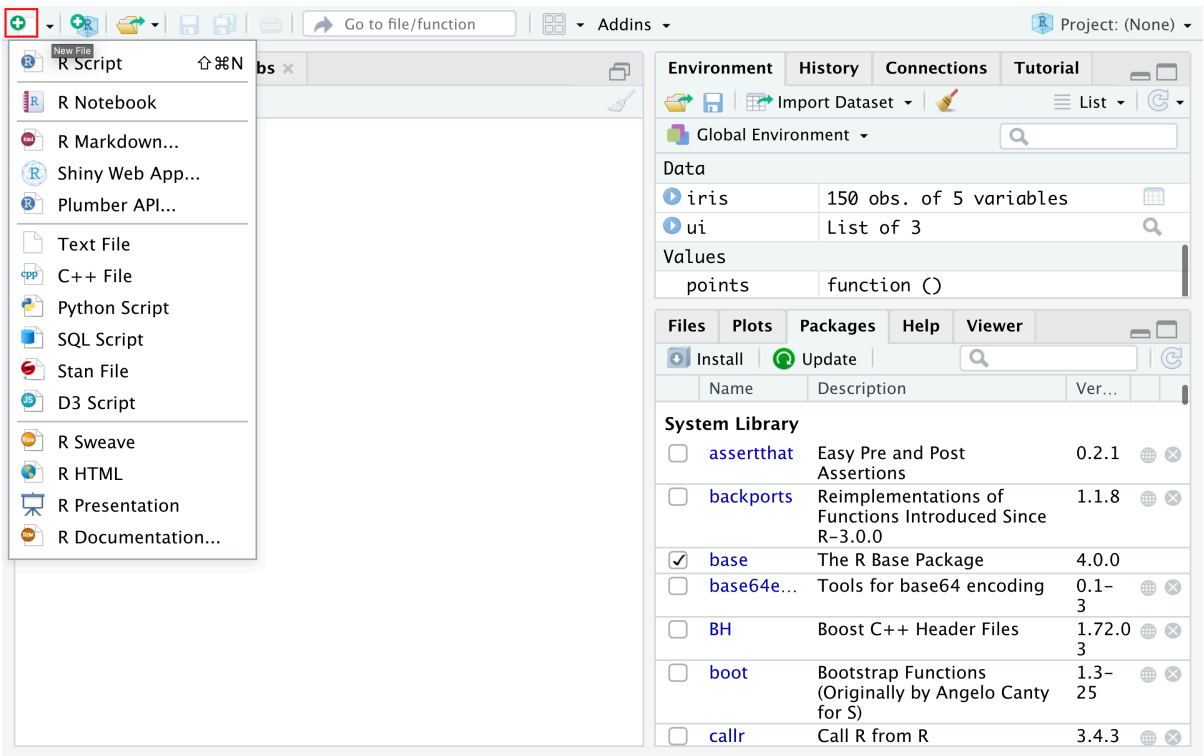# Getting started with RStudio and Installing packages
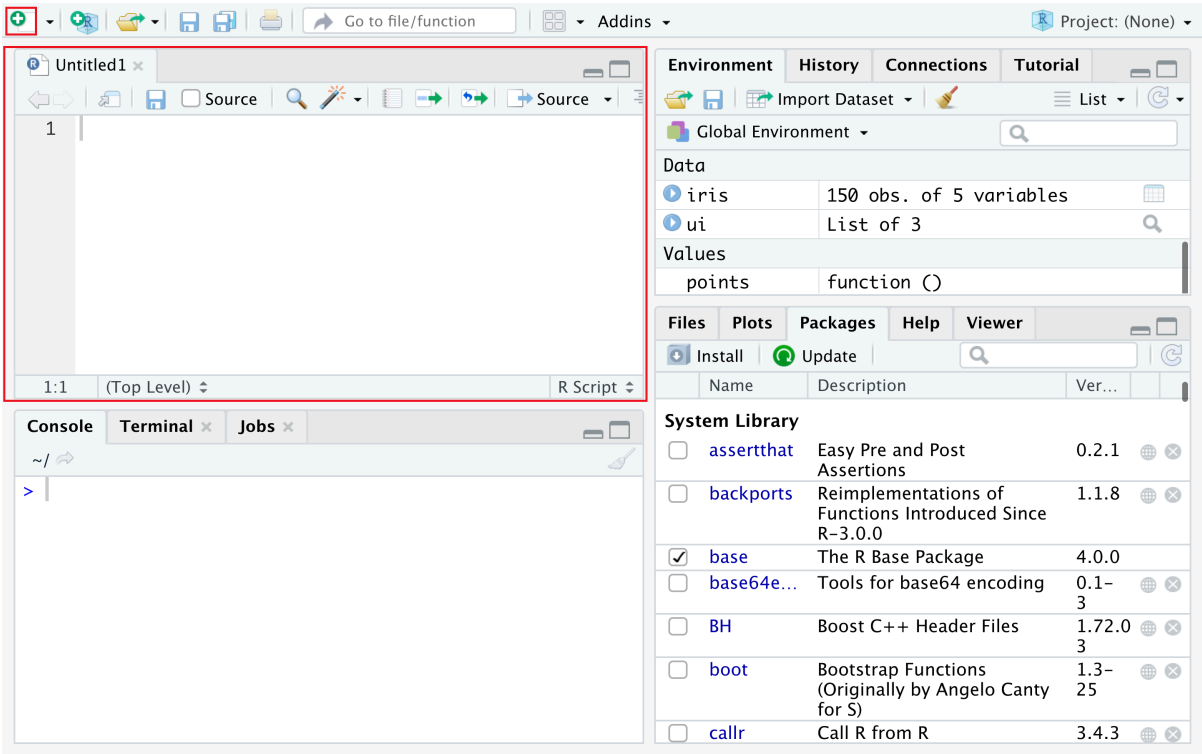
Objectives of Exercise:

After completing this lab, you will be able to:

- Load the datasets
- Install libraries

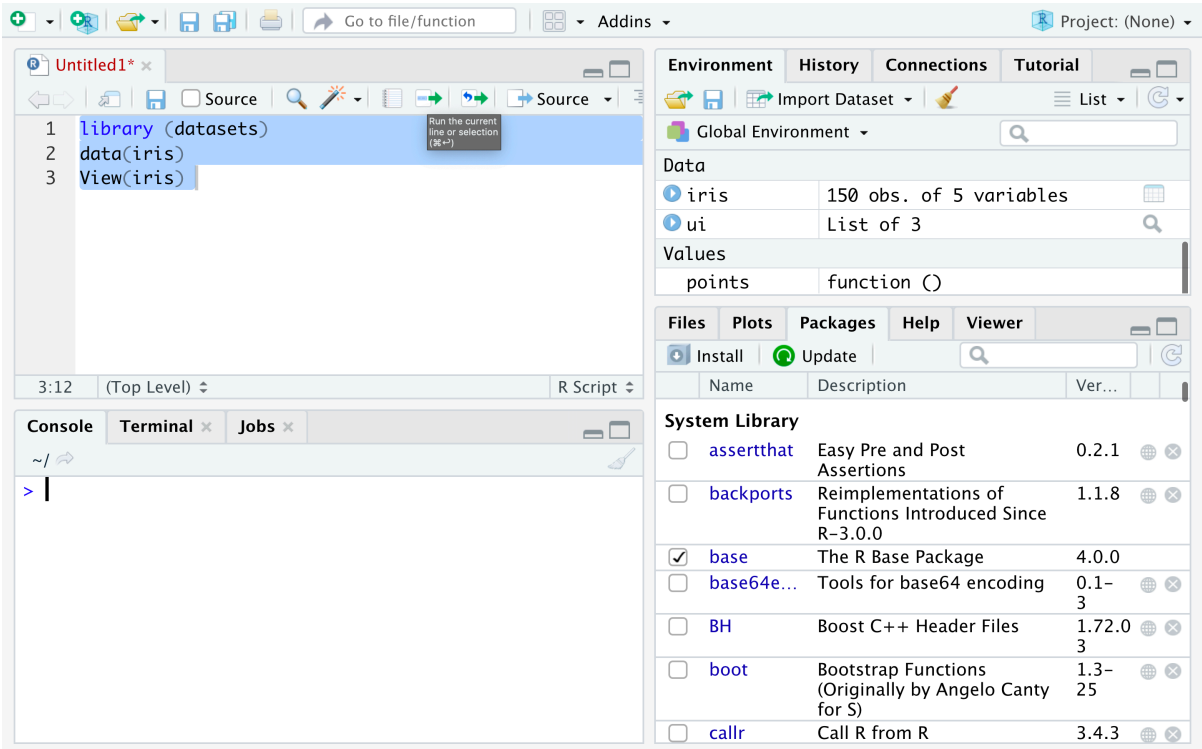**Step 1** - Click the `plus` symbol on the top left and click `R Script`.

An untitled R Script panel opens. It would look like this.

Step 2 - Now you load the iris dataset. Enter the following lines into the editor window that appears. Then select all the text, and click `Run` just above the editor window.

1. 1
2. 2
3. 3

1. library (datasets)
2. data(iris)
3. View(iris)

Copied!

Step 3 - You are taken to the data view tab to inspect your dataset. The dataset contains five columns and the first four are floating point type while the last column is a label of data type string which contains the category value. You can see there are total 150 entries of which you can see the first 7.

Step 4 - Now you can find the different species present in the data set. Enter the following command in the editor window and click `Run`.

1. 1

1. unique(iris$Species)

Copied!

```
1  library(datasets)
2  data(iris)
3  View(iris)
4
5  unique(iris$Species)
6  |
```

6:1   (Top Level) ⬍   R Script ⬍

Console ~/ ⬈

```
>
>
>
> unique(iris$Species)
[1] setosa     versicolor virginica
Levels: setosa versicolor virginica
> |
```

In the Console window at the bottom you can see the result of the executed command and know that there are only three different species present in the data set.
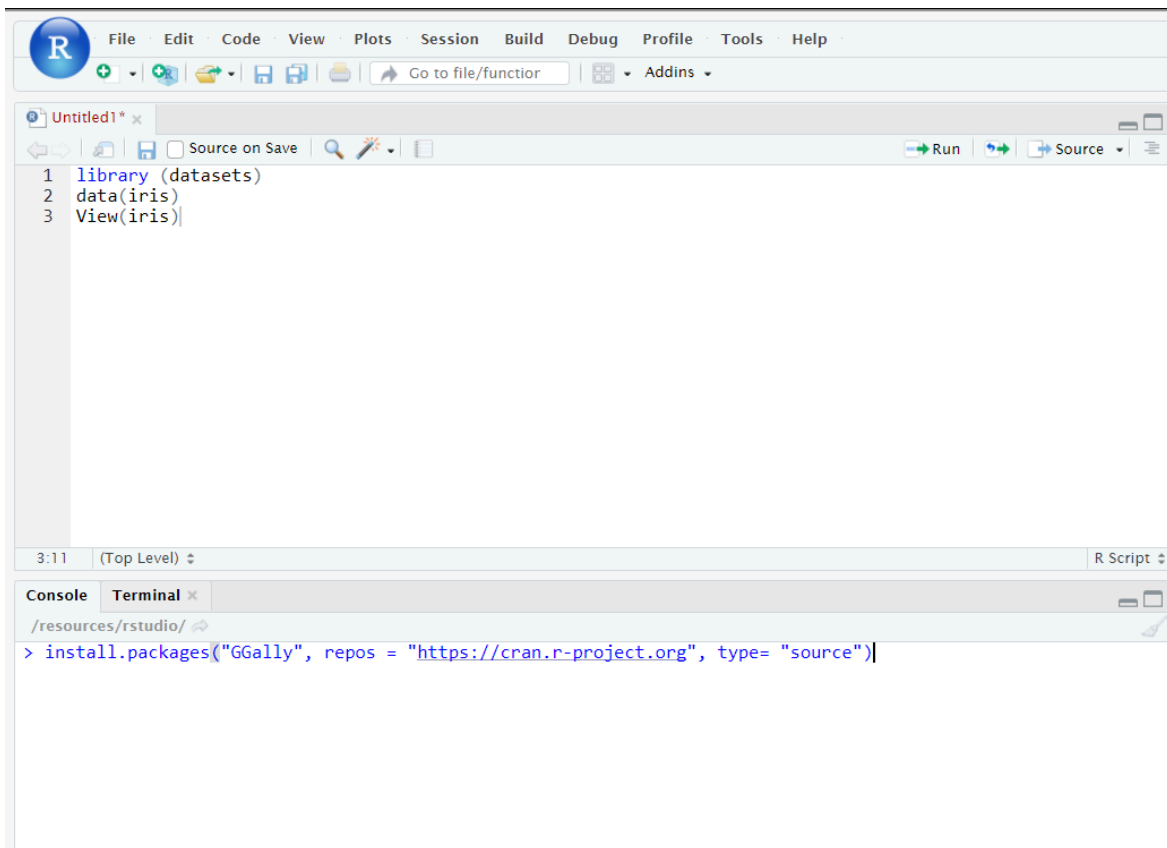
Step 5 - Next you will look into the data set in more detail. Open a Console.
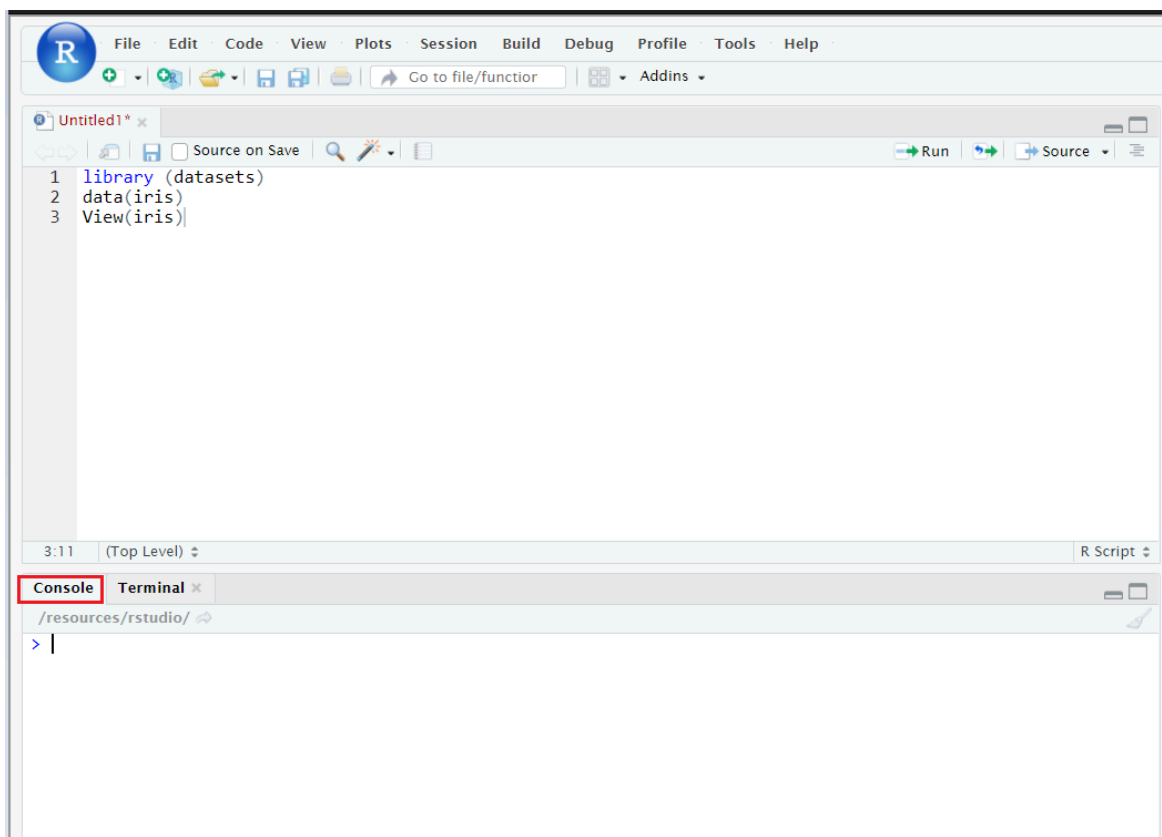
Step 6 - Run the following command in the console.

1. 1

1. `install.packages("GGally", repos = "https://cran.r-project.org", type = "source")`

Copied!

Step 7 - Click *Enter* to install the packages.

This concludes the lab; I hope you enjoyed it!

Author(s)

Romeo

Other Contributor(s)

Lavanya

Change log

Date	Version	Changed by	Change Description
2023-07-09	3.0	Anita Verma	Changed to RStudio lab
2021-13-01	2.4	Malika Singla	Update the installation for R packages
2020-12-10	2.3	Aije	Moved plot steps to a new lab
2020-12-10	2.2	Malika Singla	Update the installation for R packages
2020-12-07	2.1	Aije	Changed instructions to use Skills Network Lab
2020-08-25	2.0	Lavanya	Migrated Lab to Markdown and added to course repo in GitLab