

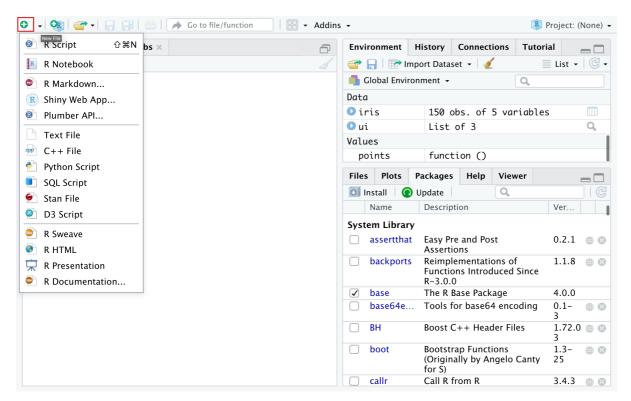
Getting started with RStudio and Installing packages

Objectives of Exercise:

After completing this lab, you will be able to:

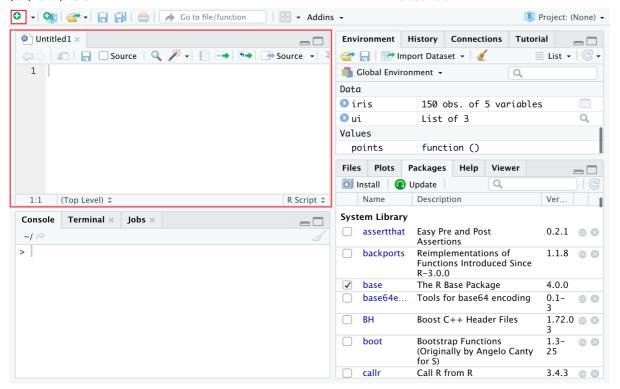
- · Load the datasets
- Install libraries

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.

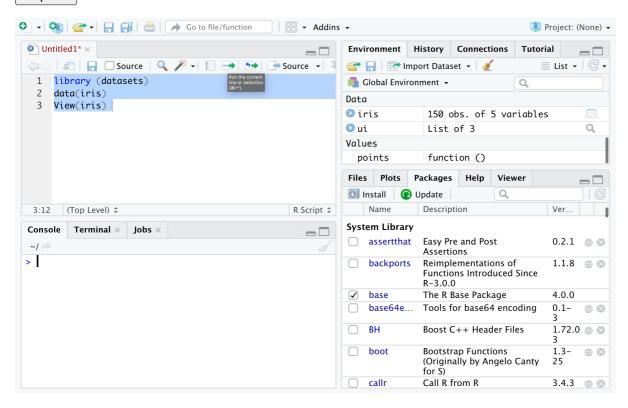
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Step 2 - Now you load the iris dataset. Enter the following lines into the editor window that appears. Then select all the text, and click Run just above the editor window.

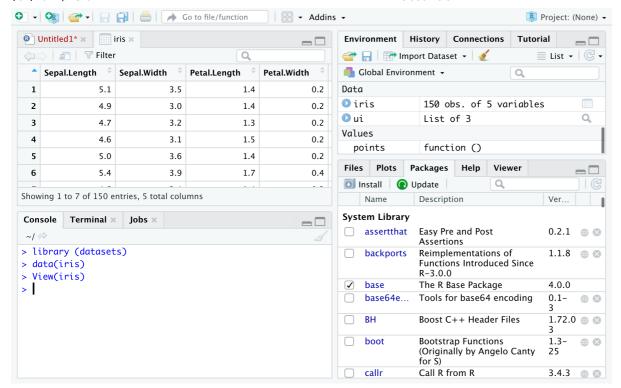
- 1. 1
- 2. 2
- 3.3
- library (datasets)
- data(iris)
- View(iris)





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.

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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)

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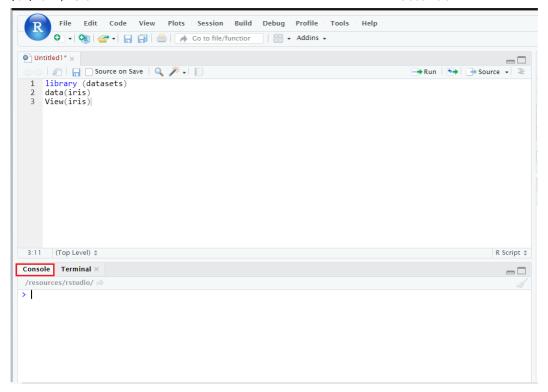
```
Untitled1* x iris x

♦ ♦ Image: Property of the property of th
                                                                                                                                                                                                                                                                                                                                      Run Source +
          1 library(datasets)
          2 data(iris)
          3 View(iris)
           4
                           unique(iris$Species)
          5
          6
                                   (Top Level) ‡
                                                                                                                                                                                                                                                                                                                                                                                                                                                   R Script $
          6:1
    Console ~/ 🙈
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \neg
>
 >
 >
> 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.

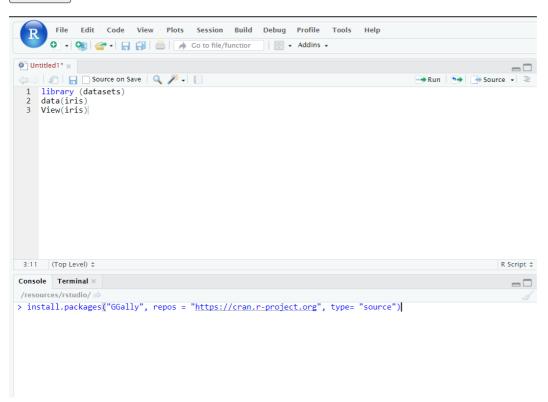
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Step 6 - Run the following command in the console.

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

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

This concludes the lab; I hope you enjoyed it!

Author(s)

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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

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