R Basics using RStudio
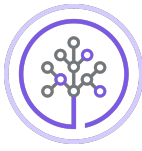

Hands on Lab:R Basics using RStudio
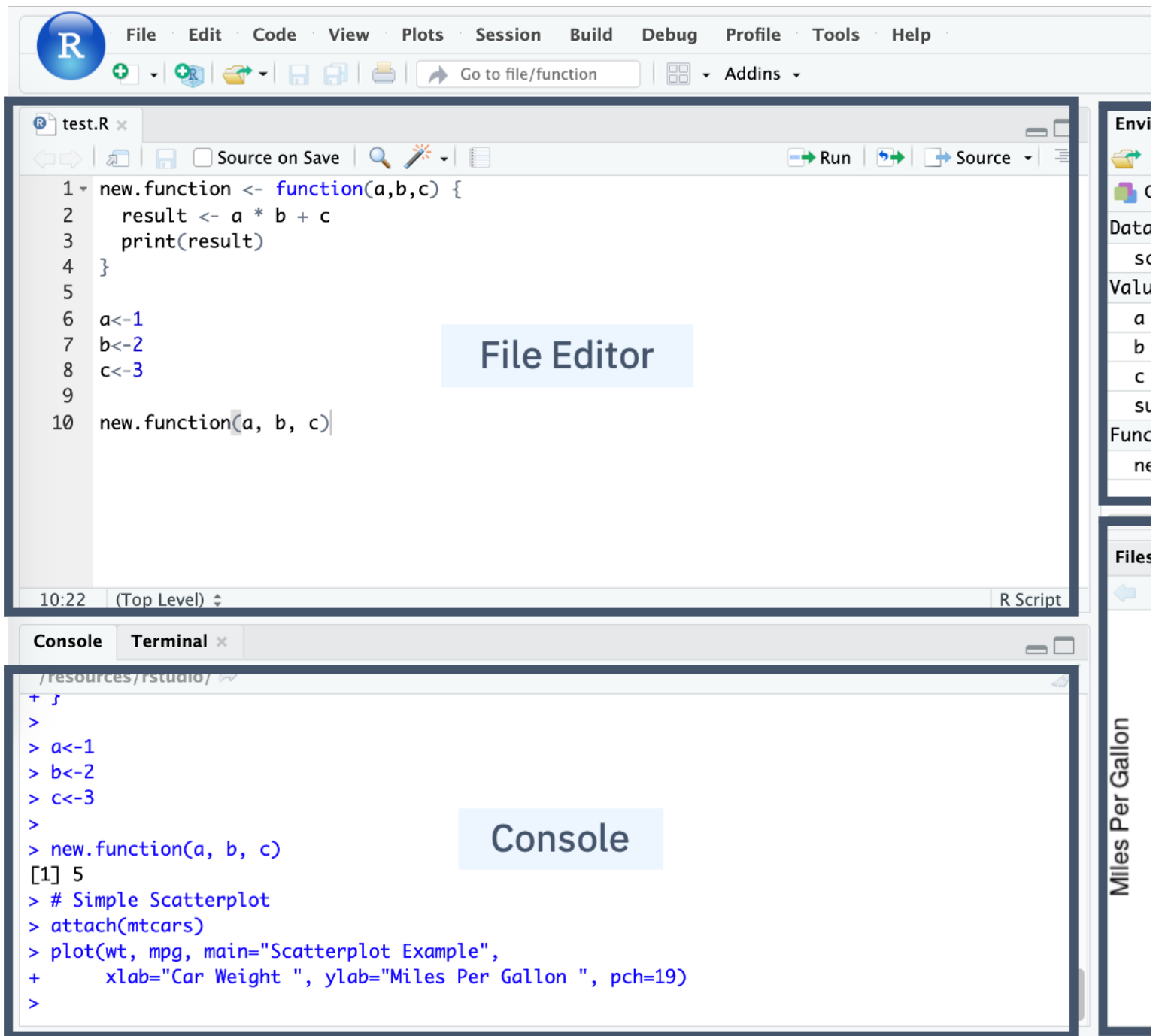
Estimated time needed: 15 minutes

Learning Objectives

- Get familiar with RStudio
- Write your first R code snippet in RStudio

RStudio main UI

In this lab, you will be introduced to RStudio, the most popular and powerful IDE for developing R projects.

The main UI of RStudio is shown here:

- In the `Console` panel, you can quickly try some R commands and see the results immediately.

- In the `File Editor` panel, you can write your R code or other text files with the help of syntax highlighting and auto completion.

- In the `Workspace` panel, you can review and manage the created objects.

- In the `File/Plots/Package` Explorer panel, you can manage your files and other assets, such as plots or packages.

Write the first Hello World code snippet in the Console

Let us write your first **Hello World** in RStudio Console.

- Find the blinking cursor in the Console panel, type an incomplete `prin` or `print` and pause a little bit for RStudio to show a pop-up suggestion list:

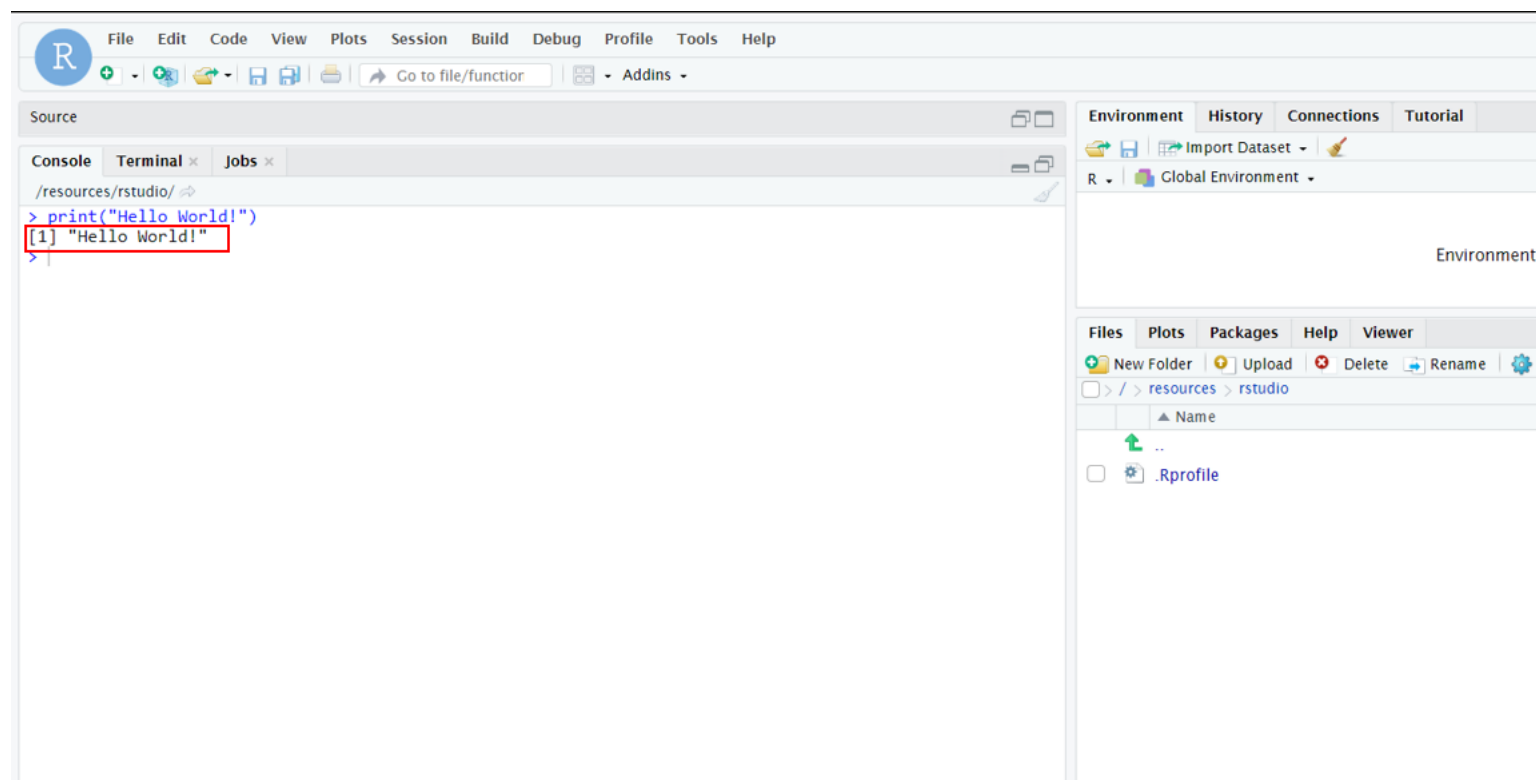| print | {base} |
print.AsIs	{base}
print.by	{base}
print.condition	{base}
print.connection	{base}
print.data.frame	{base}
print.Date	{base}
print.default	{base}

```
> print
```

The auto-complete feature of RStudio can help avoid the need for memorizing the code details and reducing keystrokes by just selecting from a suggestion list.

- Select the `print` function and add a character input `Hello World!`, then press the Enter key:

1. 1

1. print("Hello World!")

Copied!

You should see `Hello World!` printed on the console.

That's it, you have written your first Hello World code snippet in RStudio.

For practice, you can play with the console by typing anything you have learned so far, such as creating variables and doing basic math operations.

If you want to clear the console, you can press `Ctrl` or `Control` + `L` key combination.

Review R objects in the Environment panel

Now let's try the Environment panel to review the R objects we created in the console.