

# Colab on Data science : Tips on starting to use R

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## How to import data into R ? —

- 1) For beginners : Click on “import dataset”.
- 2) For making a reproducible script: follow the instructions below.

### Set up the right directory —

Simple set up :

- 1) New project
- 2) Create New for creating a new folder. Or Use Existing Directory if you already have a folder on your local computer.
- 3) Create a folder to include your datasets.

If you want to include version control (it is a best practice):

- 1) Set up a Github repository
- 2) Open RStudio, Click on “Create New Project” , Version control , then paste the url from your github repository
- 3) You can create a folder to include your datasets, either by the folder directory, or by code :

```
dir.create("Data")
```

```
getwd() # this should show you where you are
```

Check —

```
## [1] "C:/Users/doris/OneDrive/Área de Trabalho/Github_codes/Doris_Tips"
```

## Load data

```
### Load libraries ----

library(readxl) # for xlsx
library(readr) # for csv

# Load data ----
df <- read_xlsx("Data/example.xlsx",
               sheet = 1)

dataset <- read_csv("Data/example.csv")
```

## How to look at the data:

```
df %>% glimpse()
df %>% View()
```

## How to write the modified file into a xlsx or csv:

```
df %>% write_xlsx("Folder_where_you_want_to_save/name_of_the_file.xlsx")
# or
df %>% write_excel("Folder_where_you_want_to_save/name_of_the_file.xlsx")

df %>% write_csv("Folder_where_you_want_to_save/name_of_the_file.csv")
# or
df %>% write_csv("Folder_where_you_want_to_save/name_of_the_file.csv")

# You can always look at the documentation to understand more details:
?write_xlsx()
?write_csv()
?write_csv()
```

## Keyboard shortcuts —

Run line of code: cntrl + enter

Save file : cntrl + s

Pipe ( %>% ): cntrl + shift + m

Comment line : cntrl + shift + c