

Workshop Instructions: Week 2

Exploring and Visualizing Datasets

July 2024

Introduction

Welcome!

In this week's workshop, you will analyse a dataset of your choice. It is a hands-on approach to using functions such as `read_csv()`, `write_csv()`, `tabyl()`, and `esquisser()`. These have been covered in the prework material of the “R Foundations” module.

Feel free to refer to the lesson notes (linked below) during workshop:

- Data Dive
- RStudio Projects

The due date for the assignment is Friday, July 19th at 23:59 GMT. The assignment should be submitted individually, but you are encouraged to brainstorm with partners in a group. To submit your work, please upload your R script to the Workshop 2 submission page.

To get started, please navigate to the WORKSHOP 2 section on the course page.

Downloading and Unzip the Assignment Folder

1. First download the course repo by clicking on the relevant “**Download Workshop Code**” button on the assignment page.

You should ideally work on your local computer, but if you would rather work on RStudio Cloud, see the assignment page for guidance on this.

2. If you are on a PC, go into your Downloads folder, right click on the zip file downloaded, and click on “**Extract all**”. (If you are on a Mac, you can directly click on the downloaded folder.)
3. Choose a destination folder in which to save the unzipped folder. We recommend saving all workshop assignment folders within a folder dedicated to GRAPH R Bootcamp-related work. You can download/unzip future workshop assignments into this folder as well.

Steps for completing the assignment

1. **Open the workshop project in RStudio.** In the unzipped folder, make sure to click on the RStudio Project (.Rproj) file to open the project in RStudio. Double check that you are working within the project by looking at the top of your RStudio window. It should say “week_02_workshop”.

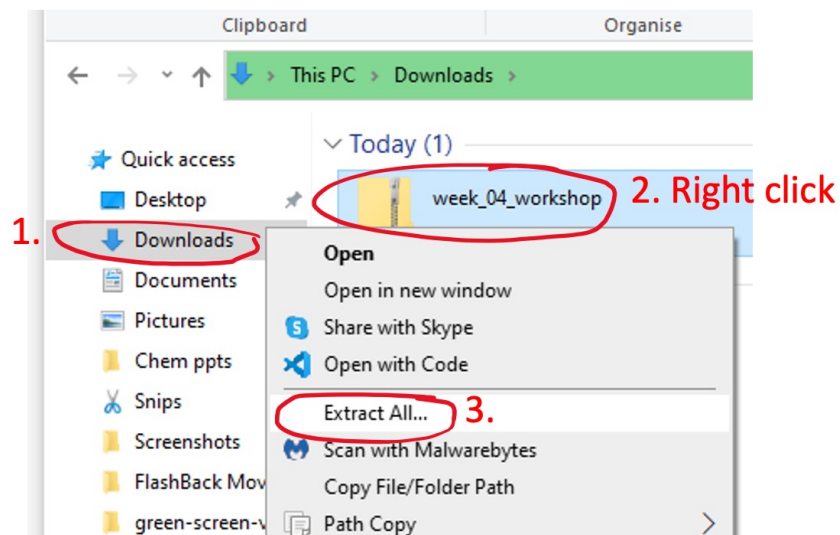


Figure 1: *This screenshot says “week_04_workshop”, but you should look for “**week_02_workshop**”.*



Figure 2: *This screenshot says “week_04”, but yours should say “week_02_workshop.Rproj”.*

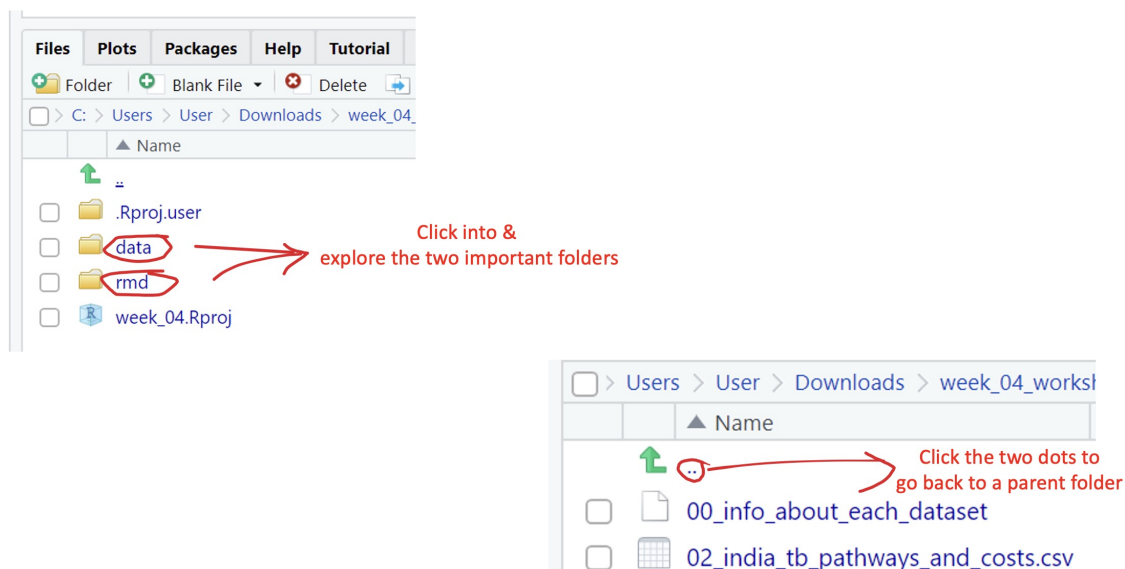


Figure 3: This screenshot says “rmd” but yours will say “scripts”. You will also have an “outputs” folder, which is currently empty.

From the Files pane of RStudio, explore the “data” and “scripts” subfolders.

2. **Choose a dataset.** Choose *one* of these three datasets to explore for this workshop:

- Febrile Diseases Burkina Faso
- Motorcycle Accidents in Colombia
- COVID-19 Patients in the US

You can learn more about these by reading the “00_info_about_the_datasets” PDF. Once you have picked a dataset, open the corresponding script from the “scripts” folder. Add a title, your name, and today’s date at the top of the script.

3. **Complete the assignment.** Work through the steps in your R script. Though you are allowed to work with group members, *it is important that all the code you submit has been typed yourself*.

4. **Submit your assignment.** Once you have finished the tasks above, you should save your answers and upload your script on the workshop webpage. Once successfully uploaded, it will say “You have an assignment awaiting approval”. This means the assignment is waiting to be graded by an instructor.