

Preparation for the course

Data analysis with R for beginners, week 1

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Week 1

Install two pieces of software: R and RStudio. Both are free to download and use. Please come to class with the software installed. **Text in boldface is a link to a website with certain software.** These websites are safe.

Install R

These are the links to each software:

R interpreter (compulsory software)

To work in R, you must have at least an interpreter. Please, enter the **home page of the R project**, then proceed to the list of **Comprehensive R Archive Network (CRAN) websites**. These are mirrors from where you may download R binaries. Choose any link, proceed, download the installation file for your OS (Wholous, Mac, or Linux), and install it.

On **this webpage**, you may find the official R manuals.

R studio (highly recommended, but non-compulsory)

R studio is a useful, but not compulsory piece of software. It just provides a convenient environment for coding (syntax highlighting, code auto-completion, error correction, etc) and some other very useful functions (work in R Notebooks, R Markdown, integration of Python, etc).

R Studio may be downloaded from **the Posit website**. You need to have R installed first.

Try R

If everything is done correctly, you should be able to see the following on your screen (Figures 1 and 2).

Challenge the command line with something simple:

```
print("Hello world!")
2+2
```

You may look for some introductory materials online (for example, **the official introduction to R**) or wait for the lecture.

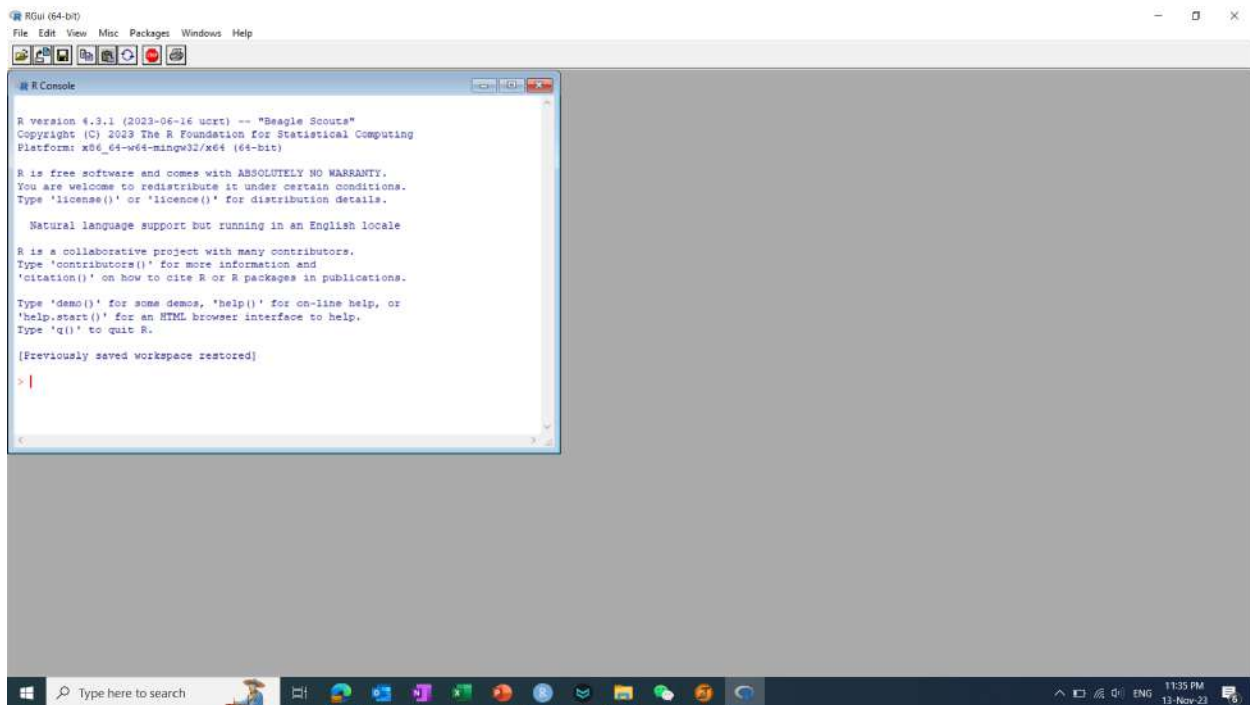


Figure 1: R Interpreter

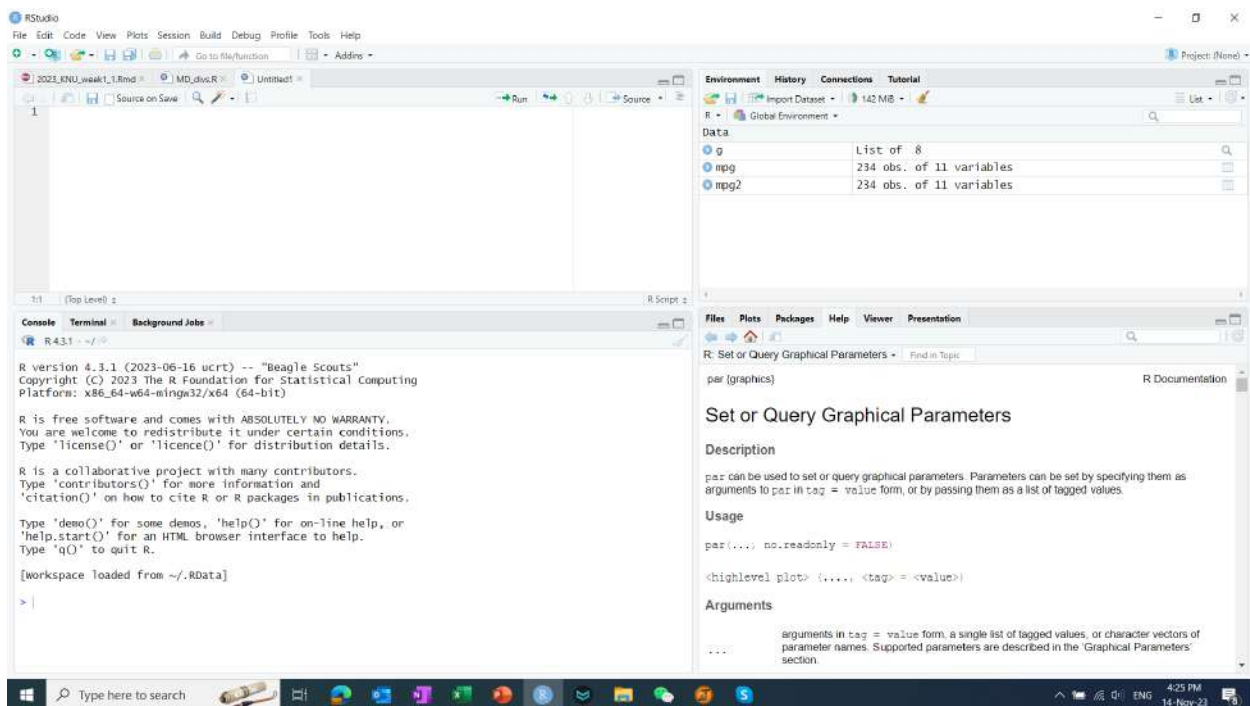


Figure 2: R Studio