

## Day 1 - Exercise 2

### Getting started with R file

### Open new R file

- File → New File... → R Script
- or using the symbol

### Syntax and comments

1) Write in the R file the following

```
# This is a comment
test <- c(1, 2, 3, 4)
test
test*2
```

*Note:* The hash character ‘#’ indicates a line with a comment in an R file and is not interpreted.

2) Execute each code line by using ‘Crtl+Enter’. Pay attention to what happens to the cursor.

In the ‘Console’ you should see the following

```
> # This is a comment
> test <- c(1, 2, 3, 4)
> test
[1] 1 2 3 4
> test*2
[1] 2 4 6 8
```

3) Execute all code lines

- selecting all
- press ‘Ctrl+Enter’

4) Try to comment out one line

- have the cursor in a line of code
- press ‘Ctrl+Shift+C’

5) Try to comment out several lines

- selecting all lines you want to comment out
- press ‘Ctrl+Shift+C’

## Save R file

Save your R file in the folder ‘R/Rfiles’ as ‘0\_testing\_vYYYYMMDD.R’

## Help to find errors

Write in the R file

```
(2 + 3 *[3*4])
```

and look at the left side.

## Help avoiding errors

- Write R code with a consistent style
  - easier to read, understand and manage → avoid syntax errors and typos
- Use of comments
- Adapting editor, e.g., coloring parentheses
  - Tools → Global Options
  - in left list select ‘Code’
  - switch to register ‘Display’
  - at bottom underneath ‘Syntax’
    - \* tick ‘Use rainbow parentheses’