R vs. RStudio

- R is a programming language that runs in the program

- RStudio adds a more structured user interface to R and uses the R language (*RStudio is an Integrated Development Environment (IDE) in which one can use the R language*)

- **RStudio can not run independently of R!**

Update ⓡ

If you see a variation of the following warning message after you load a package:

```
library(dplyr)
```

Warning message: package 'dplyr' was built under R version 3.5.1

▸ It is time to update R

Update R

- You need to download and re-install R from:
https://www.r-project.org/

- After the installation RStudio will automatically recognise the new R version.

- You have to re-install the packages after the installation of a new version of R.

  (*Attention*: Few *old packages* might not run on the new R version. However, you can have multiple versions of R on your computer or downgrade to a previous version)

Update R Studio

Check from time to time whether there is a new version of RStudio available (Help > Check for Updates)