What We Expect You to Know

- Adopting a **reproducible workflow** for your projects can save you time and stress in the long run.
- Set up your **project folders** so that data, code, results etc. are kept separate.
- Document what you are doing and how to run things, both in the **README.md** file and in the script / report files.
- Use **git**, and set up your **.gitignore** so that data, intermediate results etc. are not added to the repository.
- Use RMarkdown (**.Rmd**) files to create reports.
- Make sure your result can be reached from raw data **without any manual editing** of files
- Make sure that all steps needed to get the results are actually in script files, and that **interactive commands in the R console are not necessary**.
- Make your code independent of your computer; in particular do not use absolute paths and setwd(), instead always use paths relative to the project's folder.
- Consider using **shell scripts** to do some data preparation or result post-processing.
- Consider using an automation and dependency management tool such as **Snakemake** or **Nextflow**, especially when you have expensive intermediate results.