

# Software setup

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## Setting up the environment

All the code in the worksheets assumes that you have today's practical in its own directory, with a subdirectory `data`. So, start by creating a directory for today

```
mkdir f_stats
cd f_stats
mkdir data
cp home/manica/data/* ./data
```

From there you can start R and get coding. When creating graphs, you will need to prefix the code with `pdf("name_of_my_file.pdf")` and end with `dev.off()`.

## Installing the software on your computer

If you want to run the practical on your computer, you will have to copy over the data (with `sftp` or `scp`), and install two R packages (they are not on `cran`, but you can get precompiled versions from my personal r universe repository). In RStudio, simply type:

```
install.packages("tidypopgen",
  repos = c("https://evolecolgroup.r-universe.dev",
            "https://cloud.r-project.org"))
install.packages("admixtools",
  repos = c("https://evolecolgroup.r-universe.dev",
            "https://cloud.r-project.org"))
```

If you want to explore more what `tidypopgen` can do, look at its website. For `admixtools`, there is also a dedicated website.