Day 2 – 00 Prepare Environment

Seminar setup

Use this short notebook (or just run the snippets below) before the workshop to ensure all required packages are installed. Keep it simple: install everything in one go, then load each package once to check that it works.

```
install.packages(c('ComplexHeatmap', 'circlize', 'tidyr', 'dplyr'))
```

```
library(ComplexHeatmap)
library(circlize)
library(tidyr)
library(dplyr)
```

After installing the R packages, confirm that Pandoc is present. RStudio ships with Pandoc; otherwise install it manually (e.g., `brew install pandoc` on macOS or download the installer from https://pandoc.org/installing.html). The Homebrew install places the binary in `/opt/homebrew/bin/pandoc`, which R picks up automatically.

```
if (!rmarkdown::pandoc_available('1.12.3')) {
  message('Pandoc 1.12.3+ not found. Install it before knitting the Rmd files.')
} else {
  message('Pandoc version detected: ', rmarkdown::pandoc_version())
}
```

```
## Pandoc version detected: 3.8.2.1
```

If you prefer a one-liner from the terminal, run:

```
R -e "pkgs <- c('ComplexHeatmap','circlize','tidyr','dplyr'); install.packages(setdiff(pkgs, rownames(i
```

After installing, you can knit `second_day_part2/data/00_prepare_dataset.Rmd` to create the teaching datasets (if needed) and move on to the exploration scripts.