

# Intro to R

Basic programming



UNIVERSITY OF  
**LIVERPOOL**



The University  
Of Sheffield.

# Map

Calendar

Recycle rule

Loops, ifs, & custom functions

Datasets

Further resources



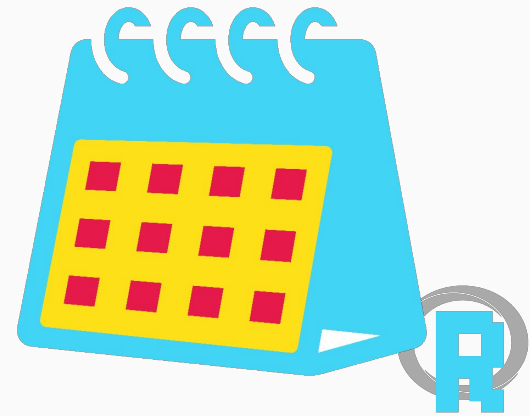
# Calendar

Morning 1: Foundations of R & RStudio

Afternoon 1: R objects (Classes and Data Structures)

Morning 2: Files and subsetting data

Afternoon 2: Handy R tips and tricks



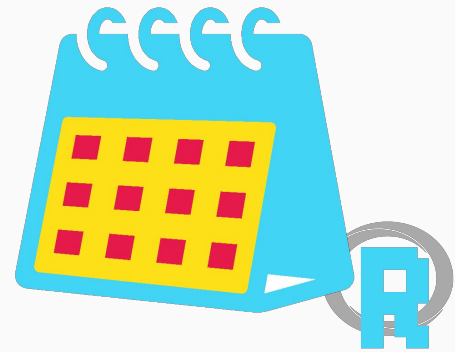
# Calendar pt2

Morning 3: Visualisation (Line graphs & histograms)

Afternoon 3: Visualisation (Scatter plots and boxplots)

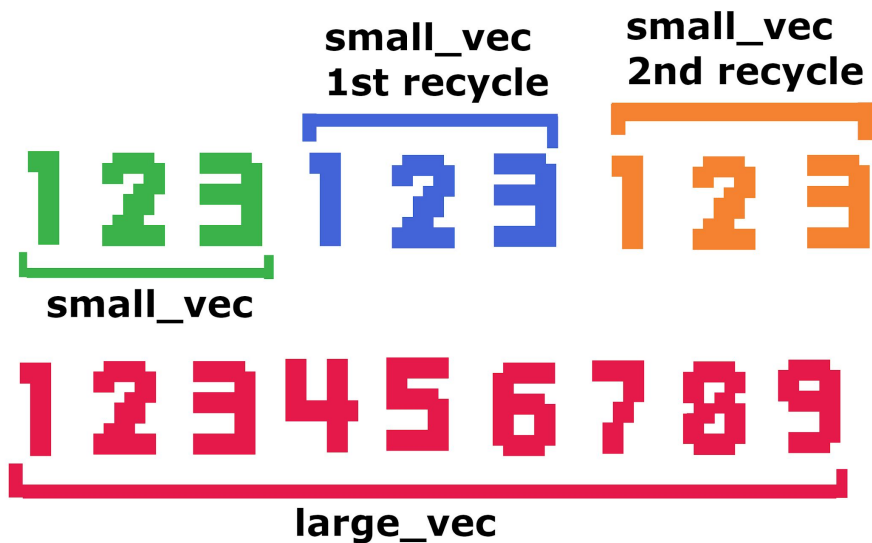
Morning 4: Basic statistics

**Afternoon 4: Loops, ifs, and custom functions**



# Recycle rule

small\_vec \* large\_vec



Results =

**c(1,4,9,4,10,18,7,16,27)**



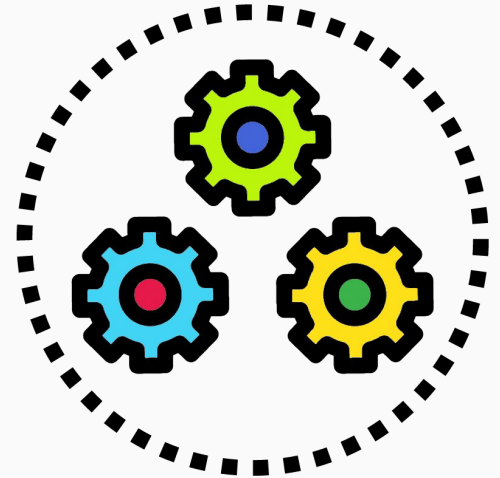
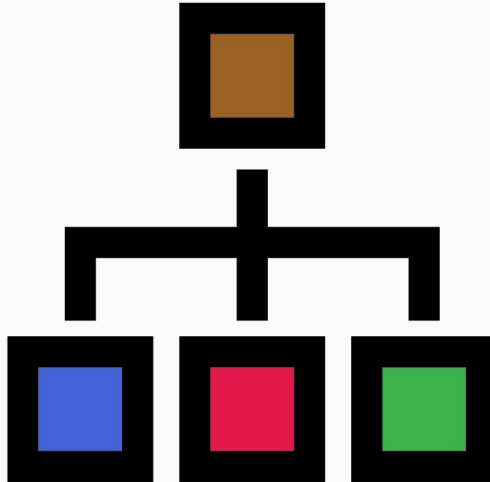
Programming

For loop

While loop

IF

Custom function



Student grades  
dataset

Analysis script

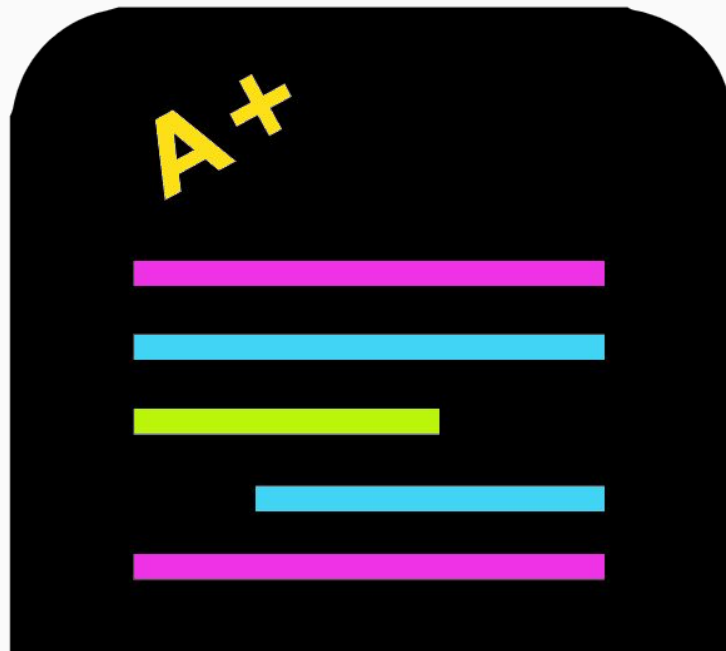
Reading &  
preprocessing

Combining dfs

Saving

Scaling & Grading

Bar plots



## Further resources

R user groups and  
forums

Base R

Cheat sheets

Advanced topics

Datasets





# Recap

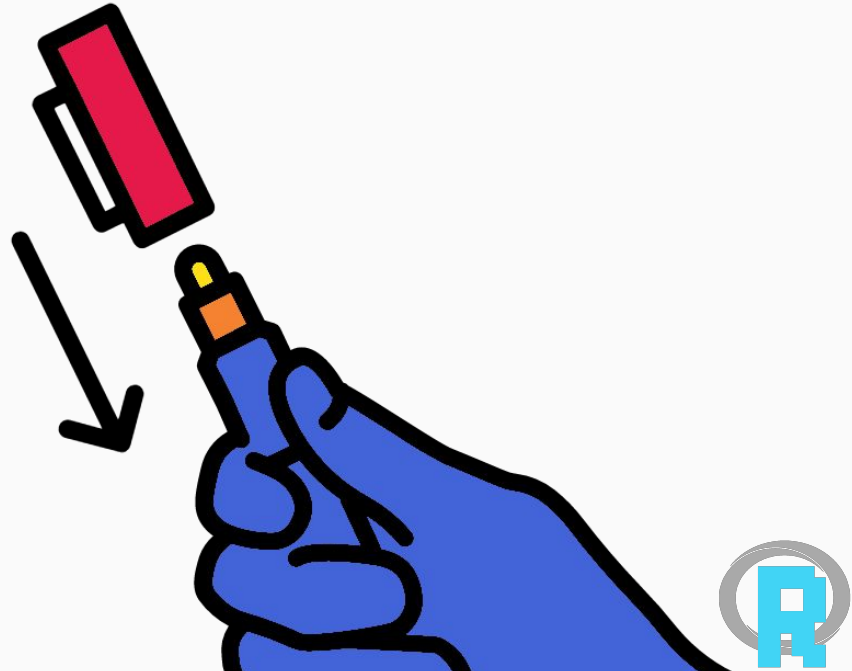
Calendar

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Further resources



# Questions?

