Module 11: Loading packages and manipulating data with 'tidyverse'

Learning Outcomes

❑ Know how to install and load R packages.

❑ The tidyverse package and functions

❑ Filter and manipulate data using dplyr

❑ Know how to save data

What are packages?

- Collections of functions written by other users

- Can include complex analytical tools

- To install: install.packages()

- To load: library()

```
> install.packages("vctrs")
Warning in install.packages :
  lzma decoder corrupt data

  There is a binary version available but the source version is later:
      binary source needs_compilation
vctrs  0.6.2  0.6.3                  TRUE

Do you want to install from sources the package which needs compilation? (Yes/no/cancel) Yes
```
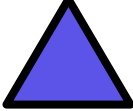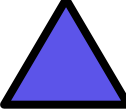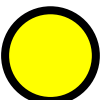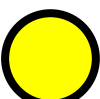
Common functions
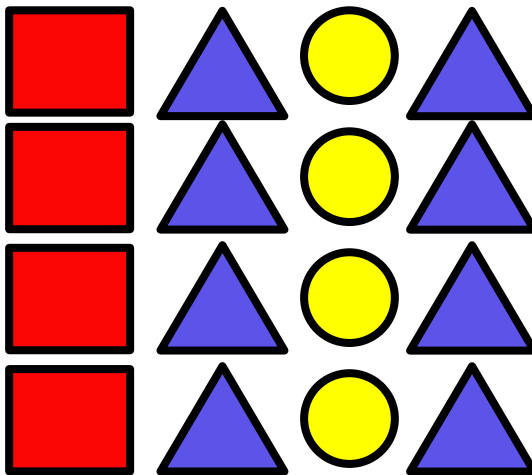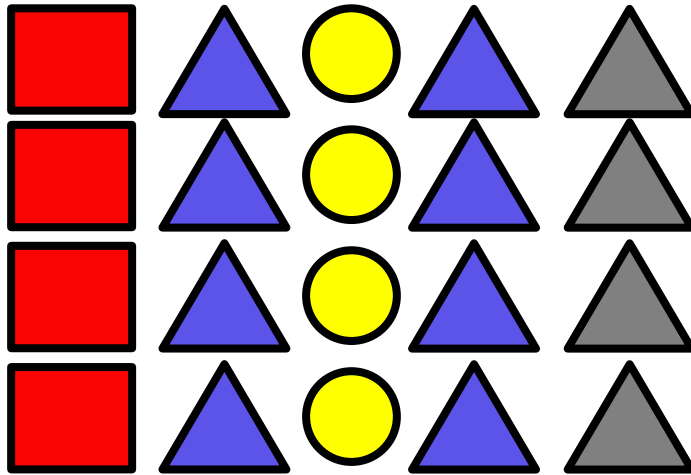
rename

rename()

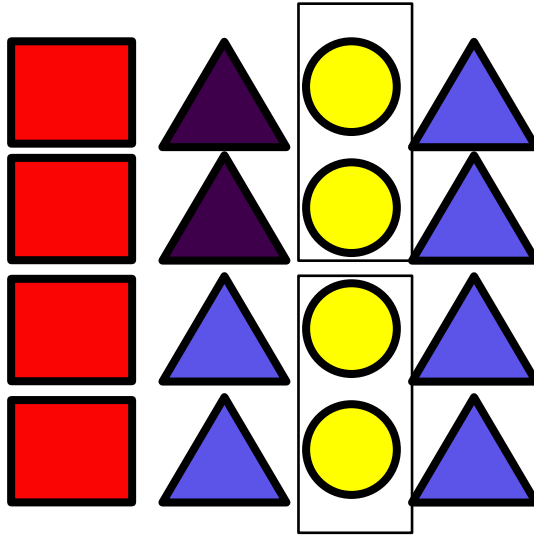# select and filter

select()
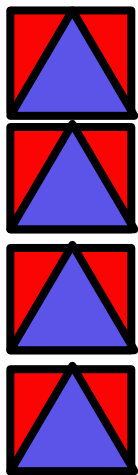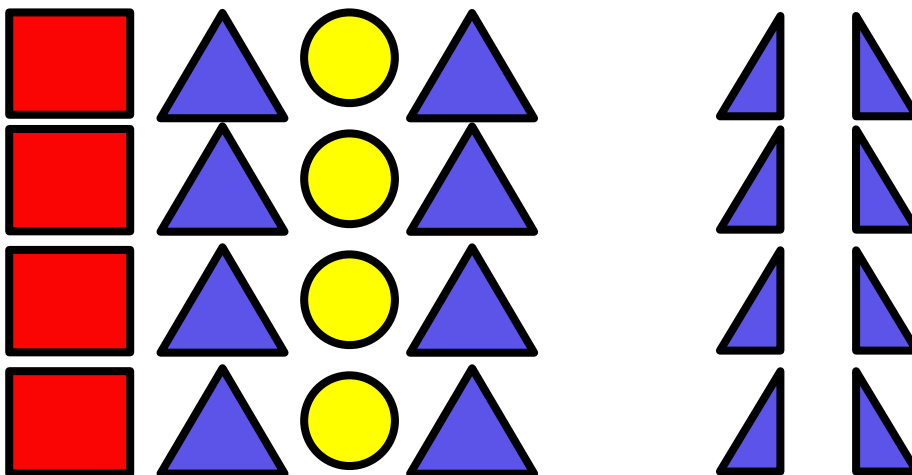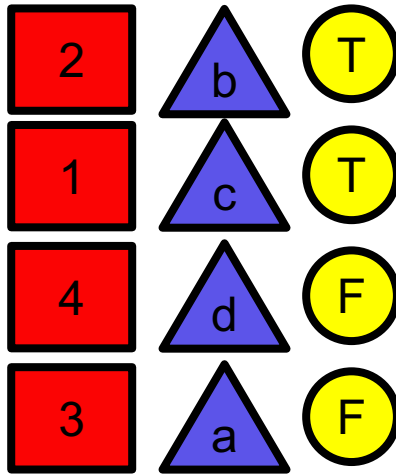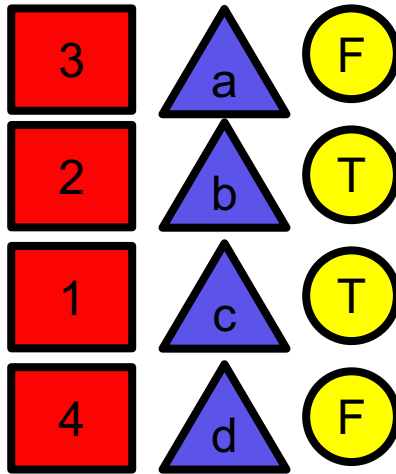
filter()

mutate

mutate()

group_by, summarize

unite, separate

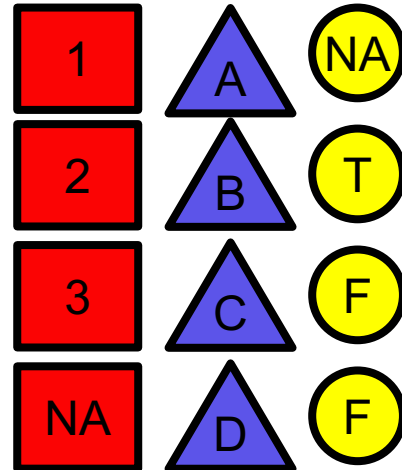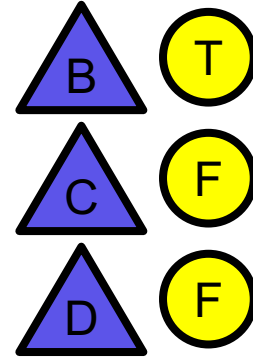unite()

separate()

arrange

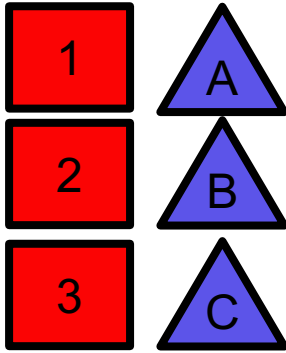arrange()
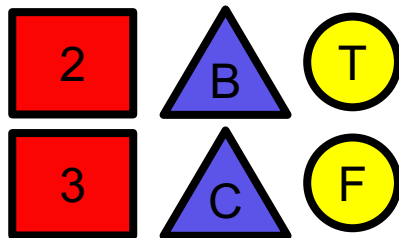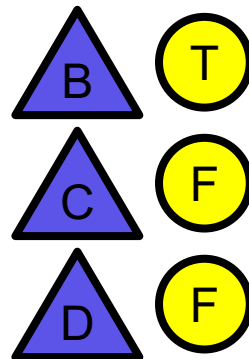
arrange
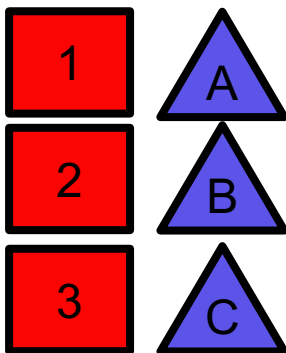
arrange()

full_join
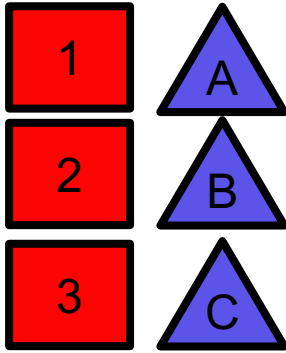
left_join
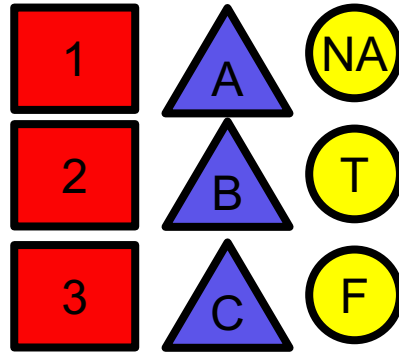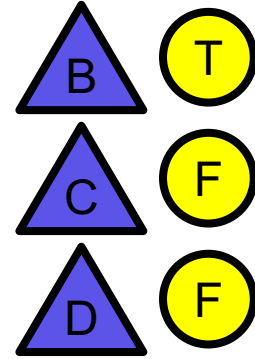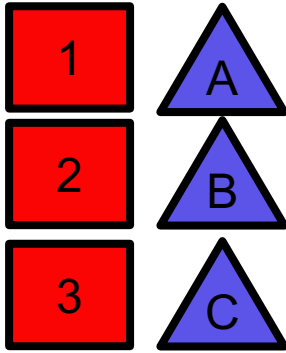
right_join
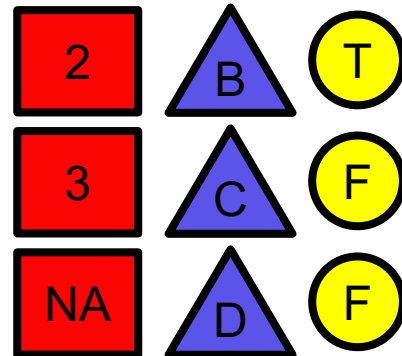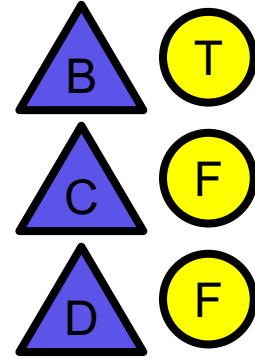
inner_join

Saving data

- Write.table()

- Write.csv()

- Save() (RData)