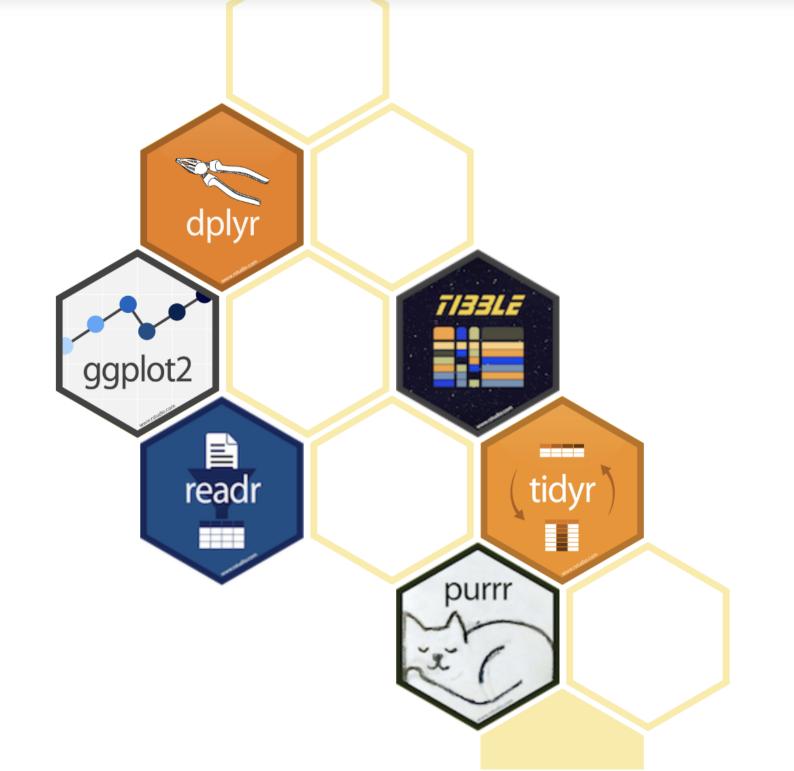
# Introduction to the Tidyverse Import, wrangle, model, and communicate data

2023-08-02



#### Working with data in R

the tidyverse is a collection of *friendly and consistent* tools for data analysis and visualization.

They live as R packages, each of which does one thing well.

### library(tidyverse) will load the core packages:



ggplot2, for data visualisation.

dplyr, for data manipulation.

tidyr, for data tidying.

readr, for data import.

purrr, for functional programming.

tibble, for tibbles, a modern re-imagining of data frames.

stringr, for strings.

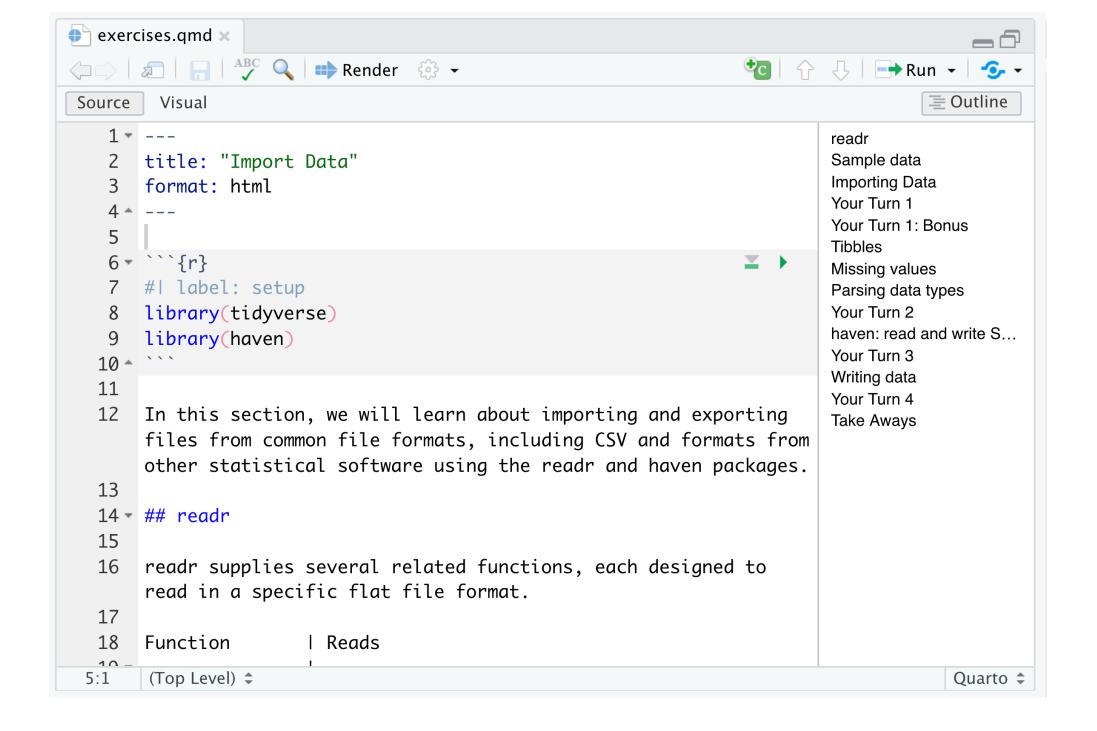
forcats, for factors.

lubridate, for dates and times.

#### This course is hands on!

## Each section has an exercises file: exercises.qmd

#### exercises.qmd



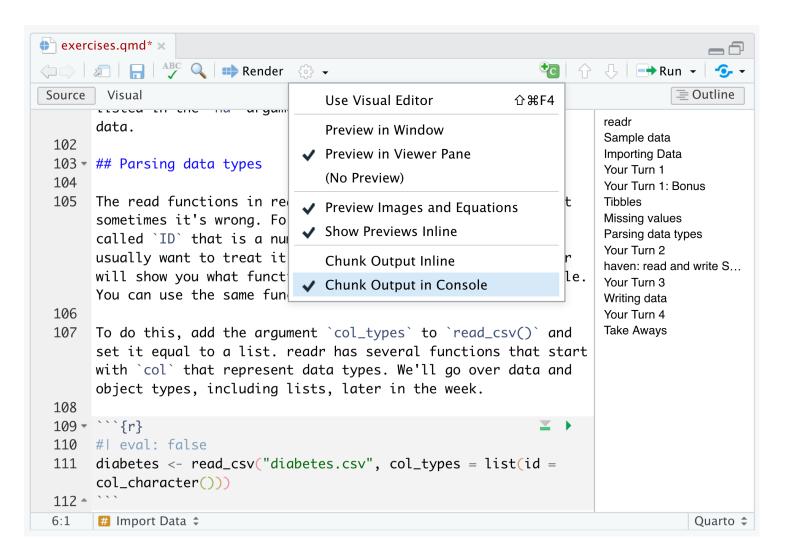
#### **Code chunks**

```
````{r}
csv_data <- read_csv(</pre>
  "a,b,c,d
  1,2,3,4
  5,6,7,8",
  col_types = ""
csv_data
1 1 1
```

#### Running code chunks

```
```{r}
csv_data <- read_csv(</pre>
 "a,b,c,d
 1,2,3,4
 5,6,7,8",
 col_types = ""
csv_data
                              4
             6
 2 rows
```

#### Outputting to the console



#### **Project contents**

```
- 01-dplyr_5verbs
- cheatsheet_dplyr_5verbs.pdf
- diabetes.csv
- exercises.qmd
- slides.pdf
```