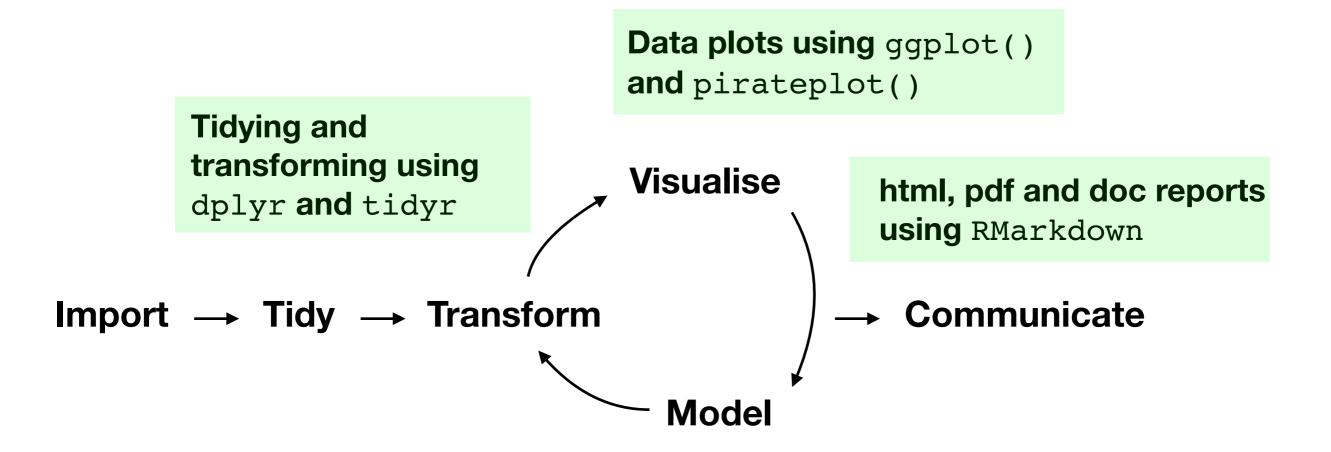# Tidyverse packages

- The Tidyverse contains a number of packages, all containing functions that are designed to 'play well' with each other. Packages include `ggplot2`, `dplyr`, and `tidyr`.

- You can load each package separately with (e.g.)

```
> library(ggplot2)
```

- or load all tidyverse packages with

```
> library(tidyverse)
```

Workflow

Data plots using `ggplot()` **and** `pirateplot()`

Tidying and transforming using `dplyr` **and** `tidyr`

Visualise

html, pdf and doc reports using `RMarkdown`

Import → Tidy → Transform → Communicate

Model

ANO(C)VA using `afex()` **and** `aov()`
Linear regression using `lm()` **and** `step()`
(Generalised) linear mixed models using `lmer()` **and** `glmer()`