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()`
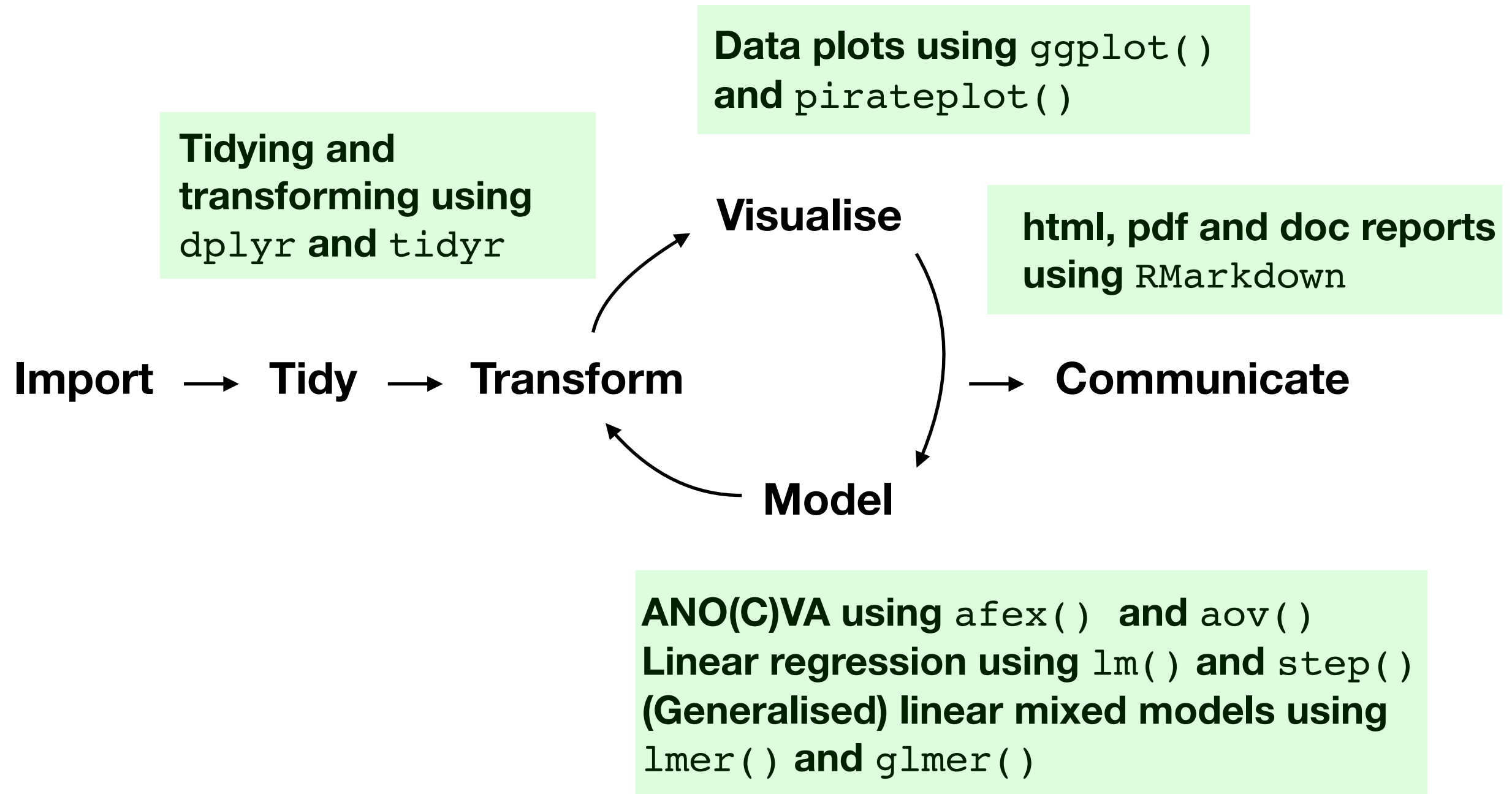**(Generalised) linear mixed models using** `lmer()` **and** `glmer()`

Packages in R

R has a number of functions already built in. These are part of "base R". For much of what we do we need to load particular packages to let us use additional functions. We do this by:

```
> install.packages("packagename")

> library(packagename)
```

Every time you start R afresh, you need to load the packages you will use by using the `library` function. If you see notation like the following, it means we're using a function (e.g., `summarise`) from within a package (e.g., `dplyr`)

```
dplyr::summarise
```