

# day 2 data visualization

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2023-02-28

## Read raw ndata in

We are working with the file `ACACIA_DREPANOLOBIUM_SURVEY.txt` file that currently lives in the `data-raw` folder.

```
#make sure to provide file name as relative path
read.csv(file = "../data-raw/ACACIA_DREPANOLOBIUM_SURVEY.txt",
         sep = "\t",
         na.strings = "dead") -> acacia
```

```
head(acacia)
```

```
##  SURVEY YEAR  SITE BLOCK TREATMENT  PLOT  ID HEIGHT AXIS1 AXIS2 CIRC
## 1      1 2012 SOUTH     1    TOTAL S1TOTAL 581   2.25 2.75 2.15 20
## 2      1 2012 SOUTH     1    TOTAL S1TOTAL 582   2.65 4.10 3.90 28
## 3      1 2012 SOUTH     1    TOTAL S1TOTAL 3111  1.50 1.70 0.85 17
## 4      1 2012 SOUTH     1    TOTAL S1TOTAL 3112  2.01 1.80 1.60 12
## 5      1 2012 SOUTH     1    TOTAL S1TOTAL 3113  1.75 1.84 1.42 13
## 6      1 2012 SOUTH     1    TOTAL S1TOTAL 3114  1.65 1.62 0.85 15
##  FLOWERS BUDS FRUITS ANT
## 1      0   0   10  CS
## 2      0   0  150  TP
## 3      2   1   50  TP
## 4      0   0   75  CS
## 5      0   0   20  CS
## 6      0   0    0   E
```

## Plot the data as a scatterplot

For this we use the function `geom_point()`

```
library(ggplot2)
ggplot(data = acacia, mapping = aes(x = HEIGHT, y = FRUITS, color = ANT)) +
  geom_point(size = 3, alpha = 0.5) +
  facet_wrap(~ANT)
```

```
## Warning: Removed 4 rows containing missing values (`geom_point()`).
```

