

Exercise 3: R Markdown Presentation Slides

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Slides!

This will be a presentation version of the Orange dataset exploration presented in Exercise 2.

Orange

Orange is a dataset about the growth of five orange trees. This is a record of their trunk circumferences (in cm) at certain ages (in days).

The headers for the Orange dataset, as determined through the `names()` function, are:

```
## [1] "Tree"          "age"           "circumference"
```

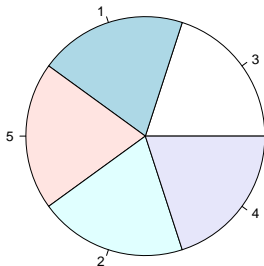
Summary

Here is a summary of the Orange dataset using the `summary()` function:

```
##   Tree      age      circumference
## 3:7   Min.    : 118.0   Min.      : 30.0
## 1:7   1st Qu.: 484.0   1st Qu.: 65.5
## 5:7   Median :1004.0   Median   :115.0
## 2:7   Mean    : 922.1   Mean     :115.9
## 4:7   3rd Qu.:1372.0   3rd Qu.:161.5
##      Max.     :1582.0   Max.     :214.0
```

Pie

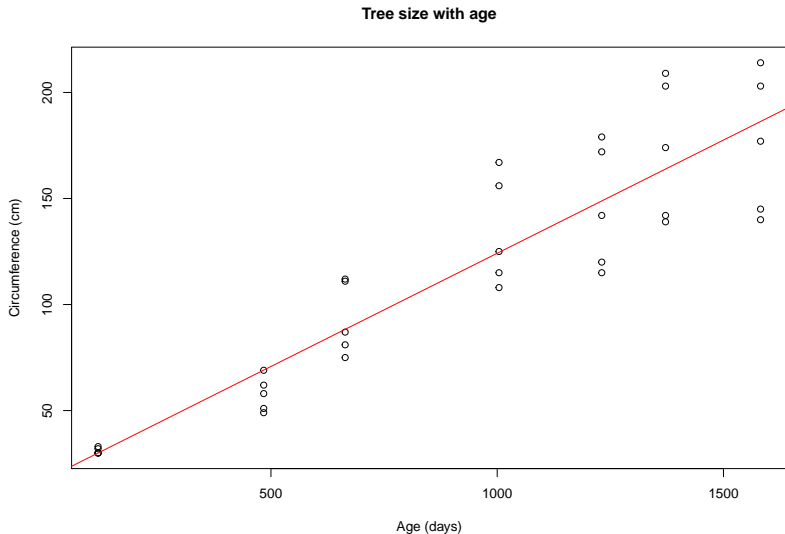
In the Orange dataset, each individual tree is labeled with an identifying number, ranging from 1 to 5. The following pie chart represents the relative number of times each tree is represented in the dataset:



Each tree has an equal number of data points.

Plot

And here is a plot of tree circumference versus age:



Observations

- ▶ Obviously we cannot conclude this is a linear relationship.
- ▶ However, the goal here was simply to add a trendline, and that was a success!

The end