

bird nests

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references:

- Cannon, et al., Stat2, chapter 09, case study
- Cannon, et al., Student R Manual, chapter 10

Import the data.

```
data <- read.csv("BirdNest.csv", header=TRUE)
head(data)
```

```
##              Species              Common Page Length
## 1      Tyrannus tyrannus      Eastern Kingbird 360 20.0
## 2 Myiodynastes luteiventris Sulphur-bellied Flycatcher 368 20.0
## 3      Myiarchus cinerascens      Ash-thoated Flycatcher 372 20.0
## 4      Myiarchus tyrannulus      Brown-crested Flycatcher 372 22.5
## 5      Myarchus tuberculifer      Dusky-capped Flycatcher 374 17.0
## 6              Sayornis phoebe              Eastern Phoebe 378 17.0
## Nesttype Location NoEggs Color Incubate Nestling TotCare Closed
## 1      cup      decid    3.5    1    17.0    17.0    34.0    0
## 2      cavity    decid    3.5    1    15.5    17.0    32.5    1
## 3      cavity    decid    4.5    1    15.0    15.0    30.0    1
## 4      cavity    decid    4.5    1    14.0    16.5    30.5    1
## 5      cavity    decid    4.5    1    14.0    14.0    28.0    1
## 6      cup      bridge    4.5    0    16.0    15.5    31.5    0
```

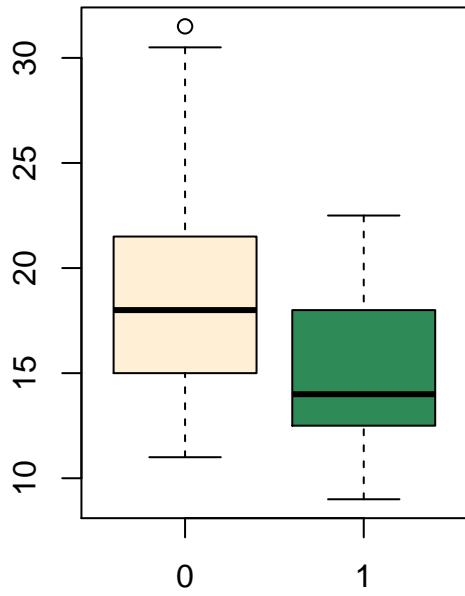
```
dim(data)
```

```
## [1] 83 12
```

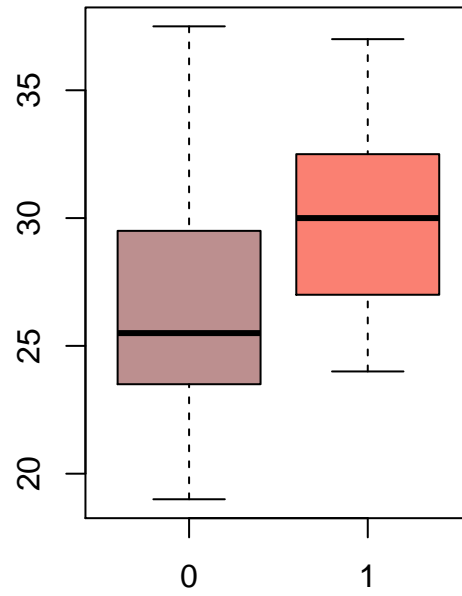
Boxplots.

```
oldpar <- par(mfrow=c(1, 2))
boxplot(Length ~ Closed, data=data, col=c("papayawhip", "seagreen"), main="Length")
boxplot(TotCare ~ Closed, data=data, col=c("rosybrown", "salmon"), main="TotCare")
```

Length



TotCare



`par(oldpar)`