

StatsIntro

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Importing data to table from clipboard:

First, copy the entire dataset to the clipboard, including the header row. Then run the following code to assign it to a variable: (I've commented this portion out since I will be loading from a file when running it in this notebook.)

```
#dataset <- read.table("clipboard",header=TRUE)
```

I've saved the dataset in a file in the same folder as this notebook, so I can use the read.table command from the file instead of the clipboard.

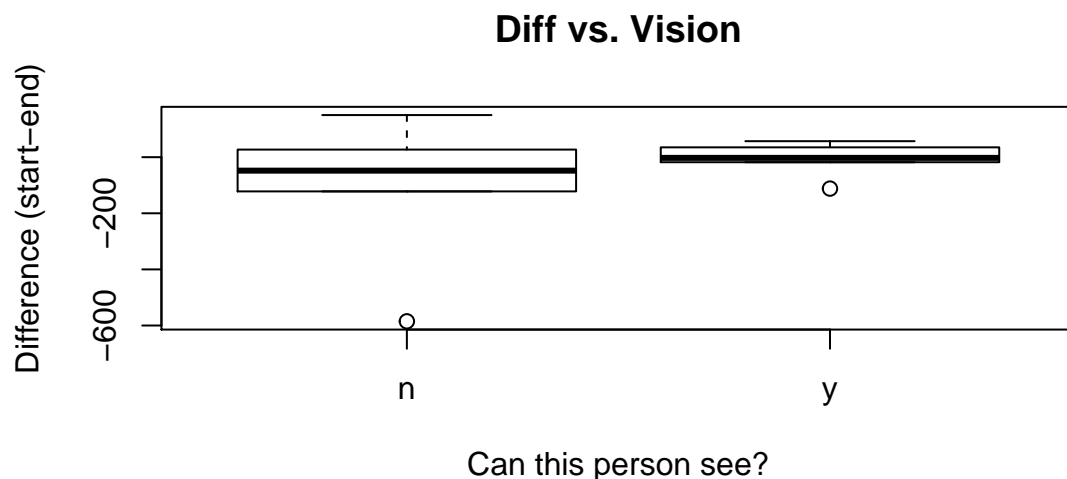
```
dataset <- read.table("dataset1.csv",  
                      header=TRUE,sep=",")
```

A note about notation (the "<-" operator, specific to R):

Creating Plots of Difference (Start - End)

Create a bixplot for diff vs. vision:

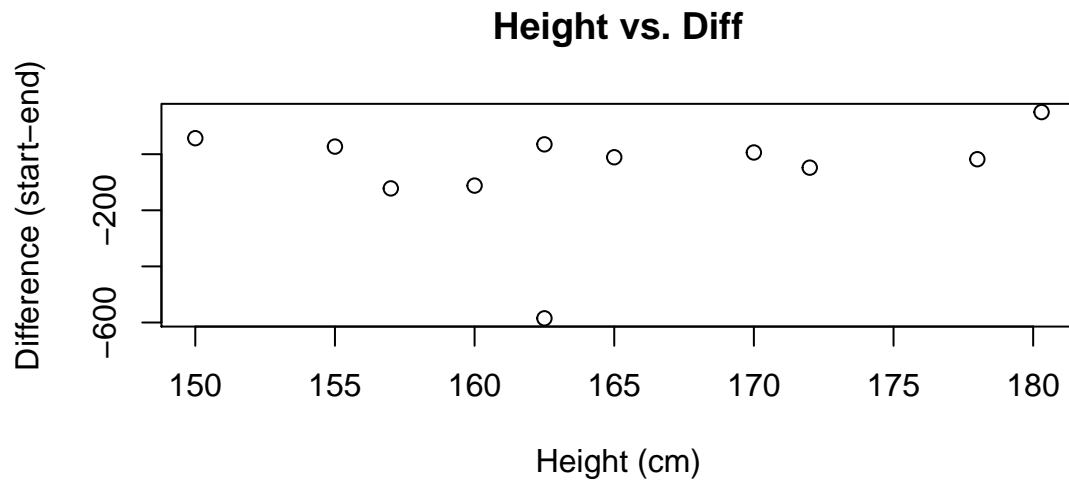
```
boxplot(diff~Vis,data=dataset,  
        main="Diff vs. Vision",  
        xlab="Can this person see?",  
        ylab="Difference (start-end)")
```



Create a scatterplot for diff vs. height:

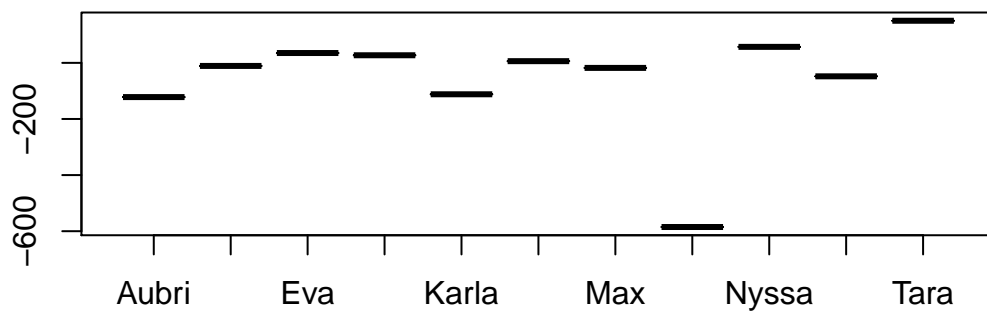
```
plot(x=dataset$Height,y=dataset$diff,  
     main="Height vs. Diff",
```

```
xlab="Height (cm)",
ylab="Difference (start-end)")
```



Create a plot of diff vs. person, an easy way to visualize the distribution of differences among individuals:

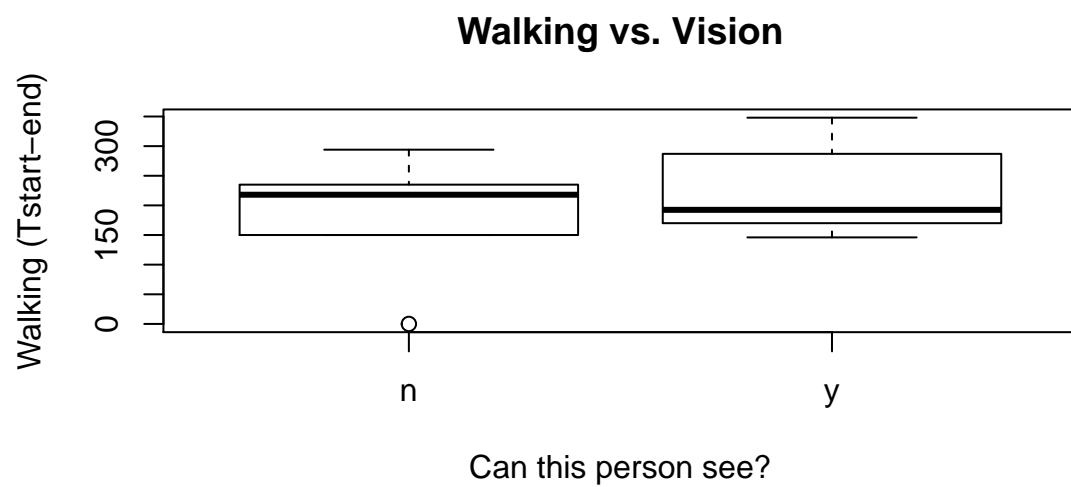
```
plot(x=dataset$Person,y=dataset$diff)
```



Create Plots of Walking (Tstart-End)

Create a bixplot for walking vs. vision:

```
boxplot(Walking~Vis,data=dataset,
        main="Walking vs. Vision",
        xlab="Can this person see?",
        ylab="Walking (Tstart-end)")
```



Create a scatterplot for walking vs. height:

```
plot(x=dataset$Height,y=dataset$Walking,
     main="Height vs. Walking",
     xlab="Height (cm)",
     ylab="Walking (Tstart-end)")
```

