Lab1

ShanZhong

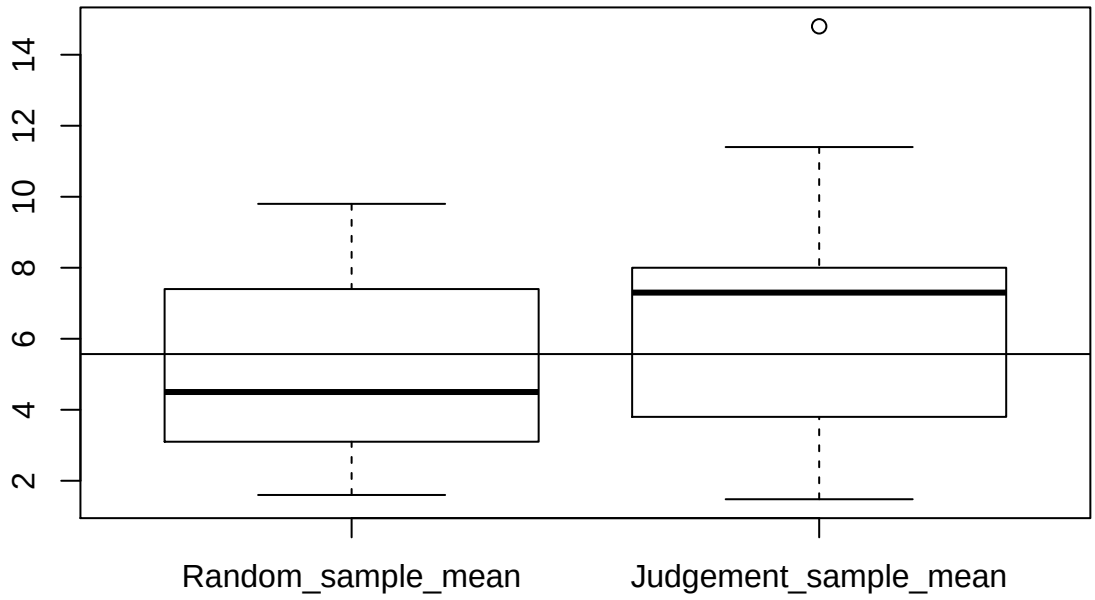
9/11/2019

```
dat <- read.csv("https://raw.githubusercontent.com/Shanlearning/Stat201/master/Lab1/Wednesday_class.csv
dat
```

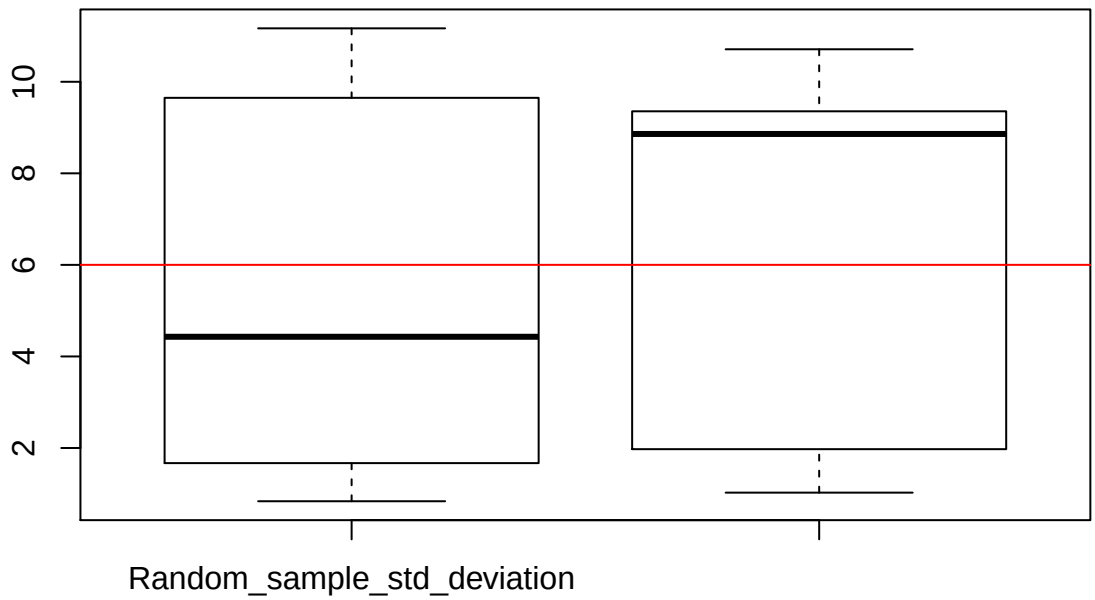
```
##    student Random_sample_mean Judgement_sample_mean
## 1        1                3.6                 7.400
## 2        2                7.0                 4.200
## 3        3                7.0                 6.200
## 4        4                8.2                 7.800
## 5        5                2.4                 3.000
## 6        6                8.6                10.400
## 7        7                3.2                 3.200
## 8        8                9.6                11.400
## 9        9                3.0                 8.200
## 10      10                5.6                 7.400
## 11      11                1.6                 7.200
## 12      12                7.8                 4.600
## 13      13                5.4                 9.839
## 14      14                3.6                 7.800
## 15      15                6.8                14.800
## 16      16                2.8                 3.400
## 17      17                9.8                 1.480
## 18      18                3.0                 6.000
## 19      19                3.4                 7.600
## 20      20                3.4                 2.600
## 21      21                 NA                    NA
## 22      22                 NA                    NA
## 23      23                 NA                    NA
## 24      24                 NA                    NA
##    Random_sample_std_deviation Judgment_sample_std_deviation
## 1                        1.140                         8.900
## 2                        9.000                         1.025
## 3                       10.124                         7.330
## 4                       10.640                         9.760
## 5                        0.890                         2.000
## 6                        8.710                        10.710
## 7                        0.837                         1.304
## 8                        9.960                        10.680
## 9                        1.870                         9.010
## 10                       6.990                         8.880
## 11                       1.670                         7.330
## 12                       9.338                         1.949
## 13                      11.000                        10.677
## 14                       1.820                         7.560
## 15                       8.770                         9.150
## 16                       0.840                         1.190
## 17                      11.167                         8.840
## 18                       1.730                         9.510
```

```
## 19                      1.780                      9.200
## 20                      1.670                      1.140
## 21                         NA                         NA
## 22                         NA                         NA
## 23                         NA                         NA
## 24                         NA                         NA
```

```
boxplot(dat[,c("Random_sample_mean","Judgement_sample_mean")])
abline(h=5.5686)
```




```
boxplot(dat[,c("Random_sample_std_deviation","Judgment_sample_std_deviation")])
abline(h=6.0008,col="red")
```



R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

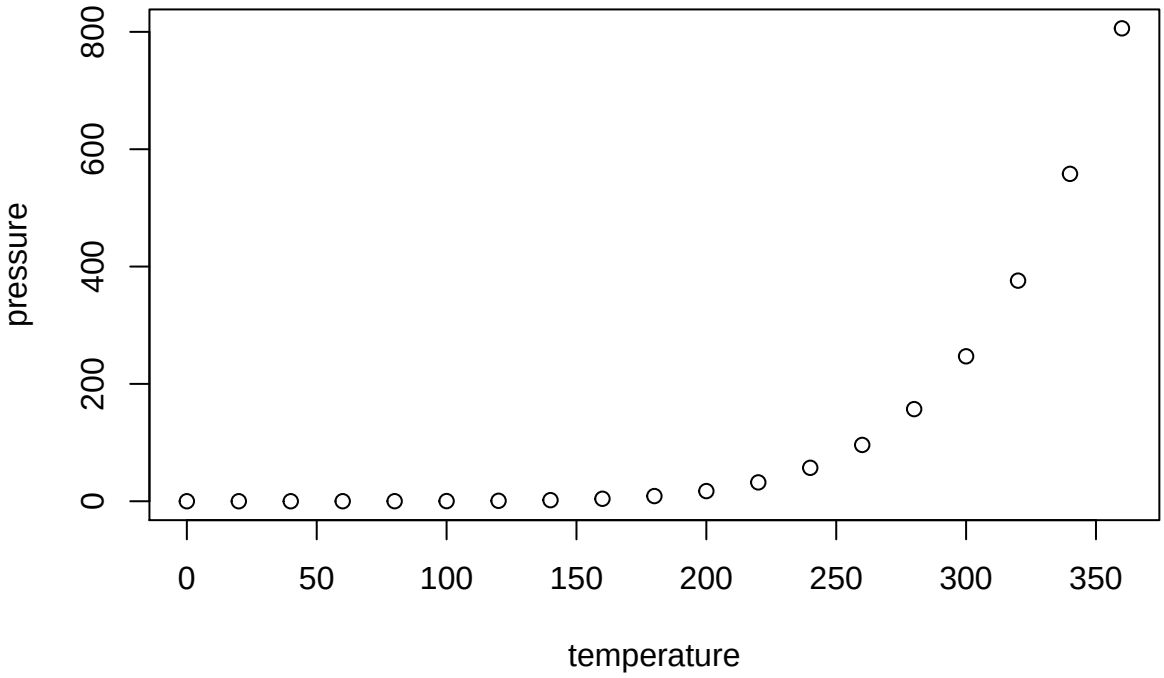
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed           dist       
##  Min.   : 4.0   Min.   :  2.00  
##  1st Qu.:12.0   1st Qu.: 26.00  
##  Median :15.0   Median : 36.00  
##  Mean   :15.4   Mean   : 42.98  
##  3rd Qu.:19.0   3rd Qu.: 56.00  
##  Max.   :25.0   Max.   :120.00
```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.