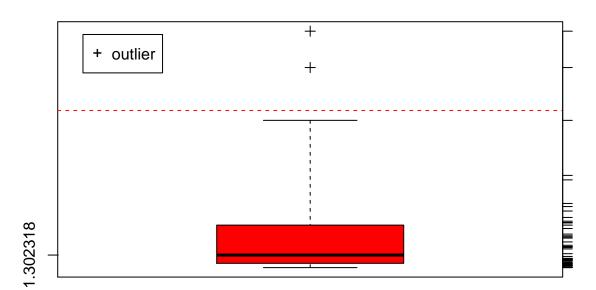
R Homework 11
Fisher Ankney
November 27th, 2018
Statistics 5193

\*Note: this document was created using R Markdown.

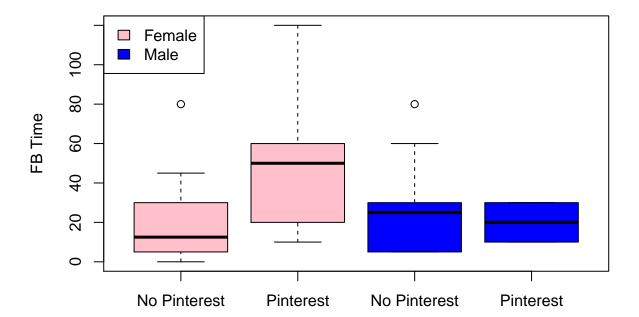
### Question 1

# **Boxplot of Lognormal Data**



### Question 2

### FB time vs. Pinterest by Gender



### Question 3

```
aggregate(StudentData$Fbtime,
         by = list(pinterest = StudentData$Pinterest,
                   gender = StudentData$Gender),
         FUN = median)
## pinterest gender
## 1
       N F 12.5
## 2
           Y
                 F 50.0
## 3
           N
                  M 25.0
## 4
           Y
                  M 20.0
ag_mean <- function(x) {</pre>
mean(x, trim = 0.05)
aggregate(StudentData$Fbtime,
         by = list(pinterest = StudentData$Pinterest,
                   gender = StudentData$Gender),
         FUN = ag_mean)
   pinterest gender
## 1
         N F 21.00000
          Y F 51.15385
N M 28.50000
## 2
## 3
## 4
                 M 20.00000
          Y
```

### Question 4

```
ordered <- USArrests[order(USArrests$Murder),]</pre>
dotchart(ordered$Murder, labels = row.names(ordered),
         main = "Murder Rate by State")
```

## **Murder Rate by State**

