Hw-3

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```
setwd("/cloud/project")
Text <- read.csv("TextMessages.csv", header =TRUE)
names(Text)
```

```
## [1] "Group"       "Baseline"    "Six_months"  "Participant"
```

```
is.factor(Text$Six_months)
```

```
## [1] FALSE
```

```
install.packages("pastecs")
library(pastecs)
stat.desc(Text$Six_months)
```

```
##      nbr.val     nbr.null       nbr.na          min          max        range
##   50.0000000    0.0000000    0.0000000    9.0000000   79.0000000   70.0000000
##          sum       median         mean      SE.mean CI.mean.0.95          var
## 2870.0000000   60.5000000   57.4000000    1.9703931    3.9596532  194.1224490
##      std.dev     coef.var
##   13.9327832    0.2427314
```

```
stat.desc(Text$Baseline)
```

```
##      nbr.val     nbr.null       nbr.na          min          max        range
##   50.0000000    0.0000000    0.0000000   46.0000000   89.0000000   43.0000000
##          sum       median         mean      SE.mean CI.mean.0.95          var
## 3261.0000000   64.5000000   65.2200000    1.5067982    3.0280244  113.5220408
##      std.dev     coef.var
##   10.6546723    0.1633651
```

```
round( stat.desc(Text$Baseline) , 2)
```

```
##      nbr.val     nbr.null       nbr.na          min          max        range
##        50.00         0.00         0.00        46.00        89.00        43.00
##          sum       median         mean      SE.mean CI.mean.0.95          var
##      3261.00        64.50        65.22         1.51         3.03       113.52
##      std.dev     coef.var
##        10.65         0.16
```

```
round( stat.desc(Text$Six_months) , 2)
```

```
##      nbr.val     nbr.null       nbr.na          min          max        range
##        50.00         0.00         0.00         9.00        79.00        70.00
##          sum       median         mean      SE.mean CI.mean.0.95          var
##      2870.00        60.50        57.40         1.97         3.96       194.12
##      std.dev     coef.var
##        13.93         0.24
```

```
#from this given data set we can determine that their
#are 50 participants. The mean is 57.4. It is lower than the baseline mean at
#65.22, which indicates a decline from baseline to sixmonths. The standard
#deviation is 13.93 which shows that there is variability among the participants
#six month scores. The min value is 9 showing that a least one person scored
#very low.The max score is 79, which is lower than baseline of 89. This shows
#that participants generally scored lower at the six month point versus baseline.
#The first quartile is 53 meaning 25% of people sored below this value. The
#median is the midpoint which is 60.5. Lastly, the 3rd quartile is 63, the point
#of where 75% of the scores fall.
```