

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 scored 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.