

OUTPUT 1: CENTRAL TENDENCY AND DATA DISPERSION MEASURES

USING R-TOOL

```
> sample <- read.csv("sample.csv", head=TRUE, sep=",")
> sample
  Zip.code total.population median.age total.males total.females
1  91731           1           73.5         100         1000
2  90001           2           45.6         200          900
3  90002           3           78.5         300          800
4  90003           4           26.6         400          700
5  90004           5           20.4         500          600
6  90005           6           19.4         600          500
7  90006           7           76.5         800          400
8  90007           8           26.6         900          300
9  90008           9           30.3        1000          200

  total.households avg.householdsize
1             200             NA
2             100             NA
3              40             NA
4              50             NA
5             100             NA
6             150             NA
7             234             NA
8             123             NA
9              121             NA

> mean(sample$total.males)
[1] 533.3333
> median(sample$total.males)
[1] 500
> mode(sample$total.males)
Error in mode(sample$total.males) : object 'sample' not found
> mode(sample$total.males)
[1] "numeric"
> summary(sample$total.males)
  Min. 1st Qu.  Median    Mean 3rd Qu.   Max.
100.0   300.0   500.0   533.3   800.0  1000.0
> IQR=(sample$total.males)
> IQR=(sample$total.males)
[1] 500
> hist(sample)
Error in hist.default(sample) : 'x' must be numeric
> quantile(sample$total.males)
  0%  25%  50%  75% 100%
100  300  500  800 1000
> range(sample$total.males)
[1] 100 1000
> range(sample$total.males)
[1] 100 1000

[1] 100 1000
> mean(range(sample$total.males))
+
+ lk
Error: unexpected symbol in:
"
lk"
> lf <- quantile(sample$total.males,0.25)+1.5*(IQR(sample$total.males))
> print(lf)
 25%
-450
> mean(range(sample$total.males))
[1] 550
> uf <- quantile(sample$total.males,0.75)+1.5*(IQR(sample$total.males))
> print(uf)
 75%
1050
> outlier_values<-boxplot.stats(sample$total.males)$out
> print(outlier_values)
integer(0)
```