EXPERIMENT-1

CENTRAL TENDENCY AND DATA DISPERSION MEASURES USING R-TOOL

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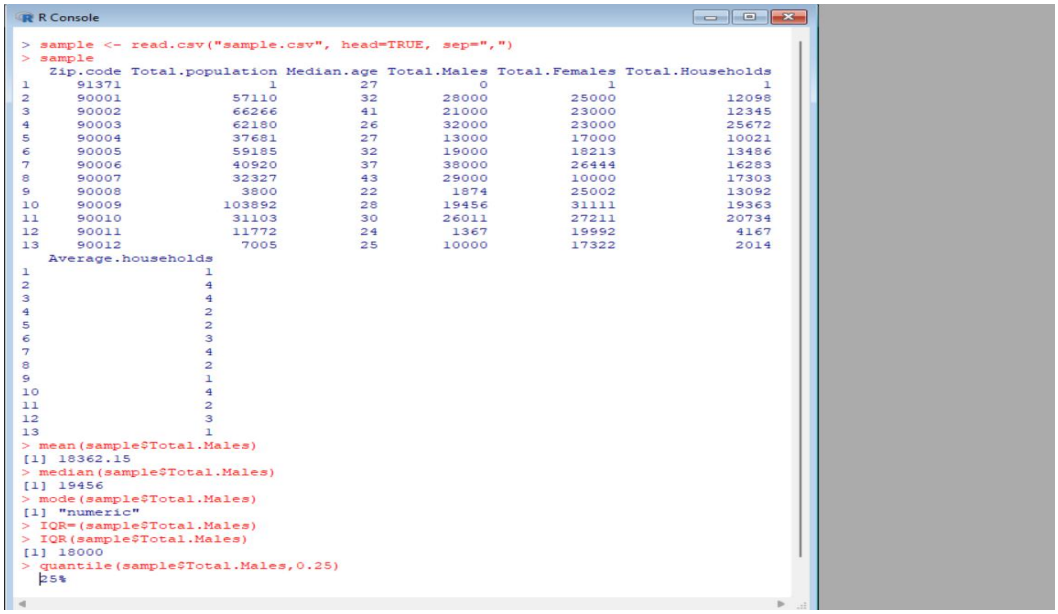
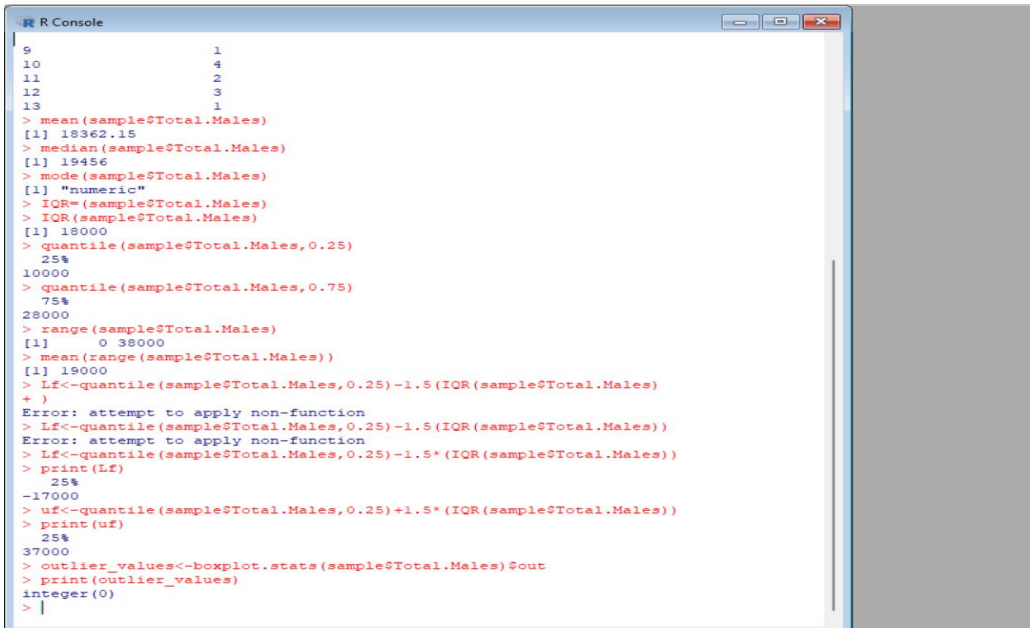
Subject: CSA1672, Data warehouse and data mining

OUTPUT:




R Console
9 1
10 4
11 2
12 3
13 1
> mean(sample$Total.Males)
[1] 18362.15
> median(sample$Total.Males)
[1] 19456
> mode(sample$Total.Males)
[1] "numeric"
> IQR=(sample$Total.Males)
> IQR(sample$Total.Males)
[1] 18000
> quantile(sample$Total.Males,0.25)
25%
10000
> quantile(sample$Total.Males,0.75)
75%
28000
> range(sample$Total.Males)
[1] 0 38000
> mean(range(sample$Total.Males))
[1] 19000
> Lf<-quantile(sample$Total.Males,0.25)-1.5(IQR(sample$Total.Males)
+)
Error: attempt to apply non-function
> Lf<-quantile(sample$Total.Males,0.25)-1.5(IQR(sample$Total.Males))
Error: attempt to apply non-function
> Lf<-quantile(sample$Total.Males,0.25)-1.5*(IQR(sample$Total.Males))
> print(Lf)
25%
-17000
> uf<-quantile(sample$Total.Males,0.25)+1.5*(IQR(sample$Total.Males))
> print(uf)
25%
37000
> outlier_values<-boxplot.stats(sample$Total.Males)$out
> print(outlier_values)
integer(0)
>