

Experiment - 5

(1)

Demonstrate the range, summary, mean, variance, median, Standard deviation, histogram, box plot, scatter plot using population dataset.

Eg:-

library(datasets)

data(JohnsonJohnson)

Range(JohnsonJohnson)

Summary(JohnsonJohnson)

mean(JohnsonJohnson)

median(JohnsonJohnson)

SD(JohnsonJohnson)

Var(JohnsonJohnson)

Hist(JohnsonJohnson)

boxplot(JohnsonJohnson)

Scatter.smooth(JohnsonJohnson)

=> range(JohnsonJohnson)

0.44 16.20

=> summary(JohnsonJohnson)

Min	1st Qu.	Median	Mean	3rd Qu.	Max
0.440	1.248	3.510	4.800	7.133	16.200

=> mean(JohnsonJohnson)

4.799762

=> median(JohnsonJohnson)

3.51

=> sd(JohnsonJohnson)

4.309991

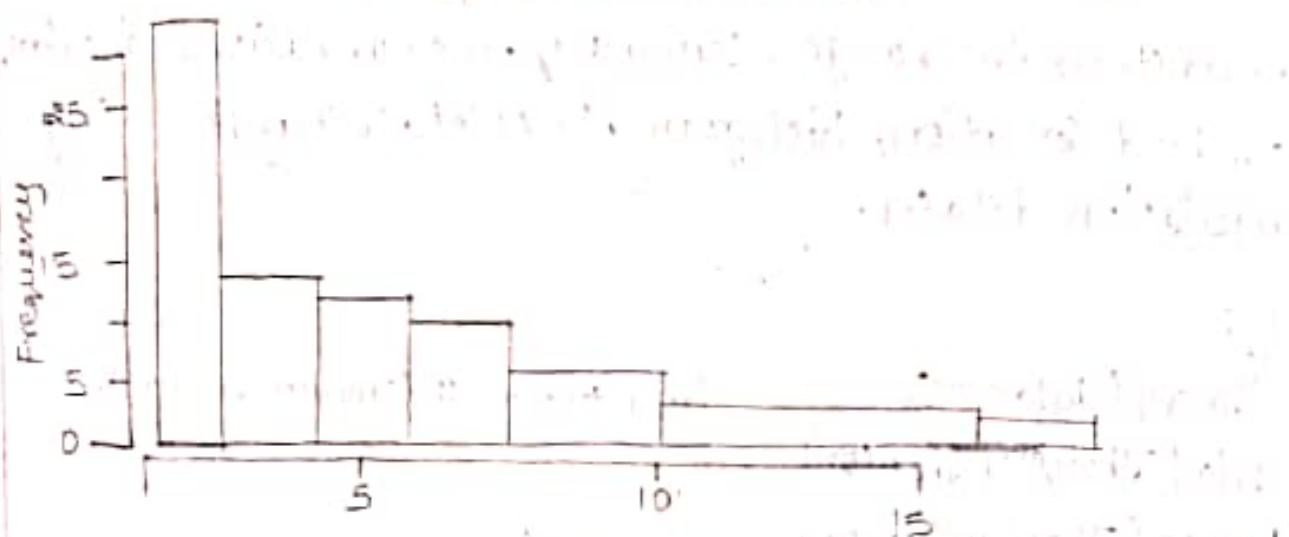
=> var(JohnsonJohnson)

18.57602

=> hist(JohnsonJohnson)

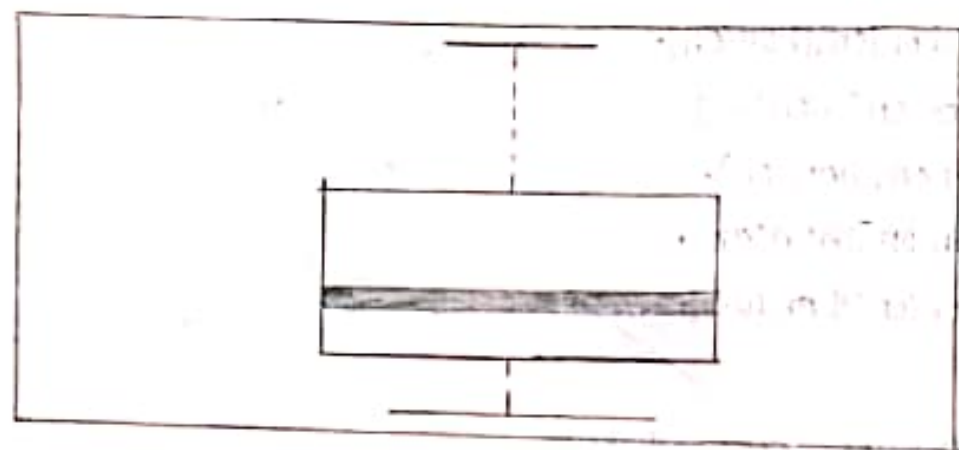
Hist of Johnson Johnson

2



Johnson Johnson-

Boxplot of Johnson Johnson



Scatter + Smooth (Johnson Johnson)

