Data Analytics

D Samanta

Topic 3:

The calculated statistical values for whole data set are as follows:

Mean (Sepal length) = 5.84

Variance (Sepal length) = 0.68

Mean (Sepal width) = 3.05

Variance (Sepal width) = 0.18

Mean (Petal length) = 3.75

Variance (Petal length) = 3.11

Mean (Petal width) = 1.19

Variance (Petal width) = 0.58

Sample of 50 observation was taken and thus there statistical values:

Mean (Sepal length) = 5.68

Variance (Sepal length) = 0.72

Mean (Sepal width) = 3.09

Variance (Sepal width) = 0.21

Mean (Petal length) = 3.46

Variance (Petal length) = 3.52

Mean (Petal width) = 1.11

Variance (Petal width) = 0.72

The variance value of the random sample is higher than the population sample whereas the mean value of the random sample is lower than the population sample.

