Assignment 6

## Fundamentals of Data Analytics

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**Given Samples:**

**S1 = 20, 12, 8, 10, 3, 15, 7, 35, 7, 33, 5, 17, 9, 18, 4**

**S2 = 23, 19, 42, 28, 37, 2, 21, 39, 5, 14, 1, 18, 12, 11, 8**

**S3 = 9, 21, 2, 52, 45, 32, 40, 7, 9, 7, 31, 19, 3, 11, 10**

**S4 = 41, 18, 14, 3, 50, 25, 46, 33, 12, 2, 5, 23, 29, 33, 17**

Here we first import the NumPy as np

And Statistics as stat

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**1.Find and report the Mean (X-Bar) of the collective Means of the Samples**

Here we find the Mean of S1,S2,S3,S4 by using the command **np.mean**

Text

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**2.Find and report the Median of the Samples collectively**

Here we find the Median of the sample Collectively by using **np.median** command

Graphical user interface, text

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**3.Find and report the Mode of the Samples**

Here we find the Mode of the sample by using command **stat.mode**

Graphical user interface, application

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**4.Find and report the Variance of the Samples collectively**

Here we find the Variance of the Sample collectively by using command **stat.variance**

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**5.Find and report the Standard Deviation of the Samples collectively**

Here we find the Standard Deviation of samples by using command **stat.stdev**

**Table

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**Thank You**