Mean: (Average) Mean is a measure of the central tendency of a dataset.
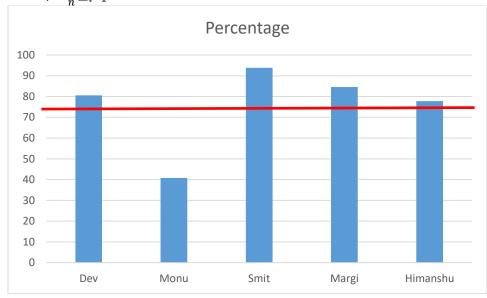
Name	Percentage
Dev	80.6
Monu	40.8
Smit	93.8
Margi	84.6
Himanshu	77.8

Mean / Average =   75.52

Mean $\mu = \frac{1}{n}\sum_{i=1}^{n} xi$

Variance: It measures the dispersion of a dataset, indicating how much the values differ from the mean.

Standard Deviation: It is the square root of the variance, providing a measure of the spread of the dataset in the same units as the data.

Name	Data	Deviation	Square of Deviation
Dev	4.00	-1.50	2.25
Monu	8.00	2.50	6.25
Smit	6.00	0.50	0.25
Margi	5.00	-0.50	0.25
Himanshu	3.00	-2.50	6.25
Prem	7.00	1.50	2.25

		variance σ^2 =	2.92
Mean / Average µ =	5.50	**standard deviation σ =**	1.71

Standard Deviation	Variance
Standard Deviation is defined as the square root of the variance.	Variance is defined as the average of the squared differences from the mean.
Standard deviation provides a measure of the typical distance between data points and the mean.	Variance provides a measure of the average squared distance between data points and the mean.
It is represented by the symbol **σ**.	It is represented by a square of the symbol sigma i.e. **σ^2**.
It has the same unit as the data set.	Its unit is the square of the unit of the data set.

Median: It is the middle value in a set of numbers that have been arranged in order from smallest to largest.

Example 1:

```python
import statistics
dataset = [5, 11, 3, 17, 31]

meanData = statistics.mean(dataset)
print("Mean is :", meanData)
medianData = statistics.median(dataset)
print("Median is :", medianData)
```
Output 1:
```
Mean is : 13.4
Median is : 11
```

Example 2:
```python
import statistics
dataset = [10, 25, 1, 47]

meanData = statistics.mean(dataset)
print("Mean is :", meanData)
medianData = statistics.median(dataset)
print("Median is :", medianData)
```
Output 2:
```
Mean is : 20.75
Median is : 17.5
```
[Average of 10 and 25]

Example 3:
```python
import numpy as np
dataset = [10, 25, 1, 47]

meanData = np.mean(dataset)
print("Mean is :", meanData)
medianData = np.median(dataset)
print("Median is :", medianData)
variance = np.var(dataset)
print("Variance is :", variance)
standardDeviation = np.std(dataset)
print("Standard Deviation is :", standardDeviation)
```
Output 3:
```
Mean is : 20.75
Median is : 17.5
Variance is : 303.1875
Standard Deviation is : 17.41228014936585
```