CENTRAL TENDENCY ¶

In [6]:

```
import statistics as st
import random as rd
```

In [43]:

```
#Mean
nums = rd.sample(range(30),9)
print(nums)
print('Mean: ',st.mean(nums))
```

```
[10, 4, 0, 24, 1, 20, 27, 5, 8]
Mean:  11
```

In [44]:

```
#Meadian
print('Median: ', st.median(nums))
```

```
Median:  8
```

In [31]:

```
#Mode
alps = ['A','D','X','D','D','X','Y','Z']
print('Mode: ',st.mode(alps))
```

```
Mode:  D
```

DISPERSION

In [45]:

```
#Variance
print(nums)
print('Variance: ', st.variance(nums))
```

```
[10, 4, 0, 24, 1, 20, 27, 5, 8]
Variance:  102.75
```

In [47]:

```
#Standard deviation
print('St. Deviation: ', st.stdev(nums))
```

```
St. Deviation:  10.136567466356647
```

In [48]:

```
#Population variance and standard deviation
print('Pop Variance: ', st.pvariance(nums))
print('Pop St. Deviation: ', st.pstdev(nums))
```

```
Pop Variance:  91.33333333333333
Pop St. Deviation:  9.556847457887633
```