In [1]:

```
import pandas as pd
```

In [3]:

```
df=pd.read_csv('stats.csv')
```

In [4]:

```
df
```

Out[4]:

	Name	Salary	Country
0	Dan	40000	USA
1	Elizabeth	32000	Brazil
2	Jon	45000	Italy
3	Maria	54000	USA
4	Mark	72000	USA
5	Bill	62000	Brazil
6	Jess	92000	Italy
7	Julia	55000	USA
8	Jeff	35000	Italy
9	Ben	48000	Brazil

Measure of Central Tendancy

In [5]:

```
# Mean Salary
mean1=df['Salary'].mean()
mean1
```

Out[5]:

53500.0

In [6]:

```
#Sum of Salaries
sum1=df['Salary'].sum()
sum1
```

Out[6]:

535000

In [7]:

```
#Maximum Salary
max1=df['Salary'].max()
max1
```

Out[7]:

92000

In [8]:

```
#Minimum Salary
min1=df['Salary'].min()
min1
```

Out[8]:

32000

In [9]:

```
#Total count

count1=df['Salary'].count()
count1
```

Out[9]:

10

In [10]:

```
#Median
median=df['Salary'].median()
median
```

Out[10]:

51000.0

In [11]:

```
#Mode
mode1=df['Salary'].mode()
mode1
```

Out[11]:

```
0    32000
1    35000
2    40000
3    45000
4    48000
5    54000
6    55000
7    62000
8    72000
9    92000
dtype: int64
```

In [12]:

```
countrywise_sum=df.groupby(['Country'])['Salary'].sum()
countrywise_sum
```

Out[12]:

```
Country
Brazil    142000
Italy     172000
USA       221000
Name: Salary, dtype: int64
```

In [13]:

```
countrywise_count=df.groupby(['Country']).count()
countrywise_count
```

Out[13]:

Country	Name	Salary
Brazil	3	3
Italy	3	3
USA	4	4

Measure of variability

Measure of Variability

In [14]:

```
#variance of salaries
var1=df['Salary'].var()
var1
```

Out[14]:

332055555.5555556

In [15]:

```
#standard deviation
std1=df['Salary'].std()
std1
```

Out[15]:

18222.391598128816

Measure of Symmetry

In [16]:

```
skew1=df.skew(axis=0, skipna=True)
skew1
```

Out[16]:

Salary 1.021551
dtype: float64

In [17]:

```
#The skewness is positive so x will have right side tail.
```

In [18]:

```
df.describe()
```

Out[18]:

	Salary
count	10.000000
mean	53500.000000
std	18222.391598
min	32000.000000
25%	41250.000000
50%	51000.000000
75%	60250.000000
max	92000.000000

In [ ]:

```

```