Statistics in Data Analysis

Importing the Library

In [4]:
```
# Importing numpy library
import numpy as np
```

In [5]:
```
# Creating a DataFrame called 'sta'
sta = np.array([10, 20, 30, 40, 50, 60, 70, 80, 90, 100])
```

In [6]:
```
# Displaying the DataFrame
print(sta)
```

```
[ 10  20  30  40  50  60  70  80  90 100]
```

In [7]:
```
# Calculating the mean
mean = np.mean(sta)
```

In [8]:
```
# Printing the mean
mean
```

Out[8]:
```
55.0
```

In [9]:
```
# Calculating the median
median = np.median(sta)
```

In [10]:
```
# Printing the median
median
```

Out[10]:
```
55.0
```

In [13]:
```
# Calculating the standard deviation
std_dev = np.std(sta)
```

In [14]:
```
# Printing the std_dev
std_dev
```

Out[14]:
```
28.722813232690143
```

In [ ]:
```

```