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## ★ STATISTICS FOR DATA ANALYSIS

### Importing the library

```
# Importing the numpy library
import numpy as np

# creating a dataframe called "Sta"
sta = np.array([3,8,9,0,2,4,1,6,5,7])
```

```
#display a dataframe
print(sta)
```

```
[3 8 9 0 2 4 1 6 5 7]
```

```
# checking the mean
mean = np.mean(sta)
```

```
# printing the mean
print(mean)
```

```
4.5
```

```
#checking the median
median=np.median(sta)
```

```
#printing the median
print(median)
```

```
4.5
```

```
# standard deviation
std = np.std(sta)
```

```
#printing the standard deviation
print(std)
```

```
2.8722813232690143
```

```
#variance
variance= np.var(sta)
```

```
#printing the variance
print(variance)
```

```
8.25
```

