Statastical Description

```
In [ ]:    #Name: Siddhi N. Sakharkar
           #Roll no.: 51
           #Sec:B
```

```
In [ ]:    import numpy as np
```

```
In [3]:    x = np.array([1,2,3,4,5,6,7,2,8,9,2,3])
```

```
In [4]:    x
```

```
Out[4]:    array([1, 2, 3, 4, 5, 6, 7, 2, 8, 9, 2, 3])
```

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In [5]:    print(np.mean(x))
```

```
4.333333333333333
```

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In [6]:    print(np.median(x))
```

```
3.5
```

```
In [7]:    print(np.mode(x))
```

```
---------------------------------------------------------------------------
AttributeError                          Traceback (most recent call last)
~\AppData\Local\Temp/ipykernel_16924/1381575533.py in <module>
----> 1 print(np.mode(x))

~\anaconda3\lib\site-packages\numpy\__init__.py in __getattr__(attr)
    301                 return Tester
    302
--> 303             raise AttributeError("module {!r} has no attribute "
    304                                  "{!r}".format(__name__, attr))
    305

AttributeError: module 'numpy' has no attribute 'mode'
```

```
In [8]:    from scipy import stats
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In [9]:    print(stats.mode(x))
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```
ModeResult(mode=array([2]), count=array([3]))
```

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In [10]:   print(np.std(x))
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2.5276251480171834
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In [11]:   print(np.var(x))
```

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6.388888888888888
```

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