

Statistical Description

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In [ ]: #Name: Shruti .P. Arsode  
#Roll no.: 03  
#Sec:'A'
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In [ ]: import numpy as np
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In [3]: x = np.array([1,2,3,4,5,6,7,2,8,9,2,3])
```

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In [4]: x
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```
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))
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4.333333333333333
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In [6]: print(np.median(x))
```

```
3.5
```

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

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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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