

```
In [3]: # Python program to get average of a list

# Importing the NumPy module
import numpy as np

# Taking a List of elements
list = [2, 4, 4, 4, 5, 5,7,7, 7, 9,10]

# Calculating average using average()
(np.average(list))
```

Out[3]: 5.818181818181818

```
In [4]: # Python program to get average of a list

# Importing the NumPy module
import numpy as np

# Taking a List of elements
list = [2, 40, 2, 50, 17, 7, 9]

# Calculating average using average()
(np.average(list))
```

Out[4]: 18.142857142857142

```
In [5]: # Python program to get variance of a list

# Importing the NumPy module
import numpy as np

# Taking a List of elements
list = [2, 4, 4, 4,4,5, 5, 5, 7, 9]

# Calculating variance using var
(np.var(list))
```

Out[5]: 3.2900000000000005

```
In [7]: # Python program to get variance of a List

# Importing the NumPy module
import numpy as np

# Taking a List of elements
list = [212, 231, 234, 564, 235,235,235]

# Calculating variance using var()
(np.var(list))
```

Out[7]: 13692.0

In [10]: *#se the NumPy var() method to find the variance:*

```
import numpy

speed = [32,111,138,28,59,77,97]

x = numpy.var(speed)

(x)
```

Out[10]: 1432.2448979591834

In [12]: *# Python program to get
standard deviation of a List*

```
# Importing the NumPy module
import numpy as np

# Taking a List of elements
list = [2, 4, 4, 4,4,5, 5, 5, 7, 9]

# Calculating standard  
# deviation using var()
(np.std(list))
```

Out[12]: 1.8138357147217055

In [13]: *# Python program to get
standard deviation of a List*

```
# Importing the NumPy module
import numpy as np

# Taking a List of elements
list = [290, 124, 127, 899]

# Calculating standard  
# deviation using var()
(np.std(list))
```

Out[13]: 318.35750344541907

In [14]: *#Example
#Use the NumPy std() method to find the standard deviation:*

```
import numpy

speed = [32,111,138,28,59,77,97]

x = numpy.std(speed)

(x)
```

Out[14]: 37.84501153334721

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