



# What are Tensors | Tensor In-depth Explanation | Tensor in Machine Learning

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tensors-demo.ipynb

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```
[8] import numpy as np
```

```
[9] a = np.array(4)
```

```
[10] a  
array(4)
```

```
▶ a.ndim
```

```
□ 0
```

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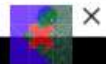


```
[11] a.ndim  
0  
  
[12] arr = np.array([1,2,3,4])  
  
[13] arr  
array([1, 2, 3, 4])  
  
[14] arr.ndim  
1
```




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```
[15] mat = np.array([[1,2,3],[4,5,6],[7,8,9]])
```

```
[16] mat
```

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

▶ mat.ndim

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