



deeplearning.ai

Basics of Neural Network Programming

A note on python/
numpy vectors

Python Demo

Python / numpy vectors

```
import numpy as np
```

```
a = np.random.randn(5)
```

既不是行向量也不是列向量
(5,) a 和 a.T 长一样

```
{ a = np.random.randn(5, 1)  
  a = np.random.randn(1, 5)
```

```
assert(a.shape == (5, 1))
```

不要用 (n,) 这种秩为1的数组