



deeplearning.ai

# Basics of Neural Network Programming

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A note on python/  
numpy vectors

# Python Demo

# Python / numpy vectors

```
import numpy as np  
  
a = np.random.randn(5)  
  
a = np.random.randn(5, 1)  
  
a = np.random.randn(1, 5)  
  
assert(a.shape == (5, 1))
```