



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)

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

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

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