

deeplearning.ai

Basics of Neural Network Programming

A note on python/ numpy vectors

Python Demo

Python / numpy vectors

```
import numpy as np

a = \text{np.random.randn}(5) \xrightarrow{\text{products} sample} \text{a.shape} = (5,1) \text{Because trying to do np. dat}(a.T,a) \text{Because trying to do np. dat}(a.T,a) of the sample number of (5 of squares)

<math>a = \text{np.random.randn}((5,1)) \xrightarrow{\text{local} single number} \text{So iy you do np. dat}(a.T,a) \text{So iy you do 
                  a = np.random.randn((1,5))
               assert (a. shape = (5,1)) \frac{1}{2} \frac{1}{2}
```