Note on Python/np vectors:

```
a = np.random.randn(5)
    a.shape = (5,)
    "rank 1 array"
```
} Don't use

```
a = np.random.randn(5,1)
    a.shape = (5,1)
    (col. vector)
```
} Use

```
a = np.random.randn(1,5)
    a.shape = (1,5)
    (row vec.)
```
} Use

Also:

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

a = a.reshape((5,1))
```

Wk 2 quiz notes

- A neuron computes a linear function followed by an activation function

- "Logistic loss": $L^{(i)}(\hat{y}^{(i)}, y^{(i)}) = -(y^{(i)} \log(\hat{y}^{(i)}) + (1-y^{(i)}) \log$

- x=img.reshape((32*32*3, 1))

- a= [· · ·], b= [·] [· · ·]

a= [· · ·], b= [·]