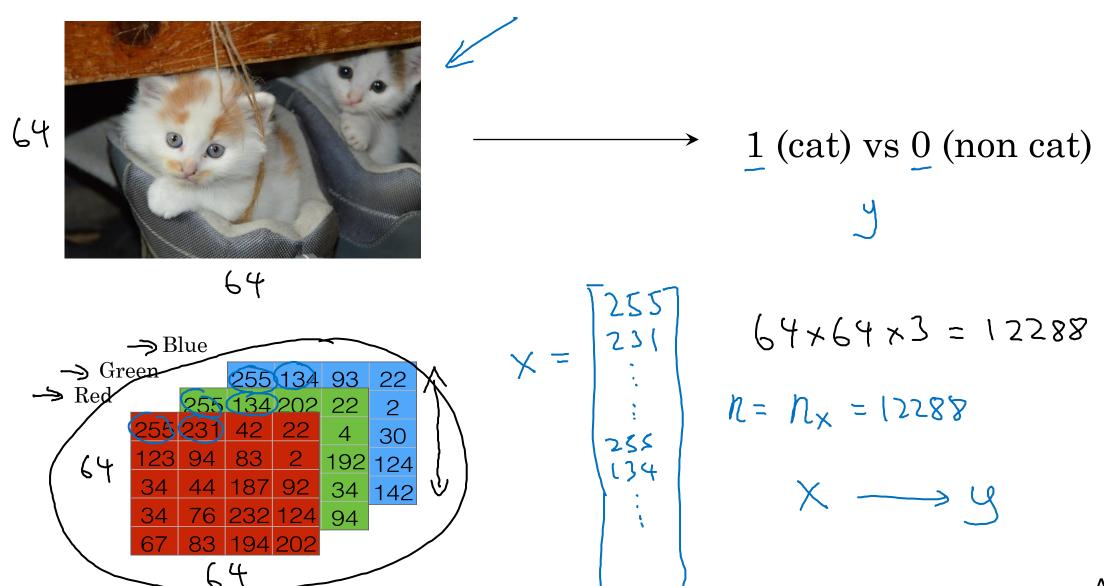


deeplearning.ai

Basics of Neural Network Programming

Binary Classification

Binary Classification



Andrew Ng

Notation

$$(x,y)$$
 $\times \in \mathbb{R}^{n_x}$, $y \in \{0,1\}$
 $m + rainiy examples: \{(x^{(i)}, y^{(i)}), (x^{(i)}, y^{(2i)}), ..., (x^{(m)}, y^{(m)})\}$

$$M = M + rain \qquad M + est = \# + test examples.$$

$$X = \begin{bmatrix} x^{(i)} & x^{(2i)} & ... & x^{(m)} \end{bmatrix}$$

$$X = \begin{bmatrix} x^{(i)} & x^{(2i)} & ... & x^{(m)} \end{bmatrix}$$

$$X = \begin{bmatrix} x^{(i)} & x^{(2i)} & ... & x^{(m)} \end{bmatrix}$$

$$X \in \mathbb{R}^{n_x \times m}$$

$$X \in \mathbb{R}^{n_x \times m}$$