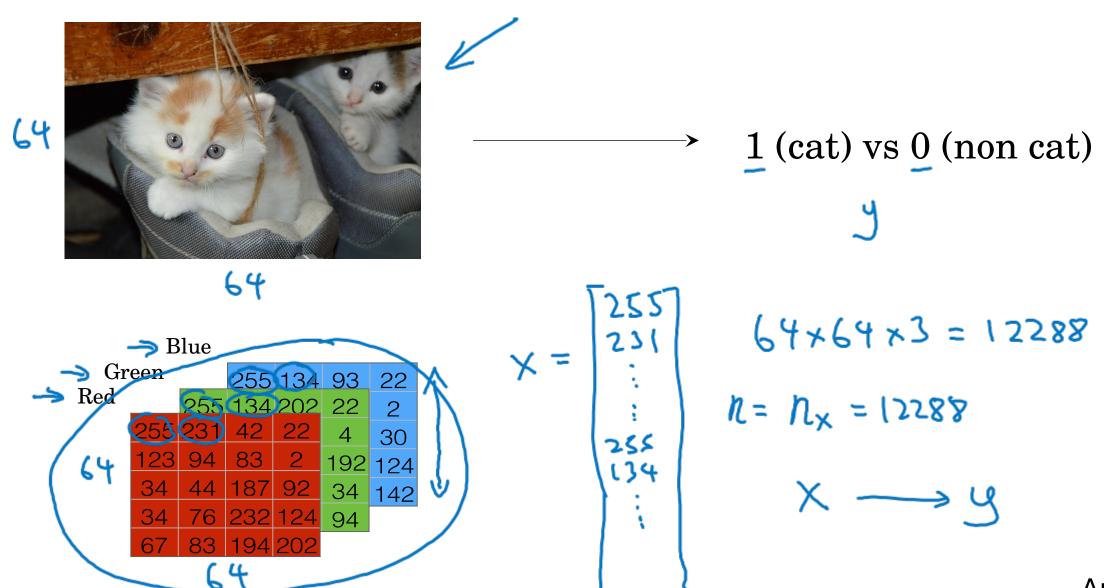


deeplearning.ai

Basics of Neural Network Programming Binary Classification

Binary Classification



Andrew No

Notation

$$(x,y)$$
 $\times \in \mathbb{R}^{n_x}$, $y \in \{0,1\}$
 $m \in \mathbb{R}^{n_x}$, $y \in \{0,1\}$
 $m \in \mathbb{R}^{n_x}$ $(x^{(1)},y^{(1)})$, $(x^{(1)},y^{(2)})$, ..., $(x^{(m)},y^{(m)})$ }
 $M = \mathbb{R}^{n_x}$ \mathbb{R}^{n_x} \mathbb{R}^{n_x}