deeplearning.ai

Basics of Neural Network Programming

Logistic Regression

Logistic Regression

deeplearning.ai

Basics of Neural Network Programming

Logistic Regression cost function

Logistic Regression cost function

$\hat{y} = \sigma(w^T x + b)$, where $\sigma(z) = \frac{1}{1+e^{-z}}$

Given $\{(x^{(1)}, y^{(1)}), \ldots, (x^{(m)}, y^{(m)})\}$, want $\hat{y}^{(i)} \approx y^{(i)}$.

Loss (error) function: