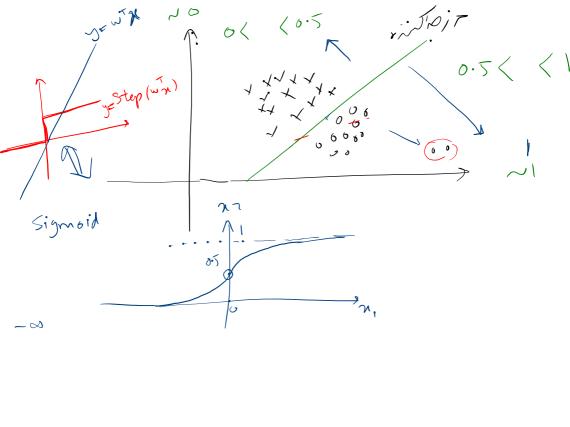


$$J(w) = \frac{1}{n} \sum_{i=1}^{n} \left[step(w x^{(i)}) + y^{(i)} \right]$$

$$J(w) = \frac{1}{n} \sum_{i=1}^{n} \left[y^{(i)} \left(1 - step(w x^{(i)}) \right) + \left(1 - y^{(i)} \right) \right] \left(step(w x^{(i)}) \right)$$

$$J' = 0 + step = 0$$



$$\begin{array}{c} \mathcal{S}(r) \\ \mathcal{N} \\$$

ずる ⇒6(2)→1

$$\frac{\partial G(x)}{\partial x} = \frac{1}{N} \frac{\sum_{i=1}^{n} \left(G(x_{i}^{T}x_{i}^{i}) - y_{i}^{(i)} \right)^{2}}{\left(\frac{1}{1 + e^{x}} \right)^{2}} = \frac{e^{x}}{1 + e^{x}} \frac{e^{x}}{1 + e^{x}} + \frac{e^{x}}{1 + e^{x}}$$

$$= \frac{e^{x}}{1 + e^{x}} = \frac{e^{x}}{1 + e^{x}} = \frac{e^{x}}{1 + e^{x}} + \frac{e^{x}}{1 + e^{x}} = \frac{e^{x}}{1 +$$

 $-6(x)=\lambda(-x)$

6(n) e (0,1)

 $\frac{2}{6(n)} = \frac{6(n)(1-6(n))}{6(n)} = \frac{2}{6(n)}$

5 e 20,17

$$J(\omega) = \frac{1}{n} \sum_{i=1}^{n} \left(\delta(\omega x^{(i)}) - y^{(i)} \right)^{2}$$

$$\omega = \frac{1}{n} \sum_{i=1}^{n} \left(\delta(\omega x^{(i)}) - y^{(i)} \right)^{2}$$

$$\omega = \frac{2}{2}\omega$$