Qz,

cas he have to minimize

$$L(\overline{w}) = -\sum_{j=1}^{N} y_{i} \log PCC_{i}|\chi_{i}\rangle + Cl-y_{i}\rangle \log Cl-PCC_{i}|\chi_{i}\rangle\rangle$$

$$W = LW_1, W_2,$$
and 
$$\overrightarrow{\chi} = \begin{bmatrix} 4 & 4 & 1 \end{bmatrix}$$

$$\overrightarrow{\chi} = \begin{bmatrix} 6 & 4 & 1 \end{bmatrix}$$

$$\frac{1}{1}$$
 =  $\frac{1}{1}$   $\frac{1}{1}$   $\frac{1}{1}$   $\frac{1}{1}$   $\frac{1}{1}$ 

Iteration 1: 
$$\sqrt{3} = [0, 20477, -0.35426, 0.68685]$$
  
accuracy =  $\frac{6}{7}$ 

(3,3)

(4,10)

is not orange

(9,8,1)

is orange

(9,8,1)

is orange

(d)

Advantage:

Logistic regression models are highly interpretable. The Coeficients of the model give a direct indication of the importance and direction of the feature on the probability being modeled.

Disadvanca je:

It only works on a linear boundry.