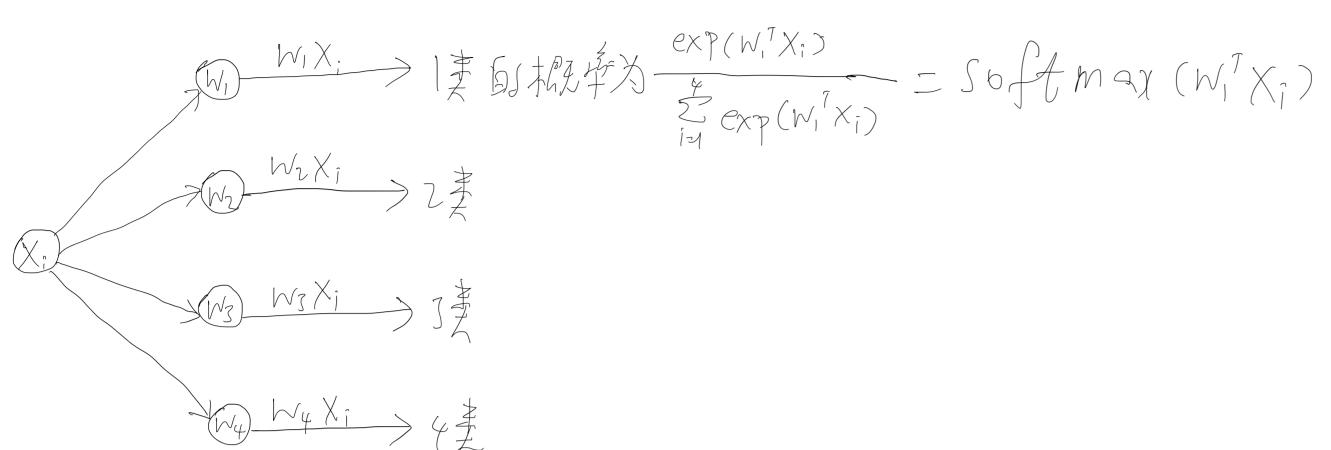
## softmax回归

2020年8月14日 星期五

$$P(Y=c|X) = Softmax(W_c^TX) = exp(W_c^TX) = 样文定文的概率$$
  $Y_{c=1}$   $Y_{c=1}$ 



某样x被误分更负5损失 
$$Loss(x) = -\frac{\sum_{i=1}^{n} Y_i \log_{i}(seftmax(wix))}{\sum_{i=1}^{n} Y_i \log_{i}(seftmax(wix))} = -Y_k \log_{i}(seftmax(w_k^T x)) = -Log(seftmax(w_k^T x))$$

$$= -Y_k \log_{i}(seftmax(w_k^T x)) = -Log(seftmax(w_k^T x))$$

$$= -V_k \log_{i}(seftmax(w_k^T x)) = -V_k \log_{i}(seftmax(w_k^T x))$$

$$= -V_k \log_{i}(seftmax(w_k^T x))$$

$$\overline{z}, \overline{z}, \overline{z}$$
  $\overline{z}$   $\overline{$ 

$$\frac{\partial J(w)}{\partial W_{t}} = -\frac{1}{N} \frac{\partial}{\partial W_{t}} \frac{\partial}{\partial W_{t}$$

$$(X_{t_{-new}} = W_{t_{-old}} + \alpha \sqrt{2} \chi_i (Y_t^{(i)} - Softmax(W_t^T X_i))$$
 (\$\frac{1}{2} \tau\_{1} \text{BIW BS} \text{\$\frac{1}{2}} \text{\$\frac{1}{2}}\$

$$\frac{e^{(W_{e}-\psi)^{T}x}}{\frac{\mathcal{E}}{\mathcal{E}}e^{(W_{i}-\psi)^{T}x}} = \frac{e^{W_{e}^{T}x}e^{-\psi^{T}x}}{\frac{\mathcal{E}}{\mathcal{E}}e^{W_{i}^{T}x}e^{-\psi^{T}x}} = \frac{e^{W_{e}^{T}x}e^{-\psi^{T}x}e^{-\psi^{T}x}}{\frac{\mathcal{E}}{\mathcal{E}}e^{W_{i}^{T}x}e^{-\psi^{T}x}} = \frac{e^{W_{e}^{T}x}e^{-\psi^{T}x}e^{-\psi^{T}x}e^{-\psi^{T}x}}{\frac{\mathcal{E}}{\mathcal{E}}e^{W_{i}^{T}x}e^{-\psi^{T}x}} = \frac{e^{W_{e}^{T}x}e^{-\psi^{T}x}e^{-\psi^{T}x$$