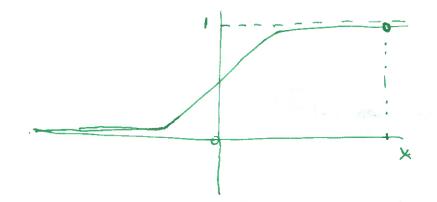
$$p(y=1) = \frac{1}{1-e^{-(w_0+w_1x_1+...+w_mx_m)}}$$

$$\sigma(x) = \frac{1}{1 - e^{-x}}$$



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X	o ×	1 × 2	. 5	
1	1	4	0	
j	3	, 8	O	
1	2			

$$\overline{W} = \begin{bmatrix} 1 \\ 1 \end{bmatrix}$$

$$\tilde{y} = \frac{1}{1 - e^{-(1+1+4)}}$$

$$\mathcal{L}(\Theta|\mathbf{D}) = \prod_{e \in D} P(y_e=1)^{y_e} (1 - P(y_e=1))^{1-y_e}$$

$$f = \frac{df}{ds} = \frac{df}{ds} \frac{dg}{dx}$$

$$1 - e^{-x}$$

$$-x = -(1-g)$$

$$g = \frac{1}{1 - g}$$
 $g = e^{-x} = -(1 - g)^{2} \cdot -e^{-x}$
 $= \frac{e^{-x}}{1 - e^{x}}$

$$\frac{\partial L}{\partial w}$$
: $\frac{2}{\cos Q} = \frac{2 \log (\bar{g}_e)}{\partial w_i} + (1 - g_e) \frac{2 \log (1 - g_e)}{\partial w_i}$

$$\frac{\partial \log (\hat{y}e)}{\partial w_{i}} = \frac{1}{\hat{y}e} \cdot \frac{\partial \hat{y}e}{\partial w_{i}} = \frac{1}{\hat{y}e} \cdot \frac{\hat{y}e}{\hat{y}e} (1 - \hat{y}e) \times e_{i}$$

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$$\frac{\partial L}{\partial \hat{g}_e} = \frac{1}{\hat{g}_e} - \frac{1}{1 - \hat{g}_e}$$

$$\frac{\partial \hat{y}_{e}}{\partial mL} = \frac{e^{-X}}{(1-e^{-X})^{2}} \qquad e^{-X}$$

$$e^{x} - 2e^{x}$$

$$\frac{e^{-x}}{(1-e^{-x})^2} \cdot \frac{e^{2x}}{e^{2x}} = \frac{e^x}{e^{2x} - 2e^x + 1} = \frac{e^x}{(e^x - 1)^2}.$$

$$\frac{2fg_{N}}{2g_{i}} \frac{2mL_{0}}{2g_{i}} = X_{e_{i}}$$

$$\frac{1}{1-e^{-T}} \left(\frac{1-e^{-T}}{1-e^{-T}}\right)$$

$$\frac{1}{1-e^{-T}} \left(\frac{1-e^{-T}}{1-e^{-T}}\right)^{2}$$

$$\frac{1}{1-e^{-T}} = \frac{1}{(1-e^{-T})^2}$$

$$\frac{1}{(1-e^{-T})^2} = \frac{e^{-T}}{(1-e^{-T})^2}$$