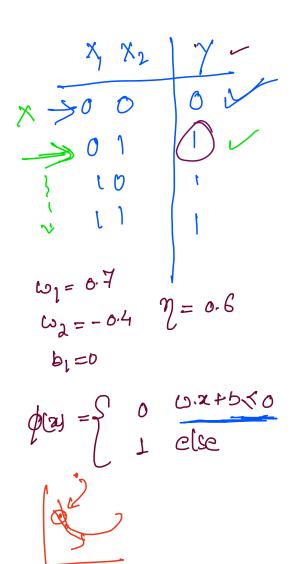
Percepton Learning > weights & bias CHyper-parameter > Policest 11-77: y soniginal } Imput possible W.2+6 ≤0 detivation function

Learning

$$\omega_i = \omega_i + \Delta \omega$$
 $\Delta \omega = \eta (y-y) x_i$

Hyper meles

$$\begin{array}{c}
\Omega R & \text{gale} \\
\Omega R &$$



$$\frac{2^{md} \cos e}{x_1 = 0} \qquad x_2 = 1$$

$$\phi(\Xi) = \phi(\omega_1 x_1 + \omega_2 x_2 + b_1)$$

$$= \phi(0x0.7 + 1x(-0.4) + 0)$$

$$= \phi(-0.4)$$

$$= 0$$
...

$$c_{00} = c_{00} + \Delta c_{00}$$

$$\Delta c_{00} = \Omega (y - y) \times 22$$

$$= 0.6 (1 - 0) \times 1$$

$$= 0.6$$

$$c_{00} = -0.4 + 0.6$$

$$= 0.2$$

b)

$$\begin{array}{c}
\omega_1 = \omega_1 + \Delta \omega_1 \\
\omega_1 = \omega_1 + \Delta \omega_1
\end{array}$$

$$\begin{array}{c}
\Delta \omega_1 = \alpha_1 + \Delta \omega_1
\end{array}$$

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$$\begin{array}{c}
\omega_1 = \omega_1 + \Delta \omega_1
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$$\begin{array}{c}
\omega_1 = \omega_1 + \Delta \omega_2
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\omega_1 = \omega_1 + \Delta \omega_2$$

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\end{array}$$

$$\begin{array}{c}
\omega_1 = \omega_1 + \Delta \omega_2$$

$$38d$$

$$a_{1}=1$$

$$a_{2}=0$$

$$\phi(z) = \phi(a_{1} \times o.7 + oxw_{0} + o)$$

$$= \phi(o.7)$$

$$= 1$$

$$\frac{2}{2} = \frac{1.5}{5}$$

$$\frac{2}{5} = \frac{1.5}{5}$$

$$\frac{2}{5} = \frac{1.5}{5}$$

$$\frac{2}{5} = \frac{1.5}{5}$$

$$\frac{2}{5} = \frac{1.5}{5}$$

$$= \phi (\phi)$$

$$= 0 \checkmark$$

$$\begin{array}{c|cccc} X_1 & X_2 & Y \\ \hline 0 & 0 & 0 \\ \hline 0 & 1 & 0 \\ \hline \bot & 0 & 0 \\ \hline \bot & 1 & 1 \\ \hline \end{array}$$

$$\begin{cases}
0, & 0 = 1 \\
1, & 0 = 1
\end{cases}$$

$$2^{\text{nd}} \frac{\text{Case}}{X_1 = 0} \qquad X_2 = 1$$

$$\phi(z) = \phi(ox_{\omega_1} + 1x_{\delta,3} + o)$$

$$= \phi(ox_{\omega_1} + 1x_{\delta,3} + o)$$

$$= \phi(ox_{\omega_1} + 1x_{\delta,3} + o)$$

$$\phi(\xi) = \phi(1x_1.\xi + 0x\omega_a + b_1)$$

$$\omega_1 = \omega_1 + \Delta \omega_1$$

$$\Delta \omega_1 = \eta (y-y) z_1$$
= 0.7 (0-1) x 1

 $\frac{NOt}{a_1} = \frac{N/Y}{1}$ $\frac{1}{2} = 0$

21 0 (m) (2 1p) ->

\$ = \$ 0 Co. 71+6 < 0 1 8 therease