



$$\mathbb{O}^{\frac{1}{2}} \int \left( \mathsf{W}_{\mathsf{L}} \big( \mathsf{t} \big( \mathsf{M}_{\mathsf{L}}^{\mathsf{X}} ^{\dagger} \big\rangle_{(0)}^{\mathsf{l}} \big)^{\dagger} \mathsf{P}_{(\tau)}^{\mathsf{l}} \big)^{!}$$

Let Loss function = L(X)

$$\text{Ter}(\text{D}(W_{\downarrow}(t(M_{\downarrow}X+\rho_{(j)})+\rho_{(1)})^{!})\lambda)$$

Author: Nigel Nelson Date: 3/22/22



$$X = 3x^{1}$$

$$V_{1} = 3x^{2}$$

$$V_{2} = 2x^{3}$$

$$V_{3} = 2x^{3}$$

$$V_{4} = 3x^{4}$$

$$\lim_{x \to \infty} \left[ \frac{1}{x} \right] = \lim_{x \to \infty} \left[ \frac{1$$

$$h = f(n) = \begin{bmatrix} 1 \\ 1 \end{bmatrix}$$

$$V^{2}\begin{bmatrix} 1 & 0 & 1 \\ 1 & 0 & 1 \end{bmatrix}\begin{bmatrix} 1 \\ 1 \\ 1 \end{bmatrix} + \begin{bmatrix} 1 \\ 0 \end{bmatrix} = \begin{bmatrix} 2 \\ 2 \\ 2 \end{bmatrix} + \begin{bmatrix} 1 \\ 0 \end{bmatrix} = \begin{bmatrix} 3 \\ 2 \end{bmatrix}$$

$$\int_{-\infty}^{\infty} \frac{1}{N} \left\{ \left( y - V \right)^{2} = \frac{1}{2} \left( \left( 2 - 3 \right)^{2} + \left( 2 - 2 \right)^{2} \right)$$

$$= \frac{1}{2} \left( \left( 1 + 0^{2} \right)$$

$$= \frac{1}{2} \left( 1 \right)$$

$$= \frac{1}{2} \left( 1 \right)$$

Date: 3/22/22

Date: 3/22/22

$$X = \begin{bmatrix} -3 \\ 4 \end{bmatrix} \quad W = \begin{bmatrix} -1 & 3 \\ 3 & 2 \\ 4 & -\lambda \end{bmatrix} \quad b_1 = \begin{bmatrix} -3 \\ 4 \\ 0 \end{bmatrix} \qquad y = \begin{bmatrix} 4 \\ 2 \end{bmatrix}$$

$$M = \begin{bmatrix} 3 & 2 & 1 \\ -1 & -\lambda & -3 \end{bmatrix} \quad b_2 = \begin{bmatrix} 5 \\ 4 \end{bmatrix}$$

$$h = W \times + b_1 = \begin{bmatrix} -\frac{1}{3} & \frac{3}{2} & -\frac{1}{3} & -\frac{1}{3} \\ \frac{1}{4} & -\frac{1}{2} & -\frac{1}{4} & + \begin{bmatrix} -\frac{1}{3} & -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{4} & -\frac{1}{3} & -\frac{1}{3} & -\frac{1}{3} \\ -\frac{1}{4} & -\frac{1}{3} & -\frac{1}{3} & -\frac{1}{3} & + \frac{1}{3} & +$$

$$h = f(n) = f\left(\begin{bmatrix} \frac{3}{3} \\ \frac{1}{3} \end{bmatrix}\right) = \begin{bmatrix} \frac{9}{3} \\ \frac{3}{3} \end{bmatrix}$$

$$V = Mh + b_{\lambda} = \begin{bmatrix} 3 & 2 & 1 \\ -1 & -\lambda & -\delta \end{bmatrix} \begin{bmatrix} 12 \\ 3 \\ 0 \end{bmatrix} + \begin{bmatrix} 5 \\ 4 \end{bmatrix} = \begin{bmatrix} 4 \\ -18 \end{bmatrix} + \begin{bmatrix} 5 \\ 4 \end{bmatrix} = \begin{bmatrix} 4 \\ -14 \end{bmatrix}$$

 $=\frac{1}{4}(2,los)$ 

= 1,052.5

$$S = \lambda(s_1 + s_2) = 0.01 (43 + 28)$$
  
= 0.01.71  
= 0.71