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d a [2] Y= sigmoid (x) 2021-12-26 08:48et

Schlumberger

Cairo Training Center

$$= \begin{bmatrix} 0.1 & 0.2 & 0.3 \end{bmatrix} \begin{bmatrix} 3 & 2 \\ -0.1 & 0 & 0.2 \end{bmatrix} = \begin{bmatrix} 0.31 \\ -0.32 \end{bmatrix}$$

$$F) Cost: L = -(y log \hat{g} + (1-y) log (1-\hat{g}))$$

$$= -(1 \times ln (1-0.5070))$$

DL = (a: [2] y)(a: [1]) = (0.5078-0) * [0.5769 0.4207] a = 0, 5078 # 3 L/3 a^{C13}=(0.5078* [6.2 -0.2))= [0.10156] e^[0.5769]
3 L = [0.10156] (1-0.576)
3 Z^{C13} [-0.10156] (1-0.576)

Cairo Training Center) Gradient descent &-6.6963 6.195753 20.0763 2.47×10-4 0.19987 [0] - 0:05 × [0:0247] - [-1.235 × 10

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