Page Tonaining Set: S(x(i),y(i)) P(y(i) | x(i),0) = 1 exp((0Tx(i)) y(i)-e0Tx(i)) 1:(0) = log (P(y(i) | x(i);0) $= \log\left(\frac{1}{4!}\right) + \left(0^{\mathsf{T}\times(1)}\right)y^{(1)} - e^{0^{\mathsf{T}\times(1)}}$ $\nabla_{0} l_{i}(0) = (x^{(i)})y^{(i)} - e^{O^{T} \times (i)} \times (i)$ $= \left(y^{(i)} - e^{O^{T} \times^{(i)}}\right) \times^{(i)}$ 0:= 0 + × Voli(0) 0:= 0 + × (y(1) - e0Tx(1) × (F)

Date