





M T W T F S S
Page No.:
Date:
YOUVA Red , g(x) = max(0,x)> why don we need non-linear activation from 2/2 = Z = Cinera.

2/2 we use Great activation function the non behaves
20 good as and if there is no holder fayer,
10 hidden layers are useless g'(2) = 10 , 1 z = 10 Leaky Rell, g(z) = man (0.0/z, z) The HER you may use linear activation. $g'(2) = \begin{cases} 0.01 & 250 \\ 0.01 & 2>0 \end{cases}$ -> Desintie g(z) = 1 = a=g(z) > Back Propogation dzω = 1 dzω A(1) T g (x) = dg(z) = g(z) (1-g(z)) = a(1-9) db = 1 np. sum (dz w, axis = 1, Repolins = True) 4 to grevent $g^*(z) \times e^{*z} - e^{-*z} = \text{tos h(w)}$ Rank I amy d Z(1) = war de(1) x g(1) (20) g'(z) = dg(z) = slope of g(z) at an z $= 1 + (tanh(z))^{\frac{1}{2}}$ $d\omega^{(1)} = 1$ $dz^{(1)} \times 1$ $db^{(2)} = 1$ $pp sun (dz^{(1)})$ arise! neep directive) g(2)= 1 - At

