NN chapter & Excercise.
Back Propagation with single neuron 1 According to sigmoid function 6 (x) = 1 As per given excersise function f is other than sigmoid fundion. i.e. we con replace, (x) 7 Hice (x) () x= Z wix; + b According back propagation algo. Qr = 100,0,(5,) 21 1 here L=1 as single layer &= Vac.f'(t)

output error Back propogate error St - (w1+1) To 1+1 (o 6'(2) - according to Blago. here d = 1-1, 1-2 single layer. J=11-1=0. So = (w') T S1 O F1 (Z0) tinal gatput: gradient of cost function is given by 8 dc = a 1 -1 or and dc - di