

(i) Hinge Loss Loss = mox (0, 1-yp yt) 2 = [ max (0, 1-ypyt). o (W4 H3)] 2 (W4H3) Assume Sy DW4 = S4 D (W4 H3) = S4 H3+ DL = max (0, 1- yx yt) 300 = [ S4W4 . 5 (W3 H2)] H2T = 8 7 HZ 2 = [83 W3, & (W2 H,)] H, T Similarly. 1 = [52 w2+, o (w, x)] x.