

where z = fearing Rate

P.J. 0

Semlarly, Tw2=23SE = - 21(JSE - ND) 1 Vwz = 2SSE = -2N(X2VSSE -) Log we have bound the Gradiend descent w.r. t all weights

So, coefficient whole are TWO THE WOT HLY JSSE Wenz (الأران) W, T+1 = W, + 2 Le - N'JSSE en (j W2T+1= W2 + 2221 JSSE [W3 T+1 = W3 + 22 71,72 JSE The add a ridge regularisation forally? Wo = Wo + 2 × JSSE ) heralty hor menalty hor menalty hor W2 [+] = W2 [+2474 [55E +22 W2 W2 = W3 + 221,71255E+ 2 3 W2 where L= learning rote
2 = regularization constant