output = act (w3x act(w2x act(w1x upu)) 3 output: 2 output * 2 holden 2 50, holden 2 holden 1 = 2 2019109 x 2 outpul x 2 holden, x 2 chidden a coulput dielden 2 acholden, aw, cactual coutput - car, peredicted - p. dovor = J = 1 (\$ - at)2 = 0 - 9 = (p, -at) drý dw is

() o p = 1 () - p =) derivature of Signification 3 pg = pg (1- pg) 2 pa awig awig 2 = (\(\phi_j - \ait) + \(\phi_j \) \(\frac{\partial}{\partial} \) \(\frac{\partial}{\partial doway of dzy dway adi = Wi * azig dzi dzi -zi(1-zi) dzi

dzi dwii dzy awy. z-j = sigmoid(z-i)

