Adilya Sawant 17(510060 9; (3-1, 13 i=1, ... N ni ERd 0117 wich $\hat{y}_i = tanh (\omega.71i)$ los = = 1(y, g) + >1/w1/2 1651 - 2 / 110112 + 7 loge (1+ exp (-4; -4;)) 2 Nw + \(\frac{1}{2} \) \[\log_e (1+exp (-y; y;)) \] - 2 hw + 2 - 4: 6 3 tanh (N; w) = 2 \w + \frac{1}{2} (-48) \frac{-4.9}{6} (1 - \tan h (\gamma; \omega)) (\gamma_i) $\frac{1}{1+e^{-y_1y_1}} = \frac{1}{1+e^{-y_1y_1}} = \frac{1}{1+e^{-y_1y_1}}$ $\omega^{t+1} = \omega^{t} - \eta \left[2\lambda \omega' + \frac{1}{2} - 9ie^{-9i9i} (1 - 9i^{2}) / \eta_{i} \right]$ $\omega_{t+1} = \omega_{t} \left[1 - 2\lambda \eta \right] + \sum_{i=1}^{p} \frac{e^{-9i9i}}{1 + e^{-9i9i}} \left(1 - 9i^{2} \right) \left(\pi_{i}^{*} \right)$ Forstochastic gradient descent take N=1