Guadient descent for logistic Regression. We used unin J(0): Repeat until convergence \mathcal{E} $\partial_j = \partial_j - x \frac{\partial}{\partial \theta_j} (J(0)) \quad (for j=0,1,2...,m)$ & (simultaneously update all Oj°) 20; J(0) = d (-1 & y" log (ho (n"))) = 1 \(\langle 00, Repeat & ho(n)= 1+e-ota

D.o. - A-Oj: == Oj - X \(\land(i) \) -y(i) \\ \(\for j=0, \), \(\cho\) \(\for j=0, \), \(\cho\) I (simuntaneous update all Oj) A Looks udentical to linear regression even though hypothesis func => ho(n) = On & ho(n) = 1+e-orn Linear Rogressian logistic Rogressian