

Regularization. J(0)== = [[[[ho() -y()] 2+ 7 = 0;]] A is too large > overfitting > no pendty to overfitting a is too large > underfitting > make 1 is too simple. Regulatized Linear Regression. Gradifent descent: Normal Equation same as Original LR Repeat of $\theta_0 := \theta_0 - 2 \frac{1}{M} \sum_{i=1}^{M} \left[h_{\theta}(\mathbf{x}^{(i)}) - y^{(i)} \right] \chi_0^{(i)}$ の:=の-a|計器[he(xc))-yn)[xg)+ 品の $\theta = (X^T X + \chi^C)$ のが (ト 2分) の - 一一一一一 [ho(か)・3つ] ない 1 rompensation for regularization Regulatized Logistic Regression. $h_0(x) = 1 + e^{-6x}$ a Gradient descent: Same as the Regularized Linear Regression. But ho(x) is differen min J(0) = - In Zin [yai tog (ho(xi))+(+yai) log(+ho(xi))]. Oct 18,2018