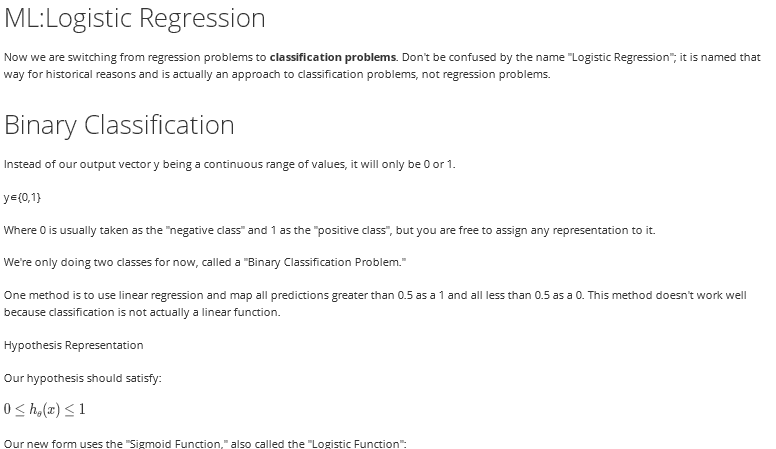
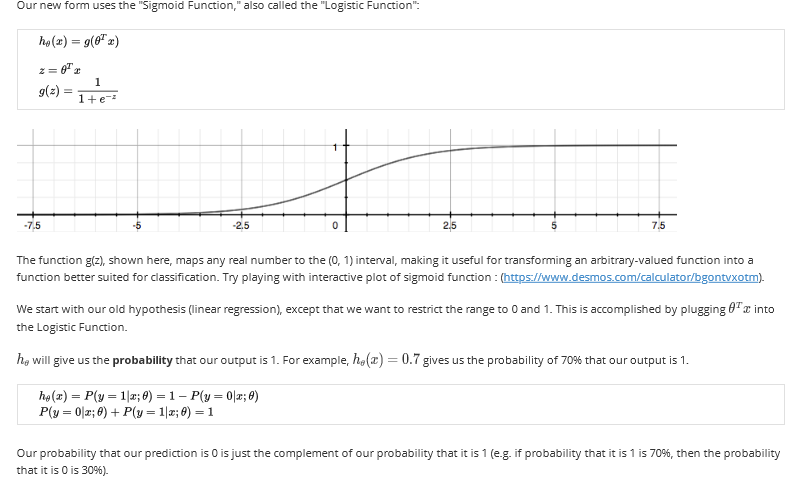
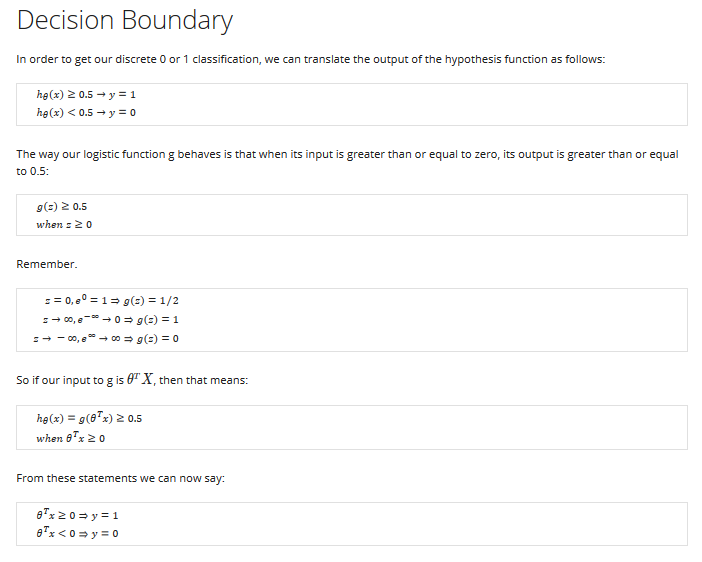
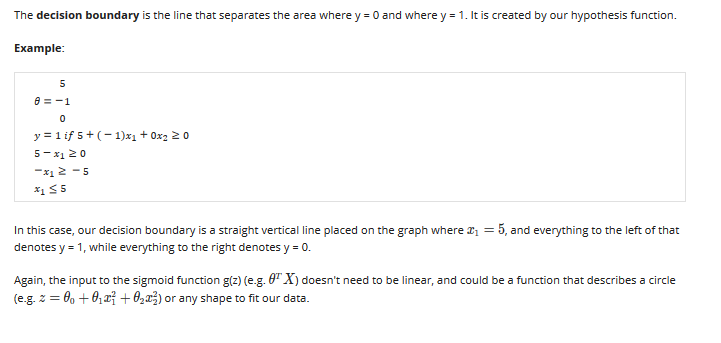
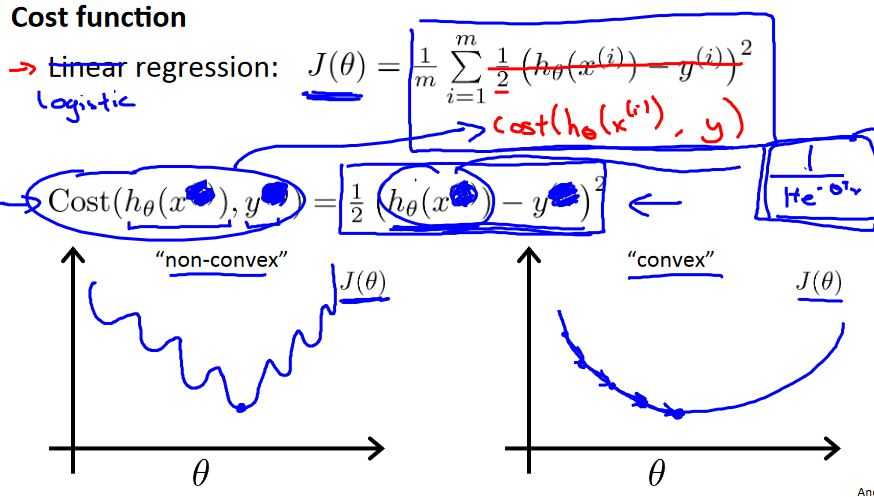
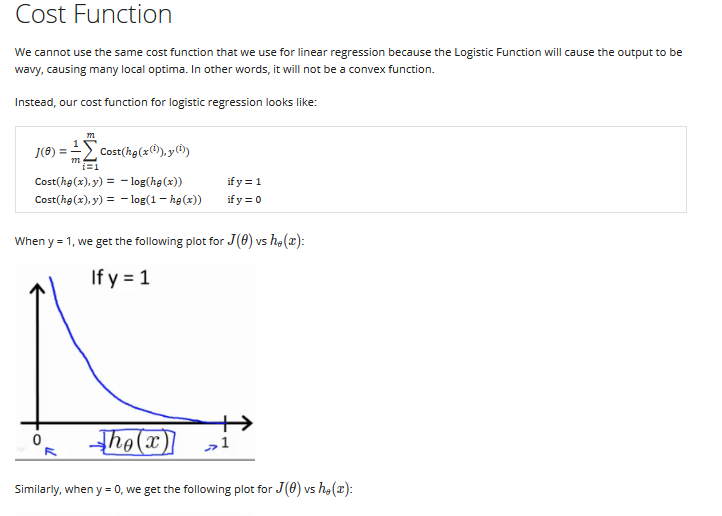
Logistic regression:

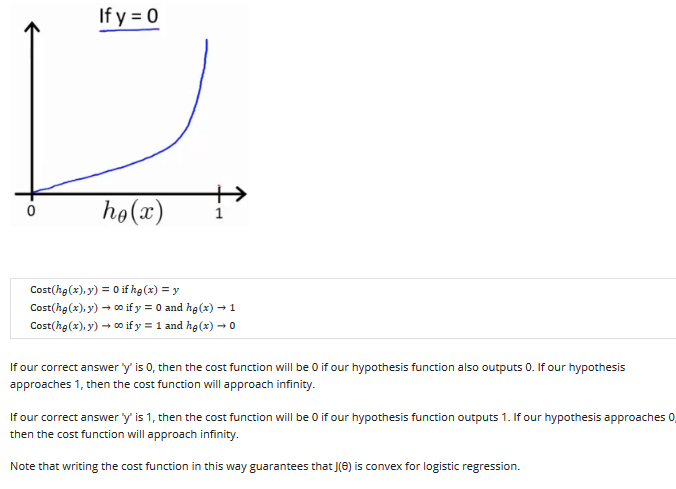


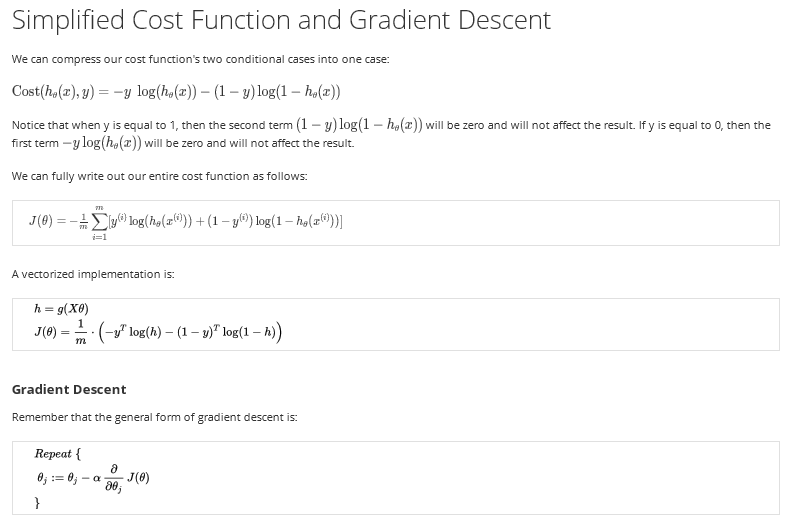


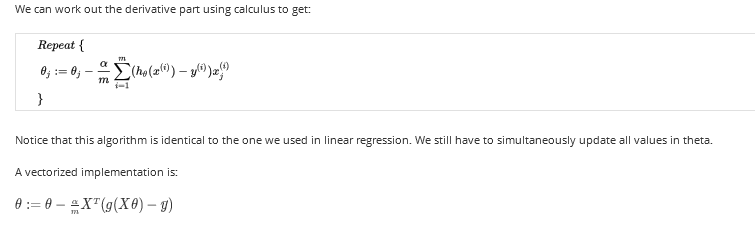


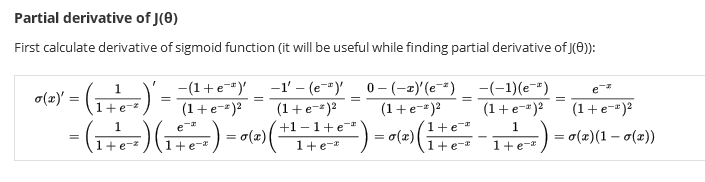


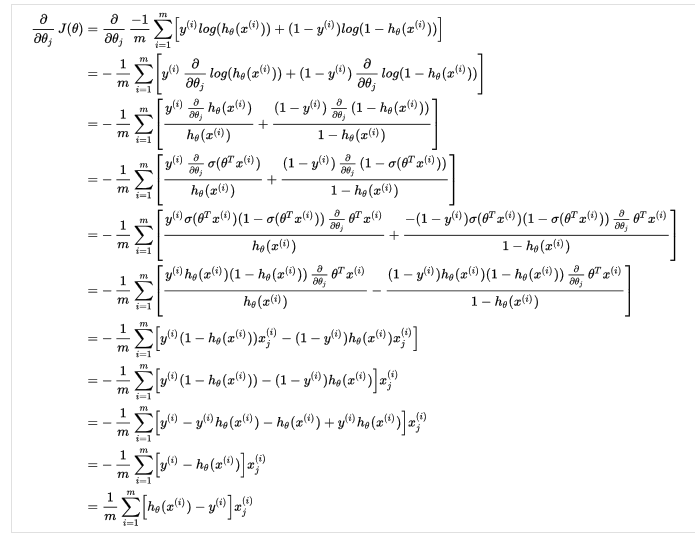


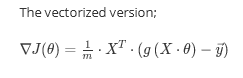




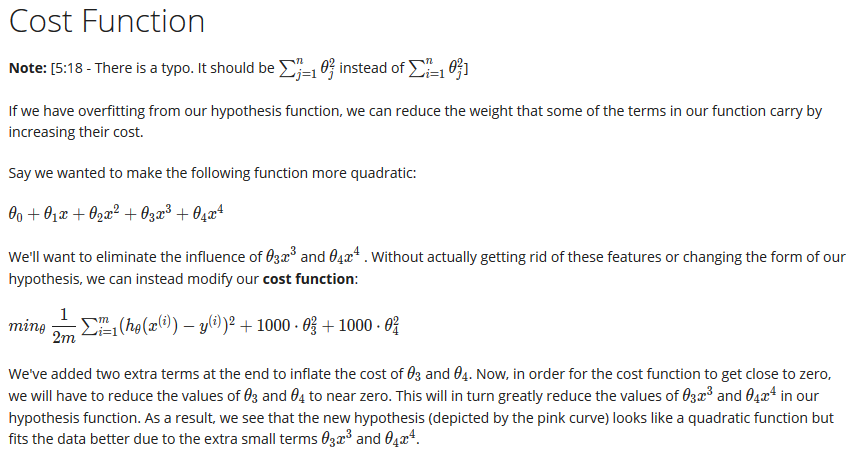


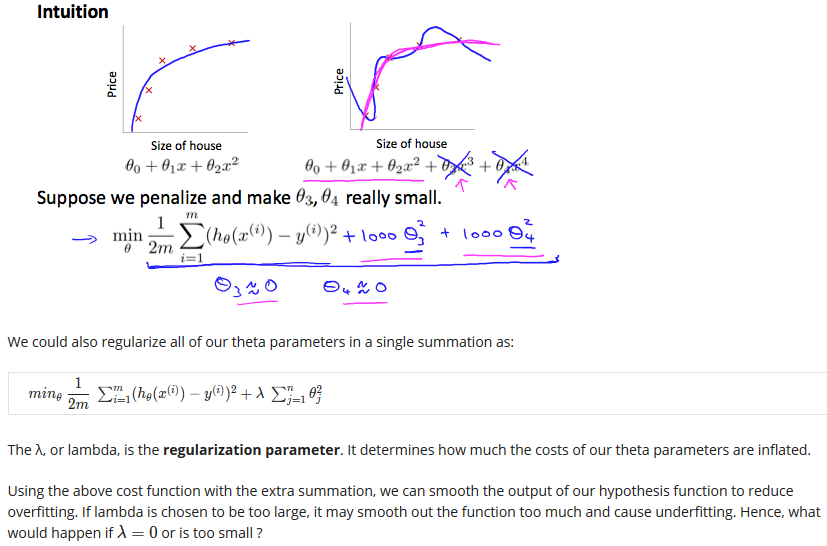




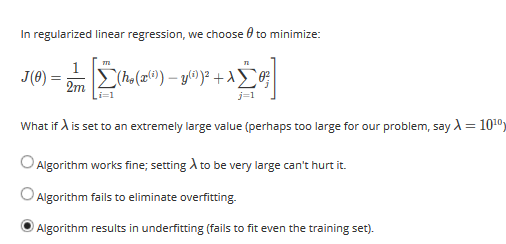


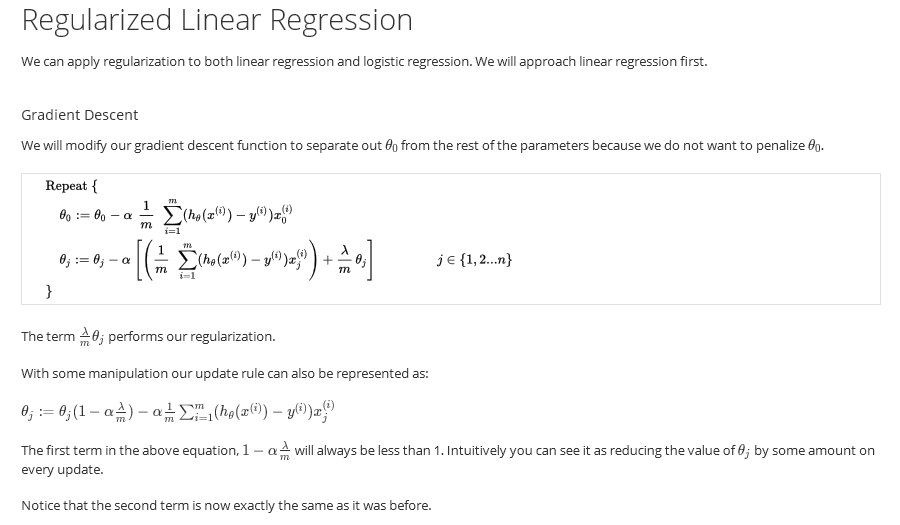
Regularization:

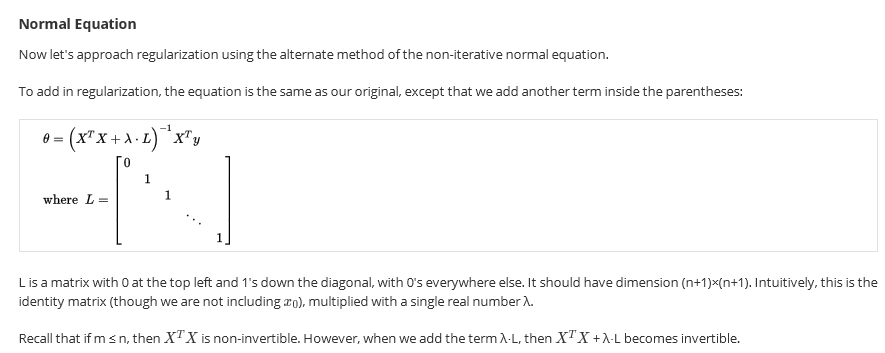


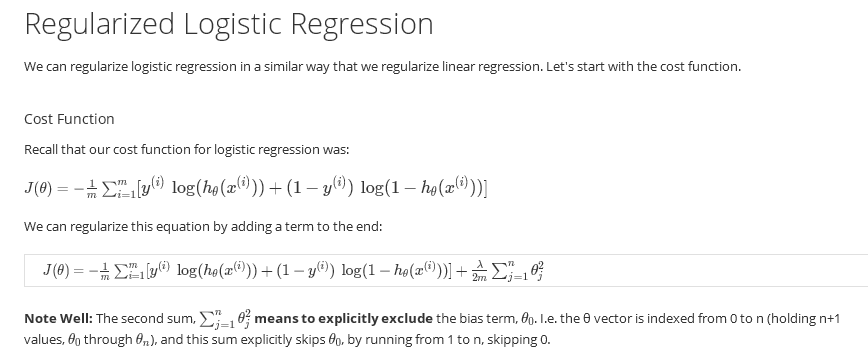


No effect at all in our cost function









h\_x= sigmoid(X\*theta)

temp\_theta=theta

temp\_theta(1)=0

J=-1/m \* sum( y.\* log(h\_x) + (1-y).\* log(1 - h\_x)) + lambda/(2\*m)\*sum(temp\_theta.^2)

