Find Indices of Positive and Negative Examples

pos = find(y==1); neg = find(y == 0);

help find

Return a vector of indices of nonzero elements of a matrix, as a

row if X is a row vector or as a column otherwise.

% Plot Examples

plot(X(pos, 1), X(pos, 2), 'k+','LineWidth', 2, ...

'MarkerSize', 7);

plot(X(neg, 1), X(neg, 2), 'ko', 'MarkerFaceColor', 'y', ...

'MarkerSize', 7);

Pos will store all values where y =1

Neg will store all values where y=0

Plot(X,Y,k(black + crosshair))

X (pos[y=1],examscore 1 , pos[y=1] exmscore 2) Jis Jis ka exam score positive (y=1) then plot examscore 1 (X- axis) and exmscore 2 (Y-axis)

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

predictions = sigmoid(X\*theta);

CostFormulaPart1 = -y.\*log(predictions);

CostFormulaPart2 = (1-y).\*log(1-predictions);

J = (1/m) \* sum(CostFormulaPart1-CostFormulaPart2);

grad = (1/m) \* (X'\*(predictions-y));

vs

Didn’t work at all

grad(1)=(1/m)\* sum(X.\*repmat((h\_x-y),1,size(X,2)) );

-- repmat (A, M, N)

Form a block matrix of size M by N, with a copy of matrix A as each

element.