Adv. Optimisation (for new cost func⁰)

function [jVal, gradient] = cost Function (theta)
    jVal = [code to compute $J(\theta)$]; $\longrightarrow$ new cost funcⁿ
    gradient (1) = [code to compute $\frac{\partial}{\partial \theta_0} J(\theta)$];
    gradient (2) = [code to compute $\frac{\partial}{\partial \theta_1} J(\theta)$];

    $\vdots$

    gradient (n+1) = [code to compute $\frac{\partial}{\partial \theta_n} J(\theta)$];

$\longrightarrow$ fminunc (@ costFunction, ····)
        ↳ for applying