

OM = - 1 & (Y; - MX; C)X; = -0-75264 Step 5! $\frac{\partial f}{\partial c} = \frac{-i}{2} \frac{2}{2} (y_i - m x_i - c) = -3,7632.$ $\Delta m = -\eta \frac{\partial c}{\partial m} = -(0.1)(-0.76264) = 0.076264$ Step 6: DC=- M2G = -(0-1) (-3-7632)= 0.3.4632. Stept m= m+ 1 m= 1-084+0-075264=1-159264 C=C+DC= -0, B8+ 0, 37632= -0,20368 Steps: battoch = batch+1 = 2 Step 9: if (batch 21b) 2 2 2 goto next step Step 101 iter=iter+1=9 step 11: ef (itel = no-ofepoch) 2 > 2 goto next step Step 12, m, c = 1, 15924, -0.20366 MSE = 19-46304861