-Assignment 3: Monval calculations

Step 1 . [254] sepochs 2, n=0.1, m-156-1

Step D: Her=1

Step 3: sample=1

Stop 4. Grof E= 1/2 3.4-(1x0.9-1)] = 0.2 x(3.40.8) = 8.8-

 $\frac{\partial \mathcal{E}}{\partial m} = -(y_i^0 - m\chi_i^0 - c)\chi_i^0 = (3 \cdot 4 - c)(0 \cdot 2) - (-1)(0 \cdot 2)$   $= -(3 \cdot 4 - 0 \cdot 2) \cdot 2 = (4 \cdot 2)(0 \cdot 2) = -0.84$   $\frac{\partial \mathcal{E}}{\partial c} = -(y_i^0 - m\chi_i^0 - c) = -4 \cdot 2$ 

Step 5: Am=-Ddf = (-0.1)f0.84)= 0.084 A(=-Ddf=-(0.1)f0.84)=+0.42

step 6: m=m+am = H0.0841.084 C=C+ac = - 170.40=-0.5

slep + . Sample- sample + 1+1=0

step 8: samples total no of sample = True
go to step 4

Step 4: y = (1.084)(0.4) - 0.58 = -0.1484  $e = (0.5)(3.8+0.1464)^{2} + .79$   $\frac{\partial e}{\partial m} = -(3.8 - (1.084)(0.4) + 0.58)0.4 = -1.58$  $\frac{\partial e}{\partial m} = -(y_{1}^{*} \cdot mx_{1}^{*} - c) = 3.94$  steps: Am -- nde = -(0.1) (-1.58) = 0.158 DC-- 126 = - (0.1) (-3.94) = 0.394 Step 6:- m = ma Am = -(001) (-1.68) -0.158 C= C+AC=-0.88+0.394=-0.186 Slep 7: Sample = St=3 Step 8: sample = 3 700 of samples go to next step Step 9: Pter=Pter+1=1+1=7 step 10: îter Lepaches go to step 3 step 3: sample=1 step 4; Y= (1.043)(0.3)+(-0.186) = 0.0634 €= \$ (3.4-0.0684)=1.6888 de = (3.4-0.0624)0.3 = -0.66750 3c =-3.3378

Step 5: am=-nat =-(0.1)(-0.66752) = 0.86752 AC= -(0.1)(-3.3376) = 0.3376)

step 6: m=m+0m= 1.242+0.66762=1.90952 C= C+10= -0.186+0.3376 = 0.14776

Step 7: Sample 14-2

Step 8: sample x no or samples go to step 4 step 4: 26 = (3.8-(190952X0.4) - 6-14776 X04) = -1.186342