Assignment - 4 (A) apsara Date:____ Sample -Treration -1 xi yi 7.6 157 7.1 1124 [7.6,157] N=0.01, M=1, C=-1 $\frac{\partial E}{\partial m} = (-y^2 - mx^2 - c)(-z^2)$ = (157-76-(-1))(78) de c=i =- (-y, a - mei a -c) = -(157 - (1)(7.6) - (-1))= 150.4 Step3: DM = - n dE = 11. 430 DC = - 2 dE = 1,504 Stepy m=m+Am=1+(-11.43)=-10.43 C = C+DC = -1+(1.504) = 0.504

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Therefore apsard

S1:
$$[7:(,157), \eta = 0.01, m = -10.42, c = 0.504]$$

S2: $dE \mid = (156.496 + 39.332)(7:61)$
 $dm \mid m = 10.43$
 $= 1394.955$
 $dE \mid = -235.86$

S3: $Dm = -\eta dE = (-0.01 \times 1394.955)$
 $dm = -1399$
 $dm = -1399$

step2: dE | mei = (a y, a - mri. Bate: C). - xi. a = (175-71)(77) de (== - (y; a - m); a - c) = - (174-(7.1) - (-11) = - 16.7.9 Step 3 DM = -7 dE = - (0.01) 1192.09 = -11.920 DC = - 7 dE = - (0.01) (-1.67.9) = 1.679 Step4: D. M = m + DM = -10.920 c = c + D c = 0.629 I teration-2 Step1: [a.1,124], 1 =0.01, m=-10.92 C = 0.67

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apsara

$$DM = -\eta \frac{dE}{dm} = -17,810$$

$$m = m + 0 m = -38.43$$