Assignment-11 Let us consider a sample dataset have 1910 (xe) and , of (1, a) and number of sample u. Develop a sample 19nou soposion model using Westoron Andrewood anaton (ma) Sampleti) XAV NA 0.2 34 4-2 - Do manual Calculation for 2 iteration with first 2 samples Step 1: [x,y], m=1, c=-1, 2=0.1, epochs=2, 8=09, Nm=100, 152 Dep2: ite=10 Stop3: Sample=1 Staru: 3m= 3E = - (A: - (W+J/W) 4: - (C+2/C)) x! = - (3.41 + (097(0)) 0.2-(-1+(09)(0))) (0.3) 9m=-084 gc= DE = - (2: - (243/4)/11 - (C+3/6)) =-(3.4-(140.97(0))0.2-(-1+(097(0))) gr = -4-2 Steps: Vm= Nm-19m = (09)(0)-(-0.1)(-0.84) Ym=-0.081 200-148 = 2V = (0.9)(0) - (-0.1)(-4.5) V = -0.42

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Step 6; we with = 14 (-0,08A) = 0.010
      C=C+NC = 11-0.00 = -1002
Stop : Sample = sampled = 1+1=2
Steps; It (Sample > 12)
            252 -7 Jalse
              goto step y
Stora, du= OE = -(8-8-(0-818)+02)(-0081)) 0.1
                  - [-1-42+(09)(-0-42))) 0-4
       9m = -2-loy
         3c = 3E = - (3.8-(0.4484(00)(-0.021)(0.11)
         - 4.12+(0.97 (-0.42)))
Z - (2914+ 1·798)
            90 = -11-712
Step 5: Vm = 8 m - 19m
           = 109) (-0.084)-(-0.1) (-2.64)
        Vm=-0.226
        NO = AVC - Pac
             (09) (-0:42) -(-0:1) (-4:712)
          N=-0.80)
Step6: m=m+ 1 m= 0.916-0.286 = 0.63
          C = C+VC = -1.42-0.849 = -2.269
Step ?: Sample = Sumples = 2+1=3
Step 8; Pt (Samplesing)
             3>2 Trup
             golo nent step
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Stepa: ita=ita+ = 1+1=2
Step 10: If (iter sepochs)
              2>2 folse
             3090 Heb 3
Step 3 : Sample=1
Step U: 3m= DE =- (8·U-(0·63)+(09)(-0286)) (0/2)
                              - (-2029+ (09) (-0.849))) 0.2
             9m=-1-271
          9c = DE = - (3U-(0'63' £0A) (-0'286)) (0'2)
                         - (-2.269+ (019) (-0.86A)))
                  90 = -63581
Stars: Vm = VVm-19m
             =(04) (-0.286) - (-01) (-1.271)
          Vm=-0-1384
         Vc = 8 vc - 290
             -(0.9) C-0.849)- (-b.2-6.3581)
         VC = -1.399
step6: m=m+1m=0.63-0.384=0.246
         C= C+VC = -2269 - 1-349 = -3.668
 Ster 7: Sample = Sample+ 1 = 1+1=2
            if (Sample xrg)
                   272 Jalsp
                goto Stee 4.
            9m = \frac{3E}{3m} = -\left[3.8 - (0.206 + (0.9) (-0.384)) (0.9) - (-3.668 + (0.9) (-1.399)) (0.9)\right]
 Step 4:
               9m= -3.506
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3c=3c=-13.8-(0.500) + (02) (-0.3811) (0.1)
                        - (-3.668+(042(-1.399)))
         30 = -8.766
steps: Vm = 9vm-19m = (09) (-0384) - (-0.1)(-3.36
        Vm = -0.696
   VC = 1 VC - 191 = (0.9) (-1:399) - (0.1) (-8.766)
              V1=-2.1357
Step 6! mer = 6.26 + (-0.696)
      m==0.45
          C=C+VC =-3.668+(-2.1357)
                C=-5.803
  Step 7: Sample = Sample+1
                =241 = 3
  Step 8: 17 (Sample > 19)
                   3>2-> True
                   goto next step
   Stopa: ite= theut
               =2+1=3
    Step 10: if (iter >epochs)
                  3>2 -> Trup
                   goto next step
    Step 11! Prent m, c Value
                m = -0.45
                 C= -5.803 /1
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