A ssignment - 7

Date Time Land (kW)
01/09/18 0:00 5551.822
01/09/18 1:00 4983:172

Since, the load has to predicted based on the same how load in the previous day, the dataset has to be modified

Ray-1 (x) Day-2(Y) 5651.82008 4931.26380 4983.14184 4915.53968

Step-1)- Read delaset, $\eta = 0.1$, epochs= 2, m = 1, C = -1, $\vartheta = 0.9$, $V_m = 0$, and $V_c = 0$

Step2:- Set iteration = 1

Step 3!- Set sample i= 1.

Stop4: Y = (1) (5551.82208).1 = 5560.82208

Steps: JE = - (4931.26380-1(5551.82208)+1) +5551.82208

 $\frac{3E}{3m} = 3439677 \cdot 338750$ $\frac{3E}{3C} = -(4931.263807)(5551.82208)+1)$

2€ = 619. 55828

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step 6: Vm = 0-9(6)-(6-1)(3439697-338750)
    Vm =- 343967. 733875
       VC = 0.9(0)-(0.1)(619.55828)
        Vc = +61 95583
 Stept: m=1+(-34967-733875)
         = -34 3966-+333875
        C=-1+ (-61.95583)
    = -62.95583
   Steps: Sample i=1+1=2
   Step 9! Y = (-343966 734)(4983.17184)+(62.95538)
      y = -1714045405-72
    Step 10: DE = - (4775. 53968 - (343966.734) (4983-17184)
       - (-62·95583))(4983·17184)
         D€ = 8541406595667.112
          DE = -1714050181-261
         Vm = 0. 9 (-343964-734) - (0.1) (-8541406595607-112)
  Slep 11:
          Vm = -854140969131-67
         Vc = 0.9 (61.95583) - (0.1) (-1714050181-261)
         Vc = -171405073. 88634
    Step-12: M = -343966-934-854140969131-69
             1 = - 854141313098.4
   C = -62.95583
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Step-13: Iteration+1 = 2, Sample=1
   Step14! Y= (-854141313098.4) (5551. 82208)+(-62.95583)
          Y= - 4.7420406014815
   Step15: DE = - (4931.26380+47420406014 E15) (5551.82)08)
              = -2.63069657156E19
           DE = -474204060150E15
    Step. 16: Vm = (0.9) (-854140969131.67)-(0.1)
                                  (-2. 632696 571 56819)
= 2.6328958e18
          Vc = (0.9) (-171405073-88634)-(0.1)(4.74204060)506
            = 4.74203906E14
   Step171 M= -854141313098.412.6326958 E18
            = 2.63269495618
           C= -62-95583+4.74203906E14
             = 4.74203906014
    Step-18: Sample = i+1 = 2
    Step-19: Y= 1-31191718E22
    Step-20: DE = - (4775.53968-(2.63269495E18)(4983.198
                             - (49 8.3.1 718 4) (4 · 7420 3906E14)
                 = -6.53750875€25
            \frac{\partial c}{\partial c} = -\left(4775.53968 - 1.31191718622\right)
                   2 -1-31191718622
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Step. 21: $V_{m} = (0.9)(2.6326958E18) - (0.1)(-6.53570875E25)$ = 6.53751112E2U $V_{c} = (0.9)(4.74203906E14) - (0.1)(-1.31491718E22)$ = (-31191761c21)Step. 22: m = 2.63269495E18 + 6.53751112E2U m = 6.53751375E2U C = 4.74203906E14 + 1.31191761E21

C= +31191808E21