Let us consider a sample dataset have one gaput (xg) and Assignment = 5 18KUIAOU23 one all ontbut (Ag) and emper of sample of . Dongob of graphe know Learner regression model using MBCD Sample(1) 72 Mil 0.2 3.4 0.4 3.8 0.6 4.2 4.6 0.8 Do manual calculation for 2 Herations with batch 830 2 7 1 7 0.2 3.4 g batch 1 0.4 3.8 g batch 1 0-6 4.2 3 botch 2 Stapl: [Ny], m=1, (=-1, N=0-1, Proches=2, bs=2 Jang: Up = 10 = 7 = 2 step3: ite=1 Step 4: Batch=1 Stop 5: DE = -1 & S (49-mx1-c) x1' = = [(3.4)-(1)(0.2)+1)0.2]+(3.8-0.4+1)0.4] $\frac{\partial E}{\partial C} = -\frac{1}{2} \left[(3.4 - 0.2 + 1) + (3.3 - 0.4 + 1) \right]$ Step6: Pm = - (0-1) (-1.34) = 0.134 DC = - (0.1) (-4.3) = 0.43

9010 step5 stop 10: Her= Ptex+1 = 1+1 = 2 ster 11: if (ites epaths) 2>2 goto step 12 else Paste ofop stop 4: Bakh = 1 1000 (1805) (1805) gter 5: DE = = = = [(34-(1-1523)(05)+0.1253) 0.5 + (3.8-(1.4272) (0.4)+0.1523)0.47 = - 1.0029 86 = 1 [3.47-(1.4272)(0.2)+0.1523)+ (3.8-(1.4272)(0.4)+0.1523] =-3.32ul Step 6 ! Dm = (-0-1) (-1-0029) = 0-1002 DC = (-0.1) (-3.3241) = 0.332 Step 7: m=m+Dm = 1.4272+0.1002 = 1.5274 C=C+DC = -0.1523 + 0.332 = 0.1797 Stop 8: batch = batch+1 1+1-2 Stepa: If (batchanh) 232 goto step 10 0190 910to 8tep \$5

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36 = -1 [(4.28 - (1.5274) (0.6) - 0.1797) 0.67

2m = -1 [(4.6 - (1.5274) (0.8) - 0.1797) 0.00
 Steps 's
           = -2.21
     DE = -1 [(u.2-(1.5294) (0.6)-0.1797)+
[u.6-(1.5274) (0.8)-0.1797)]
             2 -3-151
301
stop6: Dm={0-1) (2021) = 0.221
         DC = (01) (3-151) = 0-315
Step 2: m=n+Dm = 1.3294+0.221 = 1.748
           C=C+DC = 0.1797 +0.313= 0.494.
 Stell 8: batch = batch+1
 Step 9! Pd (botten > nb)
                     goto stop 10
                 goto stop 5
  Step 10 ! itex=itex)
  stepH! IF (itaserocha) goto ster 12
            else
                900 अक्र
   Stop 12 ? Drent m, c
               m=1748 C=0.494
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