Simple Linear Legression

(Jample (i)	Xia	yi a
1	7.6	157
2	7.1	174

Step1:- Read dataset: n=0.1 epoch=1, m=1, c=-1

Step 2: - Set Heration =1

Steps: - Get Sample i=1

Step 4 : Y=ma+C

V = (1)(7.6) - 1 = 6.6

Step5:- E = 1 (4: a m 1: a c) L

 $E = \frac{1}{2} \left(157 - (1)(7.6) - (-1) \right)^2 = \frac{22620.16}{2} = 11310.08$

Otep 6 = DE = (Yi = mxi^-c)Xi= -(157-6.6)(7.0) =

DE = - (4: 9-min-c) = - (157-6.6) = -150.4

Step 7 = Dm = -1 dE = -(0.1) (-1143.04)=114.304

D(=-10)(-150.4)=15.04

Step 8:- m= m+Dm = 1+114.304 = 115.304

C= C+AC = -1+15.04=14.04

Step 9: Sample i=i+1=262 ns2 TA Step@

Step 4:4= (115.304) (7.1) +14.04 = 832.69

Step 5: \= = \frac{1}{2} \left(174 - 832.69 \right) \frac{1}{2} \frac{433872-5}{2} \frac{216936.45}{2}

Step 6: 2E = - (174-(115.304)(7))-14.04)(7) 11 A way WI = - (174-832-69)(7.) = (658.60 (7.1) = 4676.69 ac = - (124-832-69) = 658-69 Step 7: Am = - nd = - (0.1) (4676.69) = - 467.669 DC = - n DE = - (0. 2658.69) = -65.869 Step 8: m= 115,304 + (-467.669) = -352-36 C=14.04 + (-65.869)= -51.829 Step 9: Sample i = i+1 = 2+1=3 j < ns from Step 10: iter = iter +1 = 1+1=2 iter > epolhy - Trings (を付けるのは)というないまからまけずるので Step 11: Stop who well-stone In An-Chospil Speci-* Top Developed