Simple Linear regression model wang stochastic Gradient Descent Optimizer.

Sample(i)	NA	Via .	
1	0.2	3.4 / 25am	ples.
2	0.4	3.8	
3	0.6	4.2	
4	0.8	4.6	

$$\frac{dE}{dO} = -(y_i - m_{2i} - c) \chi_i'$$

$$= -(u.2)(0.2) = -0.84$$

$$\frac{\partial E}{\partial c} = -(y_i - m^{2(i-c)})$$

$$= -(3.4 - 0.2 + 1)$$

$$= -4.2$$

$$\Delta C = -\eta \frac{dE}{dC}$$

$$= -(0.01)(-6.2)$$

$$\Delta C = 0.042$$

$$step-6: m = m + Dm$$

= $1+0.084$

Step-8:
$$4$$
 (Sample > ms)

 $2 > 2 (x)$

So to step-4

Step-4: $\frac{dE}{dm} = -(y_1 - mn_1 - c)n_1$
 $= -(3 \cdot 8 - (0 \cdot 4) + 1)$
 $= -(4 \cdot 4)(0 \cdot 4) = -1 \cdot 76$
 $= -(3 \cdot 8 - (0 \cdot 4) + 1)$
 $= -4 \cdot 4$

Step-5: $\Delta m = -\eta \frac{dE}{dm}$
 $= -0 \cdot 01 \cdot (-1 \cdot 76)$
 $\Delta m = 0 \cdot 0176$
 $\Delta m = 0 \cdot 0176$
 $\Delta c = 0 \cdot 04 \cdot 9$

Step-6: $m = m + \Delta m$
 $= 1 \cdot 026$
 $c = -0 \cdot 91 \cdot 9$

Step-7: Sample = Sample +1

 $= 2 \cdot 11 = 3$

Step-8: $1 \cdot 4 \cdot 4 \cdot 11 = 1 \cdot 11 = 2$

Step-9: $1 \cdot 4 \cdot 4 \cdot 11 = 1 \cdot 11 = 2$

Step-10: $1 \cdot 4 \cdot 4 \cdot 11 = 1 \cdot 11 = 2$

Step-10: $1 \cdot 4 \cdot 4 \cdot 11 = 1 \cdot 11 = 2$

Step-3: Sample =1

Step-4: $1 \cdot 4 \cdot 11 = 1 \cdot 11 = 2$

Step-3: Sample =1

Step-4: $1 \cdot 4 \cdot 11 = 1 \cdot 11 = 2$

Step-4: $1 \cdot 4 \cdot 11 = 1 \cdot 11 = 2$

Step-9: $1 \cdot 11 \cdot 11 = 1 \cdot 11 = 2 \cdot 11 = 3$

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Step-9: $1 \cdot 11 = 1 \cdot 11 = 2 \cdot 11 = 3 = 1$

$$\frac{\partial E}{\partial c} = -(y_1 - m_{0_1} - c) = -4.0936$$

$$8t_1 = -7 \frac{dE}{dC}$$

$$= -(0.01)(-0.8187)$$

$$\delta m = 0.008187$$

$$\delta m = 0.008187$$

$$Step-6; m = m + \delta m$$

$$= 1.016 + 0.00818$$

$$m = 1.10978$$

$$C = -0.914 + 0.0409$$

$$C = -0.8730$$

$$Step-7; Sample = Sample+1 = 1+1 = 2$$

$$Step-8: if (sample = ms)$$

$$2 \times 2(x)$$

$$90 + 0 step-3$$

$$Step-3: Sample-2$$

$$8tep-3: Sample-2$$

$$8tep-4: \frac{dE}{dm} = -(y_1 - m_{0_1} - c)$$

$$= -1.6916$$

$$Step-5: \delta m = -7 \frac{dE}{dc}$$

$$= (0.01)(-1.69)$$

$$= 0.0169$$

$$= 0.0422$$

Step-6:
$$m = m + \Delta m$$

= 1.10978+0.0169 $= -0.8730 + 0.0422$
 $m = 1.1266$ $C = -0.8308$

Step-7: Sample=sample+1=2+1=3

Step-8: if (sample=ns)

3=2(v)

Step-9: ib=2+1=3

Step-10: if (ib>epoch)

3=2(v)

So to next step

Step-11: Paint m=1.126, C=-0.830.