Assignment 6

Poice	Sgot-living
221900	1180
538000	a570
180000	770
604000	1960

Samplest 1/Batch-1

dampleset à / Batch-2

$$\frac{\partial f_{1}(4)}{\partial m} = -(0.5) \left[(221900 - 1 \times 1180 + 1) \times 1180 + (538000 - 1 \times 2570 + 1) \times 2570 \right]$$

$$=-(0.5)(1636508480)$$

$$\frac{\partial E}{\partial C} = -(0.5) \left[(221900 - 1 \times 1180 + 1) + (538000 - 1 \times 2570 + 1) \right]$$

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steps: Steplength.
         Am = - (0.1) (-818254225)
               = 81825422.5
        DC = - (011) (-378076)
            = 37807.6
styp6! update m,c
          m= 1+81825422,5
           m = 8182542315
        C=-1+37807-6
          C= 37806.6
gtep 2: Set batch i=i+1=2
 Repeat step 4:
 \frac{\partial E}{\partial m} = -(0.5)[(180000 - 81825423.57770 - 37806.6)]
    *770+(604000-81825423,5 *1960-37806,6)
      = -(0·5)(-3-10532013e")
        = 1.55266047em
Sty 5 Am = -(0.1) (1.55266047e") =-1.55266047e"3
   △c=-(01)(8-33399489e10)=-8-33399489e9
    m= 81825423,5-1,55266047
        =-1.55265229e13
      c = 37806.6-8.33399487e9
          - -8-333395708e9
```