```
14 September 2023
                  07:08
 Mini Barch Stochastic
      gracient Descent
 go = Entire Dataset
Egp = 1 Recase picked.
 200
        200 200
                 200
  B,
\beta_3
B5 - MM - 9 9 - LOSS - TOB 1
                          Lieuation = 5 {

Epoch = L
       no of Borenes = 5
                                 RIR2 RZ RY
                                  Bad cass 1 KIBA
                                  4 BU 7 550) DOOB
      Here we have so we the problem of noise to great Borent.
         Lo unwanted.
      Batch Bre are often tuned to
      computational Asculation
     2, 4,8,16, 32, 64, 128, · · · ·
  roise moise T
                                 78590.
            590.
     As the Batch fire Pricocasc
     noise peauces.
      MBSGD 1000 -> no. of Botch =1

Batch rieze = 1000.
                Barch sie /1/ emooin /1/
            Exponential youing mag.
                            \frac{20120120}{3} = \frac{60}{3}
      P = Bx previous days.
            + (1-B)x Today.
          + (1-08)x 40
                                                       B= 4 /B=0.8.
                                                     B=0.7 = 3
                                                   B=0.9 = 10V
                                                  B = 099 = 100 days
```

MBSGD