18 km-A0 595 Assignment -3 let us consider a sample of dasheet have input (4, a) and one output (4) and number ob samples 4. Devolop a simple Muniar regression model using statistic gradient de sent optimizer. y; a sample Li) X,a 0.2 0.4 4.6 0.8 24, y 7 m=1 / (=-1) N=0.1/ epocles=2, ns=2 step 2: Hor = 1 stoph: 36 = -(3.4-1,710-2)-1-1) 0-2 stop 3: Sample 21 76 = -(3.4 -(1)(0.2)41)

Am = - [01) 1-0 14) = 0 14 AL - WILL HITS - 045 m = m + n m = 1 10 094 = 1.034 stop is C - (106 = 11042 = -6.50 somple songles Shp 7: ibl somple 7 ns)
goto step 9 stope, else go to step 4 stop 4: JE = -(3.8 -(1.084)(0.47+0.58)0.4 - - 1-5785 3c = -(3.8-(1.084) (0.4)+6.58) = -3.9464 steps: Dm=-(0.1)(-1.5785)= 0.1578 DC= -(0.1)(-3.4469)=0.39/6 m= m+12m = 1.084 to. 1578 = 1.2418 step 6: M= MITHY.

C= C+N(=) -0.59+0.39 41 = -0.195

Sample - Somples il (somple > ns) go do slap 1 1 le got All 4. iby iter 11 8 pp 9: il later schools? stop 10: goto slop is de To Mp 3. step 3.4-1(1.2)(0-2)+0.18) 02 - 13.4-61.27 (0.2)+0.18

er enace of 1810 11 = by slop a : sample sample el = 211=3 il (somle > ne) slop 4 . goto stop 7 else stip4 slope: Iler = tert1 = 2+1 =3 step 10 ib (ibr reportus) slip 11 elve stop 3 stopuli: prind my L m= 1.42 (=0.45