Assignment - 5 1. Read date (xxxxxx y) L-3 (-2 L-1 5551.822 4983.17 4288.39620 5072.95 4923.1784 4-88.39 5072.95 5196, VJ 2. Data properation very volumbizeation 0.397 0.293 0.276 0.310 0.293 0.276 0.310 0.332 3. Initialization m, 21, m2=1, m3=1 max = iter how, eta\_o,1, ez-1, epd a. set iter=1, ns=2 5 bet Sample = 1 6: X1 = = (de['L-3'], X = leta['L-2'] x 3 = data ('[-1'], Y-data ('L') de = - (1-m, n, -mon, -mon, -mon, -) dm, = - (0.310-1(0.397)-01(0.20 -1(0.518) +1)0: - 0.136568

de = - (y-m, ngt + m nn2 - いれな = - (0.310 - 1 (0.391) - 1 (0.282) is swi = - N ge = -0.1 (0.134) = 0.0131 Amz=-7 de =-01 (0.10079)=0.01 dn3 = - n de = -0.1 (-0.094)= m2 tome= (+0.01= 1.01 m3 = m3 +0 m3 = 1+0.0014=1.0014 ( wa = (+0(= -(+0.0344= -0.9656 9. Sample (i) = Sample (i) + 1 is ( Sample (1) En) 19 (2 52) true 3 840 (6) 6 df = -(0.332) - 1(10.136) (0.293)

d€ = (1.335)-1.0138(0.503)-1.011506 - -0.11355 of E = - ((0.332-1.0136(0.293)-101 (0.536)-1.000 (0.310) +0.965)0.310 - -0,411 J. sm, = -4 gt = (0.1) (0.1502) =00 (50 om 2 = - N & E = -6.1/20.11355 = 0.011 Sm3 = -n df = -(01) (-0.411) =0.041 3. MI = am, tm, = 12.025 m2 = m, tom2 = 1.021 m3= m3+0m3= 1.012 c- C+OC = 0-554 q. sample (i) = Sample (i)+1 = 2+1=3 10. it (sample(i) Ens) it (352) Talge great step (1. iter = iten+1=1+1=2 if (iter < epochs) if (2 =1) - salge vest 13. Stab by by mg ( = ) m = (1.0

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