Hestero Accelerated gradient descent

Senc. [x,47, m=9 <=-4 7=0.4 Y=0.9 Vm=0,

Vc > 0, croch5 > 2,

0.4 3.8

Str2: Elevalian=1

skn 3' Somple = 1

Ser u: 9m = = (97-(m + Y(m) ni - (C+YUC)) x; - (3.4. (1+ (0.9)0) 02) - ((-1)+0))x0.2 - (3.4-0.2+1) 0.2 = - (4.2×0-2)

9 6 : - 4-2

Ster 5: Vm= 8Vm- 49m=) (0.4)(0)- (0.1)(0.54) - 0.084 ·

VC = VVC- MGC7 (0) - (0.1) (-0.2)

5 0.42

Ster 6: m= m+Vm= 1+0.08c= 1.08g C> C+VC-) = 1+0.42 7 0.55 51017, Sample >1-1=12 SW 85 7 f sample 7 70.06 samples = 272 - Fasso To to steny sec 9: gm = - (3.8- (1.084 + (6.9) x (0.084)) x 0.4 - (-0.58+6.9)(0.42)) ~ 0.4) =- (3.8- (1.596x0.4+0.958)0.4 - (4:29+1G) YO.Y 5-1.717 664 - A Compression) - 100) Vn= 8vm - 19m=) (0.9) (0.8) - (0.1)(-1.717664) 500 413 664 VL= YJZ- 99 = (0.4) (002) = (0.1) (-4.29416) m= m+vm a 1-0 84+ 0.2473(=1.3313(

C=C+VC = -0.58+ 0.801416= 0.227416

5 ample - 2-11 = 3

of sample 1 70.00 samples

372 Emu

50 to rent step

[feralion = 1-1-)2

of gloralian 7 cochs

272 -face

go to Sun3

Sample >1

3m = - (si - (m+ xxm) ni - (c+ xxc)) ni

- (8,4. (1.33)36+ (10.9)x(0.24736)) x0.2-

10-28 7416+ (O.9) × (0.801416)7

= (3.4-(1.553484) ×0.2 - (0.954097)

(11 m / c n) (2 13 5 11) (1 m) - - 1 m

9c=-(3.4-1.553984-0.954091)

4 (0-9) x 0-2473644 - (0.1) x (-2-1351)

5 0.43 6414

VC= TVC- ngc = (0-9)×0.867416 _ (0.1) (-0.891926)
= 0.815867

LEUSY O

SM19: m=m+vm = 1.3316+ 0.43614 =) 1.76774

C>C+VC=0.227416+ 0.8148(74 1.043283

Sample = Sample +1>) 1+1>2

et somble 775 2 272 tolse

repeat ster & MPP 3000

- (1.7 (774) - (2.4) × 0-4) × 0-4 - (1.7 (774) + (2.8) × 0-4) × 0-4 - (1.7 (774) × 0-4) × 0-4 - (1.0 43, 53) + (2.4 × 0.81 5 (7)) × 0-4

 $-\left(3.8 - (2.160)(6) \times 0.9 - 1.7775633\right) \times 0.9$

$$g_{z=} - (3.8 - (2.160266 \times 0.4) - 1.175633)$$

= 1.1583303

2.2 016133 edulate tysE (3.4-(2.2661992×8.2)-2.2616133)2 + (3.8- (2.206 5992×6.4 - 2.20613312)2 = 0-571357 (0.512293 > 0.54271

remails of the second of the step of