```
Z:(Wy:4ws)5/-80
                                                                                                                                                                                                                                                                                                                                                                                                                                   = 514 a: - + 45 a: d; 2; 3; y; + 513 (c-a: 4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               was & datey; work - to lain way; + maxwy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  La.81= = wint C & si - & ar[e:(wy;+wo)-(+2c]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                dei=0=> C-a:-B:=0
dsi=0=> C-a:-B:=0
Punt 13 the same for this. Rut (3/8:204)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11/2 = wort (2 5: st. ( ) - more 131-2; | y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    54. w'4(2,4;)-w'4(2,4;)7,6(2,2;)-4
                                                                                                                                                                          where His = max Liging) - w/c picziyi-picziyi)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Q:4 C 型田治 C-a:-6,-10 お30
                                                                                                                                                                                                                                                                                                                                                                                              10)= = wint CSqi- 5 his: - Edil - H-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Soft manying into and to 5.51 E.
Primal: min away C. 25. 2. 2: 70
                                                            min justus CE" 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Max W(d) = 5 as - 25 usus = 23 g/18;
Multiplace SVM still a hard margin.

mingro = wtw &C SE; st. by: eY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 st tiding and Edition of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     statement with the Colors
                                                                                                                                                                                                                               XOR => KCX, yb) = (1+ x, yb+ x, yp)2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Multiclass SVM W/ clocks $ = 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        = 24: - = $ $ £ 4: d; 3:3; 4: 4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (2:39 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            mintut C Sis Si
                                                                                                                                                                                                                 That is problem:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Primul for SSVA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 targians:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  、 注記がするample toolatel、ははる k-NN ある Ki直来
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Fisher's Correction: T(w)= 11 plate 111, withings plushilm
Nearest weightown Eite,

WICE, + Ex. WILE, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        min, want C & ig 5: 5t. yours 1-8. 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          さ のひながひ
                                                           # GROCNI, XI, YI) By the
                                                                                                                                                                                                                                                                                                                                                                                                      Impered mean for class & pro- 12 & wix = will
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            may 2 wi - 5 Eig Opily, yix xig of Oralisc
                                                                                                                                                                                               Perceptum Loss: Jp(a)= 5mis (-07e) - your
                                                                                                                                               linear signiates for binary classification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                [Logistic] | (1000) = Ber (y; 6(100 x)) = 1 + e-40 x
                                                                                                                                                                                                                                                                                                                                                                           find projection place spaceting them best.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Puals Oppolic moult
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 emplaiss = pi
                                                                                                   a (k+1) = a(k) - H-1 Of M = 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Strong duel Tem + 5 prig; + &ait.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Lagrain's Multiple,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              outh with t C Signer (0, 1-4-WK)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         mox 20; - 250:00, 4 y; h!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10A for multiple-class: One vs-prest
                                                                                                                                                                                                                                                                                                                                                                                                                  Conspersion (40) alps - fr & V
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       General mindial astigius of Museo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lew, M= few + 2 Mgcs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         J= sign ( 2 in a 4; p. ( ))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            P(Y=1 | X,W) =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Primal anconstraind
                                                                                      Newton ophinhus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SVM: Soughained:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               XPus xcxxx) xty = UDVTLVDUTUDVT) VDUTy Mulisdum Softum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WTC M1-/42)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kernel Sum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Josep 1
                                      MLE =MP when a - > 0 or thuc prior dist. is uniform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The viewe of a cample in boostrap (- C (- 1) = 0.672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 is unbiased
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               世知の表面 a posterior probabilis 1997年
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bootstray deblased = 5= 28- 1560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STK= Sn-bas TK TK Estimtor C 298/20%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                - UDVTCVDZVIT) - V DUTY
                                                                                                                                                                                                                                                                              + Ex Eo [(focx) - Eo [f(x)]) = Som Vor
                                                                                                                 有一个自命个样
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Therefore; EPRM on 2 would have 63% accomp
        MAP PCNID) = ayon PCDIW) Thw
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100 K= M. Chiah vanionme, unbiosed)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             If Kinks are valid: Of the Office Saler (OK, (4, 4.) Bayes Optimal Classifier) For O-1 loss
                                                                                              Gruges - LZ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           bias T^{K} = (N+1) ( S_{n} - S_{n})

S_{n} = \frac{1}{n} S_{n-1} = s; the aug. LOD Estimator
                                                                       Luplan - Li
                                                                                                                                                                                                                                                                                                                                                                   blas 1 malerfit
                                                                                                                                                                                                                                     Ex.y [(Exix[Y]-Y)") moire"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SVD For linear regression X = UDVT UER MAN VERDAM
                                                                                                                                                                                                                                                                                                                          All is const.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 E(x)= 1 & [E[x]x] O |-(x)?
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pile - 2 Lorge Rx 181 + hlyn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         [10]=- I [ 3, [00] p(x)]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             inconstrution => over-confidat
                                                                                                          Bios(f) = E[f]-f
Von(f) = E[(f-E[f])]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Boosbappy. And my replacement
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            It works for any olistribution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATE = 2 log P (x10) +2k
                                                                                                                                                                          Squre Emo Decomposition
                                                                                                                                                                                                     ED Ex,y [ (fcx)-T)2]
                                                                                      Sias- larionce troolcoff
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Var[6] 7. In (0)"
                                                                                                                                                                                                                                                                                                                                                                                              Fix to every pe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cromo Rao LB
                                                                                                                                                                                                                                                                                                                                                                 Nort marfit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          UTU= Inchal
                                1255 umly x<sup>T</sup>x invertible
                                                                                                                                                                                                                                                                                      (0.000)年分長
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   C= K+63In , My = kTCHy, 625C - kTC" k
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Polynomial Konel cxtx+1) of tank CXXTx+c) is NOT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        a smullest Var among
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C = A Know Know) +62
                                                                                                                                                                                                                                                                                                                                                                                                                                          Prom 18(3)~ N(910, 21) x exp 1-2 /131
                                                                                                                                                                                                                                                                                                                                                                                                             Ridge Repressiving its equivalent as southly a Gnassian
     inear regression majoring mrt mean-square error
                                                                                                                                                                                                                                                           Noigh (B)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                emp(-11x-x1/1) | [1-1], [-1,1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    To dis-prove P.s.el. det [K] <0 (1+0) = 2 by (1+0) (4)
                                                                                                                                  Erron: Ricu)= 2" (yi- whis) + All will closed form: (v* = GFA XI) "xy
                                                                                                                                                                                   Gradlent: Puz -2 2" (4; -wx; )x; x 2 X W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ( of 9 - , By 1 24 ) N = ( K . X . Ex 1 26)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   h: A-> X @ h(K) when has polyterp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Properties Involving linear Repression Repressions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kernel: . Can map to infinite dimpasion computationly cheaper
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        pc & x | xx, x,y) = N( yx | H4, 60)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mased
                                                                                                                                                                                                                                                          A= S3114; - x18) + LE $1181)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 with a being the hernel function,
                                                                                                                                                                                                                          Lasso L'Pengliy penealize B
                                                      closed form: w^* = (x^* x)^{-1} x^* y
Grodiunt: V_{w^*} = 2x^* (x^* w^* - y)
Ridge Regression
                                                                                                                                                                                                                                                                                   = (4-x p) 2cy-xp) + 1 11 p 111
                           Error: Rows 11 XW-4112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaussian Process Regression
                                                                                                                                                                                                                                                                                                                                                            Bayeysian Linear Regression
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      predict now values from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 yo = 1 CK + 62 I) -1 y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unbersad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        bousistent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    P[y[x]= itexp(-ywxx)
                                                                                                                                                                                                                                                                                                              No closed form solution;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Rewrite joint dist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Prediction with GP
                                                                                                                                                                                                                                                                                                                                                                                       Set a prior over 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Finaling posterior
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Riske
bisesel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (susistat
```

a fixe of the grant of the fixe dalx = dxIB = a 8 tout x = 1 - tanh 2 x Var(3) = Var((x x) x 1(x (3+ 2)) = Var[(x x) x x 2) D6= 6(x) (1-6(x)) If a pe. is missbassified: mentrix derivative Search for 2 weight vector at a clar each closs) PSO for a mateare irrelant. WENIVOW Performs bester when many ofthesibes Ensamble Mestonal weak leaner (8005) to be great in aze arks Reture ("(x) = sign(56 of 66x 1. Initition Elitable in 3. Compute Error Eb= EW: 143/EW:(5) Budging: Timin weak tenners to boostrapy sets w - 3 P. S. ? WY weak classfier to Paisin tras Stumps: \$ 27 axis Ail) hiss: signiaxi-to Gassey: defcasto extentale histo try-netial update of neights. at a cuticati ai < a -xki ためかべ aif axki at cifyheres) XAX SO YX Fit a weak classfier cocx Reautising tree & of stumps Update walton witherpad 15737 equal neights All clute. But the classifiers are re-weighted in a securial manner for learners. napikseness f (x) = argum & emp(-y:fex)) dark = apr dark b = bar a; (if yh=+1) > 6 7 x x x x x x x x x x 06- 400/to-1) VCdm()=4. 00 +046/ta 134. (1,7,1,0) おは複数 30pt = DJTHDJ のかいかかりまつ SVD for vidge -2-1 c2, c2) c2 cc2 >36 function held hete J(alka)) & J(alk)) - J(k) OJ OJ + = y2(h) OJ HOJ from ical bestoody it shorters acol $\frac{g'}{g} = (g''x)^{\frac{1}{2}} + \chi I)^{-\frac{1}{2}} x^{T} y = \bigcup_{j=1}^{\infty} \bigcup_{i=1}^{\infty} \bigcup_{j=1}^{\infty} \bigcup_{j=1}^{\infty} \bigcup_{i=1}^{\infty} \bigcup_{j=1}^{\infty} \bigcup_{j=1}^{\infty} \bigcup_{i=1}^{\infty} \bigcup_{j=1}^{\infty} \bigcup_{j=1}^{\infty} \bigcup_{i=1}^{\infty} \bigcup_{j=1}^{\infty} \bigcup_{i=1}^{\infty} \bigcup_{j=1}^{\infty} \bigcup_{j=1}$ 1、10, 02=1 107 lable wap 男子. H= dayda, , wing Tulyor Expansion 女は多VCへの 以一室 Pitt -learnabe. from & co. 1.54 to 10, 14, Therefore I does NOT shatters. volter cipo ical d At time shotel function in IK. [All is the set of all furth [Hoeststain; & inequality which is labelled as o. 4 5. 10 From 2. may let Toping = max () , no. of different function ind is only OCICID) = , the size of the grows poly-If Vicdiment) = d. · 3213 Therephold function 1741 lournable 18689 3 Sourcer's Thm: Argument for threshold fuctions ERM 4- 2 3/155, Reactangle 195893 Axis - Aligned Rectangles To British . shouters a finity set CCX if 17/1221 Bue H. hecases and decosed => Notal faith Then 74(m) < 200 (m), if m> 0/41 then convex polygons in the - Provof of a shreehol function class as 1 Bef shootering. A Hypothesis class X union of Wintervals ome examples in VC plimension Convex poly goods the half planes in Ra Thorshold & (-00 m) hla, azb, be) if o offenivise Hope DIAMED Spring Viducy)=de0 · 121) [apactons les contains to, o let CCX, its effective side 2R+1 4/6 TH (m) < (2m) d (=162) Rule => acket() = ack) - H-17] fackti) J(ackti) = V] + H(ackti)-ack) = 0 those a optimal meight vector albet 1) ? ERM for hyporplanes (PIRCE) - inf R(1) 76) = [Vinlen 13and] IPI wow x5.25] = & P[x: 78] p. Blearp(3x)] = exp(54,000) + + (alki)- (ck)) T H (akt)-a(ki) minimize the and order taly or expansion of Ilalkill) Newton's Algo boundation: choose or(k+1) optimally to (1+2(2))e 2016 e - 15 1 1 1/2 (C) =0 Hoeffeldy's Bond = 2 P[R, ch1=0 | P(h) > 6] P[R(h) > 6] = Set P[Rach)=0/Rch)76] Will for town & converie to -I(alex1)) & T(ack) + OT(ack+1) -ack)] * general [[5"-E[2"] 22] < orp [-ms: -] Twhen Rice) =0 and IMI <00 a P[x>5] = B[x] when x 20 P[R(2)>5] 5 2(2) COP[-5(n-d) then A such that P[R(2) es] 31-8 [[S. - E ? 26] & exp[- 26, -0:).] PAC Land Efficient to 10 mct, to \$ 10 to poly. 172 Clog 141+ 10g 18), TERCE) 48] 71-8 -+ ish+ < E, T; in P[x; ehac |P[hac]] Fra => B: 60 Retaction) 1786 reavorble PI Parsey 31-8 For manue, 13 xe [a,b]

Classical Proof:

The PAC Learning of the therodyheld function

Effectivet PAC Learning of the therodyheld function

The paction PAC Learning of the therodyheld function

Effectivet PAC Learning of the therodyheld function

The observation A receive Z of size nzpoly(t,t) then provide the paction Method of the Talif of the paction of t PL RCE)=0 1 RCE) 75] < P[3 h, R Ch)=01 RCON (GTD --- G(TE)) ~ Dr (GH(T) ... SHIGH) ADP , DPCa, H) is a dist. over probabily space on a space classical example. Theoretidal it = 1 Stick- Breching Problem For every partition of @ and ap(a,H) 以下智能强合中 BUM a pypodesis class fro VC dinension, Samphy (P....Pk) ~ Dirca, -- ak) is the sme as tennal c=2 a concethatin paratur Bk~ Betacl-a) (= Bkcl- 5 p:) H is the base measure

Chinese Reston Problem (5, ~ Beta (1, d) | 3, ~ Beta (2, d) | 12= B= (1-B.)

电路电阻 X Chuster (大致解释) 然后到的 Tribbs sumpting for cluster assignment アとも、たして、アス、ハントアに、かして、スノルン 思いるならいかいいからい 243 262 642 FFE ないないない なれ PC HAI Join mentable [P>= | With 10x | 2:0/2, 2.2 1x)

toricy to N invandory order do Tf H is normal 1: helikaval NA-1 pexs | X-5, k, h) of 22-2612-20 lax/x1/x1. eigh (21/M) box1/22/2016 スカラックトでで、スリウのス、「スン・ス・ス・ス・ストル)。 Remove x3's sufficient statistics from old couster ==; for k=1 to k do (milizabellistated ambura) Set NES-7= [x-1/4] coupute PR(Zi) = PACYi | X-2.16) Township P(B)=12-1,X)= NA-0 24N-1 pcx://n) othorise

lompte pre: # E-2, x)

Sample Zi ~ p(Ei))

If any chuster is empty, remove it and decrease 15

Add zi's sufficient sty risties to new cluster Zi