Max varior clossities

And sensitive de the

addition of new data,

and for nonseparable

adda, it doesn't exist.

A soft marsin or support rector dossifier (Soft = Some date will be onis classified) is colculated via:

= Subject to 1/12=1 and y; (13-1) M (1-2;)

and \(\hat{\Sigma} \) \(

· Marinize M

BO12, 511.12EN

Separable case handled with E,= ... = En = 0 . 2: ore sleck variables where then (x; 1/2) is correctly classified 0=;3 vision to spirted A · 0 < 5; <1 but in side mersin · E; >1 " is misclossifie) 11 The poon C chosen Ly cross-validation Defining the support weathers

Set desire = 0 riells:

Can still write progrem in Lagrangian cours

子11生115 + Cx s: - x x; (1:(20+立x))-(ト台))

- \(\frac{1}{2}\) \(\mu_i \, \gamma_i \)

Z x; y; =0

平= × ×; //; ×;

=> 50 lotion has form

+(x)= Bo+ 1/2 = Bo+ 5/x'1.x'1x

Fis still a linear classifier & usually as are O when xi to then I; is a support rector.