```
Schanten i vasti marge SVM (VZAVA)

100 classification.

(x_i, l_i)

x_i

x_
Separation Liviaire. The what the service of the s
H(2) = -1 \( \frac{1}{2} \) \( \frac{1} \) \( \frac{1}{2} \) \( \frac{1}{2} \) \( \frac{1}{2} \) \( \f
Ph dual: Max H(d): - 2 th A + dtu

pxp Aij = l:ljxi*xi

awant.

Aij = l:ljxi*xi

a = (i) pr

dtl = Ed;li = 0

Radyan byh': [1] hopette sul

2) laoxth sun d70

P. Mr
Our cherche. t. on 8. W. X + b = D(X)

son n'a pas bessin di w explicitement.
           D(x) = \begin{cases} \int_{i=1}^{\infty} d^{x} d^{x} & (\alpha_{i}, \alpha_{i}) + b \\ \alpha_{i}^{T} & (\alpha_{i}, \alpha_{i}) \end{cases}
                                                                                                         Chech pris sylatis. di > 5 = 10-5.
```

KundTrick -> E classes pas séparals. Idie: Rn John De Construt in portri du | Dl. /
Hilbert 2. Noylan K(x,y)

Rx Mr -> 1R

((x,y) = Dity | - Positif | V(x,y) = Kly, x

(x,y) = exp - (|x-y|)

K(x,y) = 1

Noyen propose claus & TP V n's Y priorph > Son wis of & V? H= Shin de V > Son wis of & V? H= Shin de Switer de Candy de U! H = Shin de Candy de U!

e e e e e e e e e e e e e e e e e e e			
1.			
p			
,×)			

y -> K (21;, g) Chercher Hyperfan. K. din J. $\langle W, f \rangle + b = 0$ H $d(f, T) = |w, f\rangle + b$ $\Rightarrow exacternel purel:$ Conhard: $1-\langle w, x_i \rangle \Rightarrow b \leq 0$ Optim

The fame. $4i \in \mathbb{R}$. H(1) = LT A + U L $A_{i,j} = \{i \mid l_i \leq 2i, 2i_j > 1, 3i_j > 1,$ $\mathcal{D}(x) = \langle w, \widehat{x} \rangle + b$ $w = \sum_{k=1}^{\infty} l(\lambda_k, \hat{\lambda}_k) = \sum_{k=1}^{\infty} l(\lambda_k, \hat{\lambda}_k) = \sum_{k=1}^{\infty} l(\lambda_k, \hat{\lambda}_k) = \sum_{k=1}^{\infty} l(\lambda_k, \hat{\lambda}_k)$ $\mathcal{K}(x_i,x)$ Avoir von A. D SVM Linearin -> Jin dicettesance. (2) SUM Kaml + Margo sourle.

The known 2020 Marundilus -> Marlus -> Pothon-