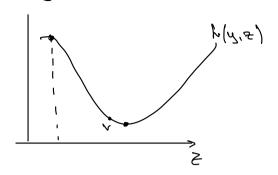
opopusi:

Bagara 2 rueros O



L80 W2.3.

min: Ex'A [(d-Et a/xI)] - mon donnous

cuenque informance => que vermoz. Torres glamente, na say apple no 370 pre orens espanno

paréboc firparier que => gue vouvez.

En . Our gover

$$+ \frac{N_s}{N(N-1)} \left( \cos(\beta^{\frac{1}{2}}, \beta^{\frac{1}{2}}) \right) = 3$$

=> paropoe que momen.

WO 1.5

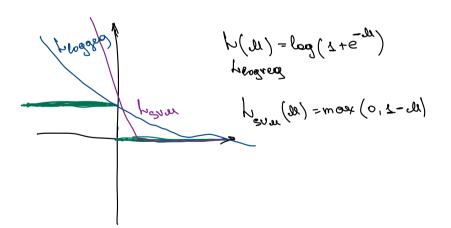
hogreg: { Elog(1+e -4:<xi,w>) -> min

SOM: \frac{5}{7} ||m||g + C \le wax(0'7-d'.<x:'ms) \rightarrow min

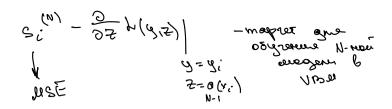
à podred rememe mondeme 2000 hour Loughor

g SVM Forme enement ?
parsoper nume &

Josephan de de rapporados



softend senserer and senserer such of MVS V



Marcreto vanuspober

probability

Aredicted

probability

Ton W/o

observed

wo ppeg energ.

Rosen rose rog

ba(4,2) = log(1+e 32)

pol(d'5/= mox(o't-65)

pc(12/= (45-7)8

(1.1) One-us-all

(C. L)

orgnin b(-3,2)

LEIR

La: log(1+e²) → min (=> ==-00

bb: max(0,1+2) => nin (=>=-1

be: (-2-1)2 = (2+1)2 ->min => 2 =-1

 $\alpha(x) = S(g_{N}(<\omega, x_{2}))$ 

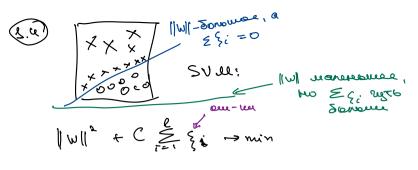
 $\alpha'(x) = sign(zw,x > -40)$ 

ha! hug (1+e -0(<w/x>-10)) op-a nomenomace

pp: mare (0, 7-d (50'x>-10)) mosses 1

<-> <00 = >

mor (0, 1-\$00/=0 mor (0, 1-30)=0



payonoea

ben Cy, TO magent user Europare Juagan

Tax oursur?

$$g(x) < 0$$
 gra peu gapha na  $y \le E$ 

Her, T.V. peur. espelos na USE gepeg. npomoson => cpegnes >0

grad-boost.

Cours nec Tomes her , T. v. ep. upomos

Ha spag. Eyerunze mary T. T. Tam cofour

20 5 bn; - renoza ramon per b organisament générale apprése

T.U. Re Zonperezast Sonorure beca

3.1) error vate - mits

\[ \frac{1}{\llower \in \text{Ta(x;)} \neq \quad \text{q;} \text{T-> min} \\
\text{nend za quapap., no stowy her \\
\text{wenows year.}

(3.2) N . He hobecoon unmander

mart: gone ou 1

ple mosket, T.V. un generomane nog. our.

gons au t\_ mosseet

(3.3) 2 = 4 10 long cosh (2-4)
224 long cosh (2-4)

(3.9) » 
$$\leq |w_3|^3$$
 - curono nav. 30 Sono una beca

$$Y_{i} \sim \mathcal{N}(0, g^{2})$$

$$Y_{i} = \mathcal{E}_{i} \times i$$

$$y_{i} = \mathcal{E}_{i} \times i$$

$$\frac{1}{\lambda \ell} \left( \sum_{i=1}^{k} x_i \right)^{s_i \otimes w(k)}$$

$$\frac{1}{1} = \frac{1}{1} \left( \sum_{i=1}^{\ell} x_i \right) \sin(x)$$

 $=\mathbb{E}_{x,y} \left[ y - \frac{x}{\lambda} \right]^2 = \mathbb{E}_{x,y} \left[ \mathcal{E}_{x} - \frac{x}{\lambda} \right]^2 = \mathbb{E}_{x,y} \left[ y - \frac{x}{$ (£323 - 323) =

Vous & Z = 12

$$\mathcal{L}_{i} \sim \mathcal{E} \times \varphi(l)$$

$$\mathcal{L}(X) = \frac{1}{\lambda \ell} \left( \sum_{i=1}^{\ell} x_{i} \right) \operatorname{sign}(X)$$

 $=\frac{3}{3}$ 

$$A^{i} \sim \mathcal{N}(0^{i} g_{x})$$

# [9/x] = # [ x x | x] = x # [ x | x] - x - 1 - x noise:= Ex, y [ y - E 29 | x ] ]=

$$\begin{aligned} \chi_{i} \sim \mathcal{N}(0, 8^{2}) \\ \mathcal{Y}_{i} &= \mathcal{E}_{i} \times_{i} \\ \mathcal{E}_{i} \sim \mathcal{E} \times \mathcal{P}(1) \\ \mathcal{M}(X) &= \frac{1}{16} \left( \sum_{i=1}^{6} \chi_{i} \right) \operatorname{sign}(X) \end{aligned}$$

bias: 

$$-\mathbb{E}_{X} Z O - \frac{X}{X} \underbrace{\int_{a}^{2}}_{1} \mathbb{E}_{X} I X \underbrace{\int_{a}^{2}}_{1} = \frac{2^{2}}{2^{2}}$$

Now i and see:

$$\mathbb{E}^{\times 1} \times \mathbb{E}^{\times 1} = \mathbb{E}^{\times 1} \times \mathbb{E}^{\times 1} = \mathbb{E}^{\times 2} =$$

$$= \frac{1}{\ell^2 \ell^2} \mathbb{E}_{\times} \operatorname{Sign}(x) \mathbb{E}_{\times} \operatorname{\Sigma} \operatorname{Sx}_{i} \operatorname{I}^2 =$$

$$=\frac{1}{\sqrt{2}}\left(\sum_{i\neq j} \mathbb{E}_{Y_i \times j} + \sum_{i=1}^{\ell} \mathbb{E}_{X_i}^2\right) = \frac{3^2}{1^2 \ell}$$

$$\mathbb{E}_{X_i \cdot \mathbb{E}_{X_j}} = 0 \quad \text{if } 1$$