Sozuemureckas perpeccus

y E R
perpecous

3 € { 0, 1} 3 € { -1, 1}

SuHapkas Knaccupukayus

· hune i the mogery

Linear Regression

Lasso

Ridge

· MUHEYHUE MOGERMA

Logistic Regression SVM (HecTangapTho)

· KNN

is = argmase & [3:=h].

$$Q(w) = \frac{1}{n} \sum_{i=1}^{n} L(s_i, P(x_i)) + R(w) \longrightarrow \min_{w}$$

A Hapura Boosuge 200-TO MEHRT6?

Dabanine grut 6 mune virgo perpeccuo.

Linear Regression

y ∈ 30, 13 - le76 M 87×a

(ushibubopaH)

cyzeronga

Now con perpeccal

Aouci we chow the ben

$$P = 6(2) = \frac{e^2}{1 + e^2} = \frac{1}{1 + e^{-2}}$$

Curewaga

E (0) 13 $b(x^{2}) = \underbrace{1 + e^{-(m^{0} + m^{1}x)}}$ MONNYO UNTEPHPETUPOBATO gra neuroTopax of noteph kak P(3:= 1 | x:) = P(x:) han nongruis nportozy gezo, 15? $\begin{cases} 1 & \hat{p}(x_i) \geq 0, & \text{where} \end{cases}$ X- kak nogospath? "Syzkec"- coospanieteus Moro Bopuer hozare han eë Syrath? - suomo 4 cno 16 zo Bath $L(\mathfrak{Z}_{i},\hat{P}(x_{i})) = (\mathfrak{Z}_{i} - \hat{P}(x_{i}))^{2}$ Mommo upagiqual 6 op noteps no tyrune! - logloss (un ce nougrane TPENS CHOCOSamu!) Интекерный подход (x; y.) - BHEOPKA (34984) is: - 20, 13 - novico zup yet evogens $\widehat{P}(x;) = \widehat{P}(x; = 1 \mid x;)$

x:=0 $\hat{p}(x:)-$ Somme - xorome $\ell-\hat{p}(x:)-$ Sonemas

$$L(g; \hat{p}(x;)) = -\left[g; \hat{p}(x;) + (1-g;) \cdot (1-\hat{p}(x;))\right] \rightarrow W_{W}$$

The same $g: Q$
 $g: Q$

$$P(x_i) = 0.38$$
 $3_i = 1$ \longrightarrow 0.38 $x_i = 1$ \longrightarrow 0.31 $x_i = 1$

Beport hour thui hogas

$$\frac{1}{1+\exp(-(w_0+w_1x_1))} = p(x_1)$$

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$$\frac{1}{1+\exp(-(w_0+w_1x_1))} = p(x_1)$$

$$= P(x_i) \cdot (1 - P(x_i)) \cdot \dots \cdot P(x_n) \cdot (1 - P(x_n))$$

$$ln L(w) = \sum_{i=1}^{n} \left[3: ln P(x_i) + (1-x_i) ln (1-P(x_i)) \right] \rightarrow ma \times w_0, w_1$$

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ROH MATROTOW

Yumep

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ochunt. kopy

II Mogeni hepe hapa entry zolahh

=> Perynepuzayue - uzpyuka gbebona

Baneco Bounus entrogany

ke en 4000 degrou

