

[ (n:, yi) ] i=1 y. ER - nadnigenne X: Ek pynamu Lugengre gi  $\alpha(xi) = \angle w, xi$ + Wani + ... Wa rei Osyceme " (1) anounturelle  $(X^TX)^{-J}$ 2 rpagnent usu Cryck  $\nabla f(x_1, \dots f_{x_n}) = (f_{x_1}, \dots f_{x_n})$ e unneg. le ca  $w = (w_0, w_1 \dots w_n)$ · souchun

(k-1)

(k-1)

- Pa R R (W )

Tearning rate

$$Q(w) = \frac{1}{n} \sum_{i=1}^{n} (y_{i} - (u_{i}, x_{i}, x_{i}))^{2} + \frac{1}{n} \sum_{i=1}^{n} w_{i}^{2} + \frac{1}{n} \sum_{i=1}^{n} w_{i}^{$$

$$V_{d} = (W_{d} - 2\eta \lambda W_{d}) - \eta \text{ gradous}$$

$$Q_{d} = W_{d} - \eta \text{ gradous}$$

$$W_{d} = W_{d} - \eta \text{ gradous}$$

Monanyague 81 £ [20, 300] me [1, 5]

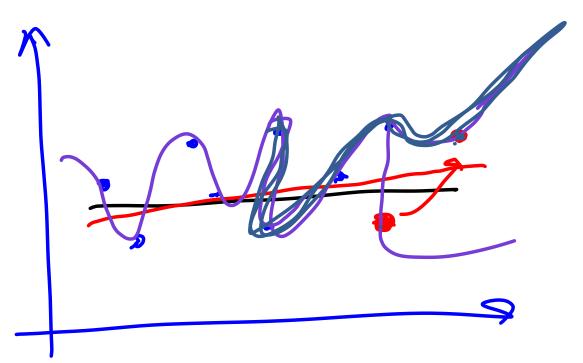
$$\mathcal{A} = \frac{\chi - \pi}{\mathcal{E} - cF} = \frac{95\%}{1.36}$$

x'/b-a)+ c repeasyemmen 1 noorpourson verep rapareent a) k-fold CV J) LOOCV Leave-one-out

Madap ganner D=[D1, D2...Dh]
le reasseu palvers
papuepa Uni = 0 = 8 + ij = 61... le 3 it j D: 1 D; Auropuru K-FOK Cupeauns paparets bordopping vale veerperen. racren \_ -11-11 le et 1 go l'nobropurs gul Test set = bk Ivain = D\Dk Odyrus ungent ha Nochp rponney gus Du u Nochp asb Errotu Error = 1 & Errori Utors bas sumotion (hpoce - bas.) mosseur

LOOW (korga man gammer) gue le 05 1 go nobrepus Test & le-su suemens Berdopm Train = 0 / le-su su. OS. legent va Frasin. Error = 1 1 Error.

L=1



Laripouna rune prop. norpoular.

X train, X test, X val i Lation
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