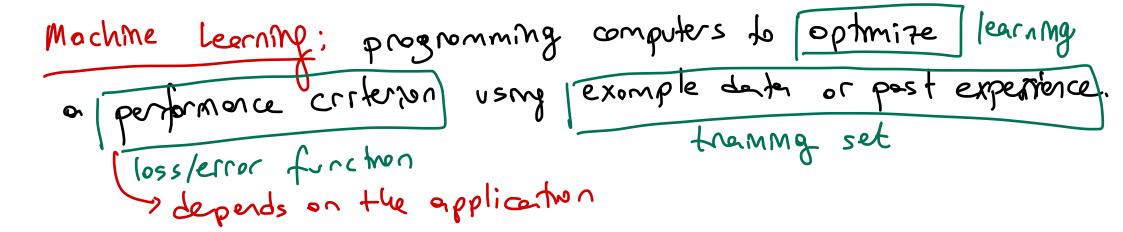
Algorithm - sorting Algorithm VS prediction → Program output Algorithm -- searchmag - test de fa La green a list of # s -unseen de ta · subjectivity - out-of-somple - task: to order these #s
from smallest to lorgest (exemple derte deta past experience) list of#5

Algorithm list of #5 A B A B A A ---
A B A B A A ---
Super -fixed set of rules -deterministic J ? e prediction step



inputs		predictions	Ermo
A		"9"	4°C
B	() ()	"B"	4°C 7
	*	10" ×	10
E		~g" ×	
K		1K11	
	A	$ccuracy = \frac{3}{5}$	
		Error = 2	

absolute error

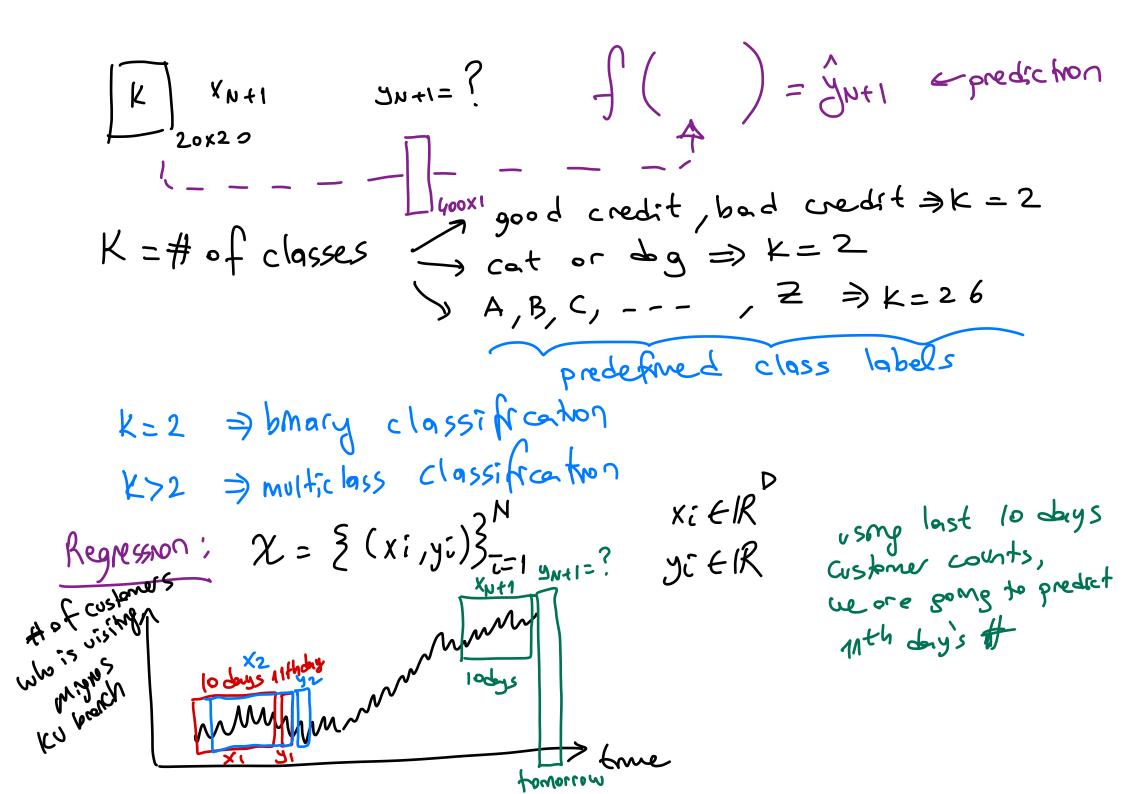
Itruth-predicted

Iyi-gil=leil

 $\chi = \{(x_i, y_i)\}^{(N)} \rightarrow \# of data points$ Supervised Learning: ith label ith output troining set = ith = L $\mathcal{X} = \{(x_1, y_1), (x_2, y_2), ---, (x_N, y_N)\}$ Classification $x_{1} = \begin{bmatrix} y_{1} = \begin{bmatrix} A \\ y_{2} = \begin{bmatrix} S \\ y_{3} \end{bmatrix} \end{bmatrix}$ $x_{2} = \begin{bmatrix} S \\ y_{3} = \begin{bmatrix} S \\ y_{4} \end{bmatrix} \end{bmatrix}$ $y_{2} = \begin{bmatrix} S \\ y_{3} \end{bmatrix}$ x2=[5]_{1x1} xi ∈ 1R⁴⁰⁰

xi ∈ 1R⁴⁰⁰

xi ∈ 2A, B, ..., 23 learned on f (.) function 7 £ A, B, - - - , Z3



$$X_1 = \begin{bmatrix} Feb & 1 & \# \\ Feb & 2 & \# \\ \vdots \\ Feb & 10 & \# \end{bmatrix}$$

$$X_1 = \begin{bmatrix} Feb & 11 & \# \\ \vdots \\ Feb & 10 & \# \end{bmatrix}$$

transing set

Test set





