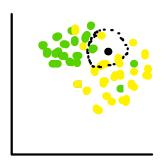
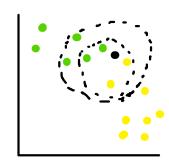
05 March 2022 07:08





KNN is bound on feature similarity.

2) odd value of k

A when to use KNN

- 1) (abelled of ota
- 2) data is maise free
- 3) data is small

any furner 77 kni

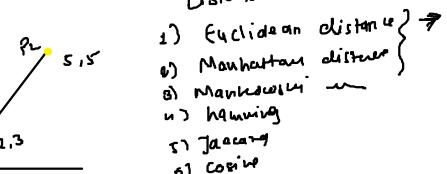
It doesn't land four fouring dontaset

It doesn't larm 1000. 0

50000 (25)

, 10 20

Distance methics



- - 6) corive
 - 7) mahalohis

Mankowshi

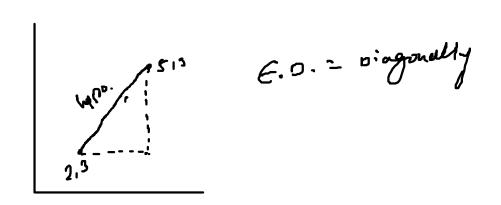
(2 | (21-4)) deriving there distance

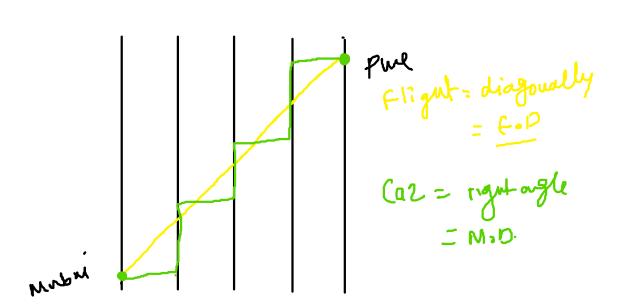
P=1: |(x1-4:)| => Mondather distant

P-2 = \(\(\frac{1}{2} - 4; \)^2 \Rightarrow \(\text{Euddenn distance}\)

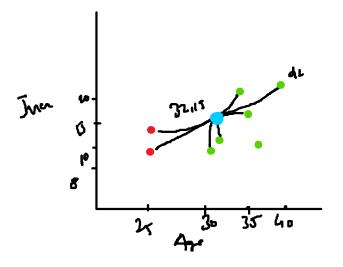
 $\epsilon = \frac{1}{1000} = \frac{1000}{1000} = \frac{1000}{1000}$

$$\begin{cases}
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4,	41	25	A	10
45	<u></u> ኒቴ	وه	D	85- k-3= d2, d3, d6
d.	3.5	14	A	3.9-



$$d_{1} = \sqrt{3^{2} + (15^{-20})^{2}} = 3.3$$

$$d_{2} = \sqrt{(3^{2} - 30)^{2} + (15^{-1}0)^{2}} = 1.1$$

$$d_{3} = \sqrt{(3^{2} - 25)^{2} + (15^{-8}0)^{2}} = 4.5$$

Industry appli.

1) Recommender cystem (Ameron, 4 outribe, 1987 april)

2) Concept Sourch

