Mon-hiercorchical clustering! K-means clustering when you have large amount of dataset heirachidal clustering is not useful (Aglomero. tive and division) when we have large amount of data we will how many we want one of the way of part-ition clustering is k nears clustering partifion=K=3 K = 10. of chustering windataset means = method Cis to sidentify the cluster Mote - always confirm K cealnes from

			DATE
	P40 (63	sof	K- greans clustering
	+	nggyalgalgallation	
	Stepy	:- 54	+ Kualues
		rinemissipaki	
	for ex	ample	I have a dataset
	A/=	I 1/2	2,43,18,18,8
	A	B	-> So I have defaset which
			has two rewritible A and
	2		Buhich have 5 yours
	4	-5	
	7	7	and select K cealux, co
+	5	7	2
			K = Z
	step 2	· Par	tition of dataset
	me ca	n do	partition with three
			- College Dellettelle
	(2) use	T - 5	peciested unified centrails
	(3) Tan	clom	Partition
	(1)	2) je	depend of many
	lote -	J7704	sty we will use fundem
	paufit	100	J server
	1	di communità di prima di distribui di di samenti produccioni di salesti di salesti di salesti di salesti di sa	
	and the second contract of the second contrac	matter and a supplier for the same and	

	step3	PAGE No.
	From tundom partion happ	ens.
	firstly ut will check the	in walnesand
	give centroids that here	IN = MOCCOL
	Vior7	(1 besition)
	9 dution?	
	Let say we have co-08	dirates of data
	points vike (1,1) (Z,1)	(4,5) (5,7)(7,7)
	new jandom partion u	y'll happen
	Let say cluster	
A =	(1,1) (Z) (4,5)	
	(57) C77)	
	·	
	and we will take out the	e centroid position
	of cluster through this	toremula.
	V + Y + Y + X	
X	- X+X+X+Xn	
	11 bi Concertain org	
Y	$= \frac{7}{7} + \frac{4}{3} + \frac{4}{3} + \frac{4}{17}$	
	no co-ordinates.	
	110. (0-orchites.	
		1. cition.
	(X, y) will be centroid	posetion

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	let compute. for A cluster
	acr ave que les
	X = (1+2+4) - 3.33
	X = (1+2+4) - 3.33
	V = (1+1+5) = 2.53
	Y = (1+1+5) = 2.55
	3
	(3.33 2.33) will be my centraid
	(3, 43 4, 33) Out (1 1)
	position.
	For B cluster.
	For B Christer.
	x - (7+6) - 12 - 6
	X = (.7+5) - 12 - 6
	y = (7+7) = 14 = 7
	2 2
	(6,7) will be my centroid position
and the second s	

Similarity we got tags. Nour Ø record from each centraid and re assist to 80 A cluster Sto Clean (c 3.14 us less cluster and ton unstille dont reach dont owedap each owhoever in A **D** are, 1-2.33 each cluster, and this aluster B Charler mill compute chester where so in this example haue and find the New B chister rather will mone teconidean clusterine of early moure than 2.83 So me an 1-2.33 linester the dictagrant unto mone per tect 000 1.37 3014 5.37 9 25 A 6 Centroid weeker 200 tomary John Sanger 200 W 2:99 2.1

	ralines at	age distance Thirterent	gothe least	wide	6 cluster is 3. The 3 wellings be out book cluster.	because withorsing	Ho clectingor	neuch	
ect the wallus	the mean	re the cuer	thouse chart thousage got		with 6 chaster is 3. the cuil be ord book chaster		Yazis	Char	
from the select the natures	step 1: get the mean walking of	Thep 2 - take the average distance in the cluster by giving different	How plet elbour chart step 3 . * - who exceps a	example 6 cluster after a	point 6 clue	Xaxe		elbeur	
	3	)	+						