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	DATE:
	K-Means. Chestering Algorithm
	Input:
	A dataset with a data points
	Number of dusters: k
9.3	Algorithm
1.	Load the Dataset:
-	pead the csv fitte to entract data
-	Store De data in a suitable structure
	Preproces the Data
	Normalize of standardize The feature
	to bring them to a cimilal scale
3,	Initialize Controide:
	points from the dataset as
	mitial centroids
4,	Repeat until convergence et a get
a.	Assign Musters:
	to each data paine coloutate the
	design the point to the
	the newest centroid,

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6.	reparte centroide:	
-	For each dute, compute the	e mean
	of the point assigned to it	
	reparte the centraid with I	
5.	Convergence check:	
	If chestel assignments do no	t change
	of centroids remain the carn	, stop
6.	Output!	
	Final centroide of all churter	
-	Christer labele for each duta	
	Annual Maria	
	Principal Component Analysis	
	Died toward formation to	
1.	Standardize The Data	~ ~ <i>d</i>
	given a dataset x of size no so of sumples.	120
	d - number of features.	
	L. V - V - W - W - W - Cd	
	* contact = X - M.	
2.	· Compute De copariance Matr	
9.3455	at the same and seems all in	
-	Calculate the correliance matrix	
	De relationship letween diff	
	polors	
	C = 1 Y Tantared X anto	ud.
	h-1	
		ALTERNATION OF THE PARTY.