

Can they work in hon Euclidean Space? [I POINT] era! Both the algorithms can only work in Euclidean space, however The state of the s they can work in non Eudidean Space, where we can use clustwoids wistead of centroids and measure nearners of with intercluster distance or by picking a notion of cohesion. 3 rate per new controld hand on ELPOINT] load a sample of entire data into memory and Take k -> the kneans to find the points close To enough to a centroid called the DS set. there points can be rummarized and discarded. -> Similarly, group points that are close together but not close to any existing centerid. These points too can be summarized and discarded. (CS set) -> The is Plated points can be assigned to pos set RS [N POWNT] es that so do the state = 3 the ith -> Summarize like the following: -2d+1 sun, sun of the respective ith components in the ith dimension L. sumso, sum of equares of the ith component in the ith

- load 2:- [I POINT]

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- . Add new points that are closest to DS or CS whichever is the doset.
- · Update the DS or Cs statistics accordingly
- consider muging comprened sets in the cs.
- In last round, meege all la compressed sele in the Cs and all is points into the nearest DS dusten.
- We can use Mahalanobies distance to measure the nearners

LIMITATIONS [] POINT]

- -> Assumes the data is Normally distributed
- -> axis are fixed ellipses at an angle are not ok.