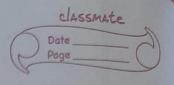
K- means Clustering



K-mean blistering is an unsupervised ML algorithm used for classification problems. It regregates be unlabeled data into clusters based on similar features.

- Prendocade por K-meam;
 - 1. Find the optimal value for K (no. of clusters)
 - 2. Randomly relect K date points which will all as controlds
 - 3. Calculate the distance of each data point with each of
 - 4. Anyon each data point to the da centrald with which it has minimum distance.
 - 5. balculate the new centralds by finding the mean of each durter.
 - 6. Repeat rep 3-5 until old centralds: new centralds.
- 1 Value of K:-

The optimal value for K is charen by Ellian method?

Here, WCSS (within Eluster Sum of Squares) is calculated

for different values of K and the value of K which has

minimum WCSS is sharen,