K-MEAN CLUSTURING ALGORITHM:

AIM: To implement and design K-MEAN CLUSTURING ALGORITHM using weka.

ALGORITHM:

* Choose the number of cluster K.
* Randomly select any K data point as cluster centres.
* Select cluster centres in such a way that they are as further as possible form each other.
* Calculate distance between each data point& each cluster centre.
* Assign each data point to same cluster.
* A data point is assigned to that cluster whose centre in nearest to data point.
* Re-compute the centre of newly formed clusters.
* Keep repeating the procedure from step4 to step6 until centre of newly formed clusters do not change.

OUTPUT:

  