K-Means

[IDX,C] = kmeans(X,k) returns the k cluster centroid locations in the k-by-p matrix C.

Partitions the points in the n-by-p data matrix X into k clusters. This iterative partitioning minimizes the sum, over all clusters, of the within-cluster sums of point-to-cluster-centroid distances. Rows of X correspond to points, columns correspond to variables. kmeans returns an n-by-1 vector IDX containing the cluster indices of each point. By default, kmeans uses squared Euclidean distances.

More information, see MATLAB help.



