

- + generated_samples: Array
- + cluster membership: Array
- + __init__(ClusteringAlgorithm): Type

KMeans

+ generated_samples: Array

 $+ \ cluster_membership: Array$

+ dimensions_minimum: Integer

+ dimension_maximum: Integer

+ k: Integer

+ means: Array

+ old_means: Array

+ __init__(KMeans, Array):None

+ get_k(KMeans): Integer

+ initialize(KMeans): Array

+ assign(KMeans):Array

+ update(KMeans):Array

HierarchicalClustering

- + generated_samples: Array
- + cluster_membership: Array
- + dissimilarity_matrix: Array
- + cluster_membership_matrix: Array
- + __init__(HierarchicalClustering): None
- + get_dissimilarity_matrix(HierarchicalClustering): Array
- + merge clusters(HierarchicalClustering): Array
- $+\ find_clustering_cut_off(HierarchicalClustering):\ Integer$

DBSCAN

- + generated_samples: Array
- + cluster_membership: Array
- + eps: Float
- + min_pts: Integer
- + __init__(DBSCAN): None
- + get_eps_and_min_pts(DBSCAN): Touple
- + get density reachable(DBSCAN): Array