Experiment 1

KMeans: 6 clusters, Init: random, Max Iter: 100, Silhouette: 0.725

DBSCAN: eps=0.5, min_samples=5, Silhouette: 0.289

Agglomerative: 3 clusters, Silhouette: 0.581

Experiment 2

KMeans: 6 clusters, Init: k-means++, Max Iter: 200, Silhouette: 0.725

DBSCAN: eps=0.3, min_samples=10, Silhouette: -0.207

Agglomerative: 4 clusters, Silhouette: 0.681

Experiment 3

KMeans: 6 clusters, Init: random, Max Iter: 500, Silhouette: 0.725

DBSCAN: eps=0.7, min_samples=5, Silhouette: 0.454

Agglomerative: 5 clusters, Silhouette: 0.698

Experiment 4

KMeans: 6 clusters, Init: k-means++, Max Iter: 300, Silhouette: 0.725

DBSCAN: eps=0.6, min_samples=8, Silhouette: 0.398

Agglomerative: 6 clusters, Silhouette: 0.726

Experiment 5 :

Default settings :

K-Means: Silhouette Score: 0.725

Agglomerative Clustering: Silhouette Score: 0.570

DBSCAN: Silhouette Score: 0.289

Best parammeters :

K-Means 0.725 n_clusters=6, init='k-means++', max_iter=300

DBSCAN 0.454 eps=0.7, min_samples=5

Agglomerative 0.726 n_clusters=6