Clustering method	Number of clusters	Clustering hyper-parameters	Predictions of clusters
KMeans	2	{'num_clusters': 2, 'n_init': 5, 'max_iter': 300}	[1 1 1 0 0 1 1 0 1 1 1 1 0 1 0 0 0 1 0 0 0 0 1 1 1 1 0 1 1 1 0 1 1]
KMeans	2	{'num_clusters': 2, 'n_init': 15, 'max_iter': 350}	[1 1 1 0 0 0 1 0 0 1 1 0 0 1 0 0 0 1 0 0 0 0 0 0 1 0 0 1 0 1 0 1 1]
KMeans	3	{'num_clusters': 3, 'n_init': 15, 'max_iter': 300}	[2 2 0 1 1 0 0 1 0 2 0 0 0 2 1 0 1 2 1 1 1 0 0 0 2 0 1 2 0 2 1 2 0]
KMeans	3	{'num_clusters': 3, 'n_init': 15, 'max_iter': 350}	[1 1 1 0 0 1 1 0 1 1 1 1 0 1 0 0 0 2 0 0 0 0 1 1 2 1 0 2 1 1 0 1 1]
AgglomerativeClustering	3	{'num_clusters': 3, 'min_samples': 15, 'metric': 'euclidean'}	[0 0 0 2 2 0 0 2 0 0 0 0 2 0 2 2 2 1 2 2 2 2 0 0 1 0 2 0 0 0 2 0 0]
AgglomerativeClustering	4	{'num_clusters': 4, 'min_samples': 15, 'metric': 'euclidean'}	[1 1 1 3 3 0 1 3 0 1 1 0 0 1 3 0 3 2 3 3 3 0 0 0 2 0 3 2 0 1 3 1 1]
KMeans	4	{'num_clusters': 4, 'n_init': 5, 'max_iter': 350}	[2 2 0 1 1 0 0 1 0 2 0 0 0 2 1 0 1 3 1 1 1 0 0 0 3 0 1 2 0 2 1 2 0]
KMeans	4	{'num_clusters': 4, 'n_init': 10, 'max_iter': 300}	[1 1 1 2 2 0 1 2 0 1 1 0 0 1 2 0 2 3 2 2 2 0 0 0 3 0 2 1 0 1 2 1 1]
KMeans	5	{'num_clusters': 5, 'n_init': 15, 'max_iter': 350}	[1 1 2 4 4 2 2 4 2 1 2 2 0 1 4 0 4 3 4 4 4 0 2 2 3 2 4 1 2 1 4 1 2]
AgglomerativeClustering	5	{'num_clusters': 5, 'min_samples': 15, 'metric': 'euclidean'}	[0 0 0 1 1 3 0 1 3 0 0 3 4 0 1 4 1 2 1 1 1 4 3 3 2 3 1 2 3 0 1 0 0]
KMeans	5	{'num_clusters': 5, 'n_init': 5, 'max_iter': 350}	[2 2 0 1 1 3 0 1 3 2 0 3 3 2 1 3 1 4 1 1 1 3 3 3 4 3 1 2 3 2 1 2 0]
KMeans	5	{'num_clusters': 5, 'n_init': 10, 'max_iter': 350}	[2 2 0 1 1 0 2 1 0 2 0 0 3 2 1 3 1 4 1 1 1 3 0 0 4 0 1 2 0 2 1 2 0]
KMeans	6	{'num_clusters': 6, 'n_init': 15, 'max_iter': 350}	[4 4 5 2 2 1 5 2 1 4 5 1 3 4 2 3 2 0 2 2 2 3 1 1 0 1 2 4 1 4 2 4 5]
KMeans	7	{'num_clusters': 7, 'n_init': 15, 'max_iter': 350}	[1 1 3 2 2 0 3 2 0 1 3 0 6 1 2 6 2 5 2 2 2 6 0 0 5 0 2 4 0 1 2 1 3]
DBSCAN	1	{'eps': 1.5, 'min_samples': 15, 'metric': 'euclidean'}	[-1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1]
AgglomerativeClustering	2	{'num_clusters': 2, 'min_samples': 15, 'metric': 'euclidean'}	[0 0 0 1 1 0 0 1 0 0 0 0 0 0 1 0 1 0 1 1 1 0 0 0 0 0 1 0 0 0 1 0 0]
AgglomerativeClustering	2	{'num_clusters': 2, 'min_samples': 15, 'metric': 'euclidean'}	[0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0]
AgglomerativeClustering	2	{'num_clusters': 2, 'min_samples': 15, 'metric': 'euclidean'}	[1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 0 1 1 0 1 1 1 1 1]
AgglomerativeClustering	2	{'num_clusters': 2, 'min_samples': 15, 'metric': 'euclidean'}	[0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0]
AgglomerativeClustering	3	{'num_clusters': 3, 'min_samples': 15, 'metric': 'euclidean'}	[0 0 0 1 1 0 0 1 0 0 0 0 0 0 1 0 1 2 1 1 1 0 0 0 2 0 1 2 0 0 1 0 0]
AgglomerativeClustering	3	{'num_clusters': 3, 'min_samples': 15, 'metric': 'euclidean'}	[0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 2 0 0 0 0 0]
AgglomerativeClustering	3	{'num_clusters': 3, 'min_samples': 15, 'metric': 'euclidean'}	[0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 2 0 0 0 0 0]
AgglomerativeClustering	4	{'num_clusters': 4, 'min_samples': 15, 'metric': 'euclidean'}	[1 1 1 3 3 1 1 3 1 1 1 1 3 1 3 3 3 0 3 3 3 3 1 1 0 1 3 2 1 1 3 1 1]
AgglomerativeClustering	4	{'num_clusters': 4, 'min_samples': 15, 'metric': 'euclidean'}	[0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 3 0 0 0 0 0 0 1 0 0 2 0 0 0 0 0]
AgglomerativeClustering	5	{'num_clusters': 5, 'min_samples': 15, 'metric': 'euclidean'}	[4 4 1 2 2 1 1 2 1 4 1 1 2 4 2 2 2 0 2 2 2 2 1 1 0 1 2 3 1 4 2 4 1]
AgglomerativeClustering	5	{'num_clusters': 5, 'min_samples': 15, 'metric': 'euclidean'}	[0 0 0 1 1 0 0 1 0 0 0 0 1 0 1 1 1 4 1 1 1 1 0 0 3 0 1 2 0 0 1 0 0]
AgglomerativeClustering	5	{'num_clusters': 5, 'min_samples': 15, 'metric': 'euclidean'}	[0 0 0 1 1 0 0 1 0 0 0 0 0 0 1 0 1 3 1 1 1 0 0 0 4 0 1 2 0 0 1 0 0]
AgglomerativeClustering	6	{'num_clusters': 6, 'min_samples': 15, 'metric': 'euclidean'}	[5 5 2 1 1 3 2 1 3 5 2 3 4 5 1 4 1 0 1 1 1 4 3 3 0 3 1 0 3 2 1 5 2]
AgglomerativeClustering	6	{'num_clusters': 6, 'min_samples': 15, 'metric': 'euclidean'}	[2 2 1 0 0 1 1 0 1 2 1 1 0 2 0 0 0 4 0 0 0 0 1 1 3 1 0 5 1 2 0 2 1]
AgglomerativeClustering	6	{'num_clusters': 6, 'min_samples': 15, 'metric': 'euclidean'}	[0 0 0 1 1 0 0 1 0 0 0 0 2 0 1 2 1 3 1 1 1 2 0 0 4 0 1 5 0 0 1 0 0]
AgglomerativeClustering	7	{'num_clusters': 7, 'min_samples': 15, 'metric': 'euclidean'}	[5 5 2 1 1 3 2 1 3 5 2 3 4 5 1 4 1 0 1 1 1 4 3 3 0 3 1 6 3 2 1 5 2]
AgglomerativeClustering	7	{'num_clusters': 7, 'min_samples': 15, 'metric': 'euclidean'}	[2 2 0 1 1 0 0 1 0 2 0 0 6 2 1 6 1 4 1 1 1 6 0 0 3 0 1 5 0 2 1 2 0]
AgglomerativeClustering	7	{'num_clusters': 7, 'min_samples': 15, 'metric': 'euclidean'}	[0 0 0 1 1 2 0 1 2 0 0 2 6 0 1 6 1 3 1 1 1 6 2 2 4 2 1 5 2 0 1 0 0]