

- **Clustering Techniques Used:** K-Means Clustering, DBSCAN Clustering, Agglomerative Hierarchical Clustering, Gaussian Mixture Model (GMM).
- **Number of Clusters Formed:** 9
- **DB Index Value:** 1.6308 (lowest value achieved)
- **Other Metrics** (if applicable):
 - Silhouette Score: 0.1770

Summary:

The optimal number of clusters for the dataset is **9**, as indicated by the lowest DB Index value of **1.6308** using **K-Means Clustering**.