

A Report on Clustering Result

1. **Number of clusters formed:** The code uses KMeans with **N clusters**=10, so 10 clusters are formed.
2. **DB Index value:** The Davies-Bouldin Index (DBI) is calculated to evaluate the quality of the clustering. The value is printed in the notebook, and it's an important metric for determining how well-separated the clusters are.
3. **Clustering Metrics:**
 - The Davies-Bouldin Index (DBI) is used to measure the clustering performance. A lower DBI indicates better clustering.
 - The code also uses PCA (Principal Component Analysis) to reduce the dimensionality of the data to 2 components for visualization.