

# Clustering Report

## 1. Using K-means :

Number of clusters formed : 5

DB Index Value : 0.3662

Silhouette Score: 0.7049

## 2. Using DBSCAN :

Number of clusters formed : 5

DB Index Value : 0.4566

Silhouette Score: 0.7242

Both algorithms perform well, KMeans++ is slightly better due to its lower DBI score and clear, interpretable clusters. However, if handling outliers or noise is important, DBSCAN can be used.