

**Number of Clusters:**

The plot indicates that the K-Means algorithm has identified 4 clusters. This is evident from the 4 distinct colors used to represent the data points, each color corresponding to a different cluster.

**DB Index Value:**

Davies-Bouldin Index value: 1.1548549413115077. This value provides a quantitative measure of the cluster separation. Other

**Relevant Clustering Metrics:**

Other relevant metrics that are often used to assess the performance of K-Means clustering:

**Inertia:** This metric measures the sum of squared distances of samples to their closest cluster center. A lower inertia generally indicates better clustering, as it implies that data points are tightly grouped around their respective centroids.

**Silhouette Score:** This metric evaluates how similar a data point is to its own cluster compared to other clusters. A higher Silhouette Score suggests that the clustering is well-defined and that data points are well-separated.