Clustering Results Report:

1. **Number of Clusters Formed:** Based on the evaluation of different metrics, the best number of clusters (k) was:
    - Best k based on **Silhouette Scor**e, **Davies-Bouldin Index**, and **Dunn Index:** k=2
    - Best k based on **Inertia**: k=10
    - Best k based on **Calinski-Harabasz Index**: k=3

2. **DB Index Value:** The best DB Index was for k=2, which indicates that two clusters gave the best separation between groups.
3. **Other Relevant Clustering Metrics:**
    - **Inertia:** Best for k=10, but this may lead to overfitting.
    - **Calinski-Harabasz Index:** Best for k=3, indicating good balance between within-cluster and between-cluster variance.
    - **Dunn Index:** Best for k=2, showing the best separation between clusters.

Conclusion:

The best k for most metrics is 2. k=2 is the most recommended based on the overall results.