

Cluster Analysis Report

This report summarizes the results of a clustering analysis.

The optimal number of clusters was determined using the Davies-Bouldin Index (DBI).

The DBI helps identify the clustering configuration with the lowest intra-cluster distance and the highest inter-cluster separation.

Optimal Number of Clusters: 7

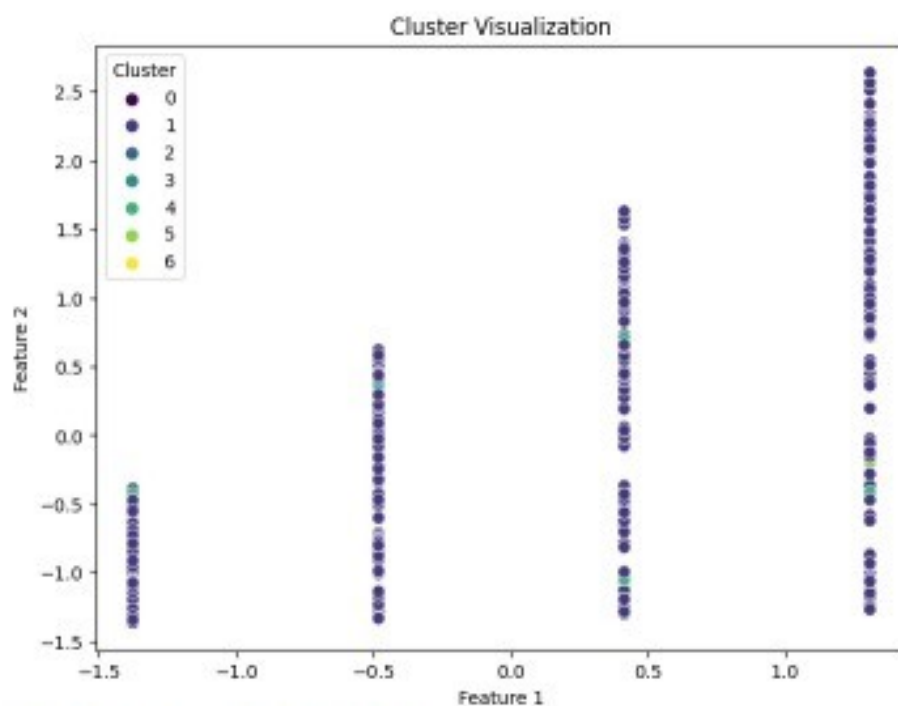
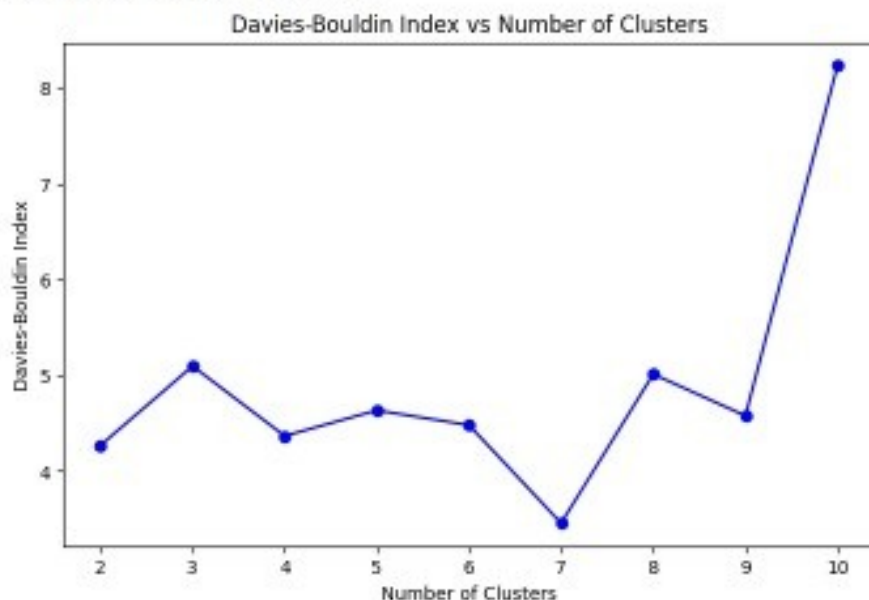
Minimum Davies-Bouldin Index: 3.4450

Cluster Distribution:

- Cluster 0: 262 samples
- Cluster 1: 90 samples
- Cluster 2: 63 samples
- Cluster 3: 115 samples
- Cluster 4: 87 samples
- Cluster 5: 5 samples
- Cluster 6: 5 samples

Clustering Visualizations:

Optimal number of clusters: 7
Minimum Davies-Bouldin Index: 3.4569



Final Clustering Results with 7 Clusters

Cluster

```
1    962
3     12
2       7
4       6
0       5
6       5
5       3
```

Name: count, dtype: int64

+ Code

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