Customer Segmentation Report

Customer Segmentation Report
Number of Clusters: 4
Davies-Bouldin Index: 0.75
Cluster Distribution:
Cluster 0: 35 customers
Cluster 1: 45 customers
Cluster 2: 30 customers
Cluster 3: 40 customers
Description:
The clustering analysis used K-Means with 4 clusters, determined using the Elbow Method.
The Davies-Bouldin Index of 0.75 indicates a good separation between clusters.
Clusters were visualized using PCA for dimensionality reduction, allowing a clear depiction
of customer segments based on transaction behavior and profile data.
Actionable Insights:
1. Cluster 0 represents high-value customers with frequent transactions; target them with

3. Cluster 2 includes occasional buyers; re-engage with promotional campaigns.

2. Cluster 1 consists of average spenders; focus on upselling opportunities.

loyalty programs.

4. Cluster 3 represents low-value customers; analyze their inactivity for potential retention strategies