Number of Clusters Formed
The K—means algorithm was applied with a predefined number of 4
clusters. The results confirm that 4 distinct clusters were indeed
formed in the customer segmentation process.

DB Index Value
The Davies—Bouldin (DB) Index, which measures the average similarity
between each cluster and its most similar cluster, was calculated. A
lower DB Index indicates better cluster separation. For this
clustering:
DB Index = 0.757
This relatively low value suggests good cluster separation and
compact clusters.

Other Relevant Clustering Metrics
In addition to the DB Index, the Silhouette Score was calculated as
another measure of clustering quality:
Silhouette Score = 0.551
The Silhouette Score ranges from —1 to 1, where higher values
indicate better—defined clusters. While positive, this score
suggests there may be some overlap between clusters, but the overall
structure is still meaningful.
These metrics together provide a comprehensive view of the
clustering quality, indicating a reasonable segmentation of
customers based on their features.