Cluster Analysis Results

- **Optimal Number of Clusters**: 10
- **Minimum Davies-Bouldin Index (DB Index)**: 0.785
- **Cluster Distribution**:
    - Cluster 0: 20 customers
    - Cluster 1: 15 customers
    - Cluster 2: 26 customers
    - Cluster 3: 26 customers
    - Cluster 4: 24 customers
    - Cluster 5: 18 customers
    - Cluster 6: 16 customers
    - Cluster 7: 22 customers
    - Cluster 8: 6 customers
    - Cluster 9: 26 customers

The plots show:

1. The DB Index for different cluster sizes.
2. A 2D scatter plot visualizing the clusters using the first two standardized features.