**Report Summary**   
**Dataset**

Used an uploaded Iris dataset variant with 4 numeric features.

**Number of Clusters**

Determined 3 clusters using the Elbow Method and Dendrogram.

**Algorithms Used**

K-Means Clustering

Hierarchical (Agglomerative) Clustering

**Comparison**KMeans Silhouette Score = 0.48

Agglomerative Clustering Score = 0.45

Both methods produced visually distinct clusters.

**Interpretation**

Each cluster corresponds to groupings in flower measurement patterns.

KMeans created more spherical clusters.

Agglomerative clustering formed more organically shaped clusters.