to understand Silhouette Score:

Silhouette analysis for KMeans clustering on sample data with n_clusters = 2
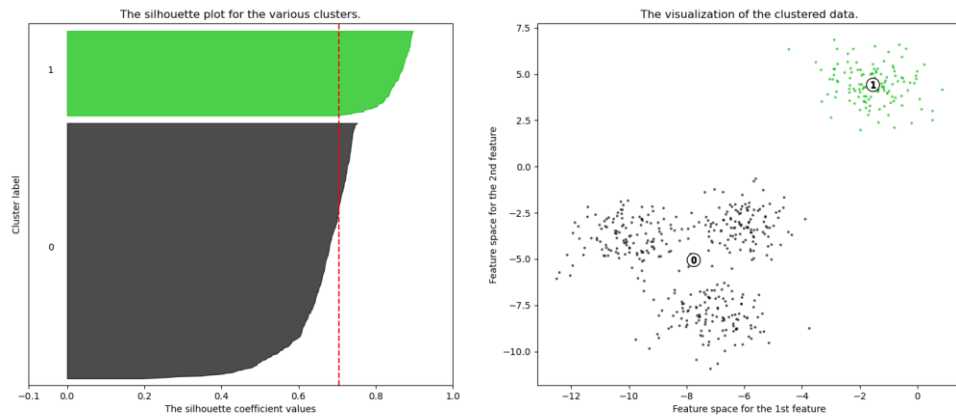
Silhouette analysis for KMeans clustering on sample data with n_clusters = 3
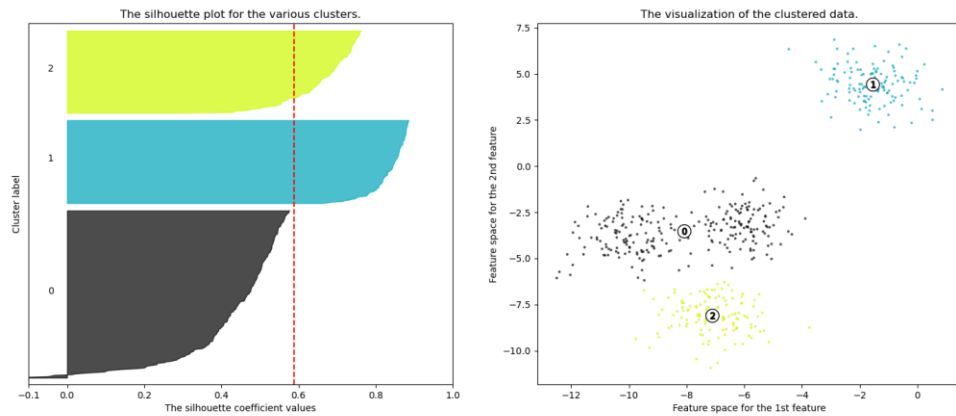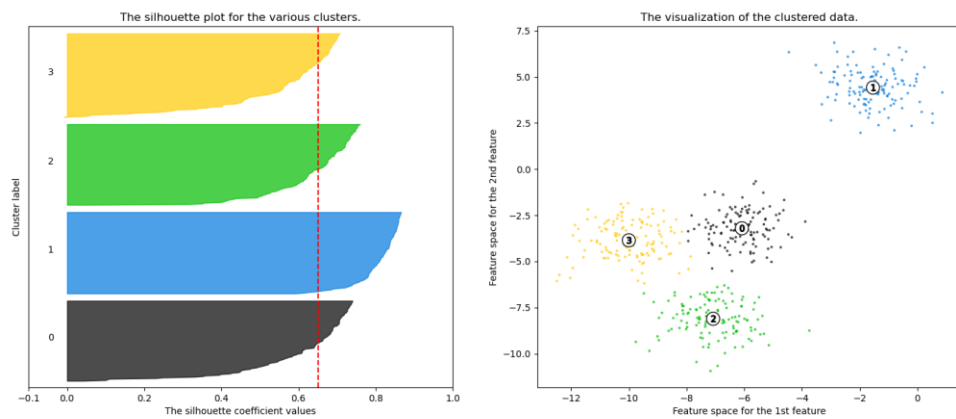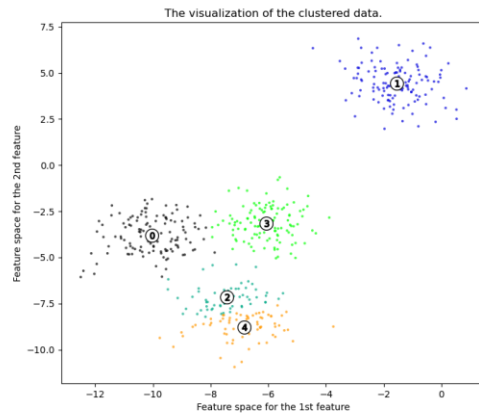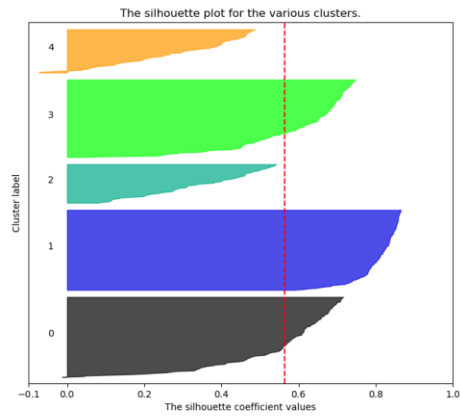

Silhouette analysis for KMeans clustering on sample data with n_clusters = 4

Silhouette analysis for KMeans clustering on sample data with n_clusters = 5

The silhouette plot for the various clusters.

The visualization of the clustered data.

Silhouette analysis for KMeans clustering on sample data with n_clusters = 6

The silhouette plot for the various clusters.

The visualization of the clustered data.