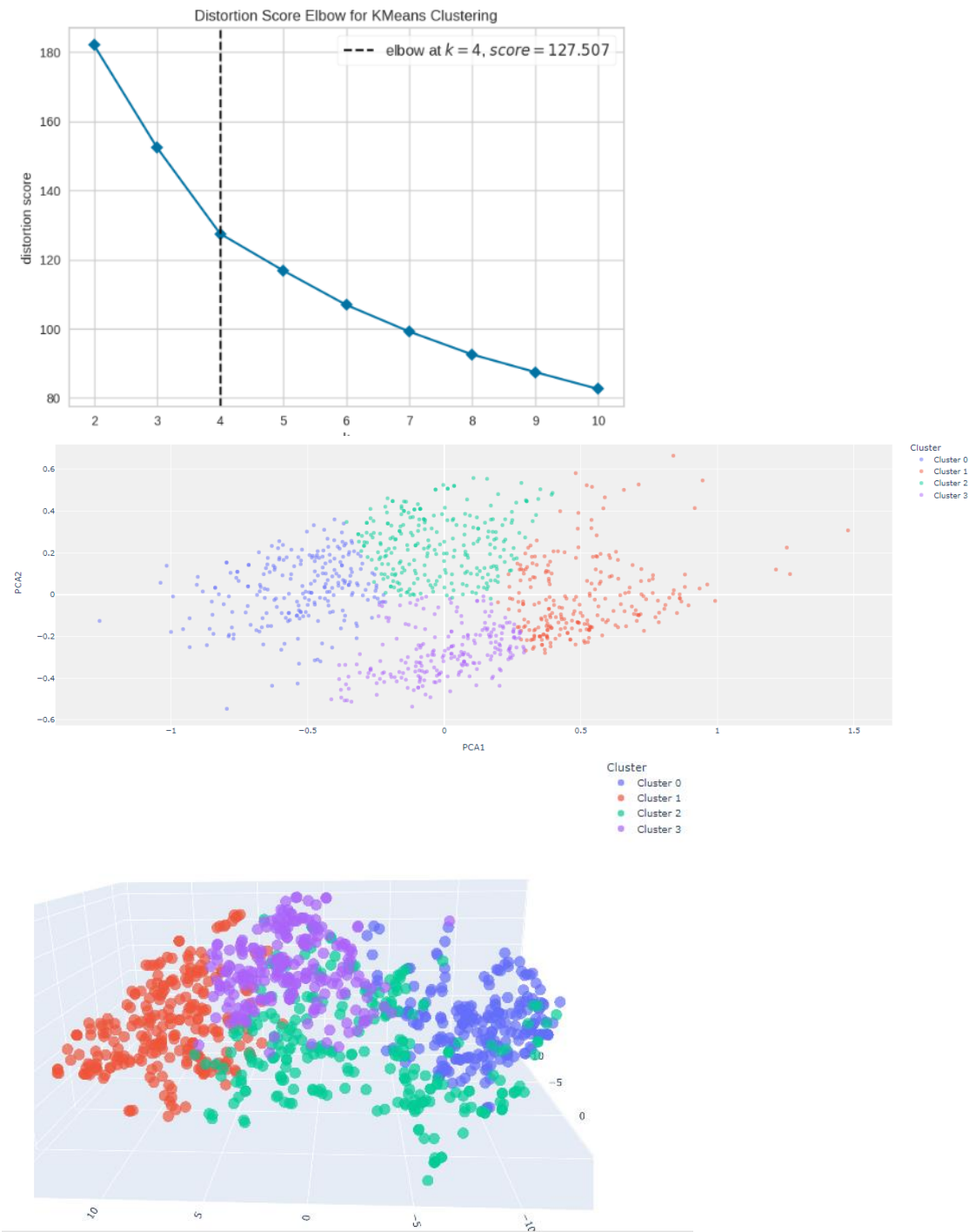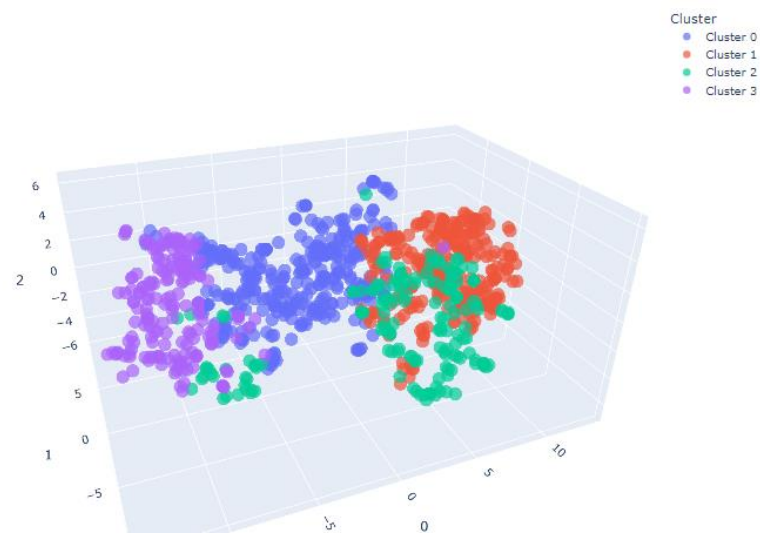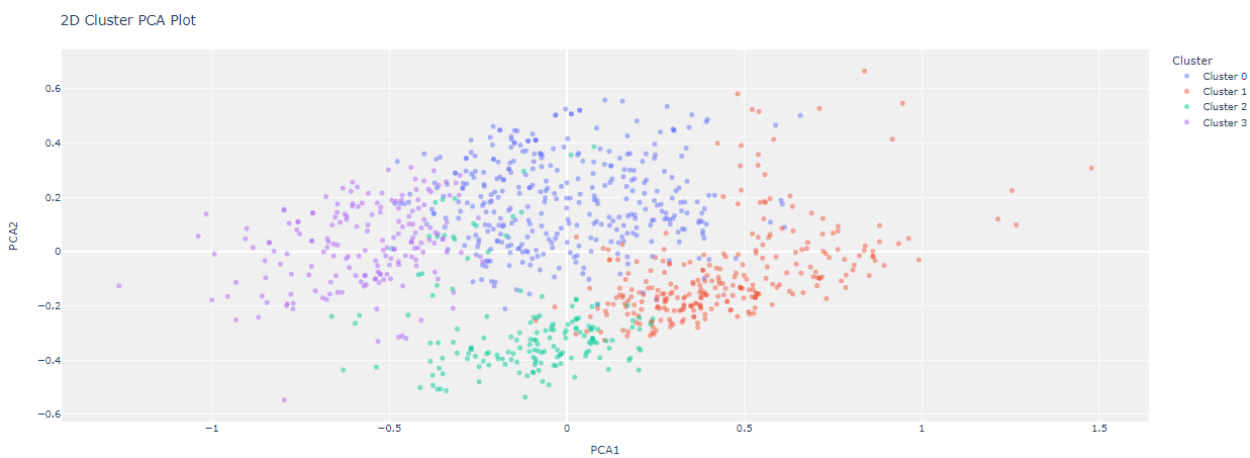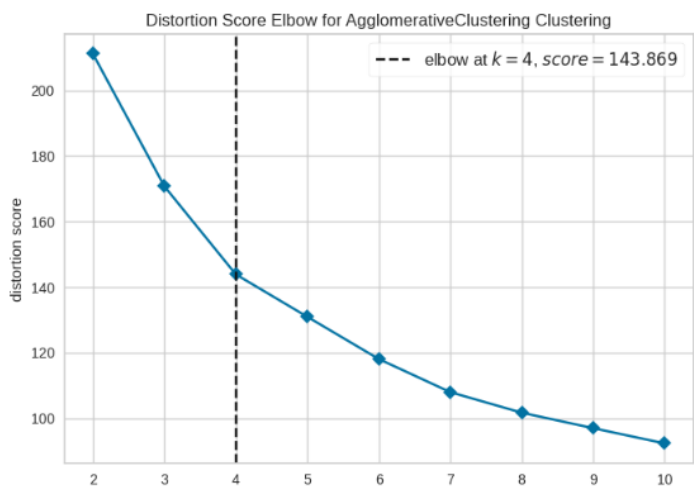# FOR K-MEANS CLUSTERING

(Using Transformation with 4 no of clusters)

FOR HIERARCHIAL CLUSTERING
(Using Transformation & PCA with 4 no of clusters)

Distortion Score Elbow for AgglomerativeClustering Clustering

--- elbow at $k = 4$, $score = 143.869$

2D Cluster PCA Plot

Cluster
- Cluster 0
- Cluster 1
- Cluster 2
- Cluster 3

FOR K-MEANS SHIFT CLUSTERING

(Using no data processing with 4 no of clusters)

2D Cluster PCA Plot