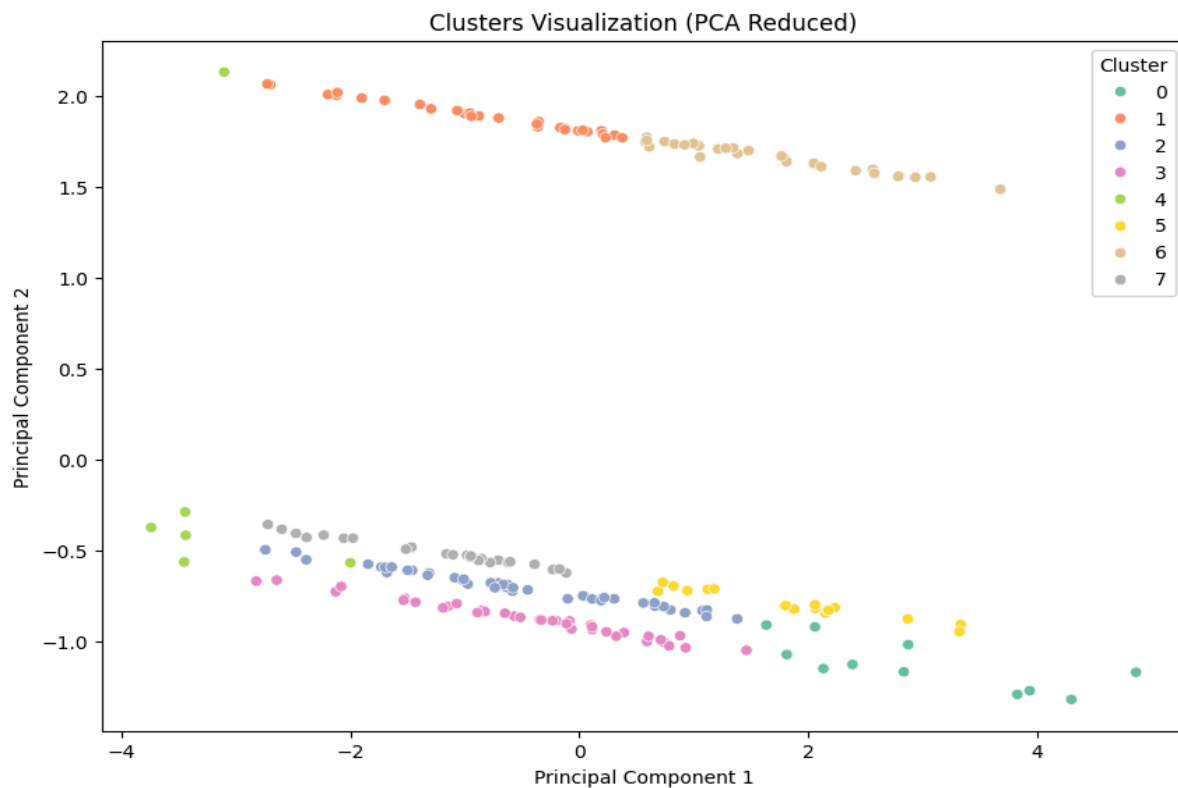# CLUSTERING RESULTS:

Initial Clustering:

The number of clusters formed: 8

DB Index value:0.95 (Optimal number of clusters: 8, DB Index: 0.9513267333851491)

DB Index vs Number of Clusters

Clusters Visualization (PCA Reduced)

After Noise Removal:

The number of clusters formed: 2
DB Index value: 0.15727583208696366

DBSCAN Clustering (PCA Reduced)

DBSCAN Clustering (t-SNE Reduced)