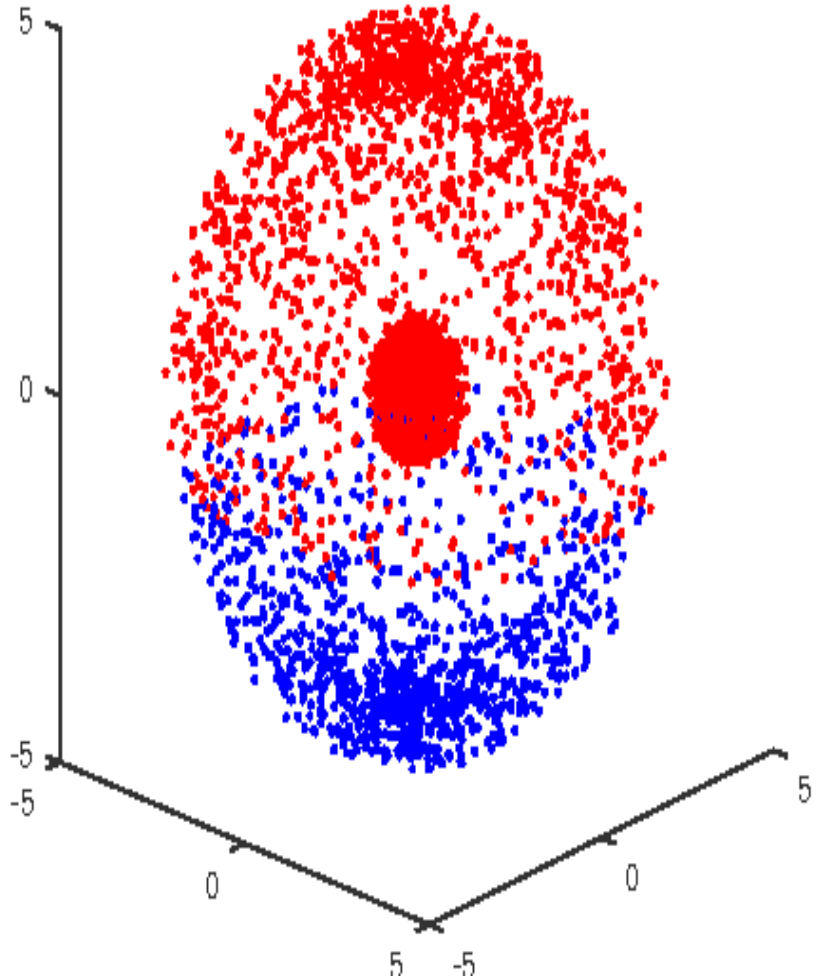
Spectral Algorithm

Clustering

Spectral Clustering

1. Construct a similarity graph.
2. Determine the Adjacency matrix (W), Degree matrix (D)and the Laplacian matrix (L).
3. Compute the Eigenvectors of the matrix (L).
4. Using the second smallest eigenvector as input, train a k-means model and use it to classify the data.

k-means Results



Spectral Clustering Results