

IoT ANALYTICS PROJECT 04

DBSCAN OBSERVATIONS-TASK 3

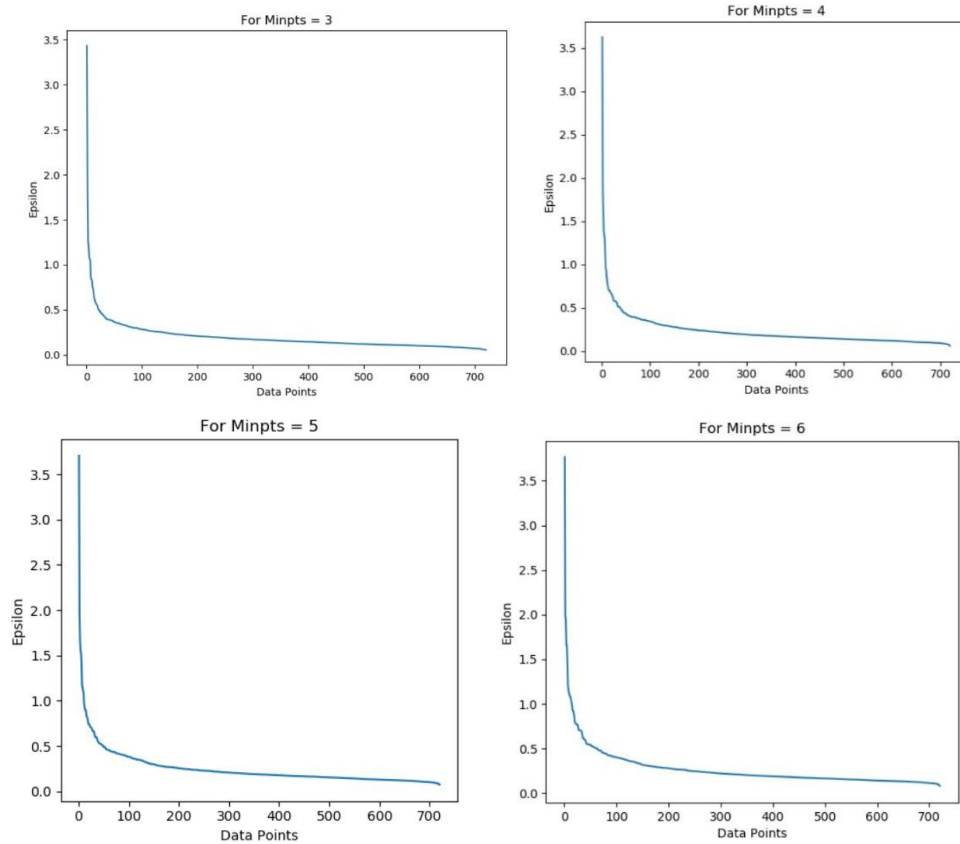
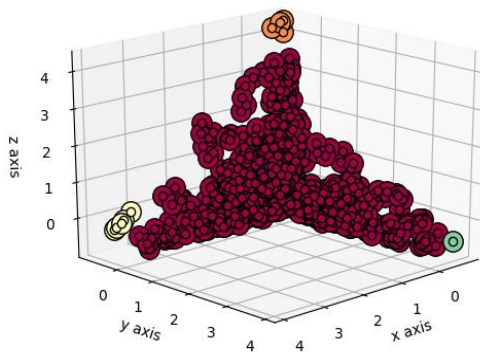


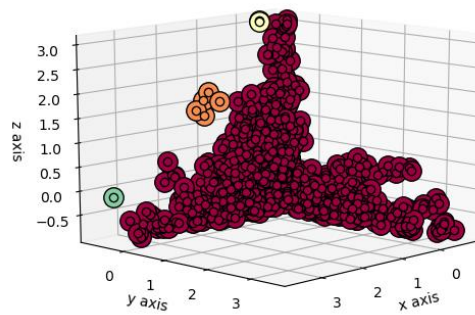
Figure 1: Epsilon Estimation Using Elbow Method

From Fig.1, the best value for epsilon is observed by taking the knee value in each graph and is, Epsilon=0.375 for MinPts=3 and MinPts=4, and epsilon=0.5 for MinPts=5 and Minpts=6.

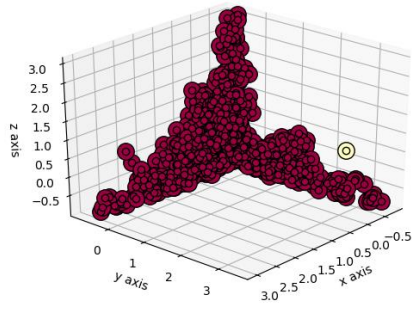
Estimated number of clusters: 4 for minPts = 3, Radius = 0.38



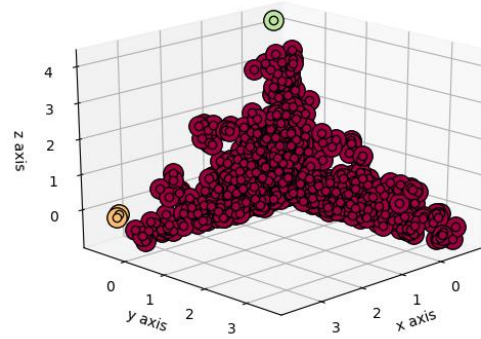
Estimated number of clusters: 4 for minPts = 5, Radius = 0.38



Estimated number of clusters: 2 for minPts = 6, Radius = 0.38



Estimated number of clusters: 3 for minPts = 5, Radius = 0.50



Estimated number of clusters: 2 for minPts = 6, Radius = 0.50

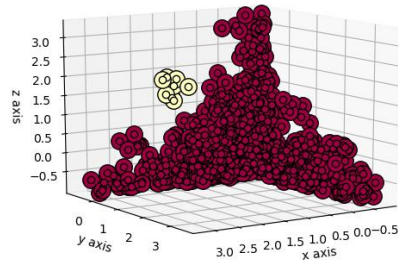


Figure 2: 3D Scatter Plots-DBSCAN

Figure 2 shows the 3D Scatter Plots for MinPts=3,5,6 for an Epsilon of 0.375 and MinPts=5,6 for Epsilon of 0.5