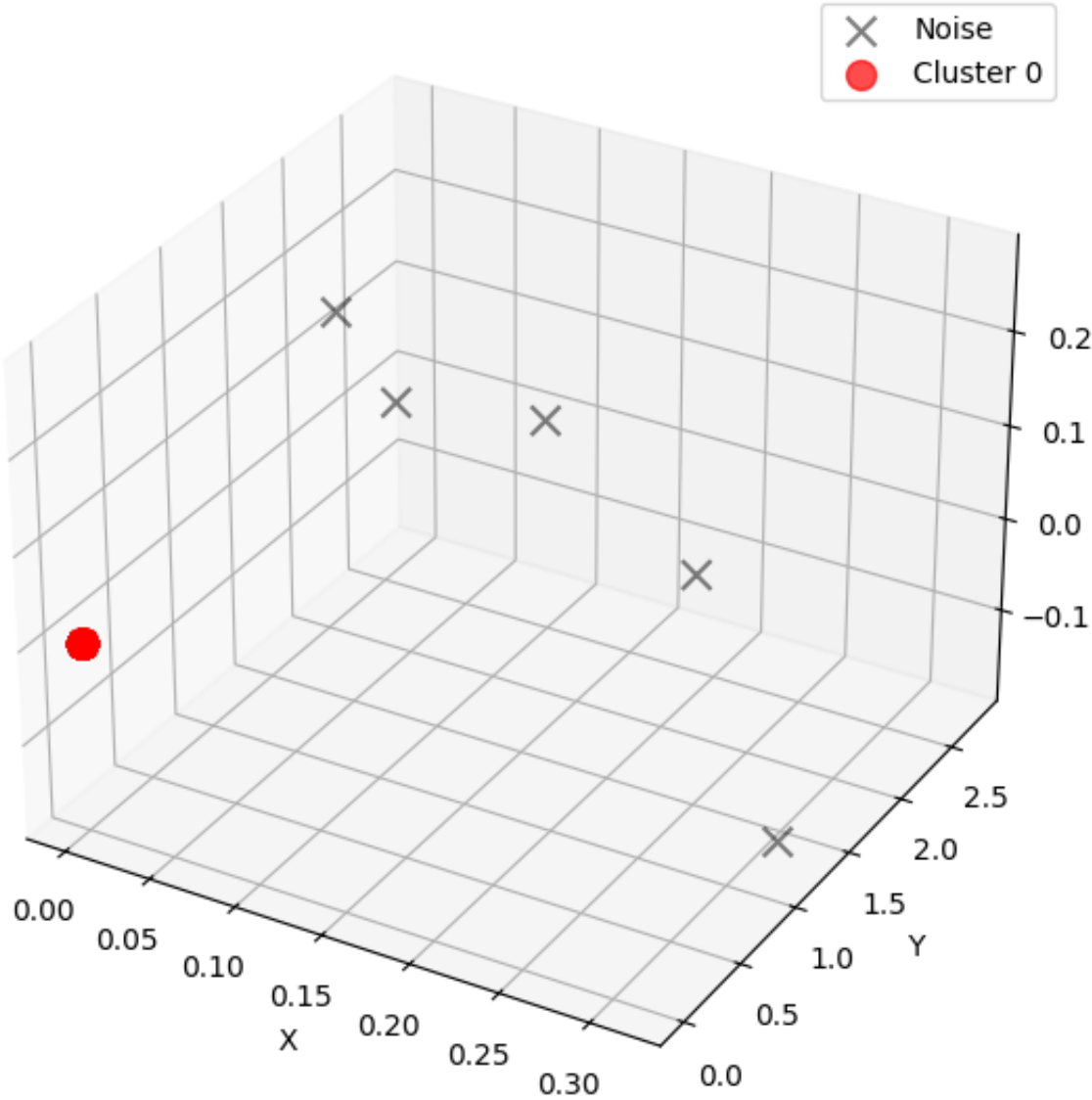


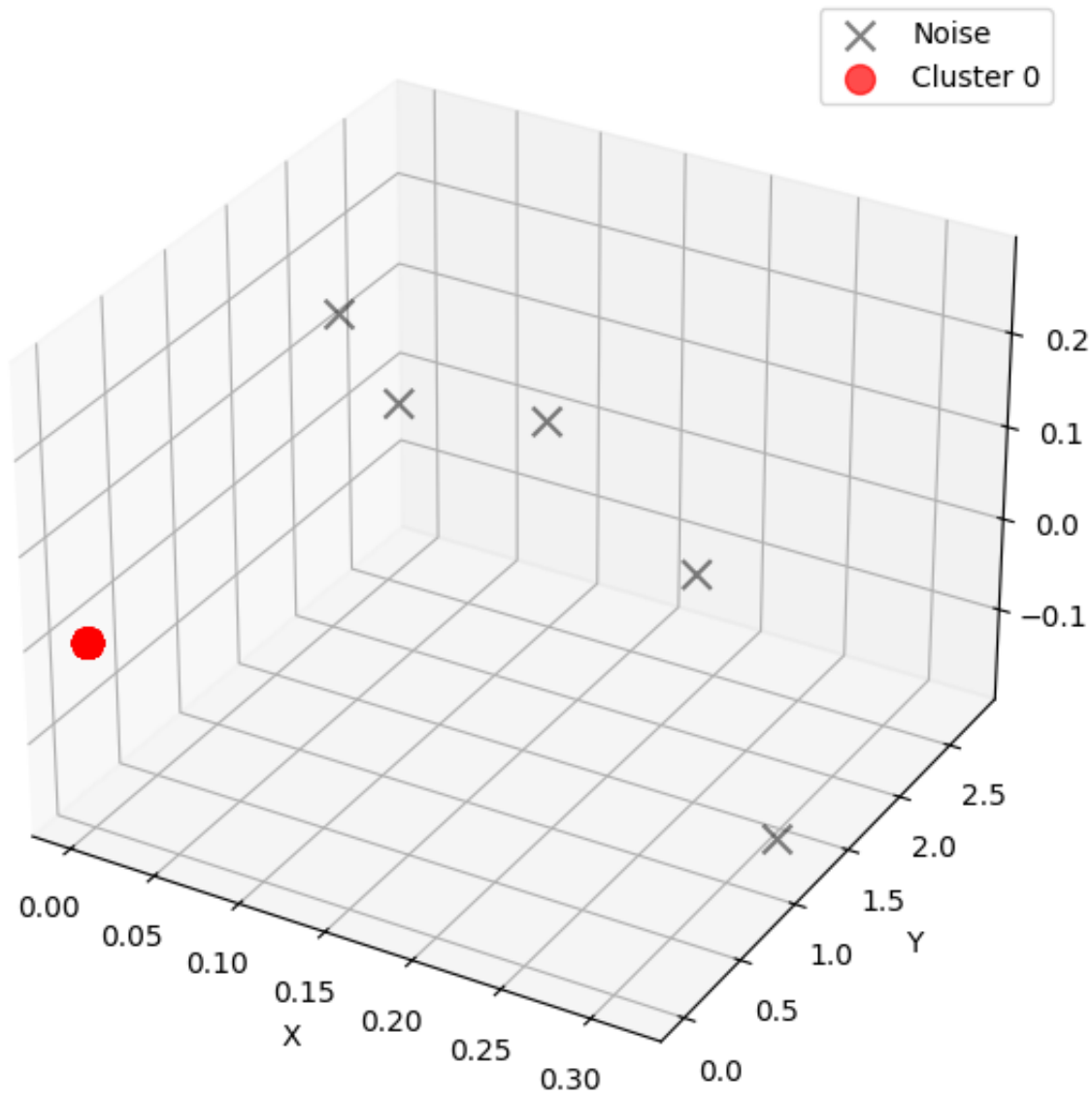
Applying Initial DBSCAN clustering...
100%|██████████| 212920/212920 [07:14<00:00, 489.50it/s]
Initial DBSCAN clustering completed.
Applying Threshold-Based Reassignment...
100%|██████████| 212920/212920 [01:12<00:00, 2931.95it/s]
Threshold-Based Reassignment applied.
Visualizing Initial Clustering

3D DBSCAN Clusters (Initial Reassignment)



Visualizing Final Clustering with Threshold Reassignment

3D DBSCAN Clusters (Final Reassignment)



Initial Clustering - Clusters: 1, Noise points: 5

Final Clustering - Clusters: 1, Noise points: 5