

## HDBSCAN Clustering:

### Random Read:

Silhouette Score for Random Read with min\_samples=15: 0.1926

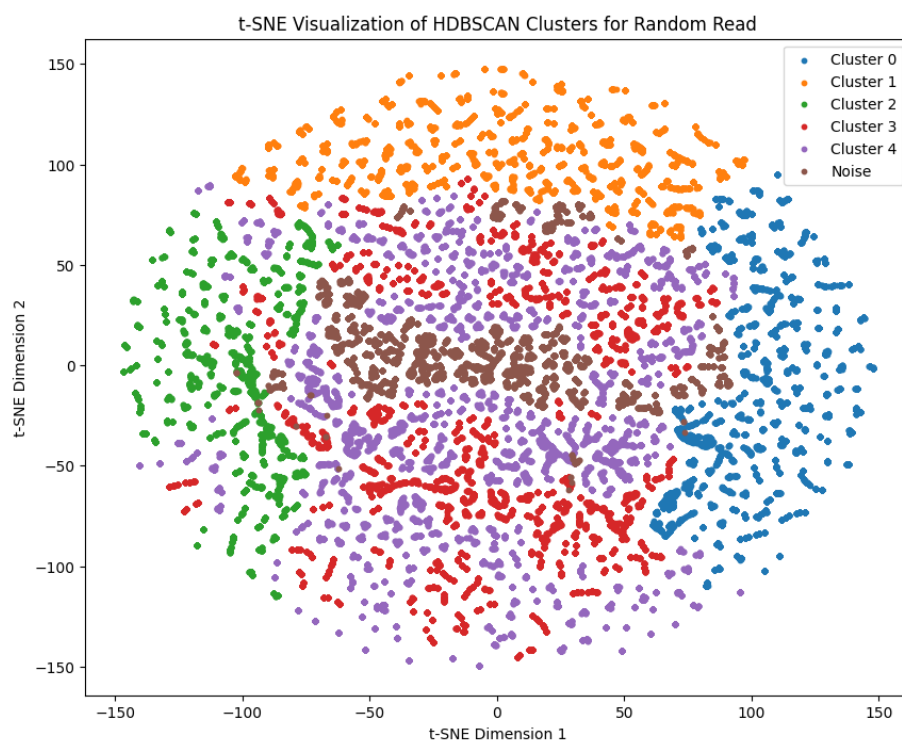


Figure 1: HDBSCAN Clustering - Random Read

*Figure: HDBSCAN clustering for Random Read data showing clustering and silhouette score.*

### Random Write:

Silhouette Score for Random Write with min\_samples=15: 0.1933

*Figure: HDBSCAN clustering for Random Read data showing clustering and silhouette score.*

### Sequential Read

Silhouette Score for Sequential Read with min\_samples=15: 0.1914

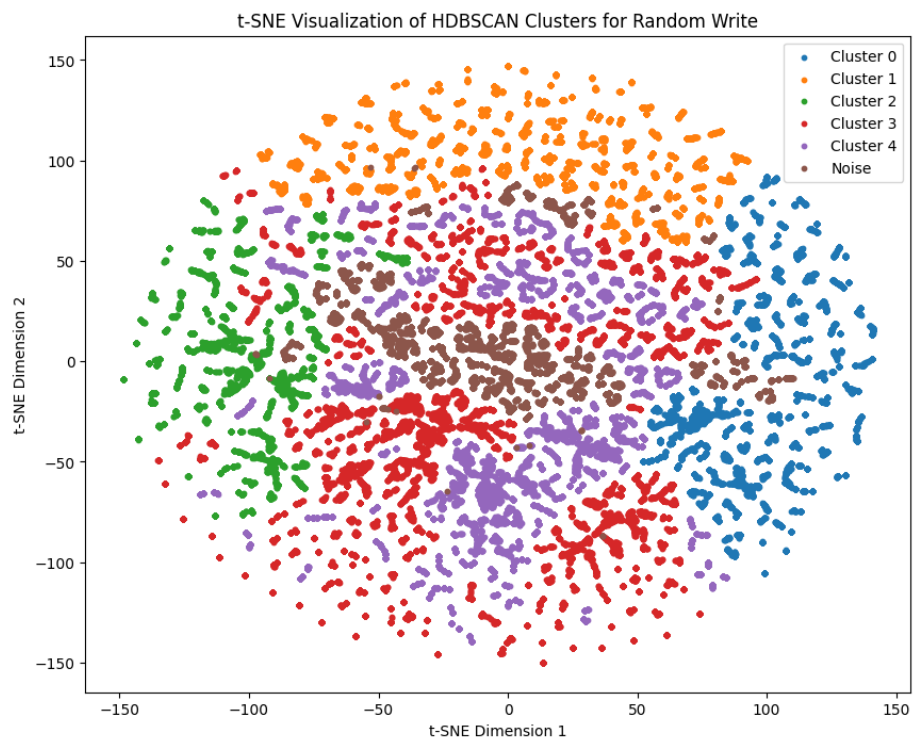


Figure 2: HDBSCAN Clustering - Random Read

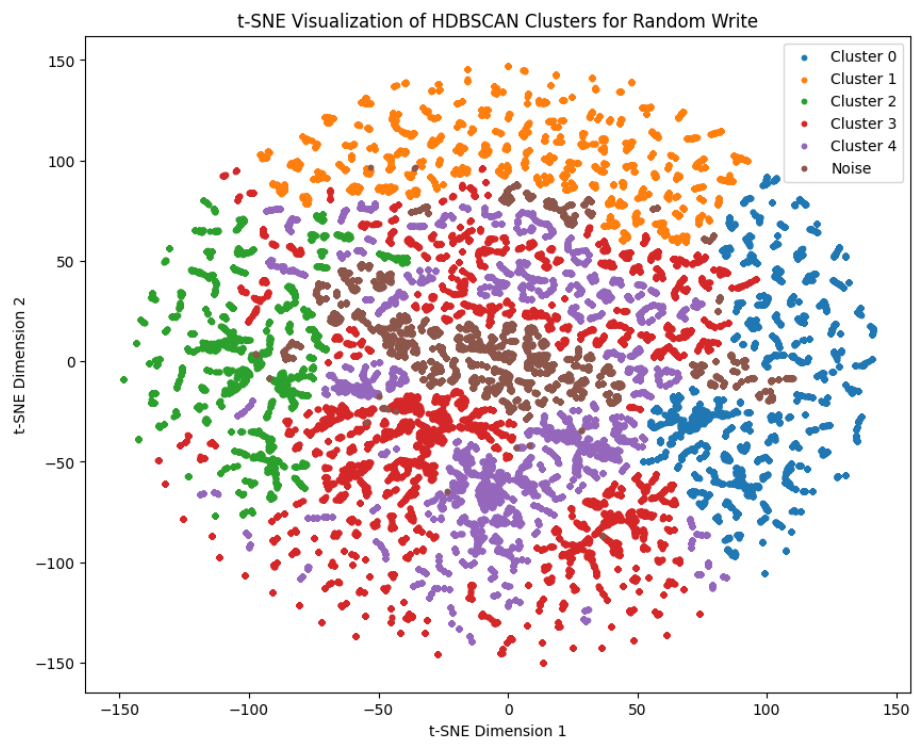


Figure 3: HDBSCAN Clustering - Sequential Read

*Figure: HDBSCAN clustering for Sequential Read data showing clustering and silhouette score.*

## Sequential Write

Silhouette Score for Sequential Write with min\_samples=15: 0.1929

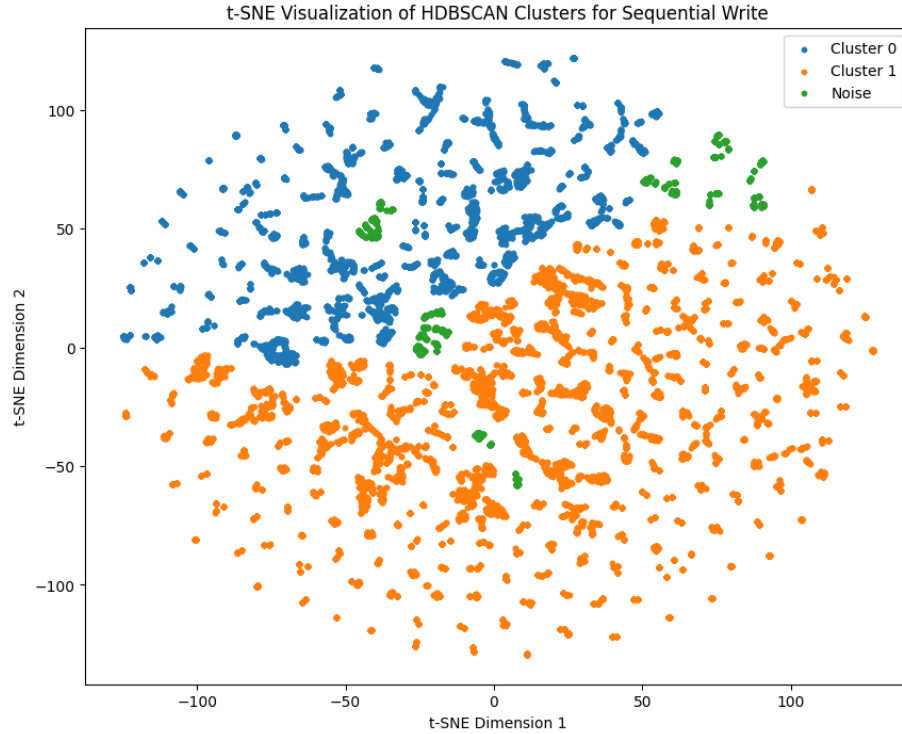


Figure 4: HDBSCAN Clustering - Sequential Write

*Figure: HDBSCAN clustering for Sequential Write data showing clustering and silhouette score.*

## Random Write Latency

Silhouette Score for Random Write with min\_samples=10: 0.2092

*Figure: HDBSCAN clustering for Random Write Latency data showing clustering and silhouette score.*

## Random Read Latency

Silhouette Score for Random Read Latency with min\_samples=10: 0.2091

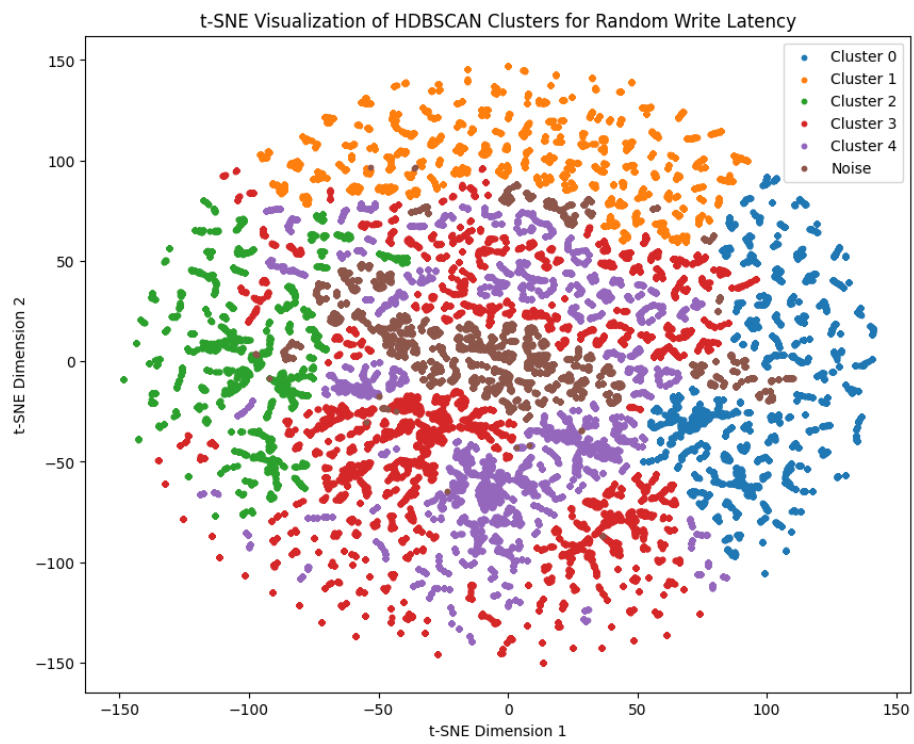


Figure 5: HDBSCAN Clustering - Random Write Latency

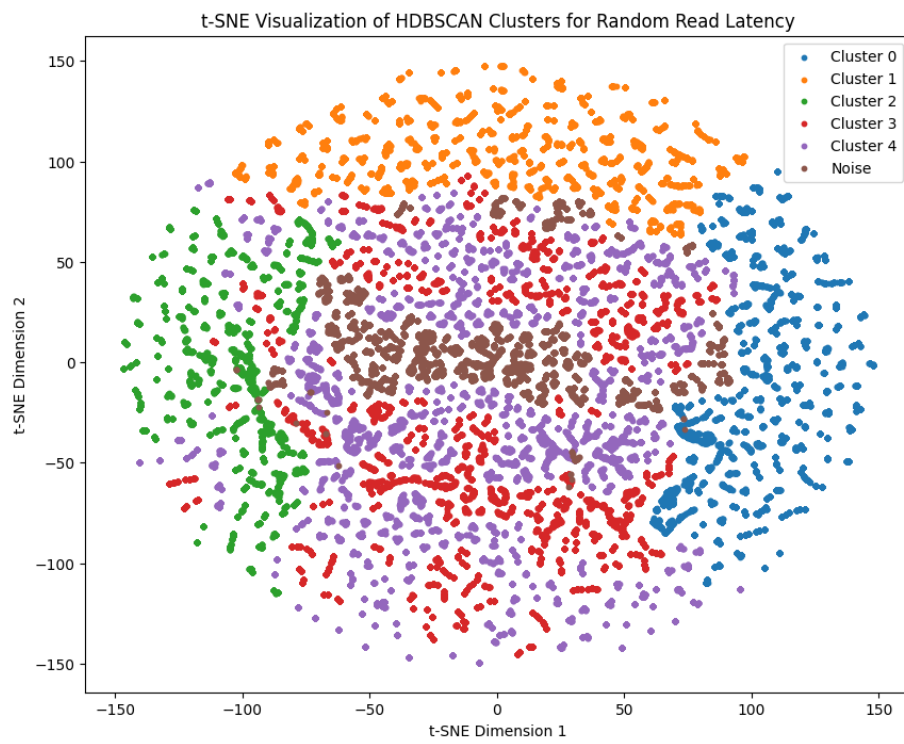


Figure 6: HDBSCAN Clustering - Random Read Latency

*Figure: HDBSCAN clustering for Random Read Latency data showing clustering and silhouette score.*