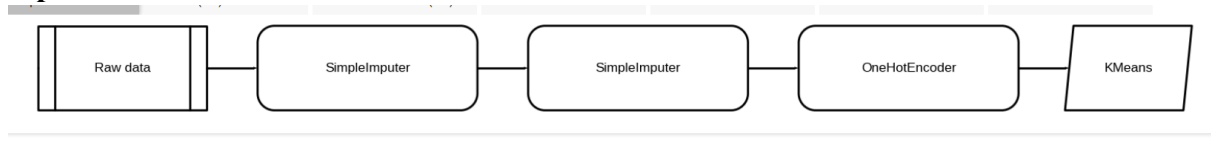


This is the final table for K-mean clustering, all the sample scores are attached below:

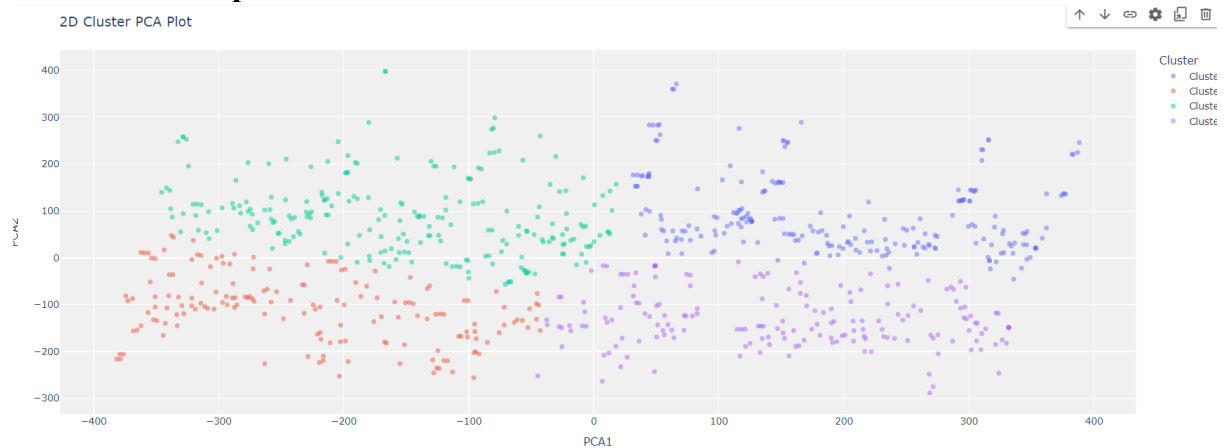
Click the link for the sheet: [Clustering Sheet](#)

Evaluating the model which is divided in 4 clusters:

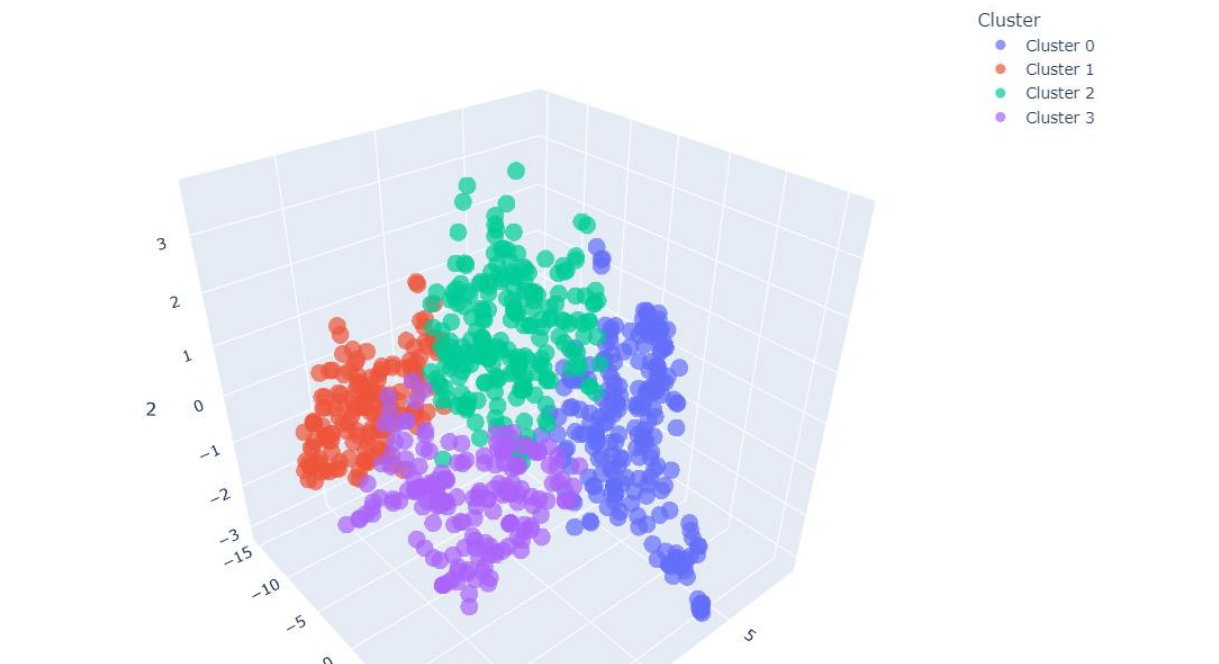
1) Pipeline Plot



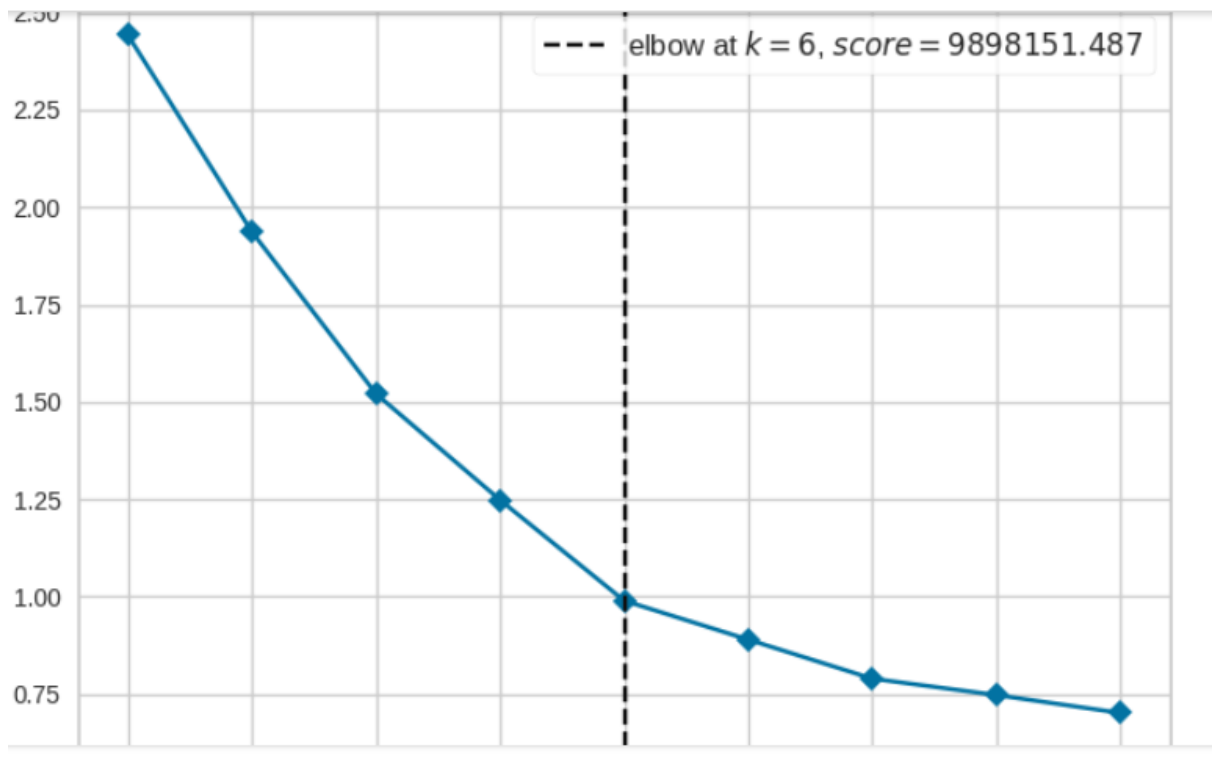
2) 2D cluster PCA plot



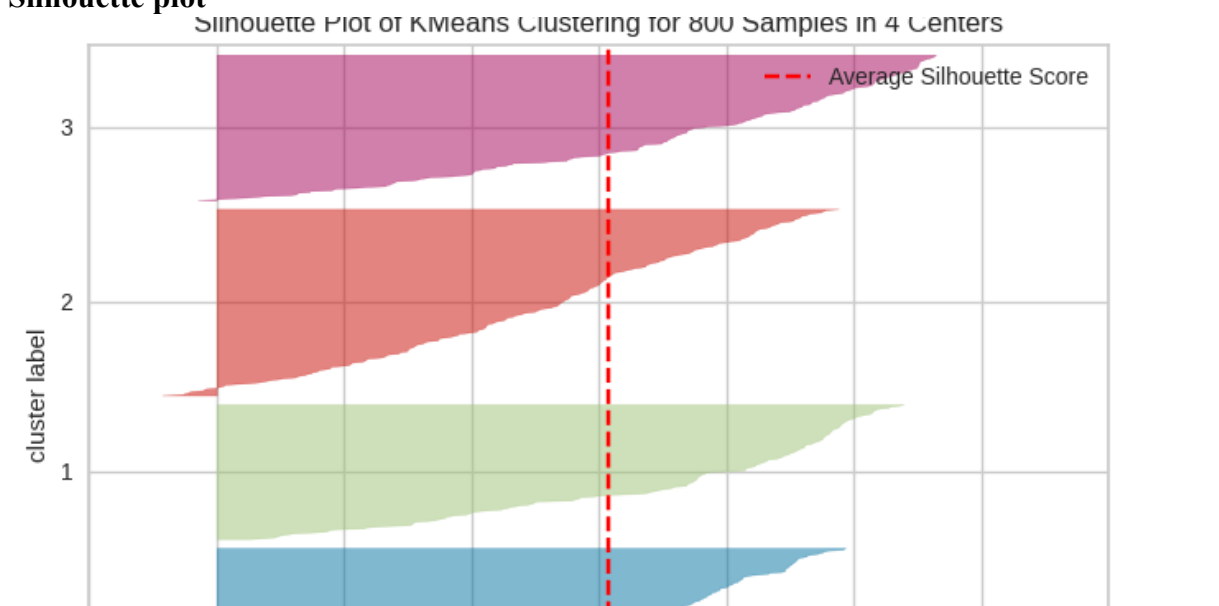
3) 3D plot for clusters



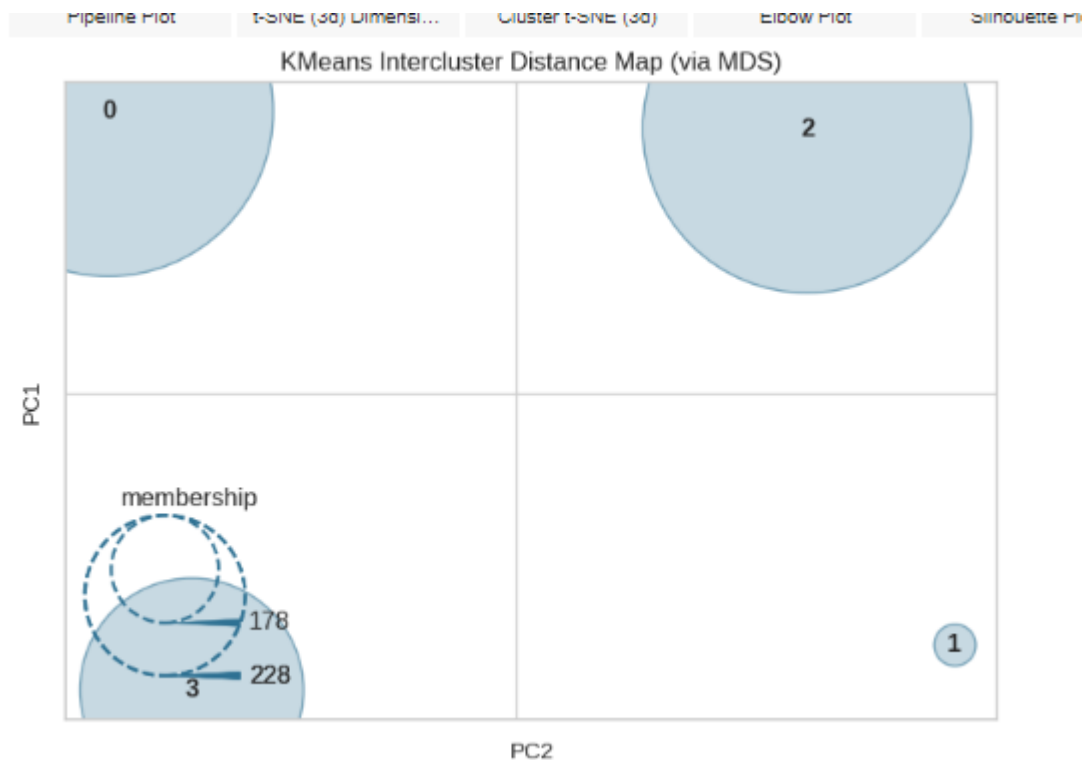
4) Elbow plot



4) Silhouette plot



5) Distance plot



6) Distribution plot



Different Score parameters for clusters ranging from 3 to 6 (pre-normalisation)

↔ For Cluster = 3

	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.3454	640.2016	1.1152	0	0	0

For Cluster = 4

	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.3160	612.2016	1.0904	0	0	0

For Cluster = 5

	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.3201	628.7812	1.0016	0	0	0

For Cluster = 6

	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.3270	651.4176	0.9497	0	0	0

Different Score parameters for clusters ranging from 3 to 6 (post-normalisation)

↔	For Cluster = 3					
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.0041	2.6592	12.1339	0	0	0
For Cluster = 4						
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.0005	2.3236	13.5645	0	0	0
For Cluster = 5						
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	-0.0002	2.1227	12.8766	0	0	0
For Cluster = 6						
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.0001	1.9907	11.8484	0	0	0

Different Score parameters for clusters ranging from 3 to 6 (post-transformation)

↔	For Cluster = 3					
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.4008	1167.6152	0.8744	0	0	0
For Cluster = 4						
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.3493	1024.7136	1.0047	0	0	0
For Cluster = 5						
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.3569	974.2538	0.9181	0	0	0
For Cluster = 6						
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.3503	964.7693	0.9325	0	0	0

Different Score parameters for clusters ranging from 3 to 6 (post-PCA)

☺	For Cluster = 3					
☞	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.3295	652.4557	1.0779	0	0	0
For Cluster = 4						
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.3345	644.6835	0.9707	0	0	0
For Cluster = 5						
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.3063	607.2879	1.0102	0	0	0
For Cluster = 6						
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.3269	651.3867	0.9497	0	0	0

Different Score parameters for clusters ranging from 3 to 6 (post-transformation and normalisation)

☞	For Cluster = 3					
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.6912	1016.4677	0.5410	0	0	0
For Cluster = 4						
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.7544	1467.4682	0.3868	0	0	0
For Cluster = 5						
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.8063	3503.4024	0.2748	0	0	0
For Cluster = 6						
	Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.6329	3054.7759	0.7229	0	0	0

Different Score parameters for clusters ranging from 3 to 6 (post-transformation ,PCA and normalisation)



For Cluster = 3

Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.0013	2.2963	15.6184	0	0

For Cluster = 4

Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.0017	2.1443	13.1099	0	0

For Cluster = 5

Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.0021	2.1127	11.6740	0	0

For Cluster = 6

Silhouette	Calinski-Harabasz	Davies-Bouldin	Homogeneity	Rand Index	Completeness
0	0.0005	2.0999	10.6340	0	0
