

Clustering Comparison Summary – Scenarios

Method	# Features	k	Silhouette	Stability ARI	Min Cluster	Max Cluster	Balance
VIF-Pruned	2	6	0.559	0.916	4	25	0.656
PCA	4	6	0.459	0.755	2	24	0.639
Sparse PCA	4	3	0.458	0.716	6	37	0.492
Factor Analysis	4	6	0.477	0.708	4	26	0.639