



0: Z-score - NO DR - KMEANS: $n_{clusters} = 3$, $n_{neighbors}^{kNN} = 15$

30: Z-score - PCA - KMEANS: $n_{comp} = 1$, $n_{clusters} = 3$, $n_{neighbors}^{kNN} = 11$

60: Z-score - UMAP - KMEANS: $n_{neighbors}^{UMAP} = 10$, $min_{dist} = 0.10$, $n_{components} = 5$, $n_{clusters} = 4$, $n_{neighbors}^{kNN} = 6$

90: Mean - NO DR - KMEANS: $n_{clusters} = 3$, $n_{neighbors}^{kNN} = 1$

120: Mean - PCA - KMEANS: $n_{comp} = 7$, $n_{clusters} = 1$, $n_{neighbors}^{kNN} = 15$

131: Mean - PCA - DBSCAN: $n_{comp} = 12$, $eps = 10.74$, $min_{samples} = 37$, $n_{neighbors}^{kNN} = 1$

144: Mean - UMAP - KMEANS: $n_{neighbors}^{UMAP} = 7$, $min_{dist} = 0.10$, $n_{components} = 5$, $n_{clusters} = 19$, $n_{neighbors}^{kNN} = 6$

174: Min-Max - NO DR - KMEANS: $n_{clusters} = 1$, $n_{neighbors}^{kNN} = 5$

205: Min-Max - PCA - KMEANS: $n_{comp} = 2$, $n_{clusters} = 1$, $n_{neighbors}^{kNN} = 10$

234: Min-Max - UMAP - KMEANS: $n_{neighbors}^{UMAP} = 5$, $min_{dist} = 0.98$, $n_{components} = 4$, $n_{clusters} = 1$, $n_{neighbors}^{kNN} = 5$