

Dataset	Objects	Features	Clusters	0% CS					DILS
				PCCC-N2-S	PCCC-N2-S-RD	COPKM	LCC	CSC	
Banana	5,300	2	2	6,096.2	6,096.2	6,096.2	–	6,121.5	8,074.9
Letter	20,000	16	26	121,884.8	121,884.8	121,639.8	–	–	319,324.0
Shuttle	57,999	9	7	203,152.2	203,038.6	208,926.7	–	–	–
CIFAR10	60,000	3,072	10	120,877,521.8	120,782,280.6	–	–	–	–
CIFAR100	60,000	3,072	100	90,318,144.9	90,160,737.2	–	–	–	–
MNIST	70,000	784	10	42,925,142.0	42,570,228.1	43,361,185.7	–	–	–
Mean				42,408,657.0	42,307,377.6	–	–	–	–

Table W90: Minimum Inertia values of the PCCC and the PCCC-N2-S algorithms for the constraint sets of size 0% CS. Lower values indicate more coherent clusters. The lowest values are stated in bold. The column KMEANS reports the minimum inertia value obtained with the k-means algorithm. The hyphen indicates that the respective algorithm returned no solution within the time limit of 3,600 seconds.