

Dataset	Objects	Features	Clusters	0% CS							
				PCCC-N2-S	PCCC-N5-S	PCCC-N2-S-RD	COPKM	LCC	CSC	DILS	KMEANS
Banana	5,300	2	2	<b>0</b>	<b>0</b>	<b>0</b>	–	–	<b>0</b>	–	–
Letter	20,000	16	26	<b>0</b>	<b>0</b>	<b>0</b>	–	–	–	–	–
Shuttle	57,999	9	7	<b>0</b>	<b>0</b>	<b>0</b>	–	–	–	–	–
CIFAR 10	60,000	3,072	10	<b>0</b>	<b>0</b>	<b>0</b>	–	–	–	–	–
CIFAR 100	60,000	3,072	100	<b>0</b>	<b>0</b>	<b>0</b>	–	–	–	–	–
MNIST	70,000	784	10	<b>0</b>	<b>0</b>	<b>0</b>	–	–	–	–	–
Mean				<b>0</b>	<b>0</b>	<b>0</b>	–*	–*	<b>0</b> *	–*	–

\*Nan values (–) are ignored when computing the sum.

Table W112: Average number of cannot-link constraint violations of the versions of the PCCC algorithm and the four state-of-the-art algorithms (COPKM, CSC, DILS, LCC) for the constraint sets of size 0% CS. The lowest values are stated in bold. The column KMEANS reports the average number of cannot-link constraint violations obtained with the k-means algorithm. The hyphen indicates that the respective algorithm returned no solution within the time limit of 1,800 seconds.