

Lower bound $l$	20% NCS				KMEANS
	PCCC	PCCC-S	PCCC-W	CSC-W	
0.5	–	0.50	<b>0.64</b>	0.35	0.53
0.6	–	0.60	<b>0.65</b>	0.44	0.53
0.7	–	0.71	<b>0.74</b>	0.73	0.53
0.8	–	<b>0.79</b>	<b>0.79</b>	0.76	0.53
0.9	–	<b>0.88</b>	<b>0.88</b>	0.79	0.53
1.0	<b>0.98</b>	0.96	0.96	0.81	0.53
Mean	0.16*	0.74	<b>0.78</b>	0.65	0.53

\*Nan values (–) are replaced with 0 before computing the mean.

Table W123: Average Adjusted Rand Index (ARI) values of the PCCC algorithms and the state-of-the-art algorithm (CSC) obtained with constraint sets of size 20% CS. Higher values indicate more overlap with the ground truth assignment. The highest values are stated in bold. The column KMEANS reports the average ARI values that were obtained with the unconstrained k-means algorithm. The hyphen indicates that the respective algorithm returned no solution within the time limit of 1,800 seconds.