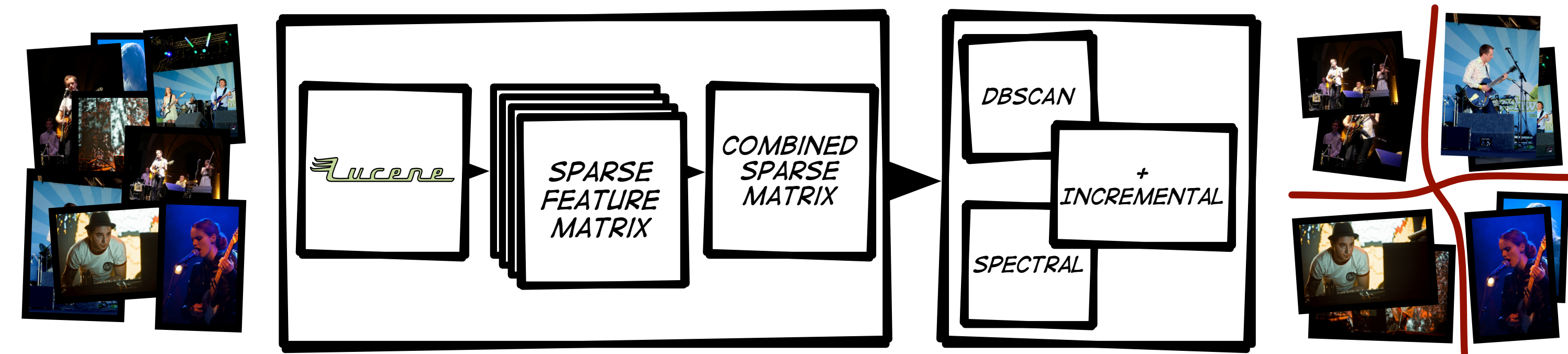
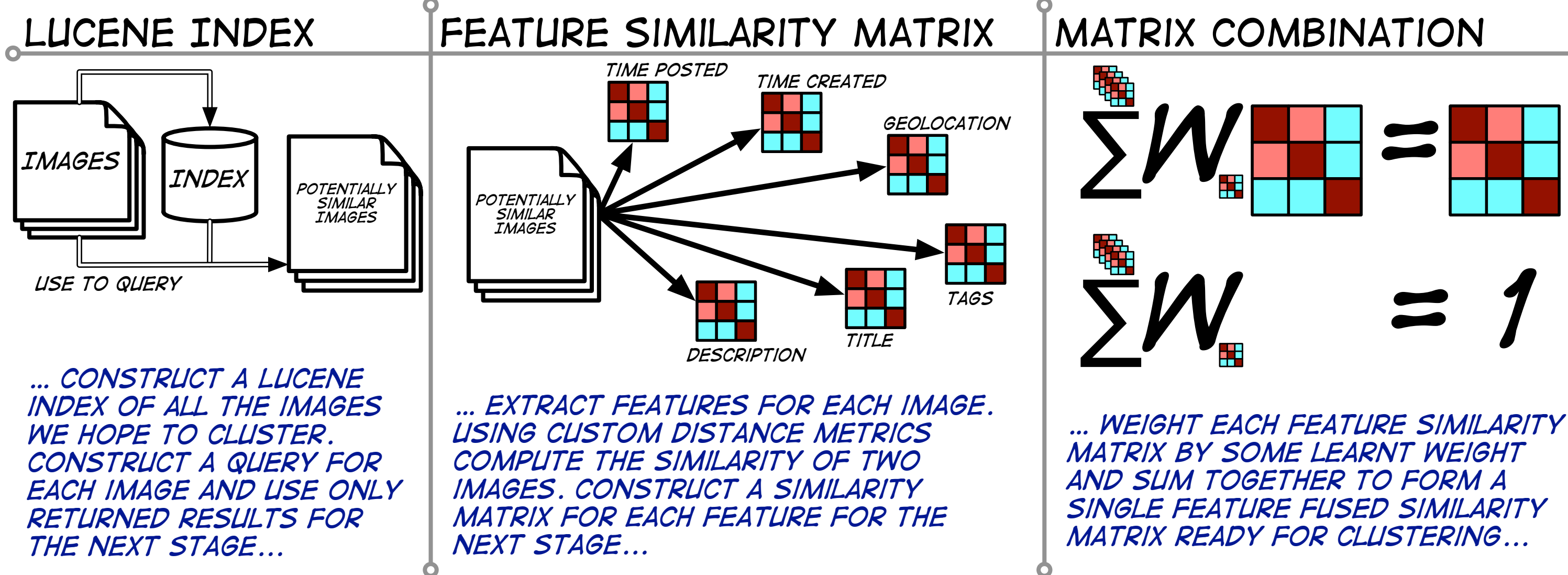


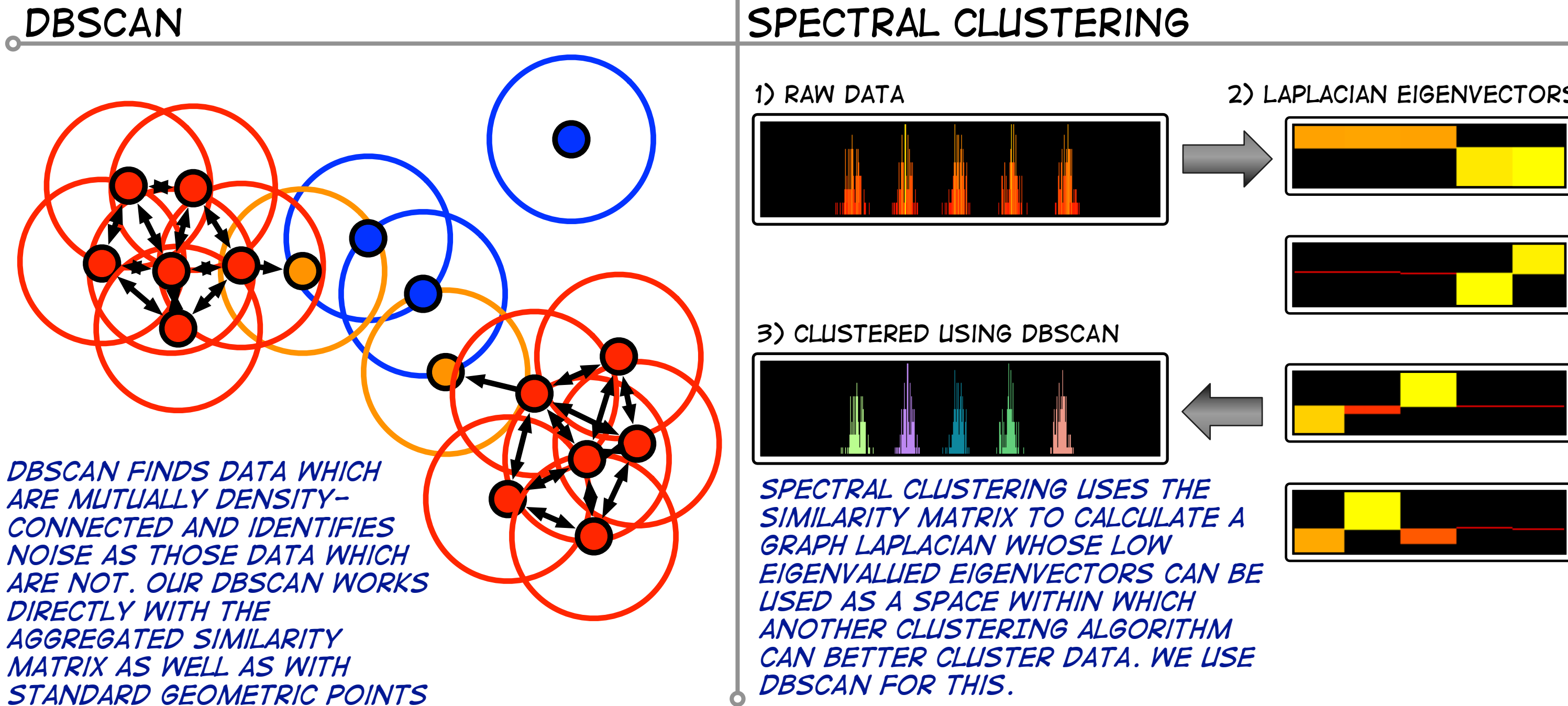
OVERALL APPROACH



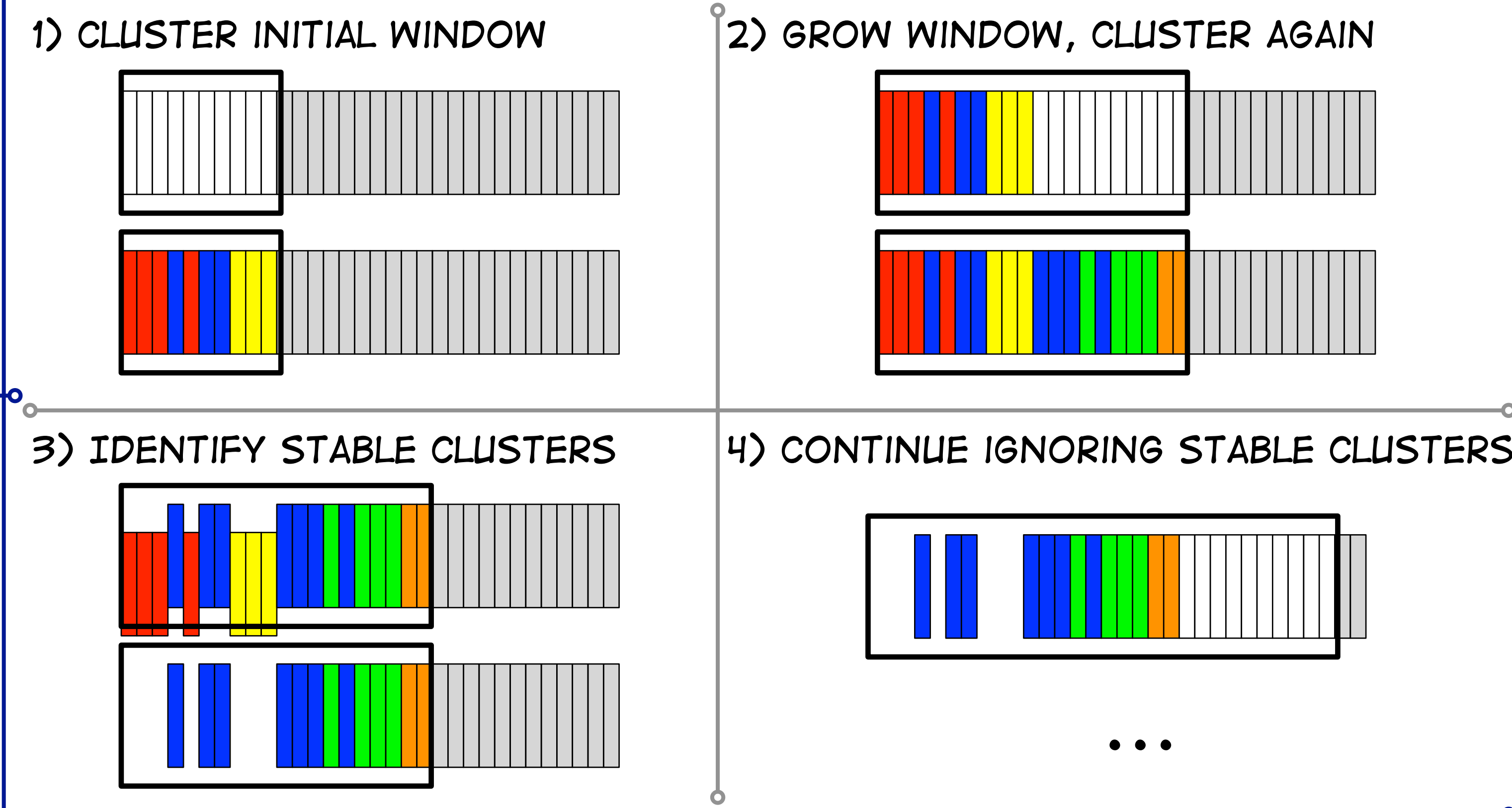
SPARSE SIMILARITY MATRIX



CLUSTERING



INCREMENTAL CLUSTERING



RESULTS

WEIGHT SELECTION
A SIMPLEX SEARCH WAS USED TO FIND THE BEST WEIGHTING OF FEATURES. HOWEVER THE DIFFERENCE BETWEEN THE TOP 1000 POINTS ON THE SIMPLEX WERE SMALL SO AN AVERAGE WEIGHTING COMBINING THE TOP 1000 WEIGHTS WAS ALSO USED

SETTING	TIME TAKEN	TIME POSTED	LOCATION	TEXT DESC	TEXT TITLE	TEXT TAGS
BEST	2	0	1	1	0	3
AVERAGE	2.1	1.8	1.4	0.7	0.3	1.7

OFFICIAL RESULTS

IN ALL EXPERIMENTAL SETTINGS SUBMITTED THE INCREMENTAL ALGORITHM WAS USED. THOUGH OUR INCREMENTAL TECHNIQUE ALLOWED FOR SPECTRAL CLUSTERING ACROSS A RELATIVELY LARGE DATASET, WE FOUND DBSCAN PERFORMED BEST OVERALL

	F1	NMI	F1(DIV)	RB F1	DIV F1
DBSCAN (BEST)	0.945	0.985	0.935	0.059	0.887
SPECTRAL (BEST)	0.911	0.977	0.882	0.058	0.853
DBSCAN (AVG)	0.946	0.985	0.936	0.060	0.886
SPECTRAL (AVG)	0.902	0.974	0.866	0.057	0.846