

sceneSvm
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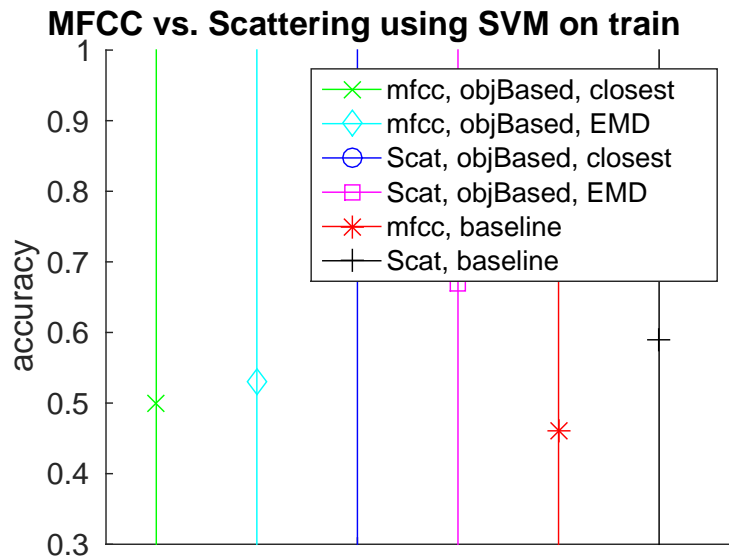


Figure 1: cut: 0.02, set: train, select: 20

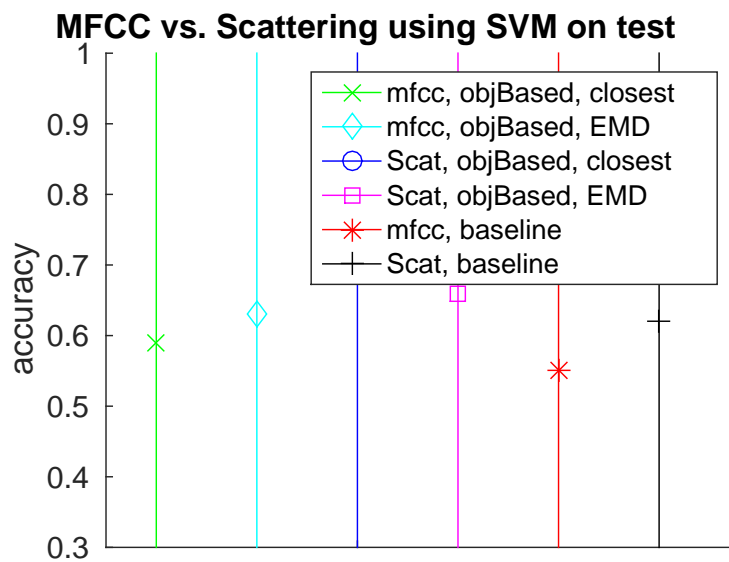


Figure 2: cut: 0.02, set: test, select: 20

features	kernel	cut	distance	select	accuracy
mfcc	objectBased	0.02	closest	10	0.49±0.50
mfcc	objectBased	0.02	closest	20	0.50±0.50
mfcc	objectBased	0.02	closest	30	0.46±0.50
mfcc	objectBased	0.02	closest	40	0.49±0.50
mfcc	objectBased	0.02	emd	10	0.52±0.50
mfcc	objectBased	0.02	emd	20	0.53±0.50
mfcc	objectBased	0.02	emd	30	0.54±0.50
mfcc	objectBased	0.02	emd	40	0.54±0.50
mfcc	objectBased	0.04	closest	10	0.50±0.50
mfcc	objectBased	0.04	closest	20	0.46±0.50
mfcc	objectBased	0.04	closest	30	0.46±0.50
mfcc	objectBased	0.04	closest	40	0.51±0.50
mfcc	objectBased	0.04	emd	10	0.53±0.50
mfcc	objectBased	0.04	emd	20	0.54±0.50
mfcc	objectBased	0.04	emd	30	0.54±0.50
mfcc	objectBased	0.04	emd	40	0.55±0.50
mfcc	objectBased	0.08	closest	10	0.50±0.50
mfcc	objectBased	0.08	closest	20	0.45±0.50
mfcc	objectBased	0.08	closest	30	0.43±0.50
mfcc	objectBased	0.08	closest	40	0.49±0.50
mfcc	objectBased	0.08	emd	10	0.52±0.50
mfcc	objectBased	0.08	emd	20	0.56±0.50
mfcc	objectBased	0.08	emd	30	0.53±0.50
mfcc	objectBased	0.08	emd	40	0.55±0.50
mfcc	objectBased	0.10	closest	10	0.49±0.50
mfcc	objectBased	0.10	closest	20	0.44±0.50
mfcc	objectBased	0.10	closest	30	0.46±0.50
mfcc	objectBased	0.10	closest	40	0.48±0.50
mfcc	objectBased	0.10	emd	10	0.52±0.50
mfcc	objectBased	0.10	emd	20	0.54±0.50
mfcc	objectBased	0.10	emd	30	0.54±0.50
mfcc	objectBased	0.10	emd	40	0.55±0.50
scatteringV	objectBased	0.02	closest	10	0.71±0.46
scatteringV	objectBased	0.02	closest	20	0.72±0.45
scatteringV	objectBased	0.02	closest	30	0.68±0.47
scatteringV	objectBased	0.02	closest	40	0.69±0.46
scatteringV	objectBased	0.02	emd	10	0.65±0.48
scatteringV	objectBased	0.02	emd	20	0.67±0.47
scatteringV	objectBased	0.02	emd	30	0.66±0.48
scatteringV	objectBased	0.02	emd	40	0.65±0.48
scatteringV	objectBased	0.04	closest	10	0.72±0.45
scatteringV	objectBased	0.04	closest	20	0.70±0.46
scatteringV	objectBased	0.04	closest	30	0.68±0.47
scatteringV	objectBased	0.04	closest	40	0.68±0.47
scatteringV	objectBased	0.04	emd	10	0.63±0.49
scatteringV	objectBased	0.04	emd	20	0.65±0.48
scatteringV	objectBased	0.04	emd	30	0.65±0.48
scatteringV	objectBased	0.04	emd	40	0.65±0.48
scatteringV	objectBased	0.08	closest	10	0.71±0.46
scatteringV	objectBased	0.08	closest	20	0.69±0.46
scatteringV	objectBased	0.08	closest	30	0.68±0.47
scatteringV	objectBased	0.08	closest	40	0.68±0.47
scatteringV	objectBased	0.08	emd	10	0.63±0.49
scatteringV	objectBased	0.08	emd	20	0.65±0.48
scatteringV	objectBased	0.08	emd	30	0.63±0.49
scatteringV	objectBased	0.08	emd	40	0.63±0.49
scatteringV	objectBased	0.10	closest	10	0.70±0.46
scatteringV	objectBased	0.10	closest	20	0.69±0.46
scatteringV	objectBased	0.10	closest	30	0.67±0.47
scatteringV	objectBased	0.10	closest	40	0.68±0.47
scatteringV	objectBased	0.10	emd	10	0.63±0.49
scatteringV	objectBased	0.10	emd	20	0.63±0.49
scatteringV	objectBased	0.10	emd	30	0.63±0.49
scatteringV	objectBased	0.10	emd	40	0.63±0.49
mfcc	baseline	0.02			0.46±0.50
mfcc	baseline	0.04			0.48±0.50
mfcc	baseline	0.08			0.47±0.50
mfcc	baseline	0.10			0.48±0.50
scatteringV	baseline	0.02			0.59±0.49
scatteringV	baseline	0.04			0.61±0.49
scatteringV	baseline	0.08			0.62±0.49
scatteringV	baseline	0.10			0.61±0.49

Table 1: set: train

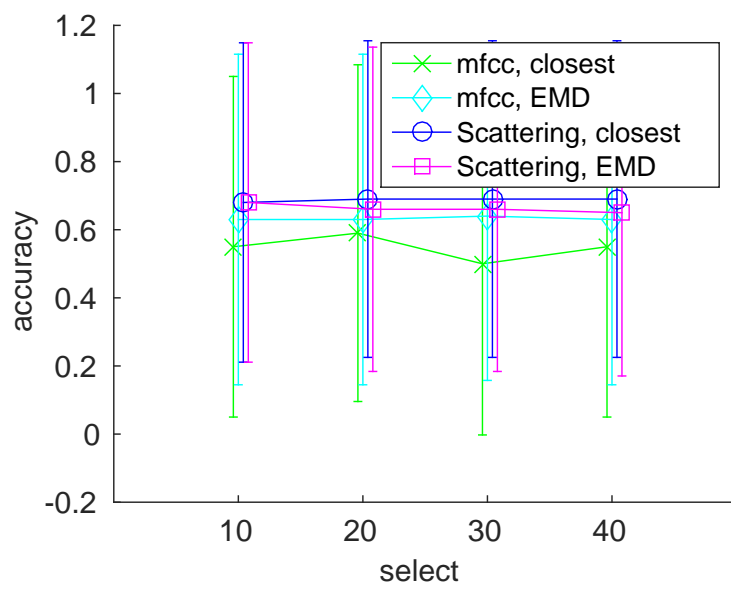


Figure 3: kernel: objectBased, cut: 0.02,
set: test