

First_Run		
Parameters		Accuracy
window	0.03	40.1041666667
window_overlap	0.015	
voiced_threshold_mul	0.05	
voiced_threshold_range	100	
n_mixtures	16	
max_iterations	100	
calc_deltas	FALSE	

Expt 1 : Increasing Number of Mixtures

n_mixtures	Accuracy	Other Parameters	
8	39.84375	window	0.03
16	41.9270833333	window_overlap	0.015
32	45.3125	voiced_threshold_mul	0.05
64	45.3125	voiced_threshold_range	100
128	44.53125	max_iterations	100
256	41.6666666667	calc_deltas	FALSE

Expt 2: Calculating Delta features

calc_deltas	n_mixtures	Accuracy	Other Parameters
TRUE	16	35.67 (did not converge)	window
TRUE	32	43.75	window_overlap
TRUE	64	45.3125	voiced_threshold_mul
TRUE	128	46.09375	voiced_threshold_range
TRUE	256	43.2291666667	max_iterations
TRUE	512	40.3645833333	

Expt 3: Increasing Iterations

max_iterations	Accuracy	Other Parameters	
200	41.9270833333	window	0.03
400	45.3125	window_overlap	0.015
1000	42.96875	voiced_threshold_mul	0.05
2000	45.3125	voiced_threshold_range	100
		n_mixtures	128
		calc_deltas	TRUE

Expt 4: With voiced and unvoiced components

Parameters		Accuracy
window	0.03	42.7083333333
window_overlap	0.015	
n_mixtures	128	
max_iterations	400	
calc_deltas	TRUE	

Parameters		Accuracy
window	0.03	42.1875
window_overlap	0.015	
n_mixtures	256	
max_iterations	400	
calc_deltas	TRUE	

Sheet1

Expt 5 : Varying frame size for deciding voiced region

voiced_threshold_range	Accuracy	Other Parameters	
10	42.7083333333	window	0.03
50	42.96875	window_overlap	0.015
200	44.0104166667	voiced_threshold_mul	0.05
500	42.96875	n_mixtures	128
		max_iterations	400
		calc_deltas	TRUE

ters
0.03
0.015
0.05
100
100