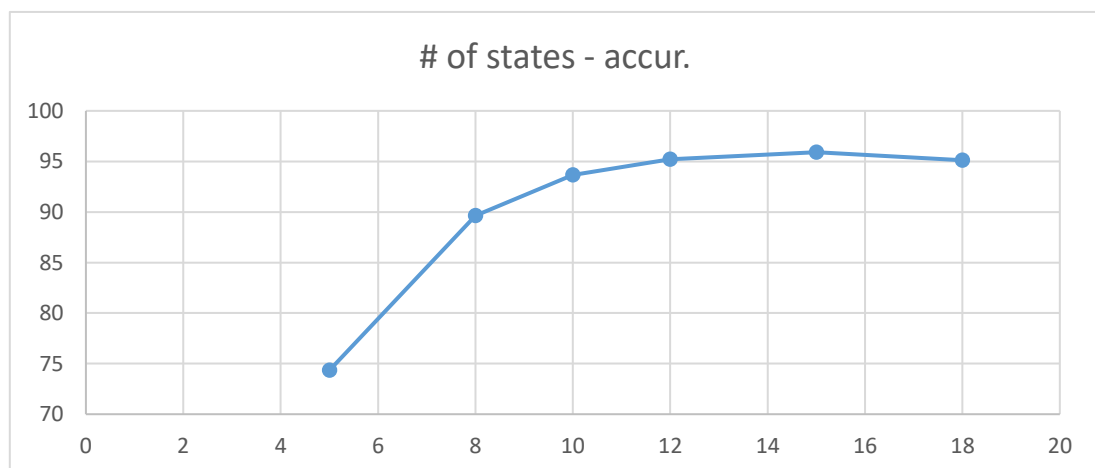
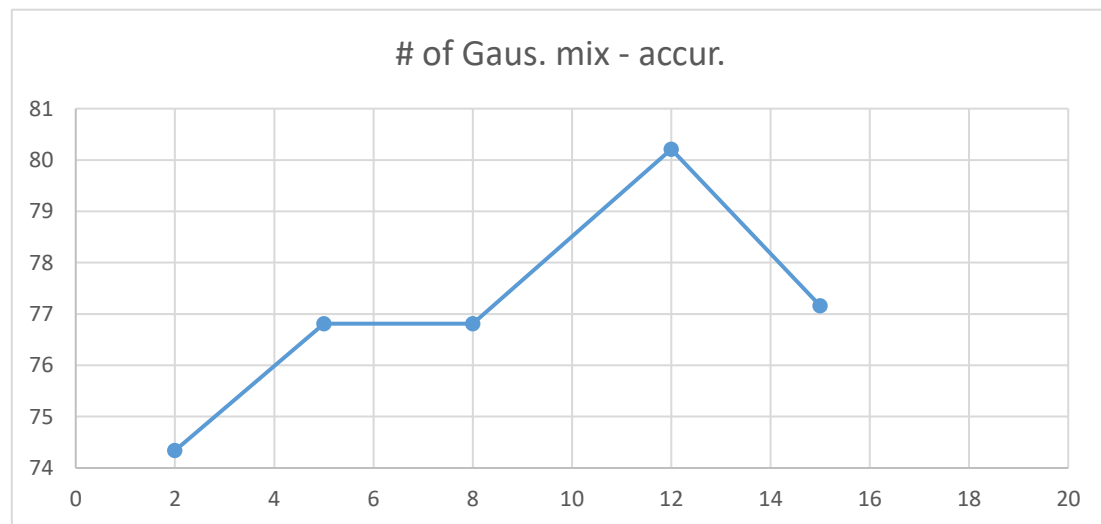
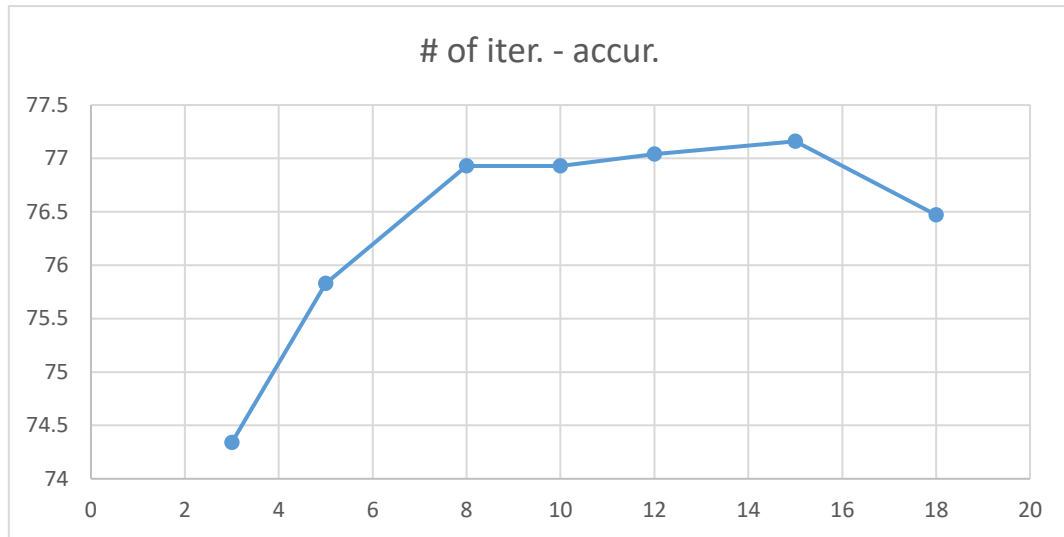


## Digital Speech Processing HW#2

### Experiment: How Changes Effect Performance

Gaussian Mixtures		States		Iterations	
#	Accur.	#	Accur.	#	Accur.
2	74.34	5	74.34	3	74.34
5	76.81	8	89.64	5	75.83
8	76.81	10	93.67	8	76.93
12	80.21	12	95.22	10	76.93
15	77.16	15	95.91	12	77.04
		18	95.11	15	77.16
				18	76.47





### Combining the Best Solutions of Each Parameter

# of Gaussian mixtures: 12  
# of states: 15  
# of iterations: 15

⇒ **Result Accuracy: 96.66**