The EM Algorithm for Gaussian Mixtures – Results

Random Initialization

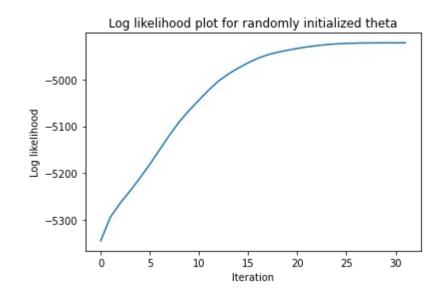
μ_1	Σ_1		
-0.10	0.87	0.10	
-0.06	0.10	0.10	

μ_2	Σ_2	
-2.85	2.69	-2.46
6.92	-2.46	4.89

μ_3	Σ_3	
4.94	1.82	0.86
-0.03	0.86	1.89

μ_4	Σ_4	
-2.10	3.69	-1.10
-5.12	-1.10	4.07

α			
1 2 3 4			
0.16	0.24	0.10	0.50



KMeans Initialization

μ_1	Σ_1		
-2.86	2.68	-2.44	
6.93	-2.44	4.84	

μ_2	Σ	· 2
-2.10	3.69	-1.11
-5.13	-1.11	4.05

μ_3	Σ_3		
4.93	1.84	0.87	
-0.03	0.87	1.90	

μ_4	Σ_4	
-0.10	0.87	0.10
-0.06	0.10	1.13

α			
1 2 3 4			
0.24	0.49	0.10	0.16

