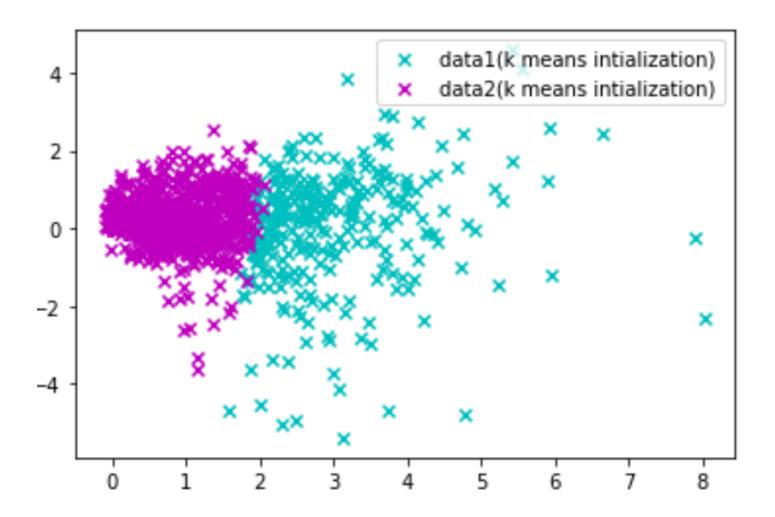
Ques 4

Testing:

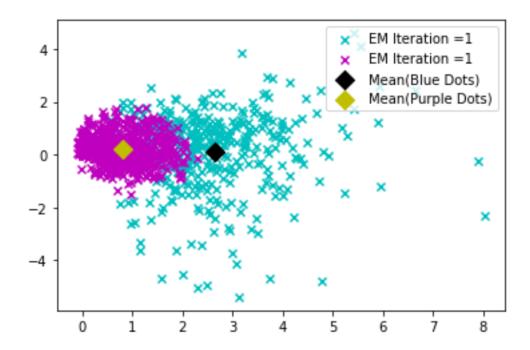
- 1. For Testing we take a particular review(Say labled 1 review)
- 2. We find the liklihood(posterior probablity) of the test point using parameter of each gaussian fitted(one gaussian is fitted for label 1 review and other fitted for label 0 reviews)
- 3. Then on comparing the two obtained liklihood we assign the test point to the class(label1 or label 0) whose liklihood is greator.
- 4. Classification Accuracy = [(Number of Reviews Correctly Classified)/(Total Number of Reviews)]*100

Initialization (using k means)

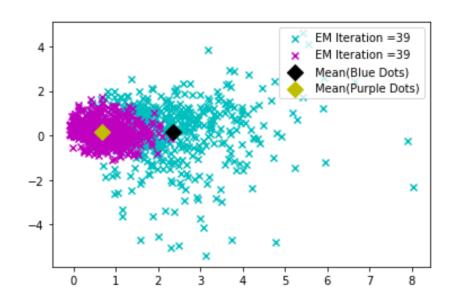


Sample Output(GMM):

EM Iteration = 1



EM Iteration = 39



Log likelihood vs iteration graph

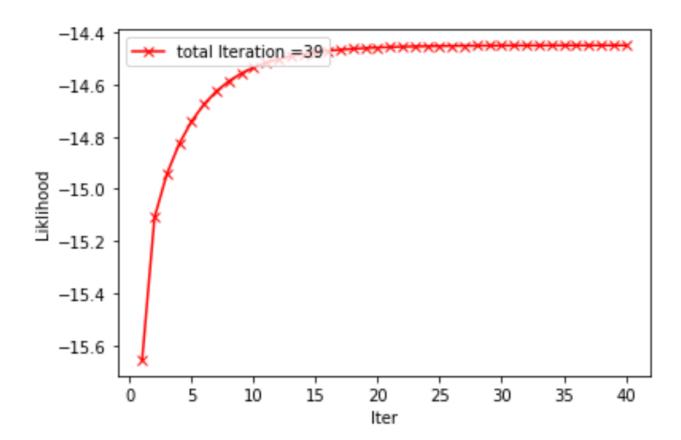


Table accuracy:

	acurracy
Gmm	51.8%