All formulas..just copy paste in place

1. Pg 12

Consider log likelihood

ML does not work here as there is no closed form solution. Parameters can be calculated using Expectation Maximization(EM) technique. Steps involved are:

1. From Bayes rule
2. **E step**. Evaluate the responsibilities using the current parameter values
3. **E step**. Evaluate the responsibilities using the current parameter values
4. Evaluate log likelihood

If there is no convergence, return to step 2.