Mixing Distribution | **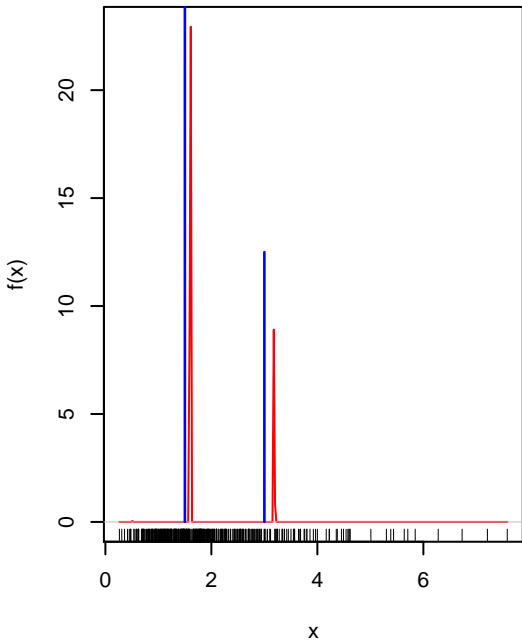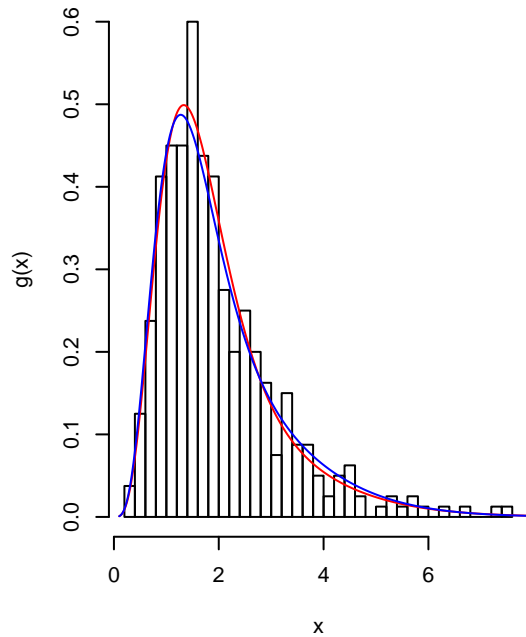Mixture Distribution** | **Bayes Rule**