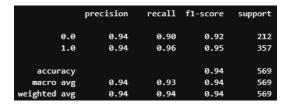
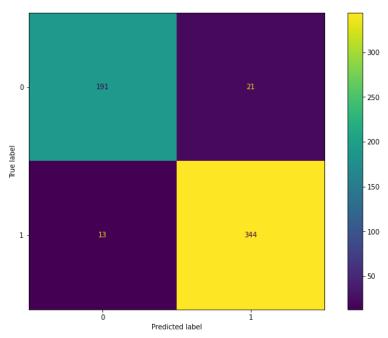
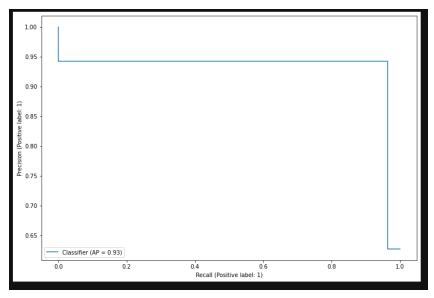
Homework 3

GitHub: https://github.com/pballou/ECGR 4105/tree/master/Homework/homework 3

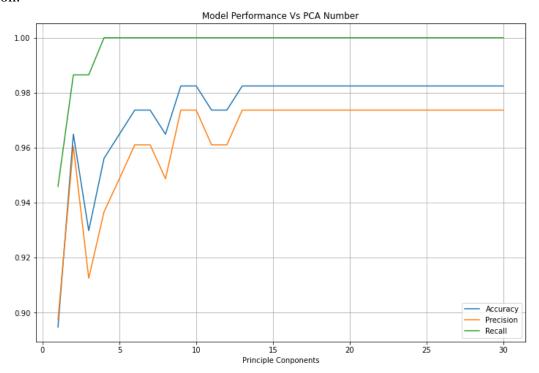
1. Naïve Bayes classifier on cancer dataset. Pretty accurate overall, especially for a model only based on probabilities.



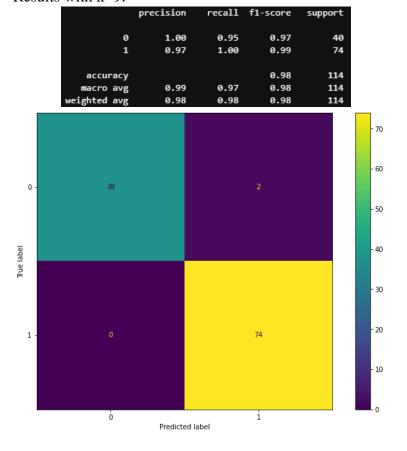




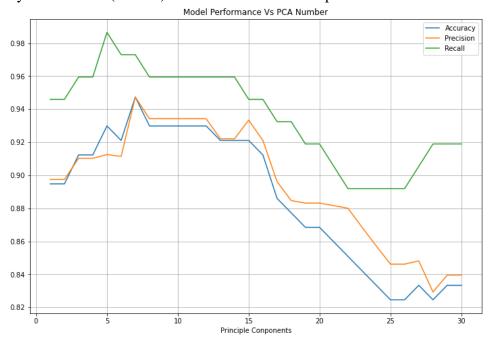
2. Logistic regression with PCA (k=1:30) on cancer dataset. The optimal k is 9 in this situation.



Results with k=9:



3. Naïve Bayes with PCA (k=1:30) on cancer dataset. The optimal k is 7 in this situation.



Results with k=7:

