When your assignment is complete, please answer the questions in this text file and upload it to I-Learn.

1. List the first dataset you tried, and then each of the algorithms along with the accuracy that each achieved. (If you played around with different parameters, you can simply report the best result for that algorithm).

* Cancer dataset
  + KNN: 84.83%
  + Decision Tree: 95.71%
  + Naïve Bayes: 96.19%
  + Bagging: 89.42%
  + Adaboost: 86.19%
  + Random Forrest: 89.93%

2. List the second dataset you tried, and then each of the algorithms along with the accuracy that each achieved. (If you played around with different parameters, you can simply report the best result for that algorithm).

* Diabetes
  + KNN: 41.15%
  + Decision Tree: 0.75%
  + Naïve Bayes: 0.00%
  + Bagging: 37.50%
  + Adaboost: 39.88%
  + Random Forrest: 38.82%

3. List the third dataset you tried, and then each of the algorithms along with the accuracy that each achieved. (If you played around with different parameters, you can simply report the best result for that algorithm).

* Iris
  + KNN: 96.32%
  + Decision Tree: 95.56%
  + Naïve Bayes: 93.33%
  + Bagging: 96.67%
  + Adaboost: 92.23%
  + Random Forrest: 96.77%

4. Please describe anything else you learned or did for this assignment (i.e., above and beyond requirements)

* I learned a lot about each of these classifiers and feel more confident coding and understanding them. I did go above and beyond by making functions for each classifier and coding a loop that iterated through each classifier to find the best cross validation score and/or accuracy.

5. Please select the category you feel best describes your assignment:

A - Some attempt was made

B - Developing, but significantly deficient

C - Slightly deficient, but still mostly adequate

D - Meets requirements

E - Shows creativity and excels above and beyond requirements

6. Provide a brief justification (1-2 sentences) for selecting that category.

* I spent a lot of time going through this assignment to learn what was happening. I also created loops to iterate through the classifiers to find the best score/accuracy.