CIS 635 Data Mining Name \_\_Dhynasah Cakir\_\_\_

Homework 8

Hand in sheet

Write in or copy and paste the answers for the following:

### Part 1

best alg explanation

1. example1 \_\_decision tree\_\_\_ \_\_It has an accuracy of 91% and a recall of 89% even though precision is 76% it is still pretty high compared to the other models
2. example2 \_naive Bayes \_even though neither the accuracy, recall or precision go over 90% all of them are at least 80% or higher. In the other models the precision is less than 80%\_
3. example4 \_\_decision tree\_\_\_\_ \_\_is definitely the best fit here. 88.5% is the precision and tahts the lowest percentage. Accuracy is at 89% and recall is 90%
4. example5 \_\_decision tree\_\_\_\_ \_\_the stats are all over 90%. Accuracy is 94%, recall is 94% and precision is 95%

### Part 2

1. explanation \_\_\_\_\_\_\_\_\_I wasn’t able to get my functions to work with the large data set but the accuracy for a decision tree after adding 20 variables is 80.1%\_\_
2. attach table or line plot