Miniproject 2
BMI 555 IEE 520
Fall 2018
Due October 23, 2018

Please submit through the digital drop box. After you upload you must also submit.

1. Use the pima_indians_diabetes data for this question.

   Build a decision tree classifier for this data. Modify parameters values to select your "best" model. Your model should balance complexity and accuracy. There can be more than one "best" model, but only provide one.

   a) Provide a graphical display of your final tree
   b) Identify the model parameters for your selected model
   b) Provide an accuracy evaluation of your model and describe clearly the method you used to evaluate the accuracy.

2. Use the pima_indians_diabetes data for this question.
   Re-answer the questions in exercise 1 with a support vector machine model.

3. Use the dataset in python
   from sklearn import datasets
   mydata=datasets.load_diabetes()

This data set has a numerical response. You can find details on the Web. Re-answer the questions in exercise 1 with a regression tree model.