Jon Organ

CS677

Homework 10, Decision Tree

**Question 1:**

Decision tree year 2 score: 0.76

**Question 2:**

Decision tree year 2 confusion matrix:

Predicted Green Red

Actual

Green 19 10

Red 2 19

**Question 3:**

Decision tree year 2 true positive rate: 65.52%

Decision tree year 2 true negative rate: 90.48%

**Question 4:**

For year 2 of the Chipotle stock, buy-and-hold ($135.18) was worse than the decision tree classifier strategy ($319.79)

For year 2 of the S&P-500 stock, buy-and-hold ($90.61) was worse than the decision tree classifier strategy ($166.91)