Jon Organ

CS677

Homework 10, Adaboost

**Question 1:**

Saving Q1 graph...

A graph with lines and numbers

Description automatically generated

**Question 2:**

For learning rate 0.5...

Decision tree n\* = 10

Naive bayesian n\* = 2

Logistic regression n\* = 1

**Question 3:**

For learning rate 0.5...

Decision tree accuracy = 0.76

Naive bayesian accuracy = 0.78

Logistic regression accuracy = 0.42

**Question 4:**

The naive bayesian classifier is the strongest base estimator for my data

**Question 5:**

For year 2 of the Chipotle stock, Adaboost ($328.32) was more effective than buy-and-hold ($135.18)

For year 2 of the S&P-500 stock, Adaboost ($159.61) was more effective than buy-and-hold ($90.61)