

For assignment 3, use the data you have prepared in assignment 2 and construct a decision tree (or decision tree ensemble) or neural network model that has better test ROC than your logistic regression model in assignment 2.

Extra credit will be awarded to the group with the highest test AUC who also used a correct modeling approach.

Create a document that briefly describes and justifies the steps in your modeling process. This document must contain screenshots from software that indicate the number of observations in your test set and your test AUC. **PLEASE INDICATE ALL GROUP MEMBERS NAMES IN THIS DOCUMENT.** Place this document in a folder with any code or EM diagrams. Zip this folder and turn it in to blackboard. Assignment 3 is due April 5th at 11:59 PM.