

## Tutorial 7

### 1. (Naive Bayes + Decision Trees, ROC, AUC)

Consider the data set `Titanic.csv` again.

- (a) Fit a decision tree on all the three feature variables, called M2, which uses `minsplit = 1` and information gain.
- (b) Plot the tree M2.
- (c) Plot the ROC curves and derive the AUC values for the two classifiers (naive Bayes from on-site question and decision tree). Which classifier has larger AUC value?