Tutorial 9

(Logistic Regression)

Consider data set `Titanic.csv` again which was mentioned in Tutorial 8.

1. Perform logistic regression using all the feature variables to predict the survival status, called model M2.

2. Write down the fitted equation of model M2.

3. Interpret the coefficient of the variable 'Sex' in M2.

4. Interpret the coefficient of the variable 'Age' in M2.

5. Observe and compare the ROC curves and AUC for the two classifiers: naive Bayes (from Tutorial 8) and logistic regression.