Problems – Regression and Logistic Regression

Regression

1. (File: **car\_sales.csv**) Make a regression model to predict **mpg** using **price, engine\_s**, **horsepower** and **curb\_wgt** as predictors.

Predict mpg if price=30, engine\_s=3, horsepower=200, curb\_wgt=3.

1. (File: **Enquirer.csv**) Make a regression model to predict the pass percentage (**pass**) using the other numeric variables as predictors.

Predict the pass percentage if adc=2, freelunch=3, medincome=30000

1. (File: **Credit2.csv**) Make a regression model to predict the credit limit (variable: **Limit**) knowing **Income**, **Rating**, **Cards**, **Age** and **Balance**.

Predict the credit limit if income=15, Rating=300, Cards=2, Age=40 and Balance=600.

Logistic Regression

1. (File: **Bank.csv**) Predict the variable **Direct** using **Balance** as a predictor.

Predict Direct if Balance=3

1. (File: **Titanic.cs**v) Predict survival (variable: **Survived**) knowing **Class**, **Sex** and **Age**.

Predict the probability of survival if Class=1st , Sex=Male and Age=Adult