# Logistic Regression in R

# (defaulting on a loan depending on student status, bank balance and income)

This exercise uses file R data set ISLR::Default.

## Tasks to be performed:

1. Read the data into R.
2. Form a H0.
3. Form a H1.
4. Explore the dataset and change data types as necessary.
5. Use the generalised linear model function in R to build a logistic regression model.
6. Summarise your model and comment on the results. Are all independent variables statistically significant? If not, what should you do?
7. Use the logistic model for classification: estimate the classes from probabilities and threshold.
8. Show what is the accuracy of the classification.