Exercise 5: Multiple Predictors

Image source: https://cmci.colorado.edu/classes/INFO-4604/fa17/

Try in R - Multiple Predictors

```r
# Logistic Regression with >1 PREDICTORS (including qualitative predictors)

    # Fitting the model to the training data
    glm.fit <- glm(default~balance + student + income, family = "binomial", data = Default)
    summary(glm.fit)

    # Predicting probabilities and classes for a balance of 1000 and 2000 Dollars:
    new.data <- data.frame(student = c("No", "No"), balance= c(1000, 2000), income=c(1000, 2000)) # student and income are arbitrarily set, since they will not be used by predict
    predict(glm.fit, newdata = new.data, type = "response")
```

1. Try the code for yourself.
2. Interpret the results.