Homework 1 Problem 1

CS 498, Spring 2018, Simon Ji

```
library(readr)
data  = read.csv("pima-indians-diabetes.data.csv", header = FALSE)
all_x = data[,-c(9)]
all_y = data[,9]
```

Part A

Build a simple naive Bayes classifier to classify this data set. We will use 20% of the data for evaluation and the other 80% for training. There are a total of 768 data-points.

You should use a normal distribution to model each of the class-conditional distributions. You should write this classifier yourself (it's quite straight-forward).