1. For dataset “Doctor.xlsx”:
   * Construct logit and probit regression model with “**Y = result of a pregnancy**” as a dependent variable, and 5 independent variables which are the characteristics of the patients.
   * Verify if the coefficients of both binary regression models are significant using Wald tests.
   * Find “optimalCutoff” for both models.
   * Construct the confusion matrices for both models with default and optimal “cutoffs”.
   * Plot the ROC curve for the same dataset (using the predicted and observed variables).
2. For dataset “binary regression.xls”:
   * The data are the following: the first column is the **number of hours** the student **slept** before exam. The second column is the **number of hours** the student **studied** before exam. The third column is the **exam** which is **passed** (1) **or failed**. Construct logit and probit regression model with “Y = result of exam” as a dependent variable, and 2 independent variables (columns 1, 2).
   * Verify if the coefficients of both binary regression models are significant using Wald tests.
   * Find “optimalCutoff” for both models.
   * Construct the confusion matrices for both models with default and optimal “cutoffs”.
   * Plot the ROC curve for the same dataset (using the predicted and observed variables).