**Dataset**: Ten Year Chronic Disease

**Dependent Variable**: Disease (let 1 = yes and 0 = no)

**Objective**: Build a predictive model to predict the likelihood of developing a chronic disease in 10 years. Due to the need to target people that are likely to develop a chronic disease, identify about 85 percent of them (*Hint: Think about how cutoffs control the Confusion Matrix*.)

Write-up your results using the following as a guide, and include page numbers (except for title page):

1. TITLE PAGE
   1. Name
   2. Project Name
   3. Date
2. EXECUTIVE SUMMARY
   1. Provide a brief overview of the scope of the project and findings. One to two paragraphs should suffice.
3. OBJECTIVE
   1. Discuss the project’s objective.
4. DATASET DETAILS
   1. Provide details of the dataset
      1. # records
      2. # of variables
      3. Variable names
      4. Median values of numeric variables
      5. Frequency distribution of non-numeric variables
5. METHODOLOGY
6. FINAL MODEL
   1. List the logistic regression equation.
   2. Interpret:
      1. Any interesting odds ratios.
      2. Classification Matrix.
7. CONCLUSIONS
   1. Summarize your modeling results. Also discuss your level of satisfaction with the model.