Introduction to Machine Learning
CSCE 478/878

Programming Assignment 3

Fall 2020
Naïve Bayes Classifier and Logistic Regression

Naïve Bayes
Part A (Model Code): 478(30pts) & 878(35pts)
Part B (Exploratory Data Analysis): 478 & 878(5pts)
Part C (Feature Extraction): 478 & 878(15pts)
Part D (Model Evaluation): 478(10 pts) & 878(20pts)
Extra credit (BONUS) tasks for both 478 & 878: 15 pts

Logistic Regression
Part A (Model Code): 478(45pts) & 878(40pts)
Part B (Exploratory Data Analysis): 478 & 878(10pts)
Part C (Model Evaluation): 478(15pts) & 878(25pts)
Extra credit (BONUS) tasks for both 478 & 878: 20pts

Total: 478 (130pts) & 878 (150pts)

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Last Name 1: Karki

First Name 1: Bibek

NUID 1: 78352452

Last Name 2: Zhao

First Name 2: Biquan

NUID 2: 67377491

Last Name 3: Zinsmaster

First Name 3: Tyler

NUID 3: 94994503

Obtained Score:

Contributions

All members in our group involved the entire project including Part A model coding, Part B exploratory data analysis, Part C feature extraction and Part D model evaluation, as well as the extra credit tasks in this assignment of Naïve Bayes Classifier and Logistic Regression. Each member has different focus and contributions in the project.

Team member #1: Bibek Karki (40%). He contributed to the main model coding and model evaluation and debugging. He did the hardest work and also shared his knowledge with other teammates to work together. His hard work is the basis of the completion of this assignment.

Team member #2: Biquan Zhao (30%). He contributed to assist the model coding and debugging. He also worked on data analysis.

Team member #3: Tyler Zinsmaster (30%). He contributed to the organization and debugging. His hard work made our functions work well and the questions in the assignment well organized.