ENGR421 – Machine Learning Fall2020

Homework 1: Multivariate Parametric Classification

Arjin Renas Akgül

0060309

For this project, I used lab01, lab04 and lecture 5 resources. Generally lecture 5 was efficient for me to do the tasks in the homework. For second, fourth and fifth questions, I get help from fourth lab codes, and for the third question I used first lab codes. For confusion matrix, I need to define a gc(x) function. I have implemented a runnable gc(x) function. However, I could not find a way to use it in fourth and fifth questions. Thus, I used the softmax function that is given in the fourth lab codes. In the fifth question, I plot a graph, but it is not totally true because it gives boundaries linear instead of curves.