

## **DTSC670: Foundations of Machine Learning Models**

### **Assignment 6**

#### **Directions**

Complete the assignment6.ipynb file; further directions are located in that file.

Note that this assignment will be automatically graded through CodeGrade and you will have unlimited submission attempts. When submitting to CodeGrade, your notebook should be named assignment6.ipynb.

It is very important that all written functions have the function parameters in the same order as given to you in the respective instructions.

Do not use the built-in Scikit-Learn functions when creating your functions from scratch. Instead, you may use those functions after to verify your calculations. Your assignments will be checked and points will be manually taken off if you use Scikit-Learn functions in your created functions.

**Important: Do not round any of your outputs or CodeGrade will count them as incorrect**

Below is a simple rubric indicating how you will be graded:

#### **Correct Classification Functions using Assignment Data 70%**

Do your functions output the correct values using the data used in the assignment?

#### **Correct Classification Functions using New Data 30%**

Do your functions output the correct values using new data that I supply during the auto grading process?