

CS4412 Class Assignment #1

Due: 03/12/2020 at 11:59 pm

Instructions:

1. Please include your name, class and assignment number in the comments at the start of the program.
2. Submit your assignment as ZIP file through D2L using the appropriate assignment link.
3. The assignment is done during the class on dates 3/5, 3/10, 3/12.

Objective:

The goal of Class Assignment #1 is to reinforce the concept of classification and its implementation.

Assignment Problems:

1. Implement Decision Tree, Naïve Bayes, Neural Network and Support Vector Machines classification in Python using the dataset
<https://archive.ics.uci.edu/ml/datasets/ecoli> (100 points)
 - a) Generate confusion matrix for the above mentioned classification algorithms.
 - b) Generate bar-charts in python comparing the accuracy, precision and recall in the above mentioned classification algorithms.