Data Science Lab (CS 356)

Assignment 6

Date: 14.02.2022   **Due Date: 05.03.2022**

Instructions to submit the lab assignment

a. *Add proper comment lines for each important step of the code.*
b. *All the codes should be in same file.*
c. *Name each file as rollnumber_assignmentnumber.pdf.*
d. *Upload the program file in google classroom.*

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1. Write a python program to implement Logistic Regression for multiclass classification from scratch using the following dataset.
   Link: https://www.kaggle.com/uciml/iris

2. Write a python program to implement Support Vector Machines (SVM) for Linear and Polynomial kernel from scratch using the following dataset.
   Link:
   https://www.kaggle.com/uciml/iris [Iris dataset has three classes, remove any one of the classes and use the dataset]