Hands-on Assignment 1

Due Date: See Web

In the accompanying zip file, there is a program that is designed to learn a softmax model for the Iris dataset (included). There is a function, compute\_softmax\_loss, that computes the softmax loss and the gradient. It is left out. In this assignment, you are asked to write the function.

Submissions are to be made via Canvas. The detailed instructions are given below:

Add the following headers at the beginning of your submission code:

"""Student Name:

Student ID:

Assignment #:

Student Email:

Course Name:

"""

If your variable / function name is not self-explanatory, please add a comment

    i.e. zn1 = np.argmax(score, axis=1)   #zn1 is my network output prediction

Submission format: A single zip file with your .py file(s). No need to include the dataset. The zip file should be named Student\_ID\_Assign#.zip, i.e. 1234567\_Assign1.zip

    For assignment1, we will only run programming-assignment1.py for grading

    Include a README.md file for any general comment and / or online reference used

Make sure to use Python3 instead of Python2

Refrain from using additional libraries other than the provided ones.

If you need the help or made mistakes on submission, please email TAs directly

Similarity scores will not be computed for this assignment.