COMP 5212

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 is to write the function.

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

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

   """
   Student Name:
   Student ID:
   Assignment #:
   Student Email:
   Course Name:
   """

2. 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

3. 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 be run programming-assignment1.py for grading
   Include a README.md file for any general comment and / or online reference used

4. Make sure to **use Python3 instead of Python2**

5. Refrain from using additional libraries other than the predefined ones.

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

To minimize the similarity score, submit only the code segments that you write.