**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. If your variable / function name is not self-explanatory, please add a comment
   1. zn1 = np.argmax(score, axis=1)   #zn1 is my network output prediction

1. Make sure to use Python3 instead of Python2

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

1. Plagiarism is not allowed

1. If you need the help or made mistakes on submission, please email TA or email TA cc Prof. Zhang.

1. Submission format should be docx in order to compute similarity score. Thus, copy and paste the code segment you have written to docx file, and submit the docx file to canvas. Be sure to include proper tabs/spaces since python is tab-sensitive programming language. Be careful of the auto-correcting function in Word since it could bring error when testing your code. Example is given below.

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

Example of python and docx File



