EE5934 DEEP LEARNING Assignment #1 (100 MARKS)

Introduction

This assignment follows from the earlier HW1 exercise which would have familiarized you with the initial stages of a typical image classification pipeline and provided an opportunity to practice writing code with the NumPy API for Python.

Please ensure that you have installed Anaconda Python (version 3.7) in your computer as well as the Jupyter Notebook

Getting ready

Download Assignment1.zip from LumiNUS and unzip it to the same folder homework you used for HW1 before. The folder structure should be as follows:

```
homework
+-- data
+-- HW1
+-- Assignment1
   +-- Assignment1.ipynb
   +-- knn.py
   +-- Assignment1.pdf
```

To begin the assignment, start the Jupyter Notebook server and proceed to complete Assignment1/Assignment1.ipynb according to the instructions provided.

Submitting your completed Assignment#1 (Deadline: 23:59 Feb. 18(Tue.))

1. Export your notebook file Assignment1.ipynb to an html page (Assignment1.html) by selecting the following sequence in the menu bar of Jupyter Notebook: File → Download as → HTML(.html). Then include the html page in the Assignment1 folder.

Important: Please make sure that the **submitted notebooks have been run** and the **cell outputs are visible**.

2. Compress the Assignment1 folder into a zip file (**NOT** rar) and rename it as "YourStudentNumber_ Assignment1.zip" before uploading it to LumiNUS.

NOTE:

1. Strictly follow the above instructions when submitting your completed assignment.
2. Do **NOT upload any data file** and do **NOT include your name in the filename**.
3. Do **NOT share your solution code** with others. You should submit your own work/code.
4. There will be **penalties** for cheating and late submissions.