IE4424 Machine Learning Design and Application
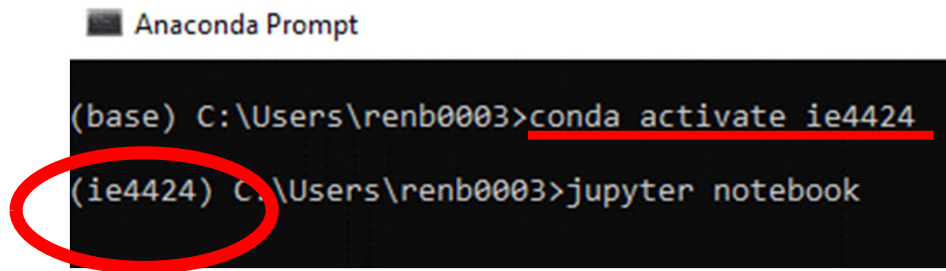
FAQ

Dr Yap Kim Hui

Email: ekhyap@ntu.edu.sg
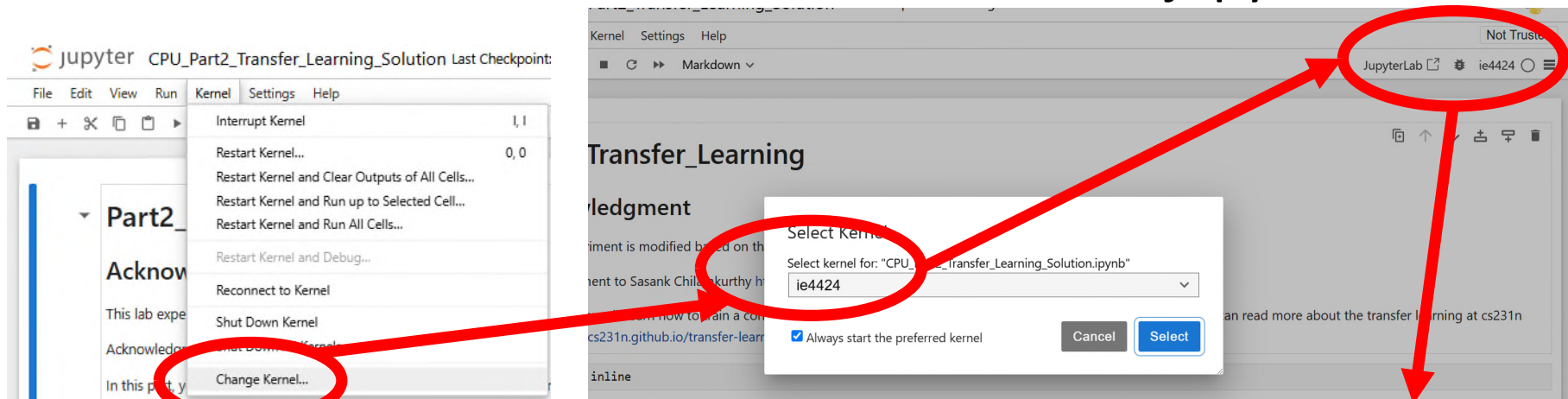
- What if you encounter the following error?

  ModuleNotFoundError: No module named 'xxx'

1. Check if the conda environment is activated in the anaconda prompt: the command line should have a '(ie4424)' prefix
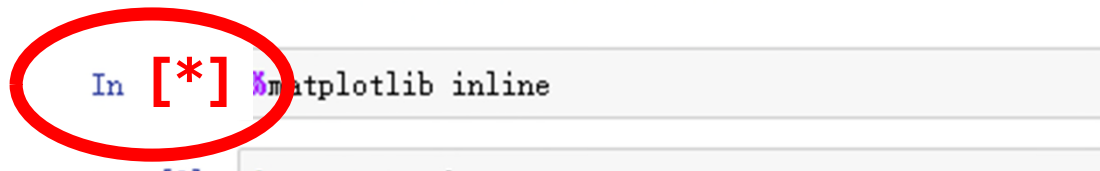

2. Check if the environment is activated in the jupyter notebook:
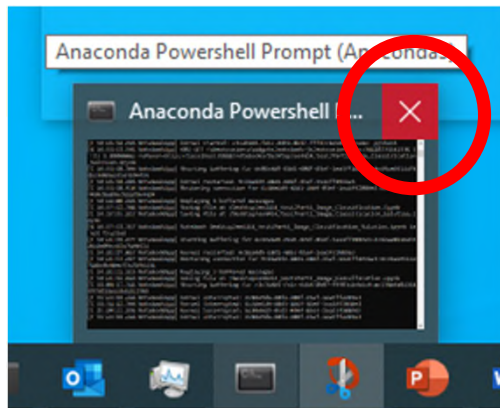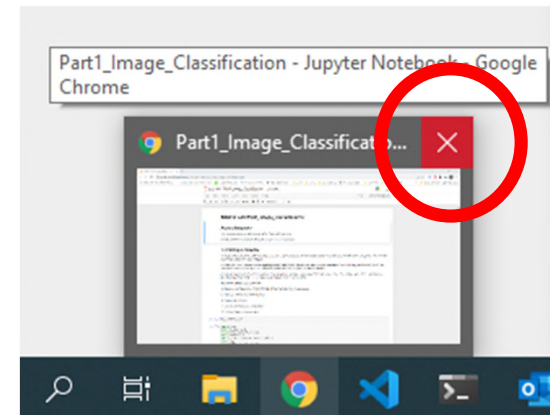

Kernel name should be "ie4424"

- What if the code is stuck at the first or second cell?

1. This issue is mainly due to the old PCs in the lab.
2. Wait for a while (may take up a few minutes).
3. If the problem persists, close all opening programs in the taskbar (including web browsers and the jupyter command prompt). Then restart the jupyter command prompt and try again.
4. If the problem persists, restart the computer.

Close and restart

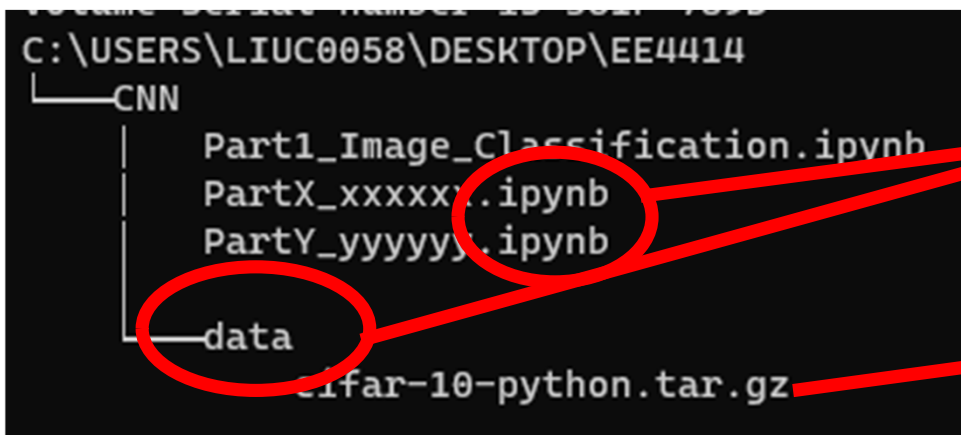- What if the code is stuck at the first cell of Section 1.1?

1.1 Loading and normalizing CIFAR10

Using `torchvision`, it is easy to load CIFAR10.

```
In [*] nsform = transforms.Compose(
        [transforms.ToTensor(),
         transforms.Normalize((0.5, 0.5, 0.5), (0.5,
```

1. Check if you have put the dataset file (cifar-10-python.tar.gz) in the correct place.

2. cifar-10-python.tar.gz must be put into a folder with name "data". This folder must be placed at the same folder as the .ipynb files.

Tips: hit Ctrl+C to interrupt the running program.

```
C:\USERS\LIUC0058\DESKTOP\EE4414
    └──CNN
        │   Part1_Image_Classification.ipynb
        │   PartX_xxxxxx.ipynb
        │   PartY_yyyyy.ipynb
        │
        └──data
                cifar-10-python.tar.gz
```

.ipynb files and "data" folder should be under the same directory!

Put the ".tar.gz" file under "data"

4

- What if you receive error message on the following line?

  images, labels = dataiter.next()

Try to replace the line with

images, labels = dataiter.next() # Use this in pytorch 1.12

images, labels = next(dataiter) # Use this in pytorch 1.13