

# Computer Convergence Application

## Homework 2

**Due Date : 5/12 23:59**

Late penalty: 10%p deduction on each day passed

### How to submit:

- Mail to [mmsori@snu.ac.kr](mailto:mmsori@snu.ac.kr)
- Subject should begin with [CCA-HW2]

### What to submit:

- Runnable python code either in Colab address, .ipynb file, or .py file
  - Unless you change the original file, you don't need to submit code with train.dat
- Report that containing brief explanation about code and result - within 2 pages

### Description :

Given dataset(train.dat) has medical abstracts that describe the current conditions of a patient which are from 5 different conditions: digestive system diseases, cardiovascular diseases, neoplasms, nervous system diseases, and general pathological conditions. 분량

In this homework, you should build neural network model for classifying the class of each abstract text. Skeleton code is provided by Pytorch. 분량

1. Fill the TODO part of the skeleton code.
2. Show changes of accuracy and loss for both train and test set using text log or plot.

You may change hyperparameters(e.g. learning rate, dropout ratio, etc.) of the model and compare between different results.

You can change other part of the skeleton code if you needed.

**I strongly recommend you to run your code on Colab GPU/TPU environment.**

### How to Use GPU/TPU in Colab notebook :

- Navigate to Edit→Notebook Settings
- select GPU/TPU from the Hardware Accelerator drop-down