CS3120 Final Project: Self-determined Topic

30 points

10 pts from report + 10 pts from code + 10 pts from video presentation

1. Report Requirement (answer the following questions) 10pts:

1. What is the project about? Or what problems you are going to solve?
2. Which part is your own work/idea, which part is an implementation of other people's idea, **which part is using some existing code/examples**? *List and cite all the reference resources (including books, papers, articles, webpages, codes and examples) at the end of your report. Using existing code or work without citation/statement will be considered as plagiarism and end up with a zero score.*
3. List all the libraries/packages that you used.
4. **Describe the machine learning algorithms or deep learning algorithms that are used in your project** and the reason of selecting such models.
5. Provide necessary discussion or analysis of performance change using different hyperparameters (if there was any).
6. Anything else that is not listed above and represents your design.

The project should NOT be evaluated by the performance (low or high accuracy) of the model. The credits are given based on how well your idea is developed or implemented, how much work is shown to be your own effort and how meaningful your work is.

2. Code Requirement and Evaluation 10pts:

Failure of running or downloading the code will result in a zero score for code evaluation. Code included in the submission should be "ready" to run, with proper relative path and necessary input files submitted or linked (*Github links to your input datasets are acceptable when your dataset is huge.*).
Well organized code with comments in it is the most important factor that determines the grade. (Google Colab Notebook link is the best. *If you are not using Colab notebook, please submit your code in ".py" and make sure it is runnable on different platforms, input data path is relative path.)*
Students are responsible for failure of running/downloading your code. Please include other support files that are helpful in grading in your full submission.

The project should NOT be evaluated by the performance (low or high accuracy) of the model. The credits are given based on how well your idea is developed or implemented, how much work is shown to be your own effort and how meaningful your work is.

3. Presentation Evaluation (Peer review) 10pts:

Each student will give a **4-minutes (or less) long** presentation during final exam scheduled time. Students who did not attend the presentation are considered as giving up this 10pts for presentation.

Watch and evaluate all the students' presentations including your own presentation. Rate each presentation from 0 (poor) – 10 (excellent) using the evaluation sheet given by the instructor.
The average scores each presentation received will be used as the grade of your final project presentation.

Submission:

Part 1 Due 11:59PM May 9th

(1) Report to Canvas "FinalProject_Lastname_Firstname.pdf/doc".
(2) All source code (.py files or link of Google Colab notebook) to Canvas
(3) A compressed file of input dataset (or a GitHub link to the dataset) and output files (if any) to Canvas
(4) Other files you think that helps grading (e.g. readme.txt) to Canvas

Part 2 Presentation In Classroom AES210 11:00AM May 10th

Present, watch and evaluate all the presentations that day.