**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.*

1. List all the libraries/packages that you used.
2. Describe the machine learning algorithms or deep learning algorithms that are used in your project and the reason of selecting such models.
3. Provide necessary discussion or analysis of performance change using different hyperparameters (if there was any).
4. Anything that you think is helpful for grading.

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. (*Jupyter notebook users need to submit your code in “.py” and make sure it is runnable on different platforms.)*

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 needs to record a **4-minutes (or less) long** presentation video, upload the video [**Here**](https://msudenver-my.sharepoint.com/:f:/g/personal/fjiang_msudenver_edu/Eib5U0tv1iZDrcie5Z4pNLUBMRo9ZvL2IYq69ijbD2zeug?e=ahSN5c), watch and evaluate all the students’ presentations.

The average score will be used as the final presentation grade. Students who did not submit the video presentation to this link before deadline are considered as giving up this 10pts for presentation.

***Format: Lastname\_Firstname.mp4***

***About the content of your video: You can record your face or your screen or both. Make sure clearly explain what you did (the topic), what model you used, performance of your model and which part is your own work.***

**Link to upload your presentation video.** [**Here**](https://msudenver-my.sharepoint.com/:f:/g/personal/fjiang_msudenver_edu/Eib5U0tv1iZDrcie5Z4pNLUBMRo9ZvL2IYq69ijbD2zeug?e=ahSN5c)

**Link to evaluate all the presentations.** [**Here**](https://forms.office.com/Pages/ResponsePage.aspx?id=pJwwAzMX-UqnPPGMyEEyXEcdE0xRBOFCsviUf05RIAVUOVJFMVMwWFdTTUs3S0dER1VRMkJJS1oxRS4u)

***(Please do NOT evaluate other students’ presentations multiple times. Repeated evaluation scores from the same student will be deleted.)***

**Submission:**

**Part 1**

1. **Report toblackboard**

**“FinalProject\_Lastname\_Firstname.pdf/doc”.**

1. **A compressed file of all source code, .py files toblackboard**
2. **A compressed file or a GitHub link of input dataset and output files (if any) toblackboard**
3. **Other files you think that helps grading (e.g. readme.txt) toblackboard**

**Part 2**

**Your presentation video *Lastname\_Firstname.mp4 to*** [**Here**](https://msudenver-my.sharepoint.com/:f:/g/personal/fjiang_msudenver_edu/Eib5U0tv1iZDrcie5Z4pNLUBMRo9ZvL2IYq69ijbD2zeug?e=ahSN5c)**.**