Final Project

* **Due** Jul 30 by 11:59pm

* **Points** 25

* **Submitting** a file upload

**1**. You can choose whatever you want to do in the final project, as long as it is within the scope of what you have learned this semester.

**2.** One option for most of you is that you can choose to continue to improve your lab4 as your final project. But please note that you need to ensure the results of your final project are greatly improved compared to the previous ones. Only adjusting the hyperparameters cannot meet the requirements.

**3.** The scoring standard of the final project is: project difficulty \* completion status:

           3.1. Since the projects you choose may be different, the instructor will make a subjective judgment on the difficulty of each item, and set the first 60% of the difficulty to a coefficient =1. In other words, the coefficient of less difficult projects is less than 1, and the coefficient of more difficult projects is greater than 1.

          3. 2. The completion of the project will comprehensively consider the following aspects: the correctness and quality of the model output; the proportion of the code written by yourself; the understanding of the referenced code;

4. You can refer to or even use part of the code on other websites. But you need to modify and integrate it, and then let it work for you. You need to remove the unnecessary code as much as possible and add the parts you need. It is not allowed to directly use and submit other people's code.

**Submission requirements (all team members need to submit):**

1. Please submit the **.ipynb file** and make sure the instructor can easily run your code. **Please include the names of all team members in the file name**.
2. Please submit a **pdf version** as well. You can use this website ([https://htmtopdf.herokuapp.com/ipynbviewer/ (Links to an external site.)](https://htmtopdf.herokuapp.com/ipynbviewer/) ) to convert your .ipynb file to pdf.
3. Please share your **dataset**using google drive, dropbox or onedrive and provide the link.
4. Please **record a video** to demo your work. In the video, please clearly introduce your project,**describe the process of modifying the model, adjusting the parameters, the problems encountered, etc.**  **More importantly, for the code of other people you quote, be sure to fully understand and explain the code line by line when recording the video**. And all team members must participate in the recording. If the team members cooperate remotely, they can submit multiple videos.
5. **When you are recording a video, if you just read the comments you wrote in the code, or read according to a script, then you will not be able to prove that the work was done independently by you. Therefore, the lab will be judged as plagiarism.**