NYCU Deep Learning

2024 Summer
曾昱仁

Jul. 2, 2024

Outline

- Basic rules

- LAB requirements

- Paper presentation & final project

Outline

- Basic rules

- LAB requirements

- Paper presentation & final project

Basic rules

- There are 6 labs with demo

- Explain your code and answer some questions

- Plagiarism is prohibited

- If you have any problems, please contact TA with email

  - Use new E3 email system
  - Send emails to all TAs (except the lab questions)
  - For lab questions, ask the TA responsible for the lab
  - Please clarify your problem

Outline

- Basic rules

- LAB requirements

- Paper presentation & final project

LAB Machines

LAB timetable

	LAB1 Back-Propagation	LAB2 CNN	LAB3 CNN	LAB4 VAE	LAB5 MaskGIT	LAB6 Generative Models
Announce	7/9 (Tabc)	7/16 (Tabc)	7/23 (Tabc)	7/30 (Tabc)	8/6 (Tabc)	8/13 (Tabc)
DEMO	7/16 (Tabc)	7/23 (Tabc)	7/30 (Tabc)	TBD	TBD	No demo

LAB requirements

- Upload your work to new E3
    - Contain code (.py) and report (.pdf)
    - Please follow the specifications of each lab
    - Do not send it to TA
    - Do not upload your model weights and dataset unless specified otherwise

LAB requirements

- Lab score

    - Lab report score + Lab demo score
    - The criterion details will be listed in each lab specification

- Delayed report

    - Hand in before 8/29 (score * 0.8)

- Please follow the rules, or you will get punished

- Please do your assignment as early as possible

Outline

- Basic rules

- LAB requirements

- Paper presentation & final project

Group

- Group deadline: 7/21

- Three people in one group, if you have any issue, please contact TA.

- Form: https://forms.gle/Smhf3tVmvFKHLxG96

- You can find your team member in the forum

- Randomly assign group if you hasn't decided it before deadline
  - No adjustment about the random group will be accept

Final project proposal

- Date: 8/1

- Project Proposal: motivation, input & output

  - Make sure that you have the dataset

- Do not plan to naively use the open-source code

- We will announce the google docs/drive link to let you fill in/upload

  - Paper presentation topic (deadline: 7/28)

  - PPT slide (deadline: a day before your proposal)

Final project proposal

- Share the main idea of the paper for paper presentation first, and it's suggested that the topic is related to your final project

- Propose your project idea, which should contain some novelty or extra implementation

- Project proposal should be at most 8 minutes + 2 minutes Q&A

Paper presentation

- Date: 8/20, 8/22

- The papers should be published to the top conference (e.g. CVPR, NIPS, ACL, AAAI, ICCV, ECCV, ICLR etc.) in recent years (< 3 years)

- Paper presentation should be at most 15 minutes + 5 minutes Q&A

- We will announce the google drive link to let you upload

  - PPT slide (deadline: a day before your proposal)

Final Project

- Project Presentation: Details of your project

  ○ Date: 8/29

  ○ Prepare your poster for exhibition (in person, A1 size)

- Project score

  ○ Proposal score + Poster score (affect by workload ratio)

  ○ 60% of base score + 40% of contribution score

Final Project

- Workload Ratio

- **DO NOT BE the freerider!!!**

- Scores will be based on your effort

  - Group 1 take **100** in their final project

Workload Ratio   Student 1 : Student 2 : Student 3 = **1 : 1: 1**

Student 1 : 100 * 0.6 + 100 * 0.4 * 1 = 100

Student 2 : 100 * 0.6 + 100 * 0.4 * 1 = 100

Student 3 : 100 * 0.6 + 100 * 0.4 * 1 = 100

Final Project

- Workload Ratio

- **DO NOT BE the freerider!!!**

- Scores will be based on your effort

  - Group 1 take **100** in their final project

Workload Ratio   Student 1 : Student 2 : Student 3 = **2 : 1: 1**

Student 1 : 100 * 0.6 + 100 * 0.4 * 1 = 100

Student 2 : 100 * 0.6 + 100 * 0.4 * **0.5** = 80

Student 3 : 100 * 0.6 + 100 * 0.4 * **0.5** = 80

Final Project

- Workload Ratio

- **DO NOT BE the freerider!!!**

- Scores will be based on your effort

  - Group 1 take **100** in their final project

Workload Ratio   Student 1 : Student 2 : Student 3 = **4: 2: 1**

Student 1 : 100 * 0.6 + 100 * 0.4 * 1 = 100

Student 2 : 100 * 0.6 + 100 * 0.4 * **0.5** = 80

Student 3 : 100 * 0.6 + 100 * 0.4 * **0.25** = 70

Materials Request

For those who could not be added in the e3, please complete the form