NYCU Deep Learning

2025 Summer
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Outline

- Basic rules

- LAB requirements

- Paper presentation & final project

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Basic rules

- There are 7 labs

- Explain your code and answer some questions

- <mark>Plagiarism is prohibited</mark>

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

  - Use new E3 email system
  - Send emails to all 7 TAs
  - Please clarify your problem

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LAB timetable

	LAB1 Back-Propagation	LAB2 CNN	LAB3 MaskGIT	LAB4 VAE	LAB5 RL Discrete Control	LAB6 Diffusion	LAB7 RL Continuous Control
Announce	7/3 (Rabc)	7/8 (Tabc)	7/15 (Tabc)	7/22 (Tabc)	7/29 (Tabc)	8/5 (Tabc)	8/12 (Tabc)

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.

- For each lab session, please adhere to the specific guidelines provided by the TAs.

只要*spec.*沒講，不要上傳*weight, dataset*，否則有*penalty*

LAB requirements

- For the report

  - **Follow the spec for each lab**

  - You can write the report in either Chinese or English

- For the code

  - **Use pytorch to build your model**

LAB requirements

- Lab score

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

- Delayed report

  - **Hand in before 8/28 (score * 0.7)** **每個*Lab*兩週期限**

- Please follow the rules, or you will get punished

- Please do your assignment as early as possible

  - You may need more than 10 hours to train your model

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Group

- Group deadline: 7/21

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

- Form: https://forms.gle/kHrCimWBg6vqJKY98

- Find your team member in Group Member Finder | E3@NYCU

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

Final project proposal

- Date: 8/7 (567,abc)

- 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: 7/31)

  ○ PPT slide (deadline: 8/6)

proposal -> presentation -> demo

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 7 minutes + 3 minutes Q&A

Paper presentation

- Date: 8/19, 8/21 (567,abc)

- The papers should be published to the top conference (e.g. CVPR, NeurIPS, AAAI, ICCV, ECCV, ICLR, ICML etc.) in **2023 or later**.

- 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: 8/18)

Final Project Demo

- Project Presentation: Details of your project

  - Date: 8/28

  - 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