**About the bonus**

1. How to get a bonus

Students can **volunteer** to write blog articles on selected topics to get a bonus. Blog submissions will be graded by the professor and only qualified ones will be given bonus points. Note that a good blog article should be easy for your friends to understand the basic concept of the topic. The blogs should be written in **Chinese**. The blog topics are related to each lecture and are listed below.

Writing blogs is **NOT** mandatory. It is only for bonus points.

**You can sign up for the topics on a first-come-first-served basis.** See more details below.

1. How to sign up for a bonus

A student can sign up at most **ONCE** to get the bonus and each lecture/topic can have **at most 5** volunteers. There are two types of articles: 1) lecture notes (max 3pts) and 2) surveys on specific topics (max 4pts). We encourage the students to write surveys (although it is more challenging to write a good survey).

For lecture notes, the available lectures are presented below:

|  |  |  |
| --- | --- | --- |
| **Week #** | **Date** | **Lecture Topic** |
| 9 | 4/22 | Sequence Modeling (2) |
| 10 | 4/26 | Advanced Generative Model & Frontier |
| 11 | 5/10 | Learning Structured Data |
| 12 | 5/24 | Self-Supervised Learning, Meta-Learning, AutoML |
| 13 | 5/31 | Security, Explainability and Fairness |

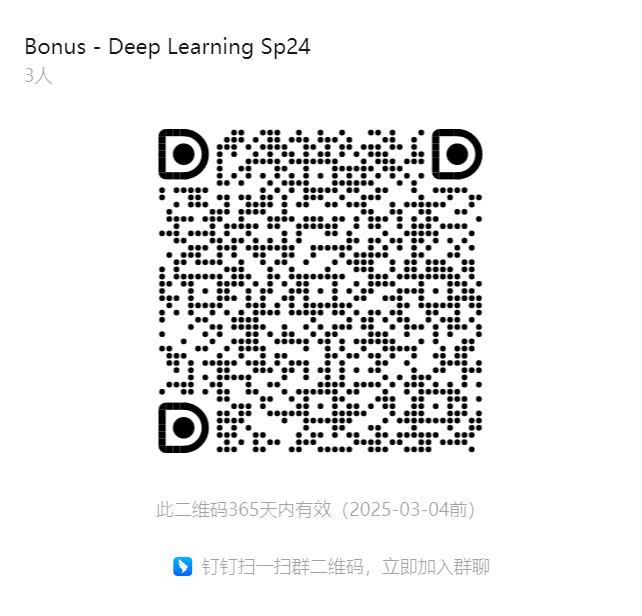
For surveys, the topics are listed below:

1. State Space Models: RWKV, Mamba
2. Acceleration of Diffusion Models: Consistency Models
3. Reinforcement Learning from Human Feedback: InstructGPT, DPO
4. Language-Conditioned Mobile Manipulation: TidyBot
5. LLM Security and Attacks: Jailbreaks
6. LLM Inference Acceleration: PagedAttention, FlashAttention
7. Long Context Language Models: State Space Models, Sparse Attention, Compressed Context

Attached is the sign-up link, which will open tomorrow on 2024/3/30 8:00 pm (UTC+8).

***sign-up link:*** **[Bonus Sign-up Sheet](https://alidocs.dingtalk.com/i/nodes/bva6QBXJwaKvXG2ks41zabp5Wn4qY5Pr?utm_scene=person_space)**

**One can choose his/her volunteer slot based on the "first come first served" principle.** Should two students mutually agree to swap their sign-up slots, BOTH of you need to contact the TAs through 钉钉. For more related discussion, please join the 钉钉*bonus* group with the QR code below.



1. Blog requirements

a) The blogs should be written in **Chinese**. Regarding lecture notes, here [[1](https://zhuanlan.zhihu.com/p/575642401?utm_campaign=shareopn&utm_medium=social&utm_oi=44547983802368&utm_psn=1566825267062063105&utm_source=wechat_timeline&utm_id=0), [2](https://zhuanlan.zhihu.com/p/27555858), [3](https://zhuanlan.zhihu.com/p/36624193)] are some good online blog examples from Prof. 袁洋 and here [[4](https://cloud.tsinghua.edu.cn/f/b553eb16873a4f77ac19/), [5](https://cloud.tsinghua.edu.cn/f/9f803a2edff8457caecc/), [6](https://cloud.tsinghua.edu.cn/f/25307c03d7014d909a62/)] are some good examples from previous semesters. As for surveys, some good examples can be found here [[7](https://colah.github.io/posts/2015-08-Understanding-LSTMs/), [8](https://lilianweng.github.io/posts/2021-03-21-lm-toxicity/)].

b) The blogs should be submitted **before the start of the last lecture (Q&A session)**. Overdue notes will NOT be accepted. We encourage early submission so that we can provide feedback for you to improve your blog.

c) The blogs should be clearly written with enough details and references. For lecture notes, it is encouraged to investigate public resources on the lecture topic (e.g., from Wikipedia, online courses from top universities, popular blogs, etc) in addition to the lecture slides and include them in the blogs. Make sure you cite the proper reference. For surveys on topics (d,e,f,g), you should introduce and categorize important works, presenting a big picture of the research field. For topics (a, b, c), you are required to provide a detailed explanation of the intuition and key methods. DO NOT copy texts from existing literature even if you cite them.

d) More content is NOT necessarily related to higher scores. Your blog shouldn't exceed 4 to 6 pages depending on the format.

e) Writing is important! Find someone to proofread your writing to avoid losing points from grammar errors.

If you still have questions, please contact the TAs in the 钉钉 Group.