
Deep Learning - Project Proposal

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Abstract

The project proposal for the final project should be submitted by the **3rd of April, 2025**. The template should follow the current Latex file (originally from NeurIPS 2023 template), and you should not change the format, e.g., font size, margin size, any other format that affect the length of your report. The length of your proposal should be **1 page**, with an additional 1 page for references. (That means your writings should be at most 1 page.) Also, the proposal should be written in **English**. Please change the title (Deep Learning - Project Proposal) as your own topic/title. Your proposal should contain the following contents. **0)** Title, **1)** Background / Related Work **2)** Problem Definition **3)** Your Idea/Method, **4)** Any other contents/comments that the Instructor/TA should know.

This abstract is only for the instruction of the project proposal. *Please remove the abstract section for your report.*

1 Background/Related Work

This section should contain previous works, i.e., previous approach or related works to the task. The subsections below are just given as examples.

2 Problem Definition

Problem definition should include the motivation of your chosen topic. You can choose any deep learning related topic for your project. However, please write your proposal as precise as possible, as some topics may not be very familiar or well known.

2.1 Conventional Methods

Conventional methods dealt the stated problem by @@@.

2.2 State-of-the-art Methods

The state-of-the-art methods in this task are @@@.

3 Proposed Idea/Method

This section should contain your own method. As this is the "proposal", you don't have to have experimental results or settings here.

References

References follow the acknowledgments in the camera-ready paper. Use unnumbered first-level heading for the references. Any choice of citation style is acceptable as long as you are consistent. It is permissible to reduce the font size to `small` (9 point) when listing the references. Note that the Reference section does not count towards the page limit.

- [1] Alexander, J.A. & Mozer, M.C. (1995) Template-based algorithms for connectionist rule extraction. In G. Tesauro, D.S. Touretzky and T.K. Leen (eds.), *Advances in Neural Information Processing Systems 7*, pp. 609–616. Cambridge, MA: MIT Press.
- [2] Bower, J.M. & Beeman, D. (1995) *The Book of GENESIS: Exploring Realistic Neural Models with the GEneral NEural Simulation System*. New York: TELOS/Springer-Verlag.
- [3] Hasselmo, M.E., Schnell, E. & Barkai, E. (1995) Dynamics of learning and recall at excitatory recurrent synapses and cholinergic modulation in rat hippocampal region CA3. *Journal of Neuroscience* **15**(7):5249-5262.