Final report template

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Abstract

You should give a brief introduction of your problem and the solution that you have provided.

1 Introduction

In this part, you should explain the problem or the task you want to solve and demonstrate the challenges that you may face during solving this problem.

2 Related work/Background

A concise explanation of two to three recent works that had proposed an approach to overcome or solve the problem. These works might have found a solution for different settings of this problem.

3 Proposed method

In this section, you must provide a comprehensive explanation of your final improved method to solve this problem. Some of the things that you should describe in the report are the following items:

- Any kind of preprocessing or normalization (if you have used).
- The architecture of the neural network that you have used. It is better to demonstrate this with a graph.

4 Results

At first, you should describe the dataset that you have used, and then, you must describe the experiments that you maid, and its results. It is better to test your proposed method in different settings and with various parameters.

5 Discussion

In this section, you will discuss your proposed method to solve the problem. Some of the questions that you might find useful to answer are:

(LaTeX template borrowed from NeurIPS 2019)

- Why is this specific type of Deep Neural Networks suitable for this task?
- What are the benefits of your proposed model against other approaches?

References

[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.