

Summary

This report follow a milestone paper in meta-learning area, which proposed a fast adaptation algorithm as a meta-learning and applied it on some supervised learning tasks and reinforcement learning tasks. It is an empirical study and investigation on MAML. Besides, a series of investigation including the ablation & hyper-parameter study are well conducted. Some new strategies and suggestions are proposed and tested.

Strength

The report is clearly written and well organized. Three different experiments are designed to examine the performance of MAML. Some strategies are proposed to improve MAML and verified during experiments.

Weakness

Lack of feature visualization

Evaluation

- Clarity and quality of writing: 5
- Technique quality: 4
- Overall rating: 4
- Confidence of assessment: 3