NTU 2025 Fall Applied Deep Learning HW2 Report

NTU CSIE 5431 Applied Deep Learning

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1 Q1: LLM Tuning (10%)

1.1 Describe: (6%)

- How much training data did you use? (2%)
- How did you tune your model? (2%)
- What hyper-parameters did you use? (2%)

1.2 Show your performance: (4%)

- What is the final performance of your model on the public testing set? (2%)
- Plot the learning curve on the public testing set (2%)

2 Q2: LLM Inference Strategies (5%)

2.1 Zero-Shot (1%)

- What is your setting? How did you design your prompt? (1%)

2.2 Few-Shot (In-context Learning) (2%)

- What is your setting? How did you design your prompt? (1%)
- How many in-context examples are utilized? How you select them? (1%)

2.3 Comparison: (1%)

- What's the difference between the results of zero-shot, few-shot, and LoRA? (2%)

3 Q3: Bonus: Try Llama3-Taiwan (8B) (2%)

- Llama-3-8b trained by traditional Chinese data
- Tune this model on the classical chinese data
- Describe your experimental settings and compare the results to those obtained from your original methods