

NTUST, CSIE
Machine Learning (CS5087701), Fall 2025

Homework 4 (5pts)

Due date: Nov. 22

Question 4.1. [5pts] Let us know what you plan to do for your final project, and give us your thoughts on the following items.

- (a) What is the motivation to choose the topic? You may also link the project to your own research. Will the topic remain interesting after ten years?
- (b) What could be considered a good result in your opinion? How to evaluate the result of the project? You may also check some of the state-of-the-art approaches to get a sense of it. Hint: Accuracy and F1-measure may not be the only metrics you may consider to evaluate the performance of your model.
- (c) Do you think the chosen topic is difficult? What could be the potential difficulty of the project? How to deal with the difficulty? You may talk about the computation facility, but you also need to discuss others as well.
- (d) (bonus) Do you have any creative or even crazy ideas for the project?
- (e) (bonus) What could be different with or without using AI tools like ChatGPT or Gemini to help you write this report or do the project?

The suggested content of this report is one to two pages.