

# Midterm Project

(CSE 584; modified 9/16/2024)

**Project description:** Given a set of truncated texts, for each piece of text  $x_i$ , such as “Yesterday I went”, ask different Large Language Models (LLMs) to complete it by appending  $x_j$  = “to Costco and purchased a floor cleaner.” so you get a complete text like “Yesterday I went to Costco and purchased a floor cleaner.” from each LLM. The same  $x_i$  leads to different  $x_j$ . Now please **build a deep learning classifier to figure out, for each input  $(x_i, x_j)$ , which LLM was used for this pair.**

**Participants:** individually or as a group (max 5 members in a group)

**Data & Model:** you decide

**Requirements:** no

**What you need to submit (deadline 11:59pm on 10/06/2024):**

[URL of your github repository](#), including

- **A PDF (with your name or all members in your group) file describes everything**
- **Code files** for the whole project with a clear readme regarding how to reproduce your results.

**Submit through Canvas assignments.**

**Evaluation:**

- **PDF quality (80%):** we score by the following five aspects:
  - Dataset curation (20 points)
  - Classifier and how you train it (i.e., your optimization details) (20 points)
  - The results and how they are presented (20 points)
  - Any in-depth analyses/experiments (20 points)
  - Discussion of Related work (20 points)

**For individual participants, points will be deducted in units of 5; for group participants, points will be deducted in units of  $4+2 \cdot G$  where “G” refers to group size (2,3,4 or 5).**

- **(optional) Presentation (20%):** Each participant (individual or group) can choose whether you want to present or not. You can get a default score **18** (out of max 20) for the presentation part if you choose NOT (such as your scores of other parts can secure an “A” for you). If you choose to present, the evaluation criteria include: slide quality, work

quality, presentation skills, question answering, etc.) For individual presentations, points will be deducted in units of 2; for group presentations, points will be deducted in units of 4.

- If it is a group project, each team member gets the same score.