

Project Proposal

Deadline: October 27th, 11:59 PM EST

Assignment Instructions

Your group (3-4 people) must submit a project proposal of at most **5 single-column pages** detailing your idea for the final project. Please include the member names in your proposal. You should submit the proposal on Gradescope and add group members accordingly. Your proposal must include the following:

- **Introduction:** Introduce the problem your project will address. Clearly explain the motivation behind tackling this problem.
- **Related Work:** Summarize current approaches to the problem. Cite relevant papers, models, or methods closely related to your proposed work.
- **Proposed Approach:** Explain the core idea or model your group plans to develop or apply. This section should describe your proposed method and highlight any novel aspects or modifications you plan to make.
- **Experimental Plan:** Describe the experimental setup you plan to use, including:
 - Dataset(s) you plan to use (and how you will access or collect it, if applicable).
 - Model parameters, training details, or any software tools and libraries you plan to use.

Project Scope

You must ensure that your project is of an appropriate scope and can be completed in time for your final report. You may

- Develop something novel, such as training a model on a new dataset you collect.
- Modify and adapt existing work, such as applying an existing model to a different dataset or adjusting training parameters.

Groups doing the second approach must extend the original work in a meaningful way in order to receive credit.

Grading

Your proposal will be graded using the following rubric (10 points total):

- (3 points) Is the research question well-defined?
- (2 points) Is the project/problem well-motivated?
- (3 points) Are the proposed experiments reasonable? If the experiments require additional resources (such as compute or data), does the proposal describe how they will obtain those resources? If the proposal is for a theory-related project, are there some preliminary findings or a high-level proof sketch?
- (2 points) Is the proposal well-written?

Late day policy. You may use late days for the proposal, but be aware that late days will be deducted from *all* group members. For example, if the proposal is submitted two days after the deadline, by a group containing three members, then 2 late days will be deducted from *each* of the three members. If *any* group member has insufficient late days, then a late penalty will be imposed.