

Rubric for Option D Projects

Proposal (5pt)

You need to have all seven items listed in the project instructions (your minimal viable action plan, your stretch goals, the motivation, related work [literature survey], project objectives, proposed methodologies, available resources, and evaluation plan).

- -1pt for each item that is missing

Report - Final (100pt)

Note: 120 total points are possible, and your final score will be a min over 100 and your points. In this way, you can get a full score even if you miss some points.

Abstract (5pt)

- Distill the message of your paper into a clear and concise abstract. (5pt)

Introduction and Motivation (10pt)

- Provide a clear, high-level description of what problem you want to solve, question you want to answer, or hypothesis you test, how you solve/answer/test it, and why and to whom the problem/question/hypothesis is important (motivate your work). (7pt)
- Mention/summarize the most important related work to help your reader understand its place relative to existing literature; do not assume the reader has read the papers you cite. (3pt)

Technical Idea Section(s) (40pt)

- Content (30pt)
 - Introduce and explain each new idea, with detailed discussion of how each relates to past work. (20pt)
 - Ideas are relevant to your problems/questions/hypotheses and all your problems/questions/hypotheses are addressed. (10pt)
- Organization (10pt)
 - Content is arranged logically and flows smoothly, broken up into multiple sections if necessary. (5pt)

- Discuss significant amount of relevant related work (with proper citations) without breaking the flow. (5pt)
- Subteam efforts: in most cases, your team will share a grade, but sections may be labeled with the names of people responsible for them when it's a strict subset of the team.

Empirical Section(s) (40pt)

- Organization (10pt)
 - Content is arranged logically and flows smoothly, broken up into multiple sections if necessary. (10pt)
 - Use tables and figures as appropriate to communicate information effectively.
- Content (30pt)
 - Include the following items (30pt)
 - Experimental design (including justification for your comparisons and how you're answering your questions) (5pt)
 - Details of datasets, evaluation scores, and baselines you use, with justifications (5pt)
 - Implementation (5pt)
 - Details of how you implemented your experiments (4pt)
 - Link to code is provided (1pt)
 - Results (5pt)
 - Interpretation of the results (10pt)
 - Points deducted if discussion of some results is insufficient or missing.
 - You should structure your reporting in a way that highlights/summarizes the most important findings.
 - If there are negative or inconclusive results, there should be more discussion of how to clear things up.
 - Negative and inconclusive results can be useful, but you should explain why they matter (e.g., "we tried to use method X to do task Y, and it didn't work" is not particularly useful).
 - Be cautious about drawing conclusions. If there are still more experiments required to discern the reason for an observed difference between methods, say so, and consider suggesting what experiments might help clarify the situation, even if you don't have time to do them.
 - Points deducted if not all of your hypotheses are tested by your experiments, or if the connection between experiments and hypotheses is not clear.
- Subteam efforts: in most cases, your team will share a grade, but sections may be labeled with the names of people responsible for them when it's a strict subset of the team.

Limitations (5pt)

- Discuss the limitations of your work. (5pt)

Future Work (5pt)

- Discuss what future research in this direction could focus on. (5pt)

Conclusion (10pt)

- Clearly state what we know after reading your paper. (5pt)

Acknowledgements (2pt)

- Acknowledge anyone who gave you helpful comments or suggestions, including your classmates and people outside the class who met with you about the project. You do not need to acknowledge the course staff. If you received no external help, state that. (2pt)

References (3pt)

- References are well-formatted using standard bibtex, and appear in a references section at the end of your paper. (3pt)
- References are properly cited throughout your paper. (2pt)

Appendix (Optional - 0pt)

- For completeness, you can include supplemental content in an appendix, but don't expect us to read it.
 - The main body of your paper must be complete and meet all rubric requirements without the appendix. For example, you might show a table of results for a main experiment in your paper, and put tables for additional experiments in an appendix. But you should still qualitatively and comprehensively report on all results that you intend to include in your paper, e.g., "a similar trend holds for the other datasets (full results in §A.1)."
 - Appendices must be well-organized: separate appendices (with descriptive titles) should be created for separate topics or datasets, and be properly grouped and numbered (e.g., A.1, A.2, A.3, B.1, B.2...). When you reference an appendix, it should be clear what it's about, and you should link to it (e.g., "detailed prompts can be found in §B.1").
- Up to 10pts deducted if we need to read it to understand your paper.

Other

- Up to 10pts deducted if you have no visualizations (tables, figures) or if they are ineffective. Visualizations should be appropriate and clear, and make it easy to draw conclusions. Any time you include a table or figure, make sure it's referenced in the text.
- Up to 10pts deducted if the terminology and notation used in your paper are not clear. You should explain terminology and notation to the reader when appropriate. A separate section is an option, but is not the only way to approach this.
- Up to 10pts deducted if related work is not properly incorporated into your paper. If there is related work that doesn't fit the flow of the rest of your paper, you could have a separate section, but it's not the only option. In any case, most related work should have been cited in relation to your paper's ideas when relevant, and the relevance should be explained (don't assume your reader is familiar with the work you cite).
- Up to 10pts deducted for excessive spelling, grammar, or formatting errors, or for poor organization of writing. Organize your paper logically, and separate parts into smaller subsections if appropriate.
- -10pt if the report exceeds the page limit (8), excluding references and appendices.