

Spring 21 CSCI 740 Machine Learning

Final Project Deliverables

Due Date for Project Deliverables: 11:30am, May 20, 2021, No late submissions will be accepted.

Final Presentation will be on 11:45am-1:45pm May 20, 2021

Total Points (towards project): 90 points

Deliverables:

1. **Presentation during class time 11:45-1:45pm May 20, 2021.** Each team will make a 13 minute presentation of their project which covers the following (Teams with just one student can make a 8-10 minute presentation). All presentations will allow for 2 minutes of Q&A :
 1. Title and Authors
 2. Problem Description/Goals,
 3. Team Member Roles (spend less than 10 seconds on this)
 4. State-of- the-art/Related Work
 5. Approach,
 6. Experiments/Evaluation
 7. Discussion of results
 8. Lessons Learned about ML topics due to project
 9. Challenges faced and goals not achieved.

I will be using the evaluation criteria shared in the proposal requirements document (milestone 1).

- Correctness and technical quality of the work: Does the technical material make sense? Are the things tried reasonable? Are the proposed algorithms or applications clever and interesting? Do the authors convey novel insight about the problem and/or algorithms?
- Significance of Problem: Did the authors choose an interesting or a "real" problem to work on, or only a small "toy" problem? Is this work likely to be useful and/or have impact?
- Novelty of the approach and results: Is this project applying a common technique to a well-studied problem, or is the problem or method relatively unexplored?

Note: Schedule with presentation timeslots by group is here:

<https://docs.google.com/spreadsheets/d/1YWcuWUQTuoqZ6kqT4fuzs5onWkYbPEU5jU19d9vbfSU/edit#gid=1161131078>

2. **Upload the following to blackboard by 11:30am May 20, 2021**
 - a. Project Report
 - b. Github Link with latest content (project code, READMEs, results etc.)
 - c. Link to 2 minute video or a poster of the project
 - d. Anything else you wish to add.
3. **Contents of project final report:** Build on the contents of your proposal, milestone 2 and presentation to create a final project report. Use double-space. The final report of each team should be atleast 10 pages long. Teams with multiple members should adhere to the following criteria: 7 pages written by **each** group member including images and results.

Sections should include

1. Page 1: Title and Authors
2. Page 2 Checklist of project report, github link, link to 2 minute video or poster
3. Problem Description/Goals,
4. Team Member Roles (spend less than 10 seconds on this)
5. State-of- the-art/Related Work
6. Approach,
7. Experiments/Evaluation
8. Discussion of results
9. Lessons Learned about ML topics due to project
10. Challenges faced and goals that were not achieved.

The level of detail should be such that if someone were to read your report, they should be able to implement your system and replicate the results.

4. Final Project Rubric:

Milestone 3:

1. Project Goal, Scope, Approach, Evaluations, Algorithmic Results, In class final Presentation and Demo/visualization 35 pts
2. Code/github contents 10 pts
3. Project Report 35 pts
4. 2 minute video or poster 10 pts

Previously Submitted;

Proposal: 10 pts