

# CS 549 – Final Project

The final project for this course requires you to:

- Form a team of 3-5 students.
- Decide on a machine learning task.
- Find real-life data relevant to the task.
- Fit baseline models on your data to accomplish your task.
- Modify the baseline model to align more closely with your objective.
- Compare the performance of your baseline model to your modified model.

## Project Deliverables and Grading

Each deliverable must be submitted by a single team member, not by each team member, and will count for every team member’s grade.

- **Proposal (20% of final grade):** State your team members and summarize the project.
- **Report (40% of final grade):** Describe your objective, the data, your methodology, and the results in detail.
- **Presentation (40% of final grade):** Deliver a 10-15 minute presentation on your objective, the data, your methodology, and the results.

## Proposal

Criterion	100%	80%	60%	0%
Team Members	All team members listed with full names and roles.	—	—	Team members missing or unclear.
Dataset Link	Accurate and accessible link provided.	—	—	No link provided.
Dataset Description	Clear description including type, structure, form, and distribution.	Description covers most aspects; minor details missing.	Description incomplete; missing several aspects.	No meaningful description provided.
Project Objective	Predictive or analytical objective clearly stated and specific.	Objective stated but somewhat vague.	Objective partially stated or unclear.	Objective not stated.
Baseline Models	All baseline models clearly listed with rationale.	Most baseline models listed; rationale incomplete.	Baseline models mentioned but incomplete or unclear.	Baseline models missing.
Proposed Adjustment	Adjustment to baseline clearly stated and justified.	Adjustment stated but justification weak.	Adjustment mentioned but unclear or vague.	No adjustment proposed.