

Final Project Instructions:

Presentation, Paper, Points Breakdown

Presentation - To Be Presented 12/7,12/9,12/12 Slides Due the Night Before the Presentation

You should include the following in your presentation, for which you will have **3 minutes**. It doesn't need to be in this order, but it's reasonable to do it in this order. Only one team member needs to present, but you could trade off if you want to. Slides are due the night before so that we can present them from the classroom computer.

Team - Who are you, and what are your teammates' names?

Problem statement - What did you want to know or achieve?

Backstory - Why did you become interested in this problem?

Methods - What exactly did you do?

Challenge - What's one challenge you overcame while working on the project, and how did you solve it?

Results - Show your most interesting result so far.

Conclusions - What did you learn doing this?

Fun fact - What is one random thing you learned during this project that is entertaining or interesting to the audience but mostly beside the point?

Paper - Due 12/12

One team member should turn in the paper to Blackboard, along with either the **code** or a **link to the code**. The others don't need to turn in anything.

Authors - Include your whole team as authors. It's conventional to list the person who did the most work first, or list alphabetically if it was equal.

Introduction - What is the problem you were trying to solve and why did you want to solve it? Also include any background information necessary to understand the problem (such as explaining sports statistics used later in the paper).

Methodology - What did you do? Include details like parameters of machine learning here.

Results - What were your results? Include statistical results, visualizations, and other findings here.

Conclusions - What did you conclude from your results? Is there anything else your team learned from the experience?

This is all very similar to the presentation, except there's no "challenge" or "fun fact" section.

Grading Breakdown Reminder

Proposal	10%
Peer review	10%
Ambition	25%
Execution	30%
Presentation	10%
Paper	15%

Notes:

Proposals are graded based on whether all the boldface pieces are present, and not on the ambition (or anticipated execution) of the proposal.

Peer review, an assignment in which you evaluate your teammates' progress, is just graded on whether you answer all the questions - points aren't subtracted for reporting trouble with the group.

Ambition refers to the scope of the project that is turned in, not the scope of the project that was proposed. Projects that go along with the feedback for the proposal will get full ambition marks.

Execution refers to how well executed the plan was, such as whether techniques and parameters are chosen appropriately. This is how the code is graded, but also could include things like choice of statistics or visualization.

Presentation is a "lightning" talk delivered on one of the last 3 days of class. It is graded mostly on whether all the parts are there, but could have deductions for being unclear or misleading.

Paper is graded mostly on whether all the parts are there, but could have deductions for saying something incorrect, misleading, or poorly edited.