

**Final Project Overview – 60% of course grade
(60 points/100 total course points)**

SI 699 Big Data Analytics

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We are finally at the last, most important part of the course: your capstone Final Project.

There are multiple components to this project, all with varying due dates. Some will have corresponding updated specs with more details as to what to expect, but this will outline the general overview of the final project. The components and due dates are as follows (percentages are overall course grade so they add up to 60%):

- **Project Ideas Presentation – Feb 22 (already completed), 5%**
- **Class Check in Presentation – March 22 (detailed spec to follow), 5%**
- **Individual Group Meetings with me – each class until April 5, 5%**
- **Poster Presentation and 5-7 min. Video – (detailed spec to follow):**
Posters due by April 12 (earlier deadline for printing is >48 hours)
Videos due by April 11, Total: 10%
(Note: any group missing either a poster or video will receive 0% for this part)
- **Final Papers – April 15 (detailed spec to follow), 35%**
- **(Optional but HIGHLY recommended UMSI poster fair: Monday, April 17)**

Class Final Poster Fair and Presentation: April 12. Public video presentations and poster fair: 4:30-6pm, Ehrlicher Room with food, drinks, and prizes! Please invite your friends.

Learning Objectives: In this assignment, you will work with your final project team on your final project. The project should be large enough in scope where it should take a few weeks of data science research and analysis to complete (if you can do all the work in less than a week then it is likely not big enough), but not so big, that it is unfeasible or unmanageable for the time given for the assignment. The only requirements for the contents of the project are that it should involve some computational analysis of “big data,” broadly defined. The research papers we have been reading and talking about are all representative of what is acceptable.

Assignment Timeline Overview:

By the end of class on March 8, you should finalize what the scope and topics of your final project should be. At this point, you will want to delegate certain group members with tasks so you can stay on track. In 2 weeks, March 22, you will present a progress report to the class for feedback and further suggestions. You will then have 2 more weeks to work to finalize a project. April 5 will be reserved as a final day to work as a group and get feedback, with the video, poster, and paper due the following week. This means, from when you finalize your final project on March 8 until the Poster deadline, **you have roughly 4.5 weeks for the entire project analysis with an additional week for the final paper write up.**

Grading Rubrics will follow in the detailed specs for each individual component.