CS 105 Final Project

Steps:

1. **Project proposal**
2. **Data collection and data cleaning**
3. **EDA**
4. **Completing your project**
5. **Writing a report**
6. **Presentation**
7. **Questions**

Description:

1. Project proposal

A short introduction to the topic, description of your project, technique(s) that you are planning on using.

2. Data collection and data cleaning

Depends on your project and data that you can find.

3. EDA

Similar to what you did for the Lab 5&6. Decide, what needs to be done here.

4. Completing your project

Find a topic that interests you. Be creative, do not use popular ideas. Choose something that you care about.

State a question(s) or set a goal. How can you answer your questions or achieve your goal? What data do you need? Can you find it?

Find a sufficiently large dataset(s) online (or use your dataset from Lab5&6).

Do you need to clean it?

Perform EDA on your data to better understand it. Decide, what needs to be done to capture interesting (related to your topic) information about the dataset. Report the results (use visualizations).

What methods/techniques/algorithms can you use and why? Here, you can use any of the techniques studied in class (but not anything that was done in the labs).

5. Project report

Describe all the work that you performed on the project. Complete the report before preparing your presentation. Please include each member's contribution.

6. Presentation

To receive credit for this part, you need to create a ppt presentation, record it and send me the link one day before the final exam.

7. Questions

Write three questions (with answers) about your project. All students should be able to answer your questions after watching your presentation (even if they are not very familiar with the topic).

What to submit:

1. Project proposal (by March 4, on Gradescope)
2. Clean dataset (include the source)
3. Jupyter notebook
4. Report
5. PPT
6. Questions

Grading:

Project description – 10 points
Data preparation and EDA – 10 points
Main part – 60 points
Presentation in class (use PPT) – 10 points
Questions – 10 points