

Project Presentation (15%)

This assignment consists of two parts: a writeup of your semester project and a video that showcases your developed tool (coding project) or tells a data stories utilizing the visualizations you developed (storytelling project).

The grading will have 3 components with 5 points each.

Writeup (5 points):

Your written report should include the following 5 sections:

- Introduction (why is this an interesting problem/question and why is a visual approach appropriate for analysis/exploring/storytelling)
- Dataset (brief summary of dataset and data abstraction - WHAT)
- Tasks (domain tasks and task abstraction - WHY)
- Visual Designs (final version of visual representations and interactions, including justification why they were chosen - HOW)
- Results (this section will be different for the 2 project types)
Coding Project: Implementation and Use Case (briefly describe how the tool can be used to perform some of your tasks, this should be a short summary of what you show in the video)
Storytelling Project: Process and used tools for creating the visuals and the Story (describe the key insights you found, this should be a short summary of what you show in the video)

You should reuse your writing from previous milestones to create this document. However, don't just copy & paste the text but integrate it into a coherent document. It's ok to use bullet points/tables to describe the data and task abstractions. Everything else should be written prose. Please submit a PDF file, 8-10 pages.

Video (5 points):

Coding Project content:

- brief description of the used data
- use case: demonstrate the features of the developed tool and show how it can be used to perform some of your tasks.

Storytelling Project content:

- brief description of the used data
- your data story (if you developed an interactive visualization you can record the use of your visualization to tell the story, if you are working with static representations you can include them in a slide deck and then do a narration)

The video should be 3 to 5 minutes long. If your data story is very long, then it's ok to have a longer video but it should be as concise as possible. Please submit your video as an .mp4 or .mov file. With Camtasia you can create this movie file using the Share button in the right upper

corner. Grading will be based on the use case or data story but also take the overall quality and delivery into account.

Overall Project Evaluation (5 points): scope of project (implementation or story) and innovative design aspects (use of visual idioms, interaction, multiple views, etc.) No submission required for this part.

You can also think of the writeup and video as 2 exhibits for a job application. The writeup should be targeted towards a technical audience and demonstrate your understanding of the visual design process and the production of a tool or story. The video should be targeted towards a non-technical audience and demonstrate how and why visual representations can be useful for data analysis/exploration or data storytelling.

OPTIONAL:

I will post the videos again on Piazza. When the finals are over, I encourage you to watch some of the videos of projects you find interesting and start discussions. You all worked hard on your semester projects and should celebrate your achievements together!