Data Visualization – Team Project Phase III
Spring 2023

Overview
In this phase of your team project, you will redesign and implement the visualization system as a team. You will need to manage your development schedule and make sure to deliver a usable visualization system in time. You will also need to package your work well for the final presentation and demonstration.

Due Date
- 2023/06/01 (Thu) 1:30 pm

Requirements
- Select one or more of the designs from your project phase II deliverables.
- Refine the design with your teammates. A good visualization design idea will be novel and visually interesting, visualize many variables effectively, and facilitate the discovery of many insights.
- Implement the design into an interactive visualization system (see Rules below for details on allowed technologies). Distribute technical work among the team members according to the level of programming proficiency. Everyone should take part in the technical development.
- Demonstrate how the system can help identify insights in the data through your visualizations.
- Name your system. Ideally with a short and easy-to-pronounce name.
- Make a video to demonstrate your system during the presentation. The video should explain how your system works with a usage scenario that visualizes interesting information (insights) in the data. Details below.
- Give a presentation with a video demo of your project as part of the final deliverables. Details below.
- Team project examples
    - https://jts3blog.wordpress.com/2019/12/19/a-fall-19-sampler-of-student-infovis-projects/

Deliverables (max size in total: 500MB)
- Oral presentation in class (2023/06/01)
    - Length: < 9 minutes **(including video presentation)**
    - Present in English
    - Only one team member can present
    - Use presentation slides with the guidelines below
- Presentation slides
    - Upload PDF format
    - Slides in 4:3 dimension
    - Number of slides is up to you **(but need to finish presenting in 9 minutes, including showing the video demonstration)**
    - Write in English

    - Content
        - Include information about team members (student id, name)
        - Introduce project topic, questions, and data
        - Introduce your system's name
        - Include video demonstration
        - Include team member contribution
        - References
- Video demonstration **(part of oral presentation)**
    - Length: < 4 minutes **(part of oral presentation time)**
    - Video dimension: 16:9 or 4:3
    - Format: MP4, M4V, or MOV
    - Content
        - Information about project team (team number, team members)
            - Do not include student IDs in video for potential sharing with the public
        - Subtitles or narration in English
        - Introduction to the design of the visualization system
        - Walkthrough a usage scenario for finding insights with the visualization system
    - Upload to course website
    - Optional: upload to a public video sharing website (e.g., YouTube) and include the link in the presentation slides. (may be helpful for your future job search)
        - Examples:
            - Paintings https://www.youtube.com/watch?v=9eTPR-JCDY8
            - VINYL https://www.youtube.com/watch?v=i8Xjmjc4boU
- Source code
    - Package your source code and upload to the course website in a zip file.
    - Optional: Upload your project to a website online and include the URL in the presentation slides.

Reminder

- As the deliverables may be large in size, **please reserve enough time to upload your files to the course website** to complete your uploads and submission in time.

Rules

- You are allowed to use any programming language or visualization library to develop your system.
- But you are not allowed to use systems that automatically generates visualizations for you, such as Tableau.
- **Late policy: -10% with every day late and will not be accepted 5 days after the due date.**