

# Project 2: Information and grading scheme

Introduction to Visualization, Spring 2023

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The goal of Project 2 is for you to **tell a story**, supported by **visuals** and by **data**. As a story, your project should have:

1. *Introduction*: motivation, guiding question(s) or a hypothesis, plan of action, methods
2. *Body*: data analysis, data visualization, interpretation of data, limitations
3. *Conclusion*: answer(s) to guiding question(s), confirmation / refutation of hypothesis, suggestions for improvement and further analysis

Project 2 will be done in **pairs** (2 people per group)<sup>1</sup>, and there is **no restriction** on the topic (subject to comments on the project proposal). The final product should be a **poster** (single page, ISO A series width/height ratio), submitted as a PDF (exceptions for interactive projects will be made, but a static submission of an instance of the interactive project is still expected). In comparison with Project 1, Project 2 should be more **in-depth**.

**Project proposal:** Due **March 30**, as an entry in the proposal sheet, accessible on ORTUS. One line per group. Should contain:

- the names of your team members
- the title of your project
- short description of the story you plan to tell, including
  - what data you plan to analyze / visualize
  - types of data visuals you plan to use (at least two different ones)
  - tasks that each member of your group will be expected to do
- from where you would get your data

These things may change (within reason) as you create your project. Please inform the instructors (via email) if there are major changes to your proposal after it has been submitted and critiqued. Feedback about your proposal will be given during the lab on **March 27** and **30**.

**Presentation:** During exam week (**April 17-21**), date TBD

- Time TBD (suggested 11:00 - 13:00)
- 10 minutes to present, 5 minutes for questions from students & instructors
- Submit to ORTUS before presenting

**Grading:** On ORTUS you will see your grades for the proposal (5 pts), presentation (5 pts), and material + self-grading (20 pts). These parts are described in detail below.

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<sup>1</sup> With one exception: since there is an odd number of people in the class, one group with 1 or 3 people will be allowed. First to indicate they want to do that will have preference.

**Grading scheme:** 30 points.

- *5 points:* Proposal: Has all required information (see above) been submitted?
- *5 points:* Presentation:
  - (3 pts) Were the motivation, process, conclusions clear?
  - (1 pt) Were questions from students / instructors answered well?
  - (1 pt) Average of peer review on presentation
- *15 points:* Submitted material. Criteria:
  - (2 pts) Are there three clear parts to project (see above)?
  - (2 pts) Does each part explain required topics (see above)?
  - (2 pts) Are there at least two visuals? Are they labeled, titled, clearly annotated? Are all parts of them clearly explained?
  - (2 pts) Is there text explaining the visual(s) in full sentences? Are all parts of the visual(s) explained?
  - (2 pts) Has color, text size, layout been used in a visually appealing way?
  - (2 pts) Is there analysis interpreting the results and the context?
  - (2 pts) Have sources been cited?
  - (1 pt) Average of peer review on poster
- *5 points:* Self-grading: Average of your own group members' grading of your project

**Peer review:** Your classmates will grade your project, by two questions (presentation and material).

1. Presentation: Scale of 1 (Couldn't follow the idea) to 10 (Compelling and entertaining)
2. Poster: Scale of 1 (All I see is numbers and words) to 10 (Visually appealing, well structured, consistent, follows the good visualization principles learned during the course )

**Self-grading:** You will get a chance to evaluate your team's work on the project. After the presentation, you will be asked to submit answers to the following questions, in text format.

1. Describe the work distribution and level of teamwork. How did the project develop after the proposal submission? What did you find easy and what were your team's greatest challenges?
2. Describe what you have learned and what you feel you are still lacking in after completing this project.
3. Grade your teammate and yourself separately on a scale of 1 (abysmal) to 5 (excellent). Justify your reasoning.

You will be able to choose if you want your answers to be visible to your teammate.