

Project 2

Information and grading scheme

Current status: *Finalized*

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), 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), and there is **no restriction** on the topic (subject to comments on the project proposal). The final product should be a **poster** (single page, height and width is your choice), submitted as a PDF. In comparison with Project 1, Project 2 should be more **in-depth**. The poster will have to be introduced to the class and both team members are expected to present.

Project proposal: Due on ORTUS **March 21**, as a single page PDF. One submission per group. Should contain:

- title of your project
- the names of your team members
- short description of the story you plan to tell
- what would be your expected data source
- 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

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 22**.

Presentation: During exam week, **April 19**

- 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.

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:
 - Are there three clear parts to project (see above)?
 - Does each part explain required topics (see above)?
 - Are there at least two visuals? Are they labeled, titled, clearly annotated?
 - Is there text explaining the visual(s) in full sentences? Are all parts of the visual(s) explained?
 - Is there analysis interpreting the results and the context?
 - 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.