



Objective

Visualization subject proposal: present a problem domain and a set of questions your visualization must answer to, according to the What? Why? How? framework.

Show a convincing data source exists for use in your proposal.

Requirements

Take a look at the materials to understand the questions you need to answer now:

- Problem Domain
 - What is the domain you are going to tackle? Economy? Oscar winners? College student enrolment grades? Choose a subject you find interesting and exciting.
- WHAT (data abstraction): What dataset, where is it available.
 - At this point, we want to know you will have access to data you can visualize. So, tell us which dataset you are going to use, and where it is available (in Checkpoint II you will provide the rest of the information regarding data abstraction). You can collect your own data if you want (it doesn't have to be a pre-made dataset) but we will be judging the inherent complexity of doing this and may refuse your proposal (think: you will have one week to do this)
- WHY (Task abstraction): What tasks, what purpose.
 - Think about which tasks your visualization should help the users perform, which concrete questions it should give an answer to.

Deliverables

Create a **2-page document using the provided template** and submit it online, until two days before your class (ex: classes on Monday must submit until Friday end of day) which states:

- Your domain;
- Your dataset;
- A set of at least five representative concrete questions your visualization should give an answer to;
- Some examples of data that show that the above are possible and adequate.

Remember: you must visualize **information** and not data. Think **derived measures**.

In case you're having difficulties in selecting your data source and problem domain, check out the course pages on "Data Sources" and "Visualization Ideas". Notice that some visualization domains are banned and you cannot use them.

The way **NOT** to do this: looking up some vis examples (especially copy & pasteable ones...) and trying to find a subject that fits. Choose a subject you are passionate about. Choose a domain you are familiar with. Choose questions that have been keeping you awake at night. The end result will be much better.

Penalties

- Documents over 2 pages long: **1 grade point penalty per extra page.**
- Document uploaded after the deadline: **0.5 grade points penalty per hour of delay.**
- Document template altered (wider margins, smaller font, etc.): **1 grade point penalty.**

Tasks to perform during the lab

The professor will provide feedback. The grade will be made known one week later (see below).

Grading

Your proposal will be graded according to the following parameters:

- Theme adequacy (is it interesting?);
- Vis complexity (complex enough (but not too much!)?);
- Data access (free & relatively easy to obtain?);
- Well-listed and precisely enunciated questions;
- Questions' Nature (Creative? Interesting? Relevant?).

Additional Notes

After you deliver your document, your work will be graded. HOWEVER, this grade **can be improved by up to two grade points** if you correct any faults pointed out by the professor and submit a revised version of the document HIGHLIGHTING THOSE CHANGES up the beginning of the class taking place 7 days after you receive feedback in class.