Infovis Final Report Instructions

For the final report of your InfoVis project, you should write a document using the provided template (**SIGCHIPaperFormat.docx**), with no **fewer than 6 and no more than 8 pages long**. You can adapt the sections to what is relevant for your project, but you should at the very least focus on the following things:

1. Introduction

Describe the problem domain you are going to address. Why is it relevant? What questions are unanswered? What is the motivation for addressing it? Don't current tools already do what you need? What did you expect to gain from your approach? What tasks do you propose to allow (from Checkpoint I)? New ones, even?

IMPORTANT: explicitly list the tasks/questions you defined in Checkpoint I

The intro should give someone who didn't know your project enough background to understand it.

[NOTE: part of this comes from what you decided in Checkpoint I]

2. Related Work

What similar works did you find to yours? Where did you get your inspiration? Scientific papers would be great, but at least online references should be here. You should be describing other works that visualize the same problem domain (or similar ones), and explain why they don't really do what you need.

[NOTE: be honest here. Mentioning something you already saw, even if it is similar to what you ended up implementing, *is not considered a bad thing*. You won't get downgraded because you implemented a similar solution (only if you copied someone else's code…)]

3. The Data

Where did you get your data from? What challenges did you face? Did you have to correlate sources? Did you have to clean it up? What data did you think you'd get and ended up not finding? Which compromises did you make? Also, be sure to mention scalability issues. Did you have to filter things out? Aggregate them? Derived measures? Go beyond Checkpoint II: after it, did you need to revisit the data and its format? Make changes? Describe them and why.

[NOTE: We don't need an exhaustive description such as the one in Checkpoint II. We want a narrative, a story of what you had to do and why, not lists of column names, etc. Copying and pasting the things from Checkpoint II here won't work.]

4. Visualization

Be sure to profusely illustrate this section!

4.1 Overall Description

What is your solution? Start with an overview of the system (layout, etc.), how it works (how data can be filtered, selected, etc) and then move on to describing the different visualization techniques, showing how each works and gets the job done.

4.2 Rationale

Why did you think your techniques would work? What visual encodings did you use and why (and why not others)? What alternatives did you consider, even if they turned out not to work. Especially, discuss how you managed the complexity of real data, and matters of scalability. Also, include in your discussion the evolution of the prototype, from the initial sketches to the last version highlighting what you learned from version to version and how that influenced you design.

4.3 Demonstrate the Potential

Describe for at least a couple of cases (from the tasks you promised before) where, step by step (illustrated with screenshots), you find the answers you seek. In short, demonstrate the potential of your solution! Does your visualization provide insights on data that *you were not expecting / that are not common knowledge*? ***These are pure gold!*** Be sure to include them!

5. Implementation Details

What challenges did you find and overcame? How did you implement the links between the views (incl. brushing, etc.)? What algorithms did you use? What techniques did you adapt or implement from scratch (instead of just copying & pasting them from the D3 examples page…)

6. Conclusion & Future Work

What did you learn? Were you able to address all tasks? If you were to start over, what would you have done differently? Also, if you now had 1 more month and €3000 do spend on this, what else would you do to enrich your solution?