

## **CS 524 S2015**

### **VISUALIZATION & VISUAL ANALYTICS 2**

#### Interview Project

*You will survey current visualization systems and techniques in an area of your choice. Additionally, you will interview one or ideally many researchers in that area to discover the types of data they work with and the needs particular to their research.*

**1.** Survey visualization tasks from a research area of your choice.

- What different types of data are generated, gathered, and/or analyzed?
- How is this data used in research tasks?
- What visualization tools or specialized visualization software is widely used by researchers in the field?
- Can you find research papers that focus on visualization for this field?
- What are the some visualization opportunities in this field?
- What are some interesting approaches to data visualization that could be useful in other domains?

**2.** Interview two or more researchers in the surveyed research area. Some questions to ask:

- What is the main research project you work on?
- What would be an ideal result from your research?
- What kind of data do you work with most often in your research?
- How do you gather or generate this data?
- How is this data used/analyzed?
- What visualization tools/techniques do you use to help make sense of this data?
- What visualization tools/techniques do you use to display the data and/or communicate with other experts in your field?

**3.** Create a written report of your findings, similar in style to the EuroVis STAR reports.

- What is the state-of-the-art in visualization and visual analytics for this research area?
- What are some aspects of the data or analysis techniques that are unique to this area? What are aspects that are similar to other areas?

- What recommendations for visualization techniques do you have for researchers in this area? What insights did you gain that might be useful for researchers in other areas?

- What academic conferences or workshops would be interested in this STAR report?

**Grading:**

- 15% of your grade will be based on the Interview project. Part A will be creating a summary of your interviews. Part B will be the incorporation of your survey and your interviews into a STAR report.