Advanced Data Visualization

CS 6965

Fall 2019

Prof. Bei Wang Phillips

University of Utah

Project 02

Objective

- Learning how to create personalized visualization with physical visualization.

1.Getting Started (4 points)

Please answer the following questions (each worth 1 point):

- What type of personal data would you like to visualize? (The one from yourself, or someone you know closely)

- How do you obtain the data? (Please make sure the data you would like to visualize can be obtained).

- Why studying such a data set is important and meaningful for you?

- What sort of insights do you expect to get out of this visualization?

2.Design Process (3 points)

Please describe in 1-page your design process, while addressing the following questions:

- What sort of physical medium/building block do you choose to use? And why do you choose such a material?
- What sort of computation/data analysis do you have to do prior to creating your physical visualization?
- How do you evaluate the effectiveness of your physical visualization?

3.Create Physical Visualization (8 pts)

First, address the following question in your report (2 point):

- After you have completed the physical visualization, what sort of insights do you end up obtaining from the visualization? (In comparison to the insights you initially expected to obtain?)

Constructing the actual physical visualization of your personal data based on your design process. Describe the encoding you used for your physical visualization and how would a viewer interpret it (2 points).

Please include 4 photos (from different angles) of your physical visualization in your report.

The visualization should aim to be creative and original (2 points) while being informative and interpretable (2 points).

Project Submission: Report + Photo

The project will be graded based on the above 3 steps. Please include the answers to the questions together with the photos of your visualization in a PDF report.

Project 4 is to be submitted as a PDF via Canvas.

If your physical visualization is portable, please bring it to class on the due date to be shared with your fellow classmates.

Thanks!

Any questions?

You can find me at: beiwang@sci.utah.edu

CREDITS

Special thanks to all people who made and share these awesome resources for free:

- ⊡ Presentation template designed by Slidesmash

- ⊡ Photographs by unsplash.com and pexels.com

- ⊡ Vector Icons by Matthew Skiles

Presentation Design

This presentation uses the following typographies and colors:

Free Fonts used:

http://www.1001fonts.com/oswald-font.html

https://www.fontsquirrel.com/fonts/open-sans

Colors used