Assignment 2.2

Posted February 24 Due before next class

Overview

Use the data you chose to create a data visualization. Consider what may be interesting to explore in the data, and what graphical/visual/interactive strategies may help reveal it. You are free to use Processing, D3.JS or other visualization strategies/technologies (as long as they involve coding). Note: you can also build on your prior project.

Resources

- https://processing.org/tutorials/data/
- http://d3js.org/
- http://www.amazon.com/Visualizing-Data-Explaining-Processing-Environment/dp/0596514557
- https://github.com/dcardo/BOTV DataViz

Further Reading

- When Art and Analytics Overlap Golan Levin May 23, 2013, 2013.
- https://www.youtube.com/watch?v=T9EF35Cxvhc&feature=youtube_gdata_player.
- Tufte, Edward R. Envisioning Information. Cheshire, Conn.: Graphics Pr, 1990.
- Tufte, Edward R. The Visual Display of Quantitative Information. 2nd edition. Cheshire, Conn: Graphics Pr, 2001.
- Lima, Manuel, and Ben Shneiderman. The Book of Trees: Visualizing Branches of Knowledge. New York: Princeton Architectural Press, 2014.
- Lima, Manuel. Visual Complexity: Mapping Patterns of Information. Reprint edition. New York: Princeton Architectural Press, 2013.
- Andrienko, Gennady, Natalia Andrienko, Urska Demsar, Doris Dransch, Jason Dykes, Sara Irina Fabrikant, Mikael Jern, Menno-Jan Kraak, Heidrun Schumann, and Christian Tominski. "Space, Time and Visual Analytics." *International Journal of Geographical Information Science* 24, no. 10 (October 11, 2010): 1577–1600. doi:10.1080/13658816.2010.508043.

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Arias-Hernandez, Richard, John Dill, Brian Fisher, and Tera Marie Green. "Visual Analytics and Human Computer Interaction." *Interactions* 18, no. 1 (2011): 51–55.

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Kielman, Joe, Jim Thomas, and Richard May. "Foundations and Frontiers in Visual Analytics." *Information Visualization* 8, no. 4 (December 2009): 239–46. doi:10.1057/ivs.2009.25.

Mackinlay, Jock D. "Technical Perspective: Finding and Telling Stories with Data." Commun. ACM 52, no. 1 (January 2009): 86–86. doi:10.1145/1435417.1435438.

Thomas, James J., and Kristin A. Cook, eds. *Illuminating the Path: The Research and Development Agenda for Visual Analytics*. Los Alamitos, CA: National Visualization and Analytics Ctr, 2005.