**Hand-out: Useful resources for data visualization and communication**

***Books:***

Few, Stephen. 2006. Information Dashboard Design; The Effective Visual Communication of Data, O’Reilly,

Few, Stephen. 2012, 2nd edition. *Show Me the Numbers: Designing Tables and Graphs to Enlighten.* Oakland,

Few, Stephen. 2009*. Now You See It: Simple Visualization Techniques for Quantitative Analysis.* Oakland,

Heath, Chip, and Dan Heath. 2007. *Made to Stick: Why Some Ideas Survive and Others Die*. New York, NY: Random House.

Huff, Darrell. 1993. *How to Lie with Statistics*. New York, NY: W. W. Norton & Co., Inc.

Hughes, William. 1997. *Critical Thinking: An Introduction to the Basic Skills*. Peterborough, Ontario: Broadview Press.

Koomey, Jonathan. 2008. *Turning Numbers into Knowledge: Mastering the Art of Problem Solving*. 2d edition. Oakland, CA: Analytics Press. (http://www.analyticspress.com)

Norman, Donald A. 1990. *The Design of Everyday Things*. New York, NY: Doubleday/Currency.

Tufte, Edward R. 1995. *The Visual Display of Quantitative Information*. Cheshire, CT: Graphics Press.

Tufte, Edward R. 1997 *Visual Explanations* by Edward Tufte, Graphics Press.

Tufte, Edward R. 1990 *Envisioning Information* by Edward Tufte, Graphics Press

*Ware, Colin. 2012. Information Visualization*

Heath, Chip, and Dan Heath. 2007. Made to Stick: Why Some Ideas Survive and Others Die. New York, NY: Random House."

Wong, Dona M. 2010. The wall street Journal: Guide to Information graphics

***Websites***

 [Books, workshop, website and articles](http://www.perceptualedge.com/) from [Stephen Few](http://www.perceptualedge.com/)

Juice Analytics, [visualization resources](http://www.juiceanalytics.com/visualization-resources/)

[Visualizing data resources](http://www.visualisingdata.com/) from Andy Kirk

**Hand-out: Quotes**

“The greatest value of a picture is when it forces us to notice what we never expected to see” John W. Tukey

“If you don’t find narrative in the data, you might as well be posting the phone book” Unknown

“Your scientists were so preoccupied with whether or not they could, they didn’t stop to think if they should” Dr Ian Malcom Jurrasic park 1993

“The purpose of visualization is insight, not pictures” Ben Schneiderman

“Don’t confuse simplicity with simplistic” Garr Reynolds

“My working process is riddled with dead-ends, messy errors and bad decisions” Jer Thorp

“Different forms do better jobs at answering different questions” Amanda Cox

“Perfection is achieved, not when there is nothing more to add, but when there is nothing left to take away” Antoine de Saint Exupery

“The real act of discovery consists not in finding new lands but in seeing with new eyes” Marcel Proust

### “Stories are how people make sense of the world. Stories are used to chunk information into more memorable units, thereby avoiding some of the limitations of short-term memory. By chunking the information in a compact and structured format, people are able to generalize and compare experiences in ways not possible if the details were unorganized sets of unrelated information. Stories provide scripts or schemas in which people interpret new information from previous experiences or portrayals” Bill Ferster

“Be clear first and clever second. If you have to throw one of those out, throw out clever” Jason Fried

“Usability is not everything. If usability engineers designed night club, it would be clean, quiet, bright lit, with lots of places to sit down, plenty or bartenders, menus written in 18-point sans serif, and easy to find bathrooms. But nobody would be there. They would all be down the street at Coyote Ugly pouring beer on each other” Joel Spolsky

“Data isn’t like your kids, you don’t have to pretend to love them equally” Amanda Cox

“Overload, clutter, and confusion are not attributes of information, they are failures of design” Edward Tufte

“Avoiding catastrophe becomes the first principle in bringing colour to information: Above all, do no harm” Edward Tufte.

 “Colour used well can enhance and clarify a presentation. Colour used poorly will obscure, muddle and confuse” Maureen Stone