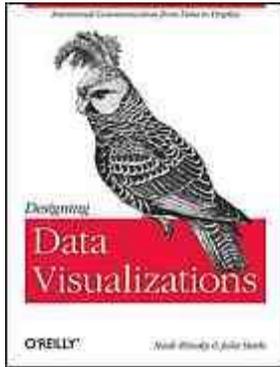


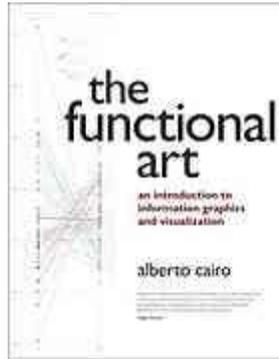
Showing (Off) Your Research: Data Visualization Tools

May 1, 2013 | Additional Resources

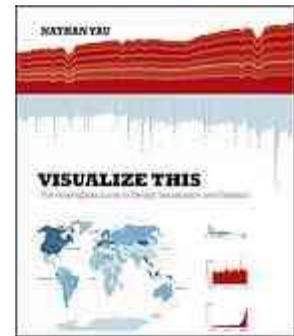
Books



Iliinsky, Noah, and Julie Steele. *Designing Data Visualizations*. Beijing: O'Reilly, 2011.



Cairo, Alberto. *The Functional Art: An Introduction to Information Graphics and Visualization*. Berkeley, CA : New Riders, 2013



Yau, Nathan. *Visualize This: The Flowingdata Guide to Design, Visualization, and Statistics*. Indianapolis, Ind: Wiley Pub, 2011.

Websites to learn from

- <http://flowingdata.com/2009/09/03/what-visualization-toolsoftware-should-you-use-getting-started/>
- <http://flowingdata.com/2008/10/20/40-essential-tools-and-resources-to-visualize-data/>
- <http://stats.stackexchange.com/questions/2171/resources-for-learning-to-create-data-visualizations>
- <http://www.rstudio.com/shiny/>
- <http://office.microsoft.com/en-us/excel-help/power-view-explore-visualize-and-present-your-data-HA102835634.aspx>
- https://google-developers.appspot.com/chart/interactive/docs/basic_preparing_data
- <http://blogs.technet.com/b/office2010/archive/2009/09/04/data-visualization-features-in-excel-2010.aspx>

Online Courses

- <http://www.guardian.co.uk/guardian-masterclasses/data-visualisation>
- <http://www.tableausoftware.com/beginners-data-visualization>
- MOOC: <http://open.journalismcourses.org/>

Links to additional tools

- <http://selection.datavisualization.ch/>
- <http://list.ly/list/As-wicked-cool-data-visualization-tools>
- [http://www.computerworld.com/s/article/9214755/Chart and image gallery 30 free tools for data visualization and analysis](http://www.computerworld.com/s/article/9214755/Chart_and_image_gallery_30_free_tools_for_data_visualization_and_analysis)
- [http://www.computerworld.com/s/article/9215504/22 free tools for data visualization and analysis](http://www.computerworld.com/s/article/9215504/22_free_tools_for_data_visualization_and_analysis)

Twitter List to Follow

<https://twitter.com/albertocairo>
<https://twitter.com/drawbynumbers>
<https://twitter.com/flowingdata>
<https://twitter.com/JanWillemTulp>
<https://twitter.com/krees>
<https://twitter.com/manyeyes>

https://twitter.com/moritz_stefaner
<https://twitter.com/noahi>
<https://twitter.com/Periscopic>
<https://twitter.com/storywithdata>
<https://twitter.com/visualisingdata>

UW Campus Resources for Data Visualization

Data Librarians! Stephanie Wright and Jenny Muilenburg

- Graduate students are encouraged to contact Stephanie and Jenny anytime, including at the very earliest stages of thinking about data. They have created a data services subject guide includes links, basic tutorials for visualization tools, and many other resources on data visualization and other elements of the data life cycle.
<http://guides.lib.washington.edu/data>

Design Help Desk

- The Design Help Desk offers free advice to both undergraduate and graduate students seeking to improve their visuals for presentation/publication. Get help on your figures, diagrams, data plots, slides and posters from graduate students in the Division of Design, School of Art. Spring quarter 2013 drop-in hours at the Research Commons are Tuesdays from 4:00 – 6:00 p.m.

Center for Social Sciences Computation and Research (CSSCR)

- Free one-hour classes offered each quarter, open to all students on campus. See current list here, and note that some visualization courses are often offered in the fall: <http://julius.csscr.washington.edu/courses.htm>
- Additional consulting services offered to students who are part of member departments (Anthropology/Archeology; Communication; Economics; Education; Geography; Jackson School; Political Science; Psychology; Social Work; Sociology).
- Online data archive with data available to current UW students, faculty and staff:
<http://julius.csscr.washington.edu/data.htm>

The Center for Studies in Demography and Ecology (CSDE) <http://csde.washington.edu/index.php>

- CSDE provides resources and technical support for faculty and students with a particular interest in serving demographic and social scientific research partners. Our goal is to provide secure, stable, and cost-effective computing as well as a cutting-edge, responsive environment for researchers at the frontiers of population research. In addition, we provide expertise and assistance in the choice and implementation of statistical methodology for demographic research. In particular, we provide consultation on data visualization strategies including, for example, graphs that accompany network analyses and maps using geographic information systems.

Eligibility for use of CSDE services:

- 1) All UW faculty, students and staff are eligible to attend quarterly CSDE trainings on popular statistical and GIS software. See: <http://csde.washington.edu/services/statistics/training/trainingoverview.shtml>
- 2) All students and faculty affiliates with an active UW NetID are eligible to apply for a CSDE computer account which provides a wide variety of analytic and graphical software packages. Users have remote access to our servers from any computer with internet access, or off-campus.
- 3) Consulting services are restricted to UW students and faculty affiliates conducting demographic research. Typically, demography involves study of human populations through analyses of U.S. Census, state-wide sources, or survey response data.

Geographic Information Systems (GIS):

- The GIS lab is located on the ground floor of Suzzallo Library. GIS assistance is available in the lab 15 hours/week. Lab staff can provide assistance with basic GIS tasks such as discovering data for your project, getting data into your project, and basic geo-processing tasks. Software includes ARCGIS desktop suite. For Spring 2013, hours include Monday – Thursday 4:00 – 7:00 and Friday 1:00 – 4:00.
- Large body of GIS data sets available through [WAGDA](http://wagda.lib.washington.edu) (Washington Geospatial Data Archive) <http://wagda.lib.washington.edu>. Use of some datasets is limited to current UW students, faculty and staff.
- Matthew Parsons, Geospatial data and maps librarian, may be contacted at: gis@lib.washington.edu

Classes through ASUW Experimental College <https://www.depts.washington.edu/asuwxpcl>

The mission of the ASUW Experimental College is to serve the students of the University of Washington by providing enriching non-credit classes. In spring 2013, they offered a class called “Introduction to Data Visualization.” It met four times and cost \$50 for current UW students.