Data Visualization Resources

4.8.16

Reading

Highly recommended for your home library

*The Functional Art*, by Alberto Cairo
*Communicating Data with Tableau*, by Ben Jones
*Make: Getting Started with Processing*, by Casey Reas and Ben Fry

This is the classic quartet of books about data visualization and information design:
*The Visual Display of Quantitative Information*, by Edward Tufte
*Visual Explanations*, by Edward Tufte
*Explaining Information*, by Edward Tufte
*Beautiful Evidence*, by Edward Tufte

These books provide wisdom in the art of visual analysis, sketching, and data storytelling:
*Naked Statistics*, by Charles Wheelan
*The Functional Art*, by Alberto Cairo
*Communicating Data with Tableau*, by Ben Jones

Author Ben Jones likens the data visualization process to writing, and the chapters of this book:
*On Writing Well*, by William Zinser
*Visualize This*, by Nathan Yau

These books provide everything you need to know about best practices in graph design, from a business intelligence perspective (please note these rules are cognitive and perceptual, and translate from business to other domains):
*Storytelling with Data*, by Cole Nussbaumer
*Creating More Effective Graphs*, by Naomi Robbins
*Show Me the Numbers*, by Stephen Few
*Now You See it*, by Stephen Few
*Signal from the Noise*, by Stephen Few

How to ask questions and guide your team through a creative, exploratory process:
*Gamestorming*, by Dave Gray et al.

These books will help you create data visualization art and interactives:
Getting Started with Processing, by Casey Reas and Ben Fry
Processing: A Programming Handbook for Visual Artists and Designers, by Casey Reas and Ben Fry
Learning Processing, by Daniel Shiffman
Generative Design: Visualize, program, and create with processing, by Hartmut Bohnacker et al.
Interactive Data Visualization for the Web, by Scott Murray
Javascript Enlightenment, by Cody Lindley

This is the instant-classic book about Data Visualization in R, based on the Grammar of Graphics, a book popular amongst statisticians:
GGPlot 2, by Hadley Wickham

**Websites for reading & inspiration**

**MAKE GRAPHICS WITH THESE TOOLS**
Google Sheets
Datawrapper
Chartbuilder
info.gram
Raw by Density Design
plot.ly
Quadrigram
Tableau
R + GGplot 2

**MAKE MAPS WITH THESE TOOLS**
indiemapper
carto.db
qgis

**DESIGN FIRMS**
accurat.it
fathom.info
periscopic.com
popchartlab
visual.ly
thenounproject.com

**NEWS & RESEARCH ORGANIZATIONS**
Inspiration, Learning, & Blogs

Seeingdata.org

Visualizing Information for Advocacy: Resources

Best Excel and Spreadsheet Tutorials

Infoactive Data + Design

Data Journalism Handbook

datavizcatalogue.com

flowingdata.com

informationisbeautiful.net

storytellingwithdata.com

gapminder.org

Tableau Public Galleries (download and investigate for learning purposes)

thewhyaxis.info

visualisingdata.com

Data Heroes

Alberto Cairo
Nicholas Felton
Edward Tufte
Nigel Holmes
Stefanie Posavec

Data Sources

Universities, News, Geographic, Sports, World, Government and Politics, and General Sources

Google search for tables online; merge tables online

drive.google.com/ fusion tables/ search public tables

Data Atlas
datausa.io (amazing new site for accessing government data)

knoema.com

American Community Survey (great for map data)

New Paltz data hub

newpaltz.libguides.com/c.php?g=328883&p=2460869

statabs.proquest.com/sa/

statabs.proquest.com/international/index.html

Country information and resources

newpaltz.libguides.com/countryinfo/websites

Fun and interesting data sources

Flowing data: guide to data sources

Data is Plural