Data Visualization Handbook

Compiled by Calibro (calib.ro)

Softwares & Tutorials

https://www.tableau.com/academic/students (tutorial)
http://app.rawgraphs.io/ (tutorial)
https://gephi.org/ (tutorials)
http://data-illustrator.com/ (tutorials)
https://charticulator.com/ (tutorials)
https://kepler.gl (tutorials)

Blogs

http://flowingdata.com/ (Nathan Yau)
http://www.thefunctionalart.com/ (Alberto Cairo)
http://www.visualisingdata.com/ (Andy Kirk)
https://eagereyes.org/ (Robert Kosara)

Books

Jacques Bertin,
Semiology of Graphics: Diagrams, Networks, Maps (1967)

Edward Tufte,
Envisioning Information (1990)
Visual Explanations: Images and Quantities, Evidence and Narrative (1997)
The Visual Display of Quantitative Information (2001)

Isabel Meirelles,
Design for Information: An Introduction to the Histories, Theories,
and Best Practices Behind Effective Information Visualizations
(2013)

Alberto Cairo,
The Truthful Art: Data, Charts, and Maps for Communication (2016)

Manuel Lima,
Visual Complexity: Mapping Patterns of Information (2011)

Showcases

https://www.informationisbeautifulawards.com/
http://www.maartenlambrechts.com/
https://www.nytimes.com/interactive/2018/us/2018-year-in-graphics.html
https://www.bloomberg.com/graphics/2018-in-graphics/

Data sources to exercise

https://www.kaggle.com/datasets
http://dataviz.tools/category/data-sources/
https://github.com/caesar0301/awesome-public-datasets
http://insideairbnb.com/
http://dati.comune.milano.it/

Coding

https://d3js.org/ (d3.js)
https://vega.github.io/vega/ (Vega)
https://emeeks.github.io/semiotic/#/semiotic/ (Semiotic)
https://processing.org/ (Processing)
http://www.chartjs.org/ (Charts.js)

Videos

https://vimeo.com/101957416 (Jonathan Corum)
https://vimeo.com/163053367 (David McCandless)
https://www.youtube.com/watch?v=hVimVzgtD6w (Hans Rosling)
https://www.youtube.com/watch?v=4v4XxlfVk3o (Aaron Koblin)

https://www.youtube.com/watch?v=vVX-PrBRtTY (About map projections)
https://www.youtube.com/watch?v=DwFpDzeOogY (Paolo Ciuccarelli)

Data visualization studios and professionals
https://truth-and-beauty.net/
http://www.joostgrootens.nl/
http://13pt.com/corum/
https://calib.ro/
https://www.accurat.it/
https://densitydesign.org/
https://www.cleverfranke.com/

Other useful resources

https://datavizcatalogue.com/ (taxonomy of charts and links to softwares to produce each chart type)
https://vistools.net/ (browsable list of data visualization tools)