

(Data) Visualisation

Data storytelling through visualization is crucial because it transforms complex things which are inaccessible or hardly accessible into something we can more easily grasp - something we can **see**.

By combining data with visuals, such as graphs, charts, and maps, we can 1) either effectively **explore** or 2) effectively **communicate** patterns, trends, and outliers that might otherwise go unnoticed. This approach not only makes data more accessible and understandable to a wider audience but also enhances decision-making by providing a compelling narrative that connects the data to real-world implications.

Inspirational videos

The best stats you've ever seen , Hans Rosling, https://www.youtube.com/watch?v=usdJgEwMinM	Hans Rosling is, for many, a founder of "data storytelling" ... Hans Rosling's 200 Countries, 200 Years, 4 Minutes - The Joy of Stats - BBC, (https://www.youtube.com/watch?v=jbkSRLYSojo)
The beauty of data visualization (David McCandless) , 2012, https://www.youtube.com/watch?v=5Zg-C8AAIGg	Data journalism, " Dataset should change your mindset "
Turning Bad Charts into Compelling Data Stories , Dominic Bohan TEDxYouth@Singapore , 2019, https://www.youtube.com/watch?v=edAf1jx1wh8	There are better and worse ways how to visualize ...
The Evolution Of Data Visualization Dustin Cabral TEDxBryantU , 2023, https://www.youtube.com/watch?v=sOJet45-kcY	A everyday life can be transformed to data and visuals ...

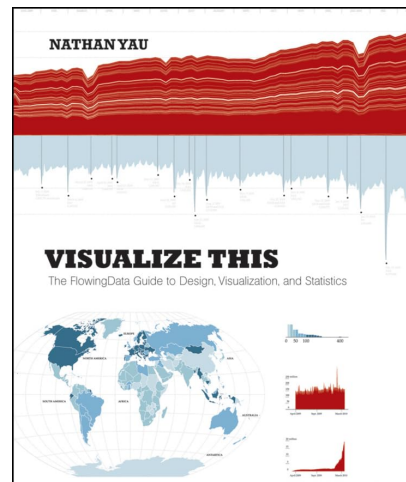
Lectures

Basic principles of data visualization in academic practice (Tomáš Marek, KISK), 2021,
<https://medial.phil.muni.cz/Play/12136>

- Visual representations of data are powerful tools of scholarly communication. However, extensive research shows that they are not always used with sufficient functionality. This lecture and follow-up workshop will focus on the basic principles and rules of data visualization and its application. The lesson will focus on data visualization foundations and concepts, such as data-ink ratio, chartjunk or memorability. We will dive shortly into relevant cognitive science topics, such as pre-attentive processing or memory.

Books

Yau, N. (2024) *Visualize This: the flowingdata guide to design, visualization, and statistics second edition*. 2nd edn. Indianapolis: John Wiley and Sons.
<https://flowingdata.com/visualize-this/>



Few, S. (2012) *Show Me the Numbers: Designing Tables and Graphs to Enlighten*. Second edition. Burlingame, Calif: Analytics Press.

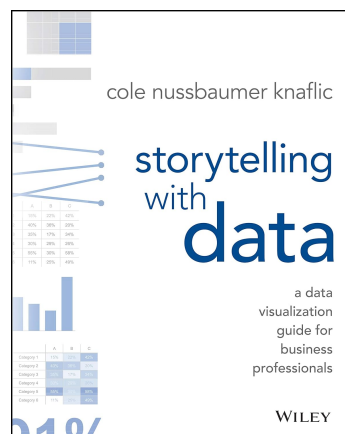
Second Edition

Show Me the Numbers
 Designing Tables and Graphs to Enlighten

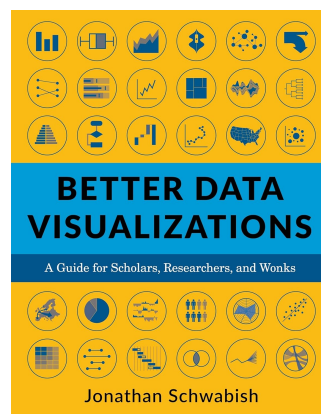


Stephen Few

Knaflíc, C.N. (2015) *Storytelling with Data: A Data Visualization Guide for Business Professionals*. 1st edition. Hoboken, New Jersey: Wiley.



Schwabish, J. (2021) *Better Data Visualizations: A Guide for Scholars, Researchers, and Wonks*. New York: Columbia University Press.



Other resources

Datová žurnalistika Českého Rozhlasu, <https://www.irozhlas.cz/zpravy-tag/datova-zurnalistika>

Datacamp

- [Introduction to Data Literacy - DataCamp Learn](#)
- [Understanding Data Visualization - DataCamp Learn](#)

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