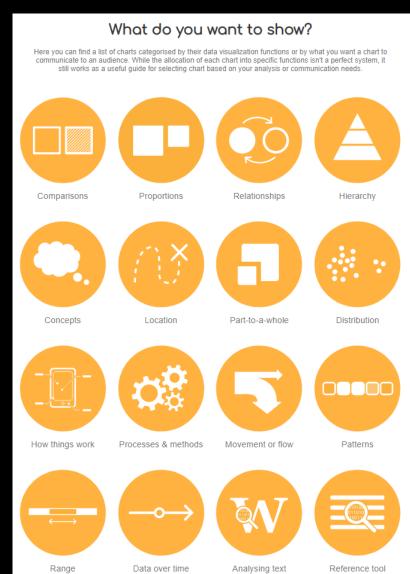
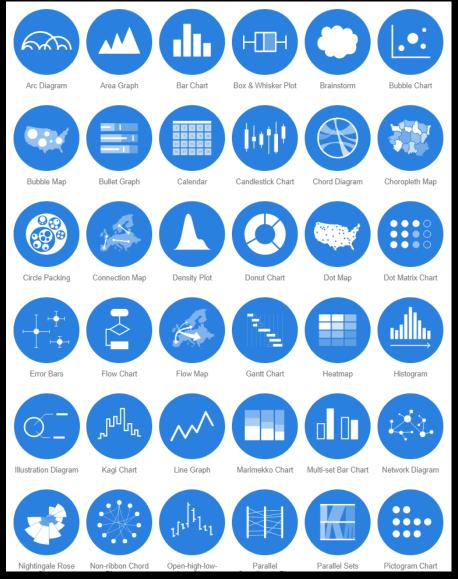
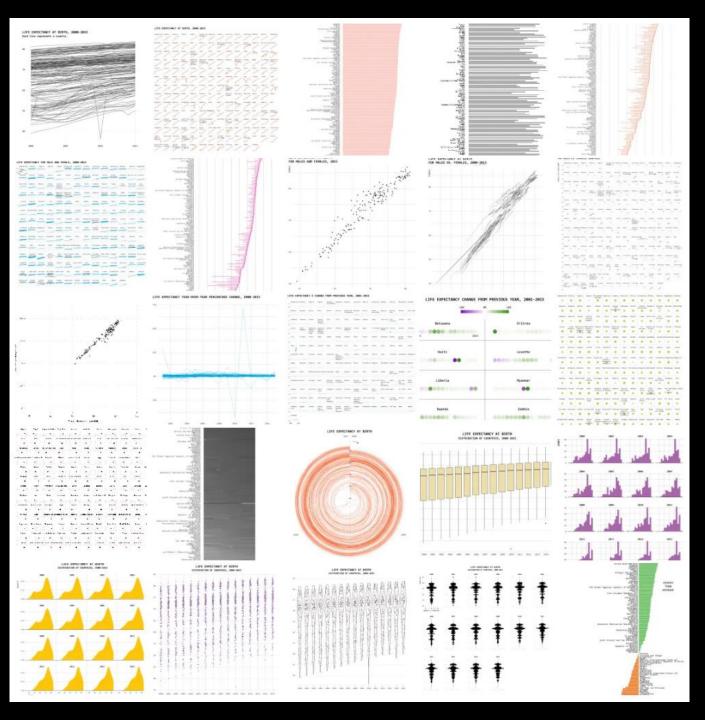
Constructing compelling charts

How to visualize data with R

What and How do you want to show?

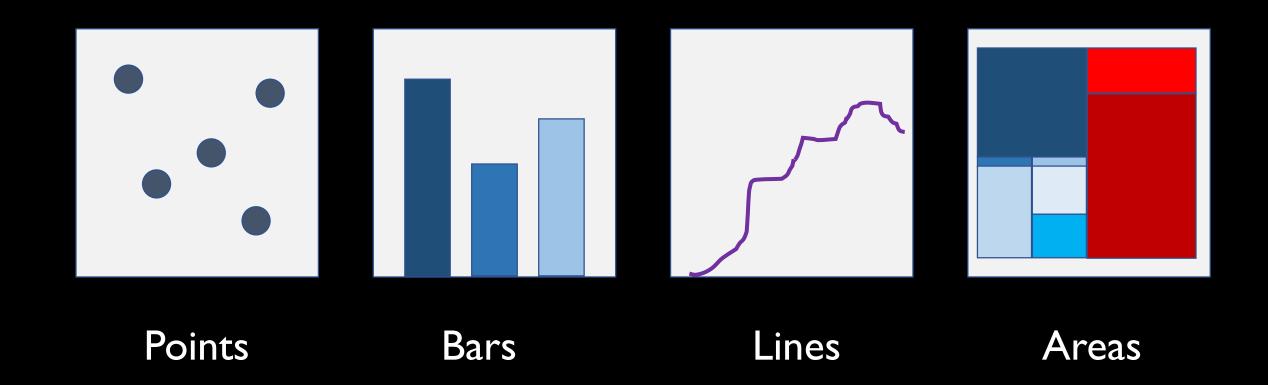






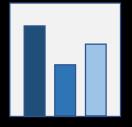
One Dataset, Visualized 25 Ways

Alphabet of Data Visualization



Alphabet of Data Visualization

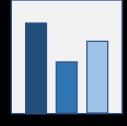






Position







Size and Width





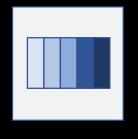
Angle and slope



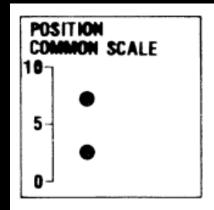
Shape

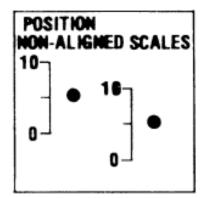


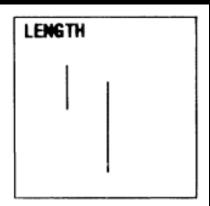
Color Hue

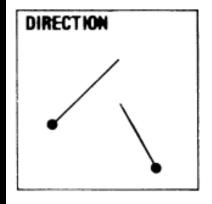


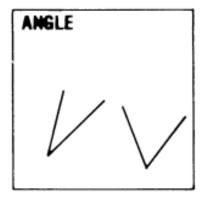
Color Saturation

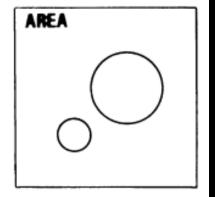


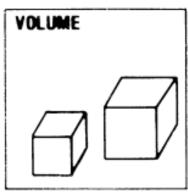




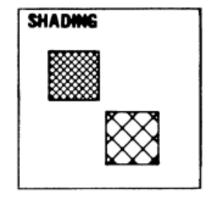












COLOR SATURATION

Graphical Perception Accuracy

- I. Position along a common scale
- 2. Positions along nonaligned scales
- 3. Length, direction, angle
- 4. Area
- 5. Volume, curvature
- 6. Shading, color saturation

Cleveland, William; McGill, Robert (1984). "Graphical Perception and Graphical Methods for Analyzing Scientific Data". Journal of the American Statistical Association. 79 (387): 531–544. doi:10.1080/01621459.1984.10478080. JSTOR 2288400. https://www.jstor.org/stable/2288400

From data to charts: Magic



