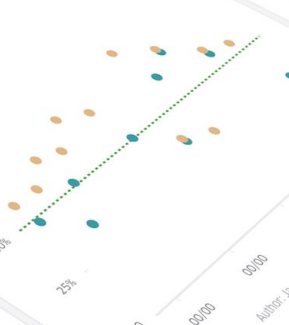
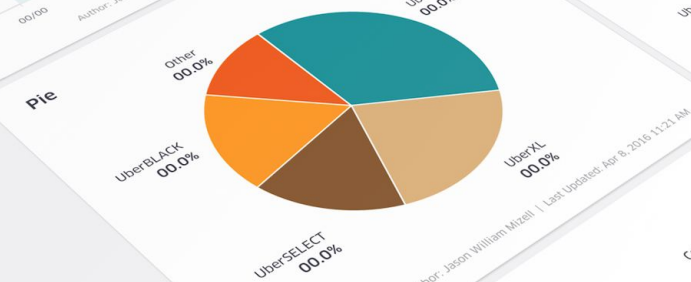
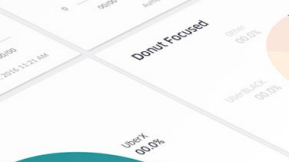
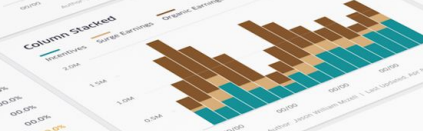




Business Technology Group

Introduction to Visual Analytics
September 25th, 2019





r/dataisugly

40.8k

Subscribers

16

Online

Your home for butchered visualizations!

Posted by u/Taipan100 1 year ago 🇺🇸

Accurate



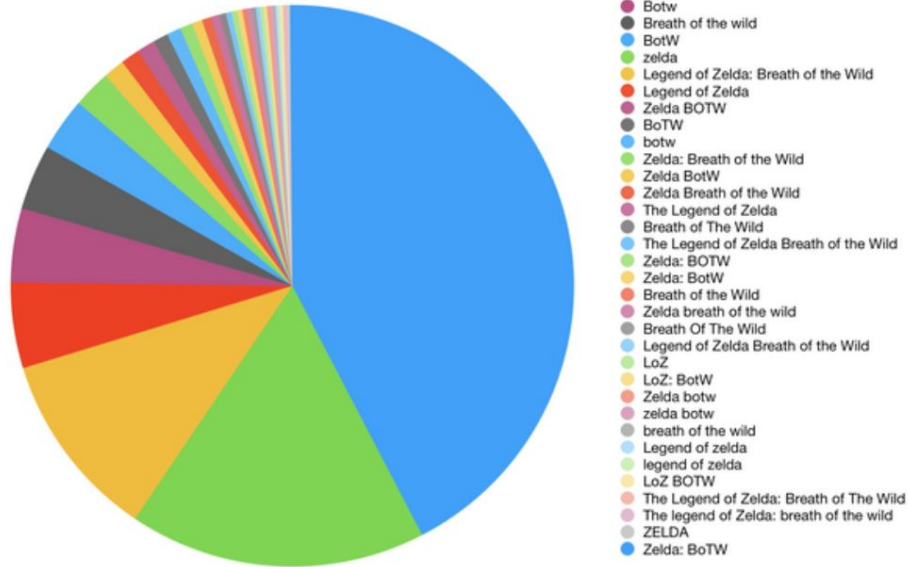
48 Comments Give Award Share Save ...

Posted by u/realIndiePhunq 1 year ago 📱

This is why surveys don't use write-ins (from r/nintendoswitch)

Which game(s) have you played the most?

3,994 responses



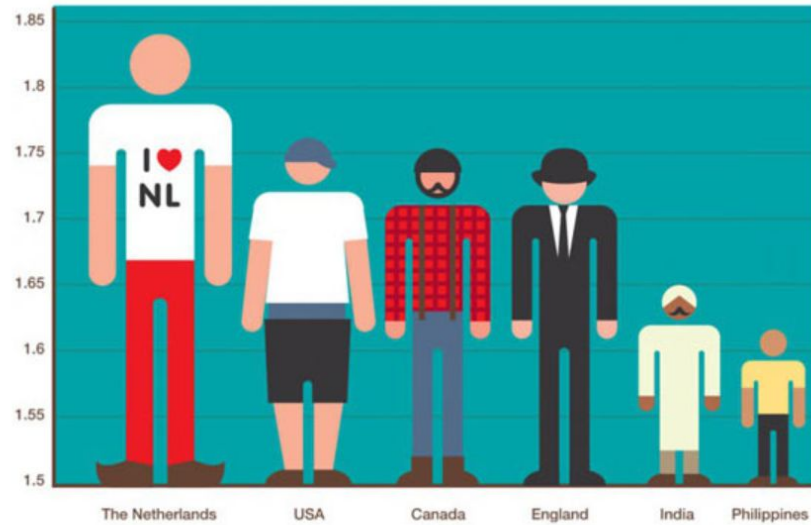
55 Comments Give Award Share Save ...

Posted by u/ProgVal 1 year ago 🇺🇸

The average Netherlander male is three times as tall as the average Philippian male

LOOKING DOWN ON THE REST OF THE WORLD

(Average male height in m)

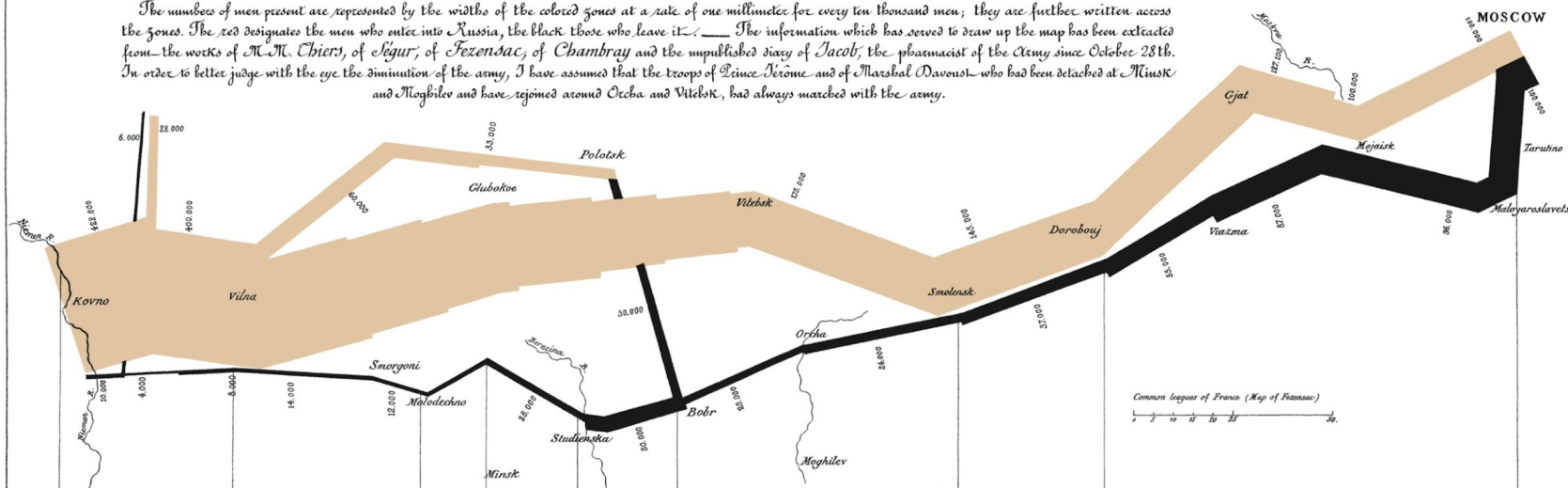


57 Comments Give Award Share Save ...

Figurative Map of the successive losses in men of the French Army in the Russian campaign 1812-1813.

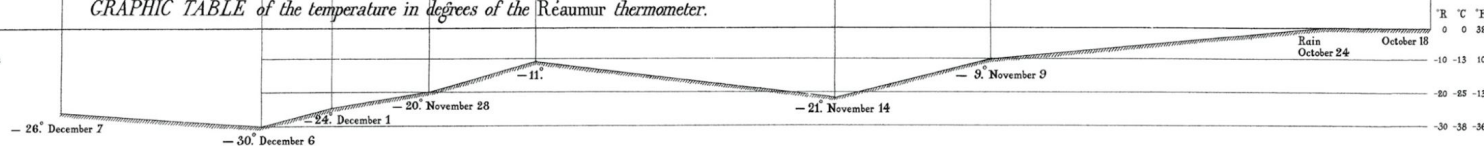
Drawn up by M. Minard, Inspector General of Bridges and Roads in retirement. Paris, November 20, 1869.

The numbers of men present are represented by the widths of the colored zones at a rate of one millimeter for every ten thousand men; they are further written across the zones. The red designates the men who enter into Russia, the black those who leave it. — The information which has served to draw up the map has been extracted from the works of M. M. Thiers, of Ségur, of Fezensac, of Chambray and the unpublished diary of Jacob, the pharmacist of the Army since October 28th. In order to better judge with the eye the diminution of the army, I have assumed that the troops of Prince Jérôme and of Marshal Davoust, who had been detached at Minsk and Moghilev and have rejoined around Orsha and Vitebsk, had always marched with the army.



GRAPHIC TABLE of the temperature in degrees of the Réaumur thermometer.

The Cossacks pass the frozen Niemen at a gallop.



Graphics and Their Goals (from Tufte)

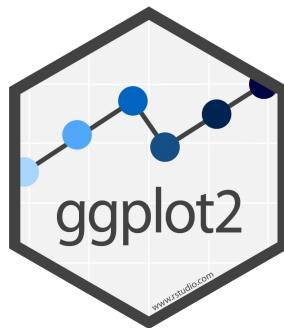
Graphics: visually display measured quantities by combining points, lines, coordinate system, numbers, symbols, words, shading, color

Goals: show data!

- ▶ induce viewer to think about substance, not graphical methodology
- ▶ avoid **distorting** the data
- ▶ present numbers in small space
- ▶ make large, complicated datasets more coherent
- ▶ encourage comparison of different pieces of data
- ▶ reveal data at several levels of detail
- ▶ **describe, explore, tabulate, identify relationships**
- ▶ be closely integrated with statistical/verbal descriptions of dataset
- ▶ use **consistent graph design**

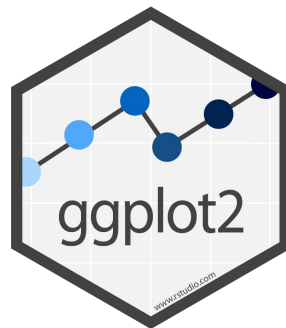
Graphs that do not meet these goals are not successful

Graphs leading viewers to make misleading conclusions should be avoided



Business
Intelligence
Analyst

Data
Visualization
Engineer



Lines of Code



(download the dataset)

<https://tinyurl.com/gamesdata>

Examining the data

11562 rows

16 columns

- **Categorical** (Name, Platform, Genre, Year of Release, Publisher, Developer, Rating)
- **Continuous** (NA_Sales, EU_Sales, JP_Sales, Global_Sales, Other_Sales, Critic_Score, Critic_Count, User_Score, User_Count)

(upload your files to the drive)

tinyurl.com/btgtableau

tinyurl.com/btgtableaufeedback