Business Technology Group
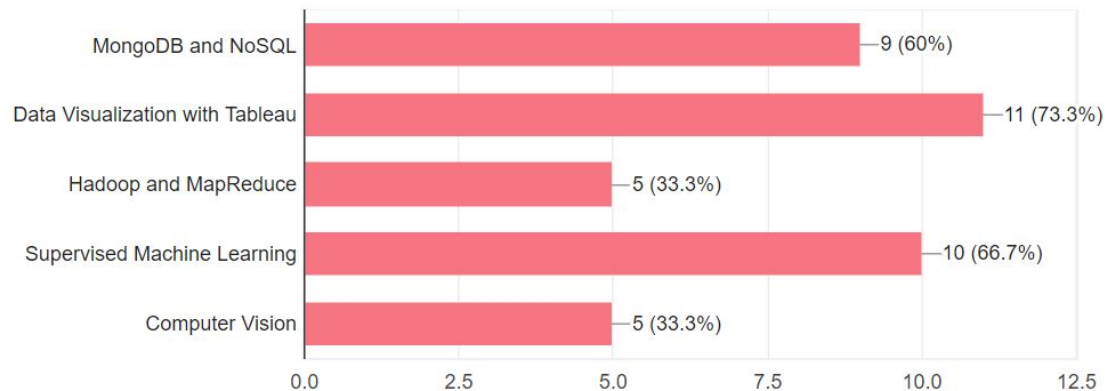
Data Visualization with Tableau
March 25th, 2019
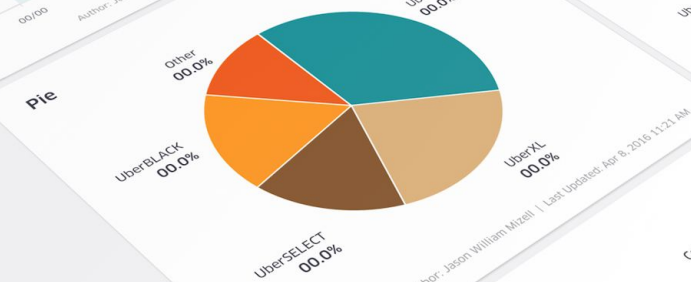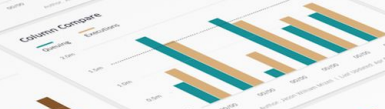
Week 10

Which topic(s) are you most interested in learning about next?

15 responses

Topic	Responses
MongoDB and NoSQL	9 (60%)
Data Visualization with Tableau	11 (73.3%)
Hadoop and MapReduce	5 (33.3%)
Supervised Machine Learning	10 (66.7%)
Computer Vision	5 (33.3%)

Line
UberX | UberPOOL

Line with Multi Series
First Trip | Churn | Reactivation

Column Compare

Radar

Bar Chart
APAC - ANZ
APAC - China
APAC - India
APAC - North
APAC - SEA
Europe - East & MEA
Europe - UKI & Nordics
Europe - West
LatAm
US & Can

Column Stacked
Incentives | Surge Earnings | Organic Earnings

Area - Multi

Waterfall Chart

Area - Percentage
Cash | Non-Cash

Donut Focused
UberX 00.0%

00.0%
00.0%

Area - Cumulative
Event Fees | Event Bookings | Induced Bookings

Donut
Other 00.0%
UberX 00.0%
UberBLACK 00.0%
UberXL 00.0%
UberSELECT 00.0%

Heat Table

Pie
Other 00.0%
UberX 00.0%
UberBLACK 00.0%
UberXL 00.0%
UberSELECT 00.0%

Scatterplot
Overall SnR | Algorithm SnR
100%
75%
50%
25%

Completed Trips
San Francisco
Los Angeles
Tucson
Phoenix
Reno
WA
Honolulu

Bubble
Cluster A | Cluster B | Cluster C
20%

r/dataisugly

40.8k
Subscribers

16
Online

Your home for butchered visualizations!

Accurate

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

Which game(s) have you played the most?
3,994 responses

- Zelda
- The Legend of Zelda: Breath of the Wild
- Breath of the Wild
- BOTW
- Botw
- Breath of the wild
- BotW
- zelda
- Legend of Zelda: Breath of the Wild
- Legend of Zelda
- Zelda BOTW
- BoTW
- botw
- Zelda: Breath of the Wild
- Zelda BotW
- Zelda Breath of the Wild
- The Legend of Zelda
- Breath of The Wild
- The Legend of Zelda Breath of the Wild
- Zelda: BOTW
- Zelda: BotW
- Breath of the Wild
- Zelda breath of the wild
- Breath Of The Wild
- Legend of Zelda Breath of the Wild
- LoZ
- LoZ: BotW
- Zelda botw
- zelda botw
- breath of the wild
- Legend of zelda
- legend of zelda
- LoZ BOTW
- The Legend of Zelda: Breath of The Wild
- The legend of Zelda: breath of the wild
- ZELDA
- Zelda: BoTW

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

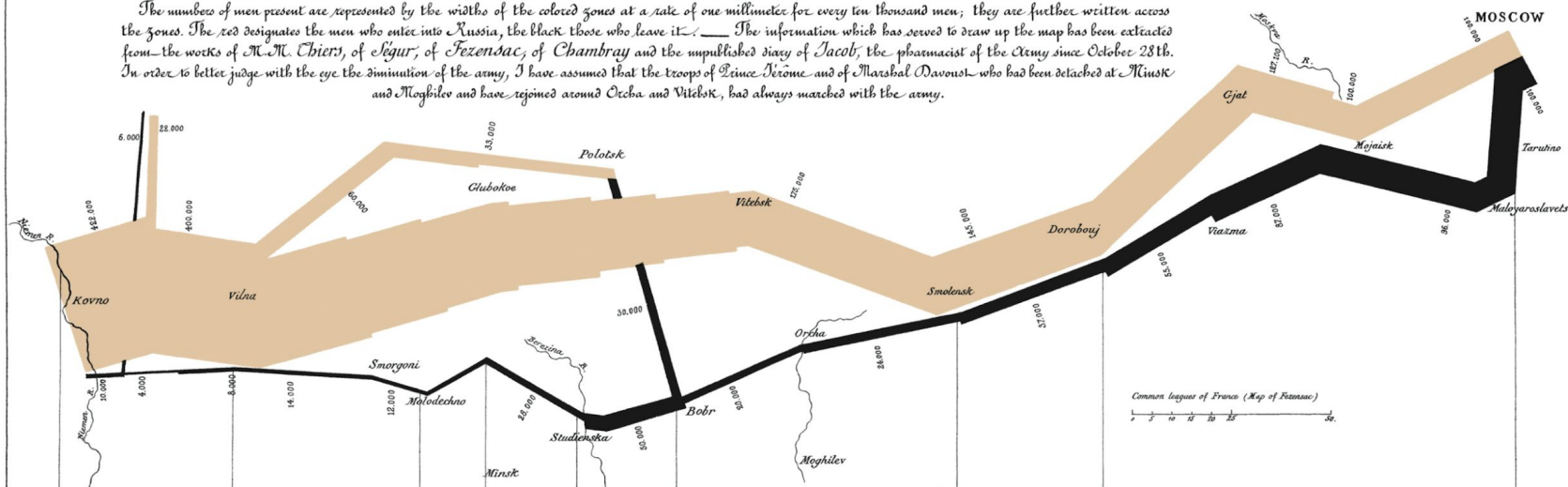LOOKING DOWN ON THE REST OF THE WORLD
(Average male height in m)
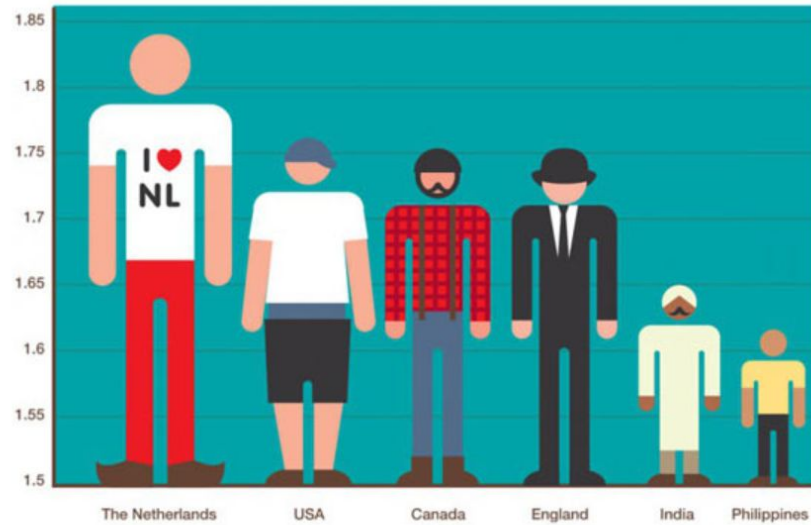
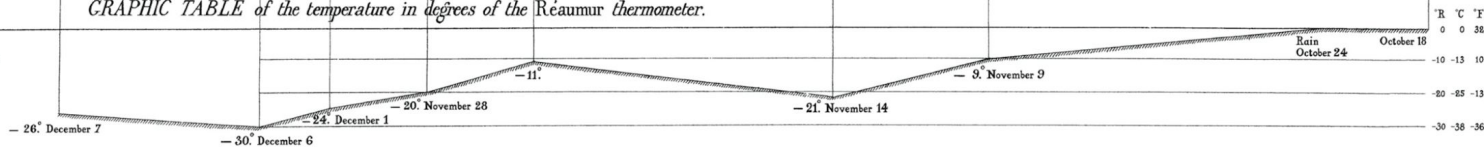# Figurative Map of the successive losses in men of the French Army in the Russian campaign 1812–1813.

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 Mobhilev and have rejoined around Orcha and Vitebsk, had always marched with the army.

MOSCOW

100.000

6.000   22.000

33.000

Polotsk

Glubokoe

Moskva R.

127.200

100.000

Gjat

Mojaisk

Tarutino

60.000

175.000

Vitebsk

145.000

Dorobouj

Viazma

87.000

Maloyaroslavets

Niemen R.   422.000   400.000

Kovno

Vilna

Smolensk

55.000

37.000

36.000

Smorgoni

50.000

Beresina R.

50.000

Orcha

24.000

20.000

Bobr

Molodechno

14.000

12.000

Studienska

50.000

Minsk

Moghilev

Niemen R.   10.000   4.000   8.000   28.000   50.000

Common leagues of France (Map of Fezensac)

0 5 10 15 20 25   50.

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

°R   °C   °F
0   0   32

The Cossacks pass the frozen Niémen at a gallop.

Rain
October 24   October 18

−10 −13 10

− 11.

− 9.° November 9

−20 −25 −13

−26.° December 7

−24.° December 1

−20.° November 28

−21.° November 14

−30 −38 −36

−30.° December 6

Auteg. par Regnier, 8. Pas. Ste Marie St Gain à Paris.

Imp. Lith. Regnier et Dourdet.

roadtolarissa.com

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
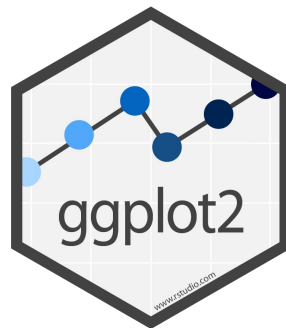- use **consistent graph design**

Graphs that do not meet these goals are not successful

Graphs leading viewers to make misleading conclusions should be avoided
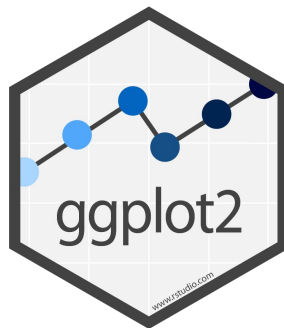
Business
Intelligence
Analyst

Data
Visualization
Engineer

Lines of Code

tinyurl.com/btg-happiness

tinyurl.com/btg-s19-dataviz