# INFOGRAPHICS

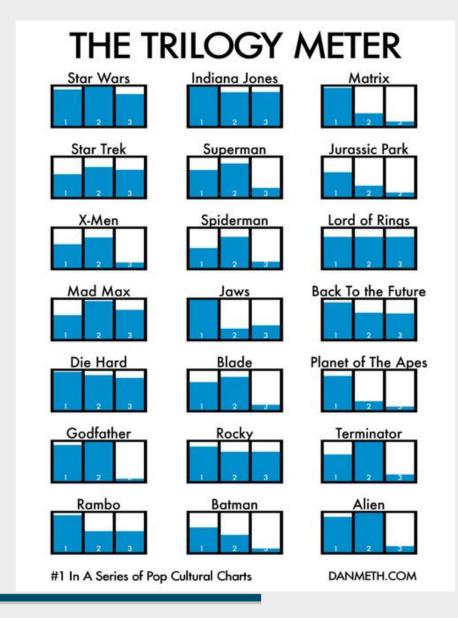
#### INFOVIS VS. INFOGRAPHICS

#### **INFOVIS**

Exploration Confirmation Presentation

#### **INFOGRAPHICS**

Presentation Popularization



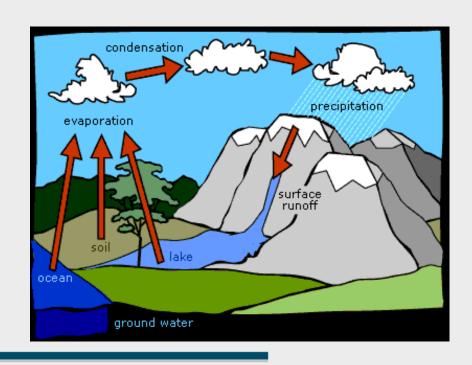
#### **FURTHER DIFFERENCES**

#### **INFOVIS**

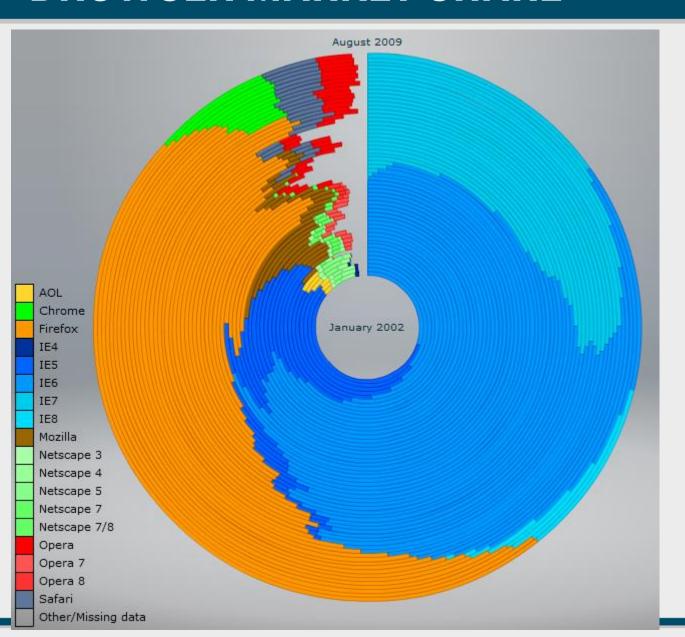
Often requires training Professional usage Truthfulness crucial, aesthetics secondary

#### **INFOGRAPHICS**

No training Public usage Aesthetics important

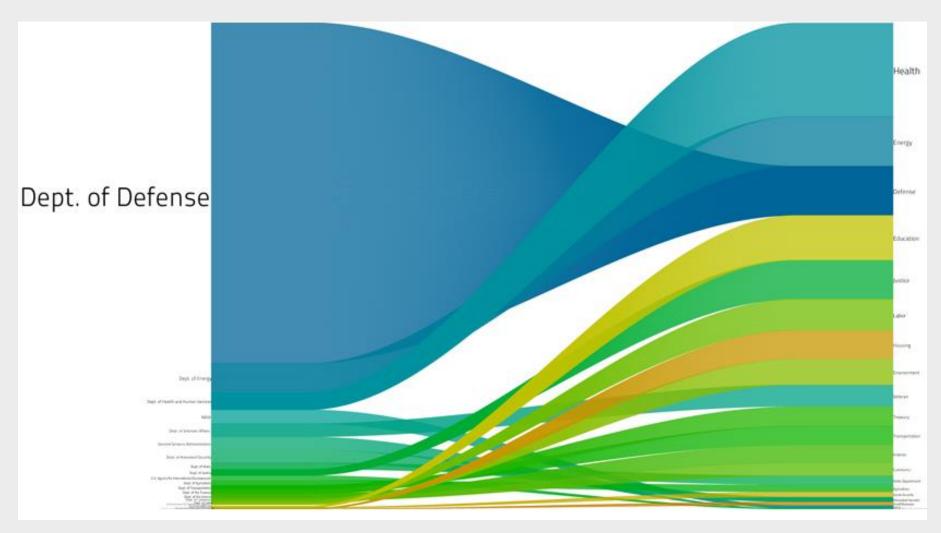


# **BROWSER MARKET SHARE**



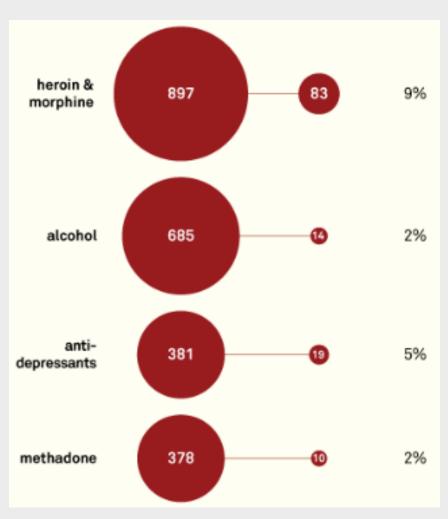
**Everything** OK?

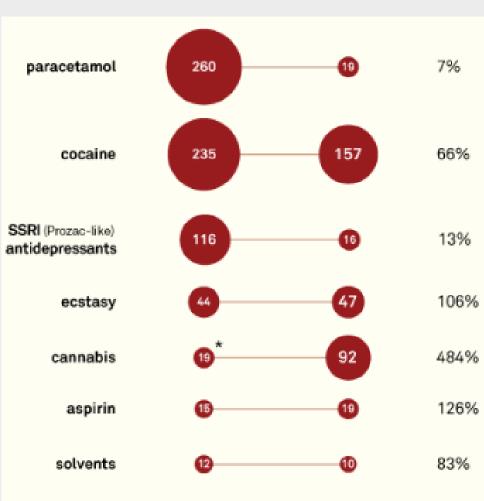
# U.S. FEDERAL SPENDING



**Everything OK?** 

# DEADLIEST DRUGS (OR?)







#### WHAT'S IMPORTANT

AESTHETICS IS IMPORTANT BUT SHOULD NOT COME IN WAY OF READABILITY

CONSISTENCY - IF YOU ESTABLISH A VISUAL LANGUAGE, STICK TO IT IN THE WHOLE PICTURE

CHART JUNK STILL MATTERS

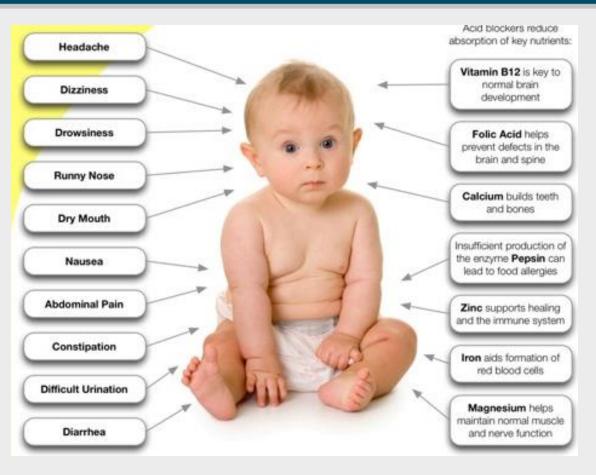
#### **INFOGRAPHICS SHOULD:**

BE DESIGNED BY INFOVIS PEOPLE.

THEN DECORATED BY ARTISTS

NOT BE DESIGNED BY ARTISTS ONLY NEITHER BY PROGRAMMERS ONLY

#### THIS IS FAR FROM INFOGRAPHICS



http://coliccalm.com/PPI-infographic/

What's the use?

Is the visual language consistent?

Absorption reduction is shown in the same way as direct effects

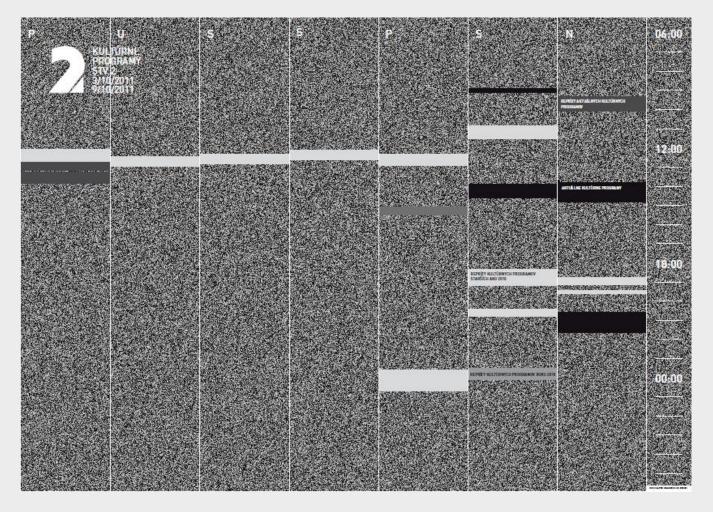
#### **EVEN FARTHER**

MERE TEXT + PICTURES IS NOT INFOGRAPHICS (whatever cute pictures you use)



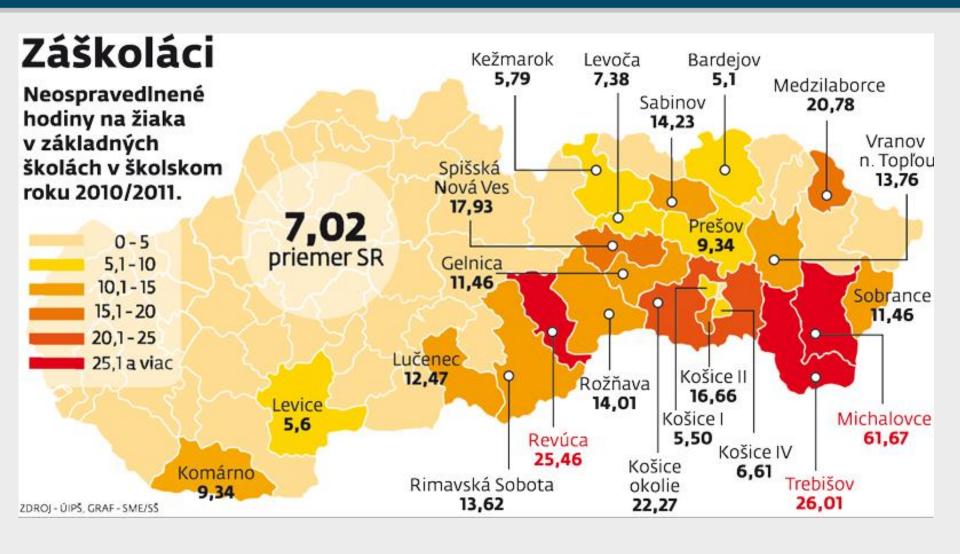
http://www.thelunchtray.com/infographic-on-food-advertising-and-childhood-obesity/

# **ART OVER INFO**

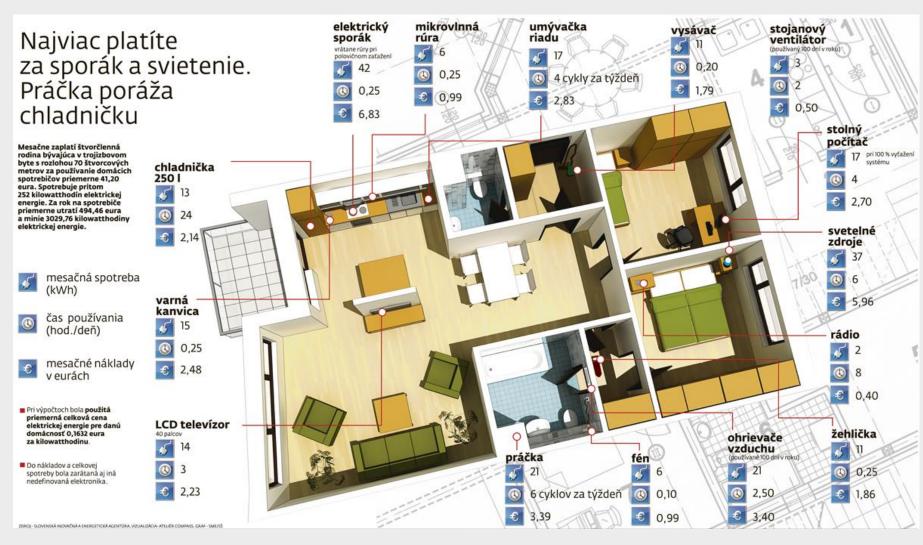


SEE VISIBLEDATA.INFO FOR THIS AND MORE DISASTERS

## MATH OVER INFO

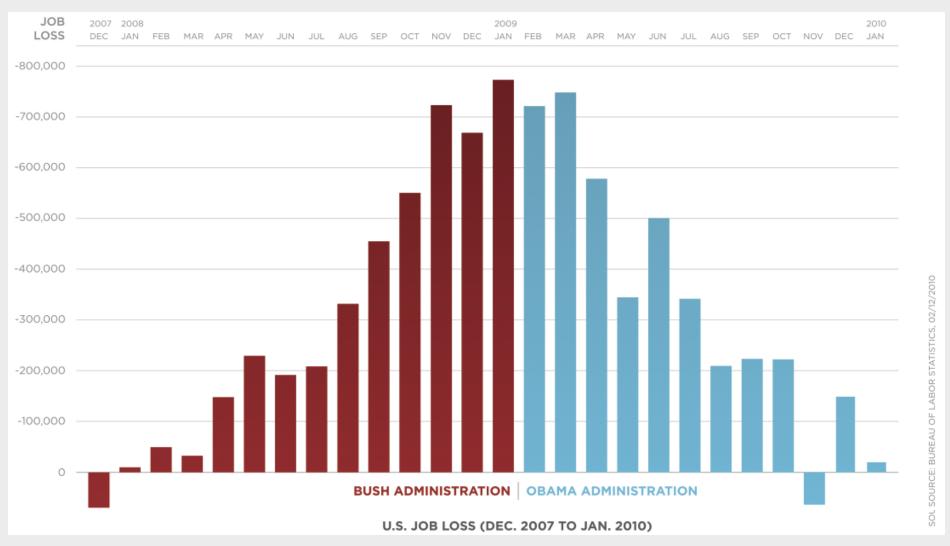


#### **TEXT OVER GRAPHICS**



www.sme.sk/infografika

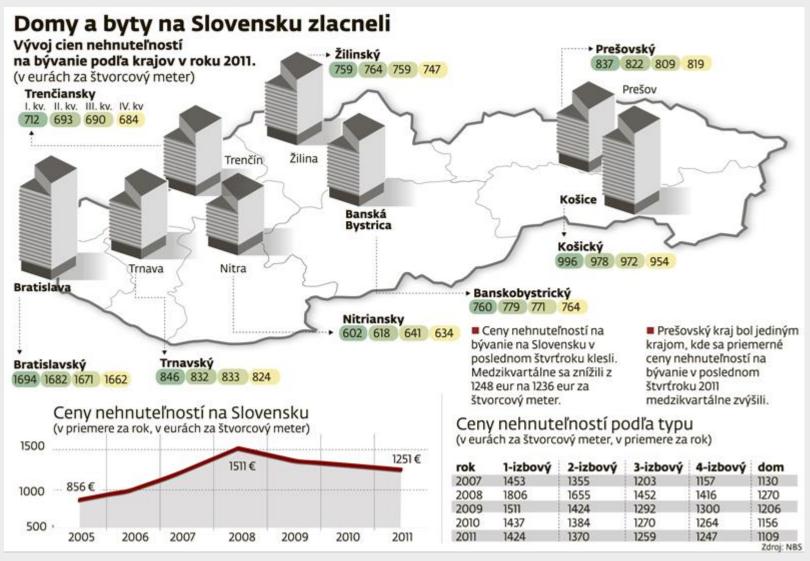
#### PSYCHOLOGY MATTERS



Robert Kosara: The Bikini Chart

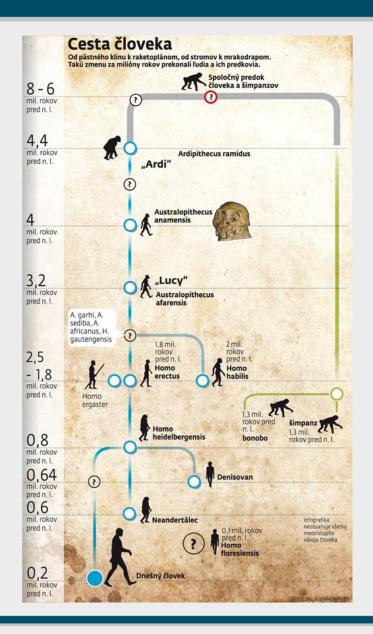
http://eagereyes.org/blog/2012/bikini-chart

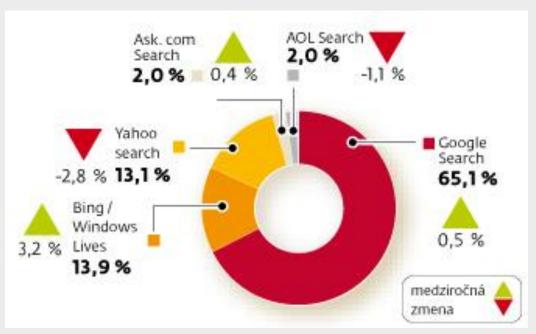
#### **PSYCHOLOGY MATTERS**

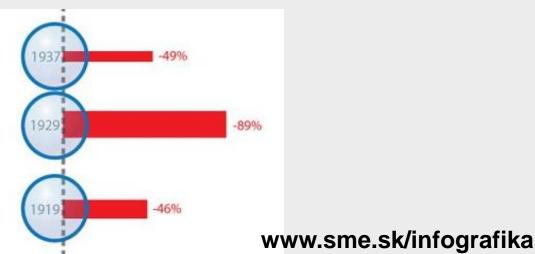


www.sme.sk/infografika

#### DON'T MAKE BASIC MISTAKES







#### AND OF COURSE...

#### CONSIDER THE MEANING OF THE DATA



www.sme.sk/infografika

# COMMON PRINCIPLES AND THEIR USE

#### **QUADRATIC AREA PERCEPTION**



LARGE VALUES DISPLAYED BY AREA, NOT LENGTH

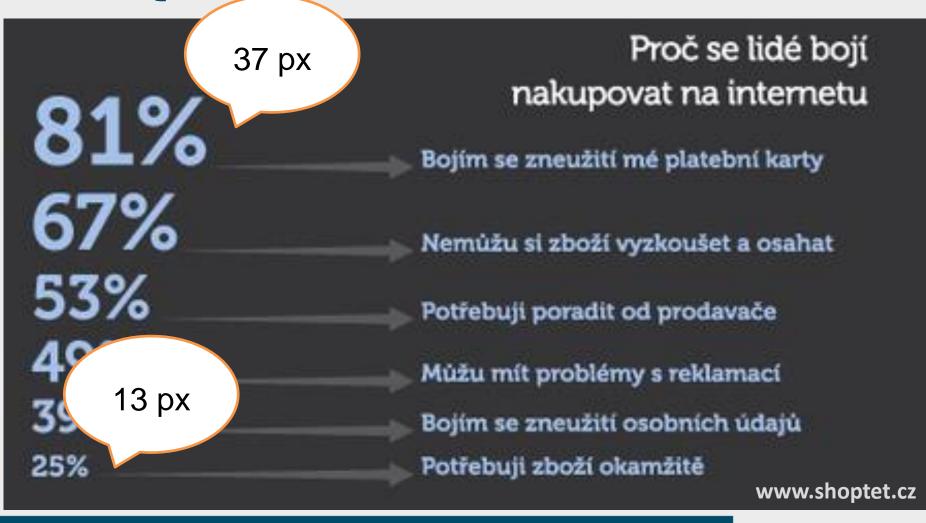
WHAT CAN BE DONE BETTER?

#### **QUADRATIC AREA PERCEPTION**

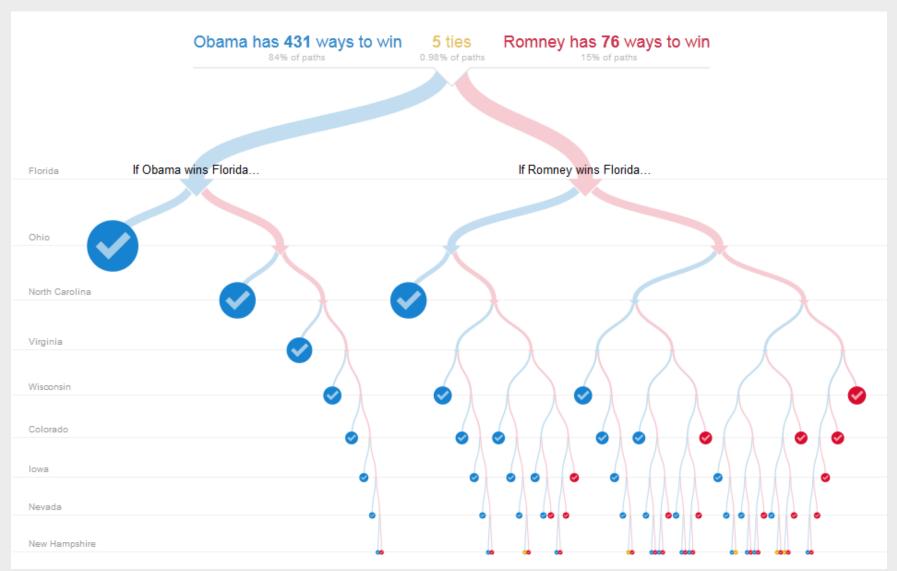


#### FOR FONTS ALSO!

#### MORE QUADRATIC NON-SENSE



#### **COMMUNICATING PROBABILITY**



http://www.nytimes.com/interactive/2012/11/02/us/politics/paths-to-the-white-house.html

#### RATIOS AND VOLUME

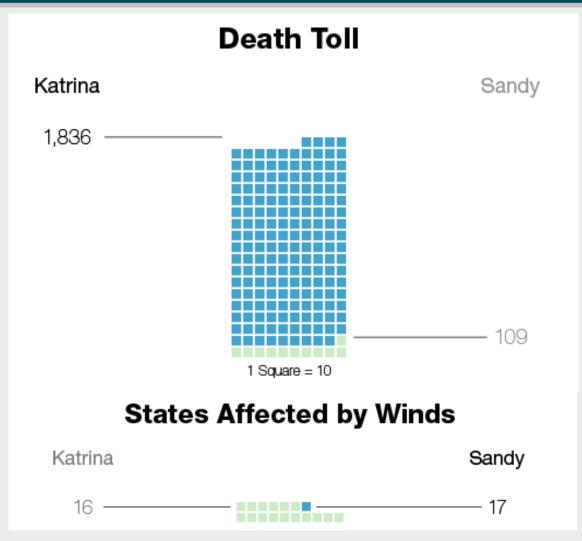


#### **QUESTIONABLE LANGUAGE**

The first instinct is to compare the differently colored areas

It seems to work in the first image

But what about the second?



Remember: PEOPLE DON'T READ!

#### **USING GLYPHS**



#### University Autonomy in Europe 🚱 🚳 🚳 🚭

How autonomous are Europe's universities? Select one of the countries on the right to find out.













**Organizational Financial** 

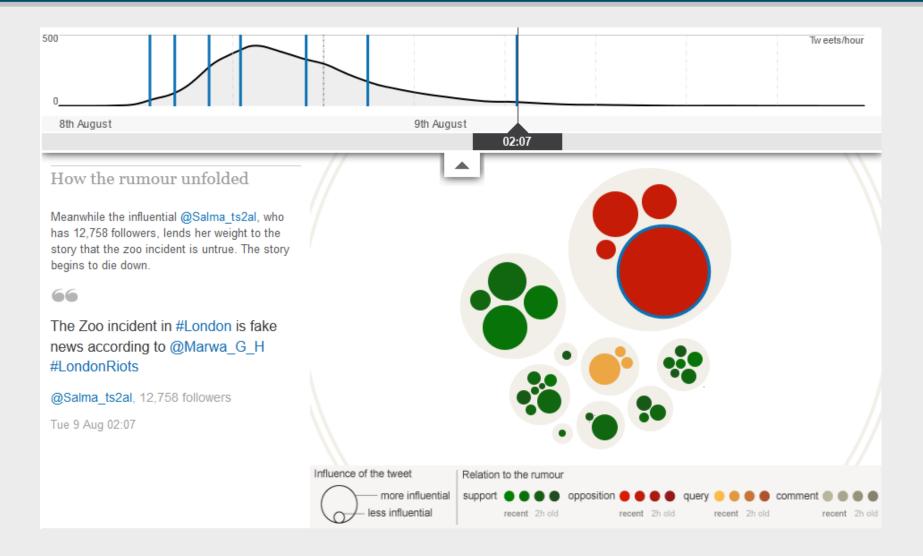
**Academic** 

**Staffing** 

- executive head, governing bodies, legal entities
- type of funding, borrow money, create surplus, tuition fees
- student numbers, admissions, programs, languages
- recruitment, salaries, dismissal, promotion

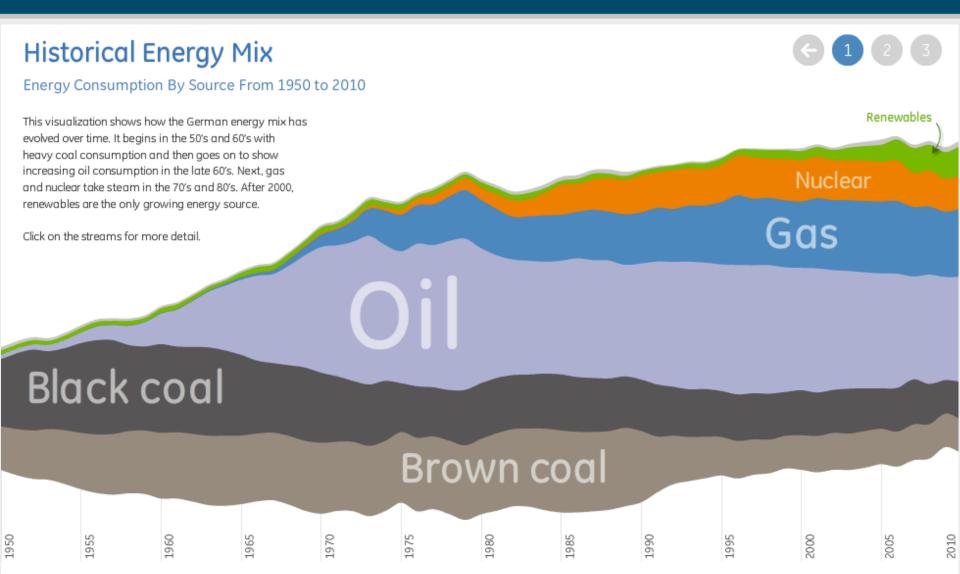


# TEMPORAL DATA / INTERACTIVE GRAPHICS



http://www.guardian.co.uk/uk/interactive/2011/dec/07/london-riots-twitter

## TEMPORAL DATA / STATIC GRAPHICS





#### **MORE SOURCES:**

HTTP://WWW.COOLINFOGRAPHICS.COM

HTTP://VISUAL.LY

HTTP://INFOSTHETICS.COM

HTTP://VISUALIZATION.GEBLOGS.COM

HTTP://WWW.VISUAL-LITERACY.ORG

HTTP://JUNKCHARTS.TYPEPAD.COM/

HTTP://WWW.STORYTELLINGWITHDATA.COM/

TOOLS:

http://selection.datavisualization.ch

AND REMEMBER: GARBAGE IN, GARBAGE OUT