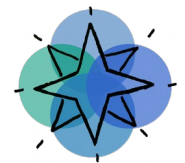


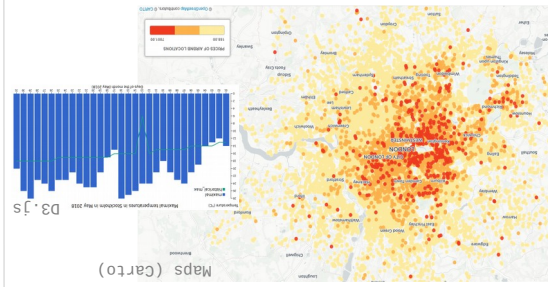
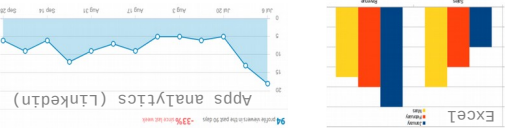
# Data Viz is magic!

And you can unleash its power



@EleonoreMayola  
Elle-est-au-nord.com  
#datazine

**Data visual[s]ation or "data viz"** is a visual representation of data to communicate information efficiently



## What?!

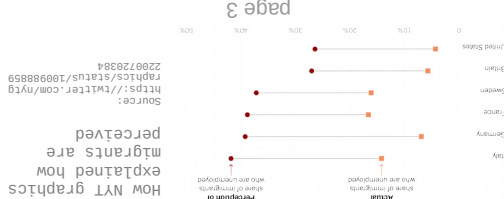
## Resources

- https://en.wikipedia.org/wiki/Data\_visualization
- <http://daydreamingnumbers.com/blog/visual-perception-data-visualization/>
- <http://daydreamingnumbers.com/blog/preattentive-attributes-example/>
- The New York Times graphics <https://twitter.com/nytimesgraphics/>
- Gapminder <http://ft.co/06ZeikpKg3>
- Inspiration: projects exhibited at "1-2-3 Data" at EDF Foundation in Paris <https://123data.paris/collection>
- Web viz: The Refugee Project by Hyperakt (<http://www.therefugeeproject.org/>) | Movie Galaxies (<http://moviegalaxies.com/>)
- 3D viz: Mapping trees density (<https://www.youtube.com/watch?v=jqdOkXQngw8>) | Population lines (<http://spatial.ly/2014/08/population-lines/>)
- Hand-drawn data viz: Mona Chalabi (<https://www.instagram.com/monachalabi/>), Stefanie Posavec (<https://www.instagram.com/stefpos/>)
- Physical viz: Domestic data streamers (<https://www.instagram.com/domesticdatastreamers/>) | Tele-present water (<http://www.dwbowen.com/telepresentwater>)

## Why??

- our visual perception is **selective**
- our **eyes** are drawn to **familiar patterns**
- our working memory is **limited**

A "good" data viz:  
 x Highlights important information to draw the viewer's attention  
 x Gets the viewer to memorise more complex information



Traditional media like are more than ever relevant to efficiently get information across to people

## Hand-drawn viz

Designer, artist and author Stefanie Posavec has received awards for a hand-drawn data project

DATA can be found everywhere, in EVERYTHING.

Data journalist at the Guardian Mona Chalabi is known for compelling data driven illustrations

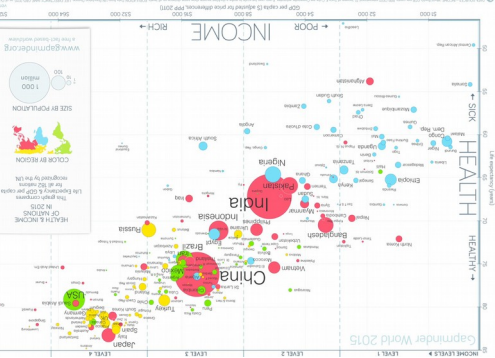
## Physical viz

Tele-present water  
Reproduction of wave movements from sensor in the Pacific Ocean

Data strings  
Visitors participate in both the data collection and the visualisation by pulling the thread

## How?

- Form (length/width, shape, size)
- Colour (hue, intensity)
- Spatial Position
- Movement



## Inspiration Web viz (interactive)

We get most of our news through a screen. Interactive maps or graphs more than ever relevant

Moviegalaxies visualises the social graph in movies

## 3D viz

3D and Virtual/Augmented Reality are new media for innovative ways of communicating information

Population Lines

- What?! page 2
- Why?? page 3
- How? page 4
- Inspiration page 5
- Resources page 7