

Overview

Day	1
Name	Homework #1 - How and Why ?
Skills	literacy, critical overview
Time	~ 1 hour
Submission	Via Moodle <i>any kind of submission (text, drawing ..) and file (.doc, .pdf ...)</i>

Practice

1 - Choose one visualisation you like or find interesting from the following source or from somewhere else

- [Kantar Awards](#) (you can filter on topics)
- [Our World in Data](#)
- [The New York Time - What's going on with this graph](#)
- [The Pudding](#)

NB : you need to submit your answers for **at least one chart**.

If you want to do it for one or two more, I will look at it and it will also be used for your grade. It can help to practice for more than one chart, but **there will be no difference in grading whether you do this homework for one or more visualisations**.

Warning : a link to the visualisation(s) you chose is mandatory in your submission

2 - How ? How do you think this chart/visualisation was made ?

Encoding

Reference one the class slides : D1.1 / Slide 13 - 14

List the variable represented in the visualisation :

- Name
- Variable type (*numerical, categorical ...*)

How have they been encoded ? What are the chosen visual variables ? List each (data) variable and its corresponding visual variable (*position, size ...*)

Chart choice

Reference one the class slides : D1.2 / Slide 14 - 16

- What is the type(s) of chart(s) used in this visualisation ? You can go back to [from data to viz](#) if you need.
 - If it's a type of graph you did not find elsewhere, how could you explain it ? Is there similarity with other chart types you know ? If you would need to give it a name, what would it be ?
- Did you see this chart type(s) before ?
- What kind of functions this chart type(s) serve ? (*distribution, correlation, ranking, part to a whole ...*) You can go back to [from data to viz](#) if you need.
- Can you translate the graph in one sentence ? Is there a main message here ?

3 - Why ? What do you think are the goal(s) of this chart/visualisation ?

Reference one the class slides : D1.1 / Slide 31 - 39

Looking back at visualisation goals from Lisa Rost, what do you think this visualisation is trying to achieve ?

- What would be a rough estimate of % per goal (*Attention & Beauty, Understanding, Implication*) ?

- For each goal that you identified, can you precise the sub-goals that you think are involved here ? (*example : Attention & Beauty : 1. get them to read, 2. attract different learning type*)
- Can you give a bit of detail on why you think so, and how you think those goals were achieved in this visualisation ? (a little paragraph or more is awaited here)

4 - Reflect

Do you feel different towards the visualisation you chose, now that you answered questions about encoding, chart type and its goals ? Why ?

(a little paragraph or more is awaited here)

Do you think this thinking process can help you build better visualisation ? Why ?

(a little paragraph or more is awaited here)