Peer-graded Assignment: Graphics Lies, Misleading Visuals

Submit by February 10, 11:59 PM PST

Important Information
It is especially important to submit this assignment before the deadline, February 10, 11:59 PM PST, because it must be graded by others. If you submit late, there may not be enough classmates around to review your work. This makes it difficult - and in some cases, impossible - to produce a grade. Submit on time to avoid these risks.

ⓘ It looks like this is your first peer-graded assignment. Learn more ×

Instructions

My submission

Discussions

Week 1 - Assignment 1

Read Alberto Cairo's work, Graphics Lies, Misleading Visuals

Locate an example of a misleading visual that uses one or more of the mechanisms for misleading that Cairo outlines in his book chapter: (1) Hiding relevant data; (2) Displaying too much data and obscuring reality; (3) Distorting data through visual forms.

Please upload an image of this visual using a widely accessible graphic format (e.g., PDF, .jpg, .png)

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Bad visual example

Bike vs Car usage visual

Briefly describe the context for the visual by addressing the following questions:

1. What is the source of the visual? (e.g., URL or bibliographic citation)

2. Who is the intended audience (i.e., decoders)? How do you know this?

B I Link

1. News URL: https://www.bbc.com/news/world-asia-china-46602785
Visual URL

2. This visual was intended for news readers, as it's from the BBC news.

1. Identify the specific component(s) of the visual that is/are misleading

2. For each part(s) of the visualization that is/are misleading, identify the mechanism that is used: hiding relevant data to highlight what benefits us; displaying too much data to obscure reality; using graphic forms in inappropriate ways (distorting the data)

3. Explain how the mechanisms are used to mislead

B I Link

1. Apart from the bars being wrong, they are comparing the number of total bicycles in 1978 against just the number of shared bikes in 2018.
2.
a) Bars are wrong, as the 5.6M Bicycle's bar in 1978 is greater in length than the 8.54M Car's bar in 2018. (using graphic forms in inappropriate ways (distorting the data))

b) Total bicycles in 1978 were compared to the number of shared bikes in 2018. (hiding relevant data to highlight what benefits us)

c) Also, we have no idea what happens between 1978 and 2018. Perhaps the designer was trying to deceive us. (using graphic forms in inappropriate ways (distorting the data))

3. As stated above, bars in this visual are wrong, as the 5.6M Bicycle's bar in 1978 is greater in length than the 8.54M Car's bar in 2018. (using graphic forms in inappropriate ways. Also, it's not a fair comparison if we compare total bicycles in 1978 to the number of shared bikes in 2018. And finally, we have no idea what happens between 1978 and 2018. Perhaps the designer was trying to deceive us. (using graphic forms in

Optional: Describe any additional issues you found with visual that did not fall under Cairo's three misleading mechanisms.

I, **Mohammad Zain Abbas**, understand that submitting work that isn't my own may result in permanent failure of this course or deactivation of my Coursera account.

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