

Principles of Information Visualization

Assignment 1

📖 **Reading:** Graphics Lies, Misleading Visuals
10 min

✅ **Peer-graded Assignment:** Graphics Lies, Misleading Visuals
2h

✅ **Review Your Peers:** Graphics Lies, Misleading Visuals

Peer-graded Assignment: Graphics Lies, Misleading Visuals

🕒 It looks like this is your first peer-graded assignment. [Learn more](#)



Instructions

My submission

Discussions

Analyzing Misleading Visuals

Submitted on February 20, 2020

[Shareable Link](#)

PROMPT

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.

RUBRIC

Has the learner uploaded a visual?

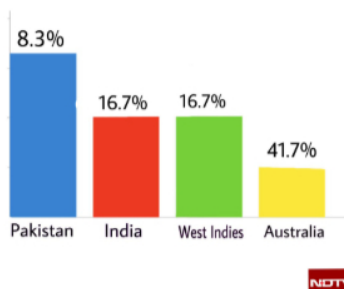
- ☐ 0 points
No
- ☒ 1 point
Yes



using a widely accessible graphic format (e.g., PDF, .jpg, .png)

Number of Cricket World Cups in Percentage

Teams with World cup titles



PROMPT

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?

RUBRIC

Did the learner provide the source of the visual?

- ☐ 0 points
No



The intended audience of this visualization are Cricket Enthusiasts, as well as Sports Analysts. I know this because it's a world cup game statistics for Cricket Game, and chances are Cricket Enthusiasts are interested on this for them to be informed what's the game standing of their country. Might as well, Sports Analysts can be a target audience as they can use the information shown to them to perform a better data analysis as part of their job.

Did the learner identify the intended audience? Did they provide an explanation of how they know who the intended audience is?

- ☐ 0 points
The learner did not identify the intended audience.
- ☐ 2 points
The learner identified the intended audience, but did not provide an explanation.
- ☒ 4 points
The learner identified the intended audience and they provided an explanation of how they knew who the intended audience is.



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

The visual misleads it's target audience by truncating the y-axis as well as using a colorful effect on the bars, thus creating an illusion that Pakistan is the highest achiever among the rest at the first glance. Adding with that, the percentage labels are misleading because it does not match the height of the bars. It also hides other countries that has also won this game (you can view the [list here](#) if you're interested), this creates a misleading intuition that only four countries are actively participating the Cricket World Cup Game.

Did the learner identify one or more specific components that is/are misleading?

- ☐ 0 points
No
- ☒ 3 points
Yes



For each component of the visual that the learner identified as misleading, did the learner identify the mechanism that was used to mislead?

- ☐ 0 points
No
- ☒ 3 points
Yes



Did the learner explain how the mechanisms were used to mislead?

- ☐ 0 points
No
- ☒ 3 points



PROMPT

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

RUBRIC

Optional: If the learner described additional issues and you would like to provide feedback on their comments, please do so here.



Nikita Menshenin

NA



T. Robert Yu

no additional issues



Justin Gibson

None

[Edit submission](#)

Comments

Comments left for the learner are visible only to that learner and the person who left the comment.



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