

Visualization Critique

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Due Jan 21 by 11:59pm **Points** 10 **Submitting** a file upload
File Types pdf, doc, and zip **Available** Jan 14 at 12am - Jan 22 at 11:59pm 9 days

Assignment 0: Visualization Critique

In this assignment, you will be looking for visualizations “in the wild” (in books, newspapers, magazines, on the internet, etc.). Specifically, you will be looking for two visualizations – one that you like, and one that you dislike. For the visualization that you like, you need to express why you like the visualization (what is it that makes the visualization good). For the visualization that you dislike, you need to provide a critique, as well as design a better alternate visualization.

Basic Requirements.

1. Find two visualizations in the wild:

- One that you like
- One that you do not like
- For the visualization that you like, provide a description of what makes the visualization good.
- For the visualization that you dislike, explain why you dislike it.
- Also, for the visualization that you dislike, design an alternate visualization that is better than the original.
- Explain your design and what problem(s) your design addresses.

What is NOT Required.

We encourage you to explore various graphing tools for your alternate design (e.g., Plot.ly, ggplot, Tableau, Vega Lite, etc.). You are not required to use the same dataset.

For some designs, it may be difficult to generate them using a computer. You are free to draw the visualization by hand, **with our permission**. Send a private Piazza note if you believe your design falls into this category. If you choose to draw the visualization by hand, you are required to scan it into a computer and submit the drawing digitally. If you choose software, we strongly encourage you to explore tools that won't be covered in the course.

You may use limited parts of code found online, provided its license allows you to re-use it. Remember to cite your sources.

Submission.

Submit your work by Monday, January 21, 2019, 11:59 pm. Use the naming convention: "FirstnameLastname_a0" (e.g., AlvittaOttley_a0). Please rename the folder **before** compressing it.

Need Help?

If you have questions about this assignment:

1. First, check Piazza to see if others have had a similar problem.
2. If not, post your question on Piazza.
3. If the question is sensitive, post a private question on Piazza.
4. Note that you are NOT allowed to post source code or solutions on Piazza – we will monitor the forum and delete any inappropriate posts. Fishing for programming solutions could result in a penalty toward your grade.

Assignment 0				
Criteria	Ratings			Pts
Good Visualization 0: No Submission 1: Choice is weak, or your reasoning does not convince us 2: Choice is sound, and you clearly articulated why	2.0 pts Full Marks	1.0 pts Some Marks	0.0 pts No Marks	2.0 pts
Bad Visualization 0: No Submission 1: Choice is weak, or your reasoning does not convince us 2: Choice is sound, and you clearly articulated why	2.0 pts Full Marks	1.0 pts Some Marks	0.0 pts No Marks	2.0 pts
Re-design 0: No Submission 1: Re-design does not follow design principles. 2: Re-design follows design principles and addresses issues of the bad visualization 3: Reserved for especially creative or aesthetic re-design	2.0 pts Full Marks	1.0 pts Some Marks	0.0 pts No Marks	2.0 pts
Total Points: 6.0				