

Data Visualizations

Adrianna Holden-Gouveia

Website: <https://aholdengouveia.name>

in: aholdengouveia

📧: aholdengouveia

Objectives:

1. Learn how to create and evaluate data visualizations

Complete the following problems

References, a video, a PowerPoint and some notes are available at my website
<https://www.aholdengouveia.name/AdvData/Datavis.html>

Use an AI to create some visuals

Use an AI to create 3 visuals for the data you've been working with this term. You'll be using the attached checklist to evaluate them. For each of the 3 visualizations, please answer the following questions.

1. Why was this style (chart, graph, etc) picked do you think?
2. Do you think another would have been better? Why?
3. Using the checklist, evaluate the visualization on all 7 points. If any points aren't relevant, make a note of why not.
4. How does this data help illustrate a point? And what is the point of it?
5. How much expertise in the data do you think someone would have to have for this visualization to be useful?

6. What annotations are used, and are they the right ones? If no, what should have been used?

Create some visuals yourself

Create 3 visuals for the data you've been working with this term. You'll be using the attached checklist to evaluate them. For each of the 3 visualizations, please answer the following questions.

1. Why was this style (chart, graph, etc) picked do you think?
2. Do you think another would have been better? Why?
3. Using the checklist, evaluate the visualization on all 7 points. If any points aren't relevant, make a note of why not.
4. How does this data help illustrate a point? What point are you trying to illustrate?
5. What annotations were used and why?

Deliverables

A text document that contains the answers to both the AI created visuals and the ones you made yourself. Make sure you are including the answers and checklist for EACH visualization. So there will be 6 sets of answers and 6 checklists in total.