

Response Summary:

Critique Worksheet

Goal: evaluate visualizations created for a visualization project

Objectives: Students will seek feedback from colleagues on how well the visualizations address their questions

Outcomes: Feedback will be provided on the visualization to determine if the visualizations provide insight for their questions

1. Student Information *

First Name	Elliot
Last Name	Smith
Major	Data Science
Course (e.g. CGT 270-001)	CGT 27000
Term (e.g. F2019)	F2022

Q71. Select YOUR team name.

- Pizza Elevator

2. Email Address *

(University Email Address is required.)

smit4314@purdue.edu

3. Visualization Assignment *

- In-class Assignment

Q69. Select the name of the Team you are providing a critique for. DO NOT select your team name.

- CSV

Q70. What is the email address of the team leader of the team you are providing a critique for? (Enter the Purdue Email address)

crebong@purdue.edu

6. How many visualizations are you critiquing? *

- Three

7. Question 1:

Which countries consume the most fossil fuel generated electricity per capita?

8. Question 2:

How has Electricity consumption changed during the pandemic?

9. Question 3:

What is the Annual Global Temperature from 2015-2021?

Critique Question #1

Which countries consume the most fossil fuel generated electricity per capita?

10. Who is the intended audience? *

The audience is local government officials for each of the countries and world leaders.

Evaluate View 1

11. Does the visualization in View 1 answer the question? Explain *

Yes, it answers the question and provides useful insight into which countries consume the most fossil fuel generated electricity per capita.

12. Is the visualization in View 1 appropriate for the intended purposes/audience? Explain *

Yes, and it shows a change through time that is very useful for the audience and the purpose that this has.

13. Is the visualization in View 1 effective? Explain *

Yes, this is effective and it gets the point of the data across and it does a good job answering the question.

14. Is the visualization in View 1 the right chart type? *

I think that the line graph is good for this question because it shows change through time and that is what we need for this question.

15. List one thing that is done well in View 1. *

The legend was a good choice to use for this visualization because it helps to show the countries. The data labels were also a good choice.

16. List one thing that could be done better in View 1. *

The labeling of the data could have been better because there could have been data labels for all of the years or they could have just put it on the last year or none of the years. I think that the y-axis label could have also been better.

17. Recommendations for refining View 1. *

I think that the y-axis label could be changed or clarified to be more accessible for the reader, and I think that the data labels need to be changed so that they are either present for all of the years or just the most recent year or for none of the years.

Evaluate View 2

18. Does the visualization in View 2 answer the question? Explain *

N/A No view

19. Is the visualization in View 2 appropriate for the intended purpose/audience? Explain *

N/A No view

20. Is the visualization in View 2 effective? Explain *

N/A No view

21. Is the visualization in View 2 the right chart type? *

N/A No view

22. List one thing that is done well in View 2. *

N/A No view

23. List one thing that could be done better in View 2. *

N/A No view

24. Recommendations for refining View 2. *

N/A No view

Critique Question #2

How has Electricity consumption changed during the pandemic?

25. Who is the intended audience? *

The intended audience would still be the local government officials for these countries, or it could also be people in these countries or those who care about making the world better.

Evaluate View 1

26. Does the visualization in View 1 answer the question? Explain *

Yes, this answers the question about how electricity consumption changed during the pandemic because it does a great job showing the years and it also has the change in electricity consumption.

27. Is the visualization in View 1 appropriate for the intended purposes/audience? Explain *

Yes, this answers the question about how electricity consumption changed during the pandemic because it does a great job showing the years and it also the change in electricity consumption. It is very useful for the audience that would be seeing this because it offers a lot of insight into the data.

28. Is the visualization in View 1 effective? Explain *

Yes, this visualization is effective because it does a great job answering the question and it does it in a very efficient manor.

29. Is the visualization in View 1 the right chart type? *

Yes, I think that the line graph is a good chart type for this information because it shows a change over time.

30. List one thing that is done well in View 1. *

It does a great job showing the change over time, and it highlights the change over the covid years which is important.

31. List one thing that could be done better in View 1. *

The right side of the graph looks and feels very cramped, and I think that all of the data labels could have been better places or resized so that they would be easier to read and understand.

32. Recommendations for refining View 1. *

I think that they could remove the data labels or make them more clear in some way for the data, and they could make the y-axis label more clear and they could explain what KWHs are.

Evaluate View 2

33. Does the visualization in View 2 answer the question? Explain *

N/A no visualization

34. Is the visualization in View 2 appropriate for the intended purpose/audience? Explain *

N/A no visualization

35. Is the visualization in View 2 effective? Explain *

N/A no visualization

36. Is the visualization in View 2 the right chart type? *

N/A no visualization

37. List one thing that is done well in View 2. *

N/A no visualization

38. List one thing that could be done better in View 2. *

N/A no visualization

39. Recommendations for refining View 2. *

N/A no visualization

Critique Question #3

What is the Annual Global Temperature from 2015-2021?

40. Who is the intended audience? *

The intended audience is any person that cares about the world and about the temperature that the world is living in. This could also be towards world and local leaders because they are capable of making the changes.

Evaluate View 1

41. Does the visualization in View 1 answer the question? Explain *

Yes, this answers the question because it shows all of the annual global temperatures for each of the years from 2015-2021 so it does a good job answering the question.

42. Is the visualization in View 1 appropriate for the intended purposes/audience? Explain *

Yes, this is very appropriate because it shows the audience the changes in temperature every year and it also gives insight into the data so that the audience can understand and make the changes they need to make so that they can improve the world.

43. Is the visualization in View 1 effective? Explain *

Yes, the visualization is effective because it shows the change in temperature over the specified years.

44. Is the visualization in View 1 the right chart type? *

I think that this is an effective chart type, but I think that if they used a line graph that would have also worked to show the change over time.

45. List one thing that is done well in View 1. *

One thing that is done well is all of the labeling and the titling of the graph, because it is very clear.

46. List one thing that could be done better in View 1. *

One thing that could be done better would be the removal of the legend because it is not very informative and I think a subtitle to inform the reader of how it affects the topic at hand.

47. Recommendations for refining View 1. *

I think that they could make the changes that we specified in the above question and I feel like they might be able to use some different colors to help create insights into the data.

Evaluate View 2

48. Does the visualization in View 2 answer the question? Explain *

N/A no visualization

49. Is the visualization in View 2 appropriate for the intended purpose/audience? Explain *

N/A no visualization

50. Is the visualization in View 2 effective? Explain *

N/A no visualization

51. Is the visualization in View 2 the right chart type? *

N/A no visualization

52. List one thing that is done well in View 2. *

N/A no visualization

53. List one thing that could be done better in View 2. *

N/A no visualization

54. Recommendation for refining in View 2. *

N/A no visualization
