

Response Summary:

1. Student Information *

First Name	Connor
Last Name	Colbert
Major	Game Development and Design
Course (e.g. CGT 270-001)	CGT 270
Term (e.g. F2019)	SP2022

2. Email Address *

(University Email Address is required.)

colberj@purdue.edu

3. Visualization Assignment *

- Lab Assignment

4. How many questions have refined views?

- Two

5. Question 1

What are the min, max, and average values across the different types of Pokemon?

6. Question 2

How do Attack and Defense correlate with Special Attack and Special Defense?

Question 1: *

What are the min, max, and average values across the different types of Pokemon?

Create

8. Refined Figure 1 for Question 1: provide a revised version of Figure 1 that answers Question 1 from the MINE worksheet. Include a Figure caption and follow the Data Visualization Check List and Best Practices for creating visualization. *

Please upload a .jpeg file

[\[Click here\]](#)

9. In the space below, list the changes made to Figure 1

Changed colors to be more clear and sorted by average combined (total) stats (averaged across types).

10. Refined Figure 2 for Question 1: provide a revised version of Figure 1 that answers Question 1 from the MINE worksheet. Include a Figure caption and follow the Data Visualization Check List and Best Practices for creating visualization. *

Please upload a .jpeg file

[\[Click here\]](#)

11. In the space below, list the changes made to Figure 2

Changed colors to be more clear and removed the color legend (In making the colors more visible, I had to change the endpoints of the gradients so that the data wouldn't reach the white color. This made the legend somewhat misleading as it made it appear as though there were smaller minimums than there actually were).

Question 2: *

How do Attack and Defense correlate with Special Attack and Special Defense?

Create

12. Refined Figure 1 for Question 2: provide a revised version of Figure 1 that answers Question 1 from the MINE worksheet. Include a Figure caption and follow the Data Visualization Check List and Best Practices for creating visualization. *

Please upload a .jpeg file

[\[Click here\]](#)

13. In the space below, list the changes made to Figure 1

I removed the bar comparison with lines as the data is not gathered by time and it somewhat misrepresents the correlation. With organizing the data like this, the correlation is seen to be much more negligible as it was previously. I Also changed the colors from blue and orange to two different shades of blue. I chose these colors as it provided a better visual appeal in this format and because "Attack" and "Special Attack", while different data categories, are still related. Lastly, I edited the title to more accurately represent the data and give the viewer context for the legend and column names.

14. Refined Figure 2 for Question 2: provide a revised version of Figure 1 that answers Question 1 from the MINE worksheet. Include a Figure caption and follow the Data Visualization Check List and Best Practices for creating visualization. *

Please upload a .jpeg file

[\[Click here\]](#)

15. In the space below, list the changes made to Figure 2

I did all of the same edits to this visualization as I did to the "Attack X Special Attack" visualization; however, I changed the color to two shades of green instead to set it apart from the other (and I feel green is more associated with defense). With this edit, it became much more clear that there was a strong correlation between a Pokemon's defense and special defense when compared to the previous visualization of the same data.
