

A4 - Peer Review critiques

Critique 1: Group 14

Link: <https://mariimao.github.io/csc316-a4/>

Feedback on visual encodings:

I really like how unique and visually appealing the flower visualization is. The colors chosen are really nice, but it's not too intuitive to understand what each petal color and size represents because there's currently no legend. It would be nice to add a legend for the petal colors and sizes, so users could interpret the data more intuitively. The other bubble view with option filters works really well.

Feedback on interaction and animation techniques:

I think the flower visualization could be improved by adding more interactivity, such as adding a filter to highlight specific meal options like highlighting all green petals for vegan options. The transition between the two views currently feels like navigating two separate pages because they have different backgrounds and color schemes. It would be nice to put the visualizations on a single page and add a button to transition between views smoothly.

Feedback on design quality:

Overall, I really like that there are two distinct views for exploring the data, the flower and the bubble visualization, and that the page layout is visually appealing. I think the two visualizations just need to be merged into a single page, and adding legends along with some CSS improvements would make the design more intuitive and engaging.

Critique 2: Group 6

Link: <https://mairara.github.io/index.html>

Feedback on visual encodings:

I like the color choices in the bubble chart and how the bubble size clearly shows each artist's popularity. The visualization is easy to interpret but it would be nice to add a legend showing which color represents which genre. I think the color choices for individual artist bar charts could be improved, for example instead of using the rainbow spectrum, using a single color gradient to indicate popularity would make it easier to see the changes.

Feedback on interaction and animation techniques:

I like how there are multiple views, such as the bar chart and spinning disk, and that navigation between them is very smooth. I find that hovering on a bubble to see details about a specific

artist and interacting with the bar chart to explore their songs is very engaging. One suggestion I have for the spinning disk animation is to make it spin only when the song is playing so that it is clear which song is currently playing when there are multiple tracks.

Feedback on design quality:

Overall, I really like how visually appealing and organized all the views are. I think the initial bubble chart could be less crowded because many bubbles overlap so they are harder to read. It would also be good to clean up the dataset a bit and merge similar categories, for example, korean and k-pop can be merged as one, and CSS can also be added to the back button to make it more noticeable.

Critique 3: Group 29

Link: <https://ahk9.github.io/Coffee-Sleep-Pixel-Explorer/>

Feedback on visual encodings:

I really like how the color choices match the coffee theme, and representing each data point as a pixel works really well to fit all the data in a bar. I think it would be easier to interpret the trends if the data were sorted by coffee intake to better highlight trends for each country so it's easy to see the ratio between high, medium and low coffee intakes.

Feedback on interaction and animation techniques:

I like how the visualization has a lot of interactions such as hovering on a pixel shows detailed data about the person and filter by country, but some of the animations like switching between coffee and sleep views are subtle because the y-axis doesn't change so it might be better to use average sleep hours as y-axis when user switch to sleep view. I think making the transitions more noticeable and updating the axes labels could make the transition more noticeable.

Feedback on design quality:

Overall, I think the page layout is neat and the color theme matches the coffee topic well. The pixels are spaced and organized nicely, so it is easy to focus on the data and compare trends between different countries. The design is effective, but it could be improved with a few small bug fixes and axes labels to help interpret the data.