

a. Partner1: Peiyuan Li [pli233@wisc.edu](mailto:pli233@wisc.edu)

[Peiyuan's Code](#)

Partner2: Qi Qiao [qqiao5@wisc.edu](mailto:qqiao5@wisc.edu)

[QQ's Code](#)

b. Peer Review

Peiyuan Li to Qi Qiao:

The code's overall structure is well-organized and transparent, with the data preprocessing steps laid out logically. By employing functions strategically within the UI and server components, the app's construction is straightforward and easy to comprehend. However, I might store the filtered dataset (`ts %>% filter(album == input$album)`) in a reactive expression to avoid filtering the dataset multiple times for different outputs. I would be using `distinct()` before `summarise()` instead of `unique()`. Also adding some comments in the code is necessary.

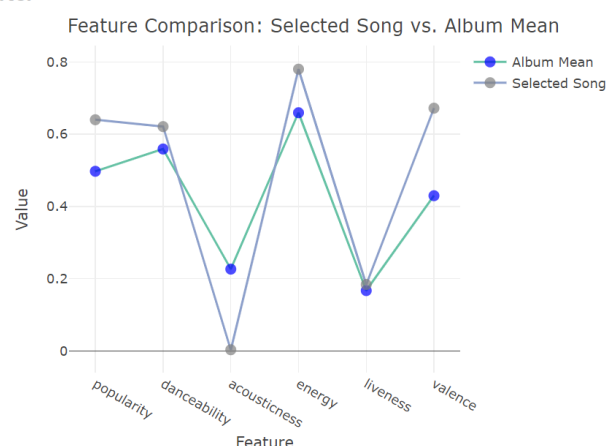
For the graph, the comparison of stats between a single song and the album mean is easy to conduct. But the y-axis label "Value" is a little generic; it could be more informative, perhaps reflecting the nature of the features being measured (e.g., "Measure," "Score," etc.). I would also suggest adding some theme for contrast; currently, the whole page is white.

### Taylor Swift Spotify Data

**Choose Album:**

**Choose Song:**

2010-01-01



Qi Qiao to PeiYuan Li:

The overall codes are logical and well-struct. Your choice of UI layout shows aesthetics and elements contain usability. Your explanation of codes is comprehensive enough to make viewers aware of what you are doing. You use 'req()' to ensure that necessary inputs are provided before proceeding with plot generation, which shows you have a sense of error-handling ability. However, to improve the codes, instead of using 'mutate()' followed by 'pivot\_longer,()' I may consider using 'pivot\_longer()' with the appropriate arguments directly on the filtered dataset to avoid unnecessary computations.

From the perspective of graphs, the panel for switching between radar charts and bar plots contributes a clear view, which can make the content more understandable. But I think you can add more explanation about all the index for the radar plots to provide guidance, which can help game novices get familiarity. Also, you can add the average index values to the radar plot which can make comparisons between different players. In the bar plot, you have made an effort to enlarge color contrast among different players, but similar colors may let people suppose the players are on the same teams and I think this can be more precise.

