

CS410 Project Update

Group Name: YSA

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Free Topic Selection: YouTube Sentiment Analysis

1. Progress made thus far

- I've started working on familiarizing myself with YouTube's Data API to retrieve comments from specific videos. I'm storing the data as a json file right now, but it needs to be further filtered to be used.
- I've also retrieved the data from the 2022 bests skins and stored it for review and comparison once the sentiment analysis is complete.

2. Remaining Tasks

- I need to finish reading up on NLTK's Vader sentiment analysis tools as that will be what I will most likely be using to evaluate the individual videos.
- I still need to work on a front end to capture my results so users can look up a champion then see the sentiments for their skins.
- Need to still figure out how to present the final data (either in a flask webpage or etc)

3. Any Challenges/issues being faced

- It took several hours to finally be able to retrieve YouTube comments for a video from the Data API.
- I couldn't figure out a quick method to get all the information from the reddit page so it had to be done manually and entered into a csv.