Analysis and Visualization Report

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After gathering, assessing, cleaning and storing our data. It is time now to do some analysis and visualization to have some useful insights on our data about the twitter account WeRateDogs.

What was the tweet that received the lowest favorites count ever? Does it receive a high or low retweets count? And being the tweet with the lowest favorites count, have it received a low rating?

- it goes to tweet_id 666102155909144576 with 72 favorites count
- It also received the lowest retweets count of 11 retweets only
- The dog's breed is english_setter
- actually it did get a high rating of 11/10. So it is an interesting insight that should be further investigated to see if there is a relation or not between the admin rating and what actually users liked and retweeted.

What was the tweet that received the highest favorites count? Does it receive a high or low retweets count? And being the tweet with the highest favorites count, have it received a high rating or low rating from the admin?

- It has a maximum of 157953 favorites count and it goes to to tweet_id 744234799360020481
- This tweet also received the highest retweets number of 78695.
- It went to a labrador_retriever in doggo stage with a rating of 13/10

What was the lowest rating in our data?

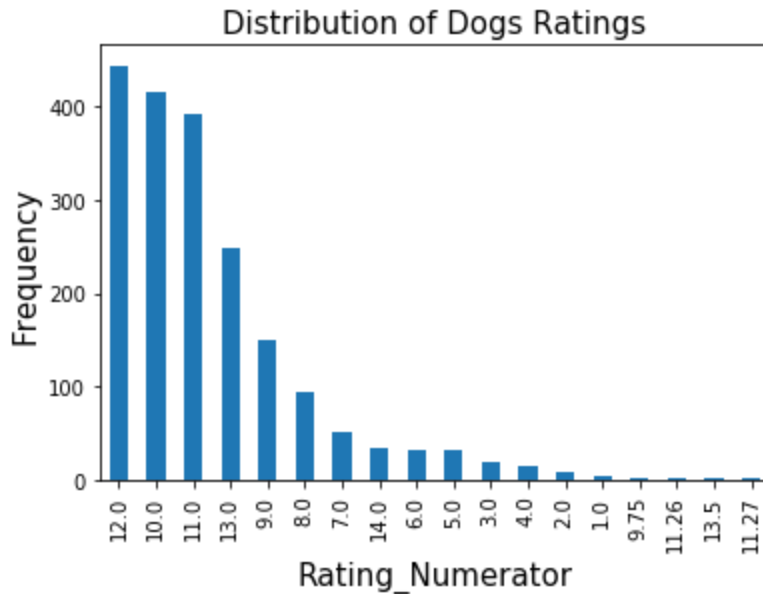- The lowest rating was 1/10 and it went to 4 tweets

What was the highest rating in our rating? Does it go to one tweet only?

- The highest rating in our wrangled data is 14/10
- The highest rating belongs to 33 tweets and not only one.
- The top 3 breeds that received the highest rating are pembroke(4) french_bulldog(2),and golden_retriever(2)

What is the average rating?

- The average rating is 10/10 but 12/10 is the mode rating with a frequency of 444 tweets.

Distribution of Dogs Ratings

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Is there a relation between retweets count and dog rating?

- There is a weak positive (pearson) correlation between retweets count and rating with a pearson value 0.29. This suggests that a high rating dog by the account admin doesn't guarantee that the followers will retweet these posts and the other way around.

Is there a relation between favorites count and dog rating?

- There is a moderate positive pearson correlation between favourites count and dog rating with a pearson value 0.39. This suggests that a high rating dog by the account admin doesn't guarantee that the followers will like these posts and the other way around

Okay, then is there a relation between favorites count and dog rating?

By plotting a scatter plot between retweets count and favourites counts:

- There is a strong positive pearson correlation between favourites count and retweets counts with pearson correlation of 0.929. This indicates only a strong relation between them, but says not about causation, I can not imply that one caused the other.

Relational Plot between Favourites Counts and Retweets Counts