Communicating Insights

From analysing the data, the following insights were gathered:

1. Dogs with high ratings generate higher retweet_count than dogs with low rating. The average retweet counts for high rating dog was 3787 and the average for low rated dog was 1182.

2. Dogs with high rating generate an average favorite_count of 12564 which is higher compared to the 3259 favorite_count for low rated dogs.

3. The top 10 breeds tweeted by WeRateDogs are Golden Retriever which was tweeted 156, Labrador Retriever tweeted 102 times, Pembroke tweeted 92 times, Chihuahua tweeted 90 times, Pug tweeted 59 times, Toy Poodle tweeted 51 times, Chow tweeted 44 times, Pomeranian tweeted 42 times, Samoyed tweeted 38 times and Malamute tweeted 32 times.

4. a. The top five dogs with the highest ratings were Golden Retriever, Samoyed, Pembroke, Eskimo Dog and Chow with ratings 1.171053, 1.171053, 1.141304, 1.140909 and 1.138636 and counts of 156, 38, 98, 22 and 44 respectively.

   b. The breed with the highest average retweet was French Bulldog with an average retweet_count of 5252, followed by Cocker Spaniel with 4908, Samoyed with 4457, Eskimo Dog with 4236, Lakeland Terrier with 4083.

   c. French Bulldog, Cocker Spaniel, Cardigan, Golden Retriever and Samoyed were the top 5 breeds based on average favorite counts with average favorite counts of 19055, 13486, 12840, 12299 and 12166 respectively.

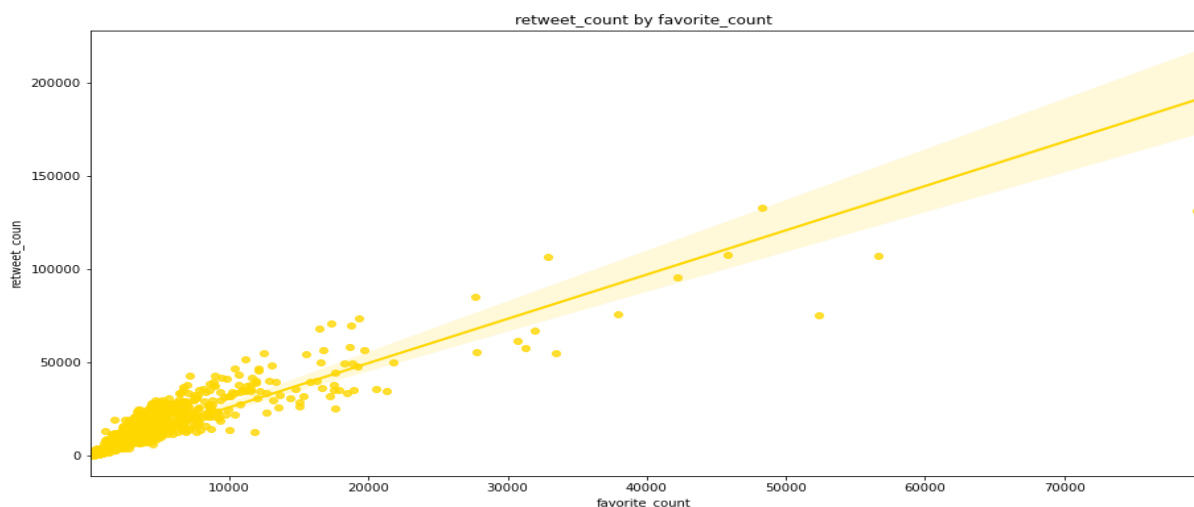5. There is a positive correlation between favorite_count and retweet_count.

Fig. 2 A scatter plot showing positive correlation between retweet_count and favorite_count.

6. a. The highest rating attained by a dog is *177.6*.

Fig. 2 Photo of Atticus the most rated dog by WeRateDogs.

b. From the graph high rating dogs with 4 images had a high average retweet count of *11094*. This was followed by the ones with *1 image* which had average retweet count 10172, then the ones with three images which had average retweet count 7183 and lastly the ones with two images which had average retweet count 4252.

c. From the graph high rating dogs with 4 images had a high average favorite count of 35834. This was followed by the ones with 1 image which had average favorite count 31449, then the ones with three images which had average favorite count 18865 and lastly the ones with two images which had average favorite count 14825.