ar rides and smells good. 12/10 would

Wrangle Act

ogs™ @dog_rates · Apr 16

rapher took pictures before and after he told his bunny he's a good
are the results. 13/10

WeRatedogs twitter

WeRateDogs. WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. These ratings almost always have a denominator of 10. The numerators, though? Almost always greater than 10. 11/10, 12/10, 13/10, etc. Why? Because "they're good dogs Brent." WeRateDogs has over 4 million followers and has received international media coverage.

General Insights from assessment

- Follower count extracted from Twitter API was nearly constant at 3.2 M for nearly two years which seems suspicious for accuracy.

While assessing image prediction file found that:

- First prediction is highly accurate and its accuracy is far higher than second prediction, which itself is higher than third prediction, yet not with a great margin.

- Insights on issues with First prediction algorithm.

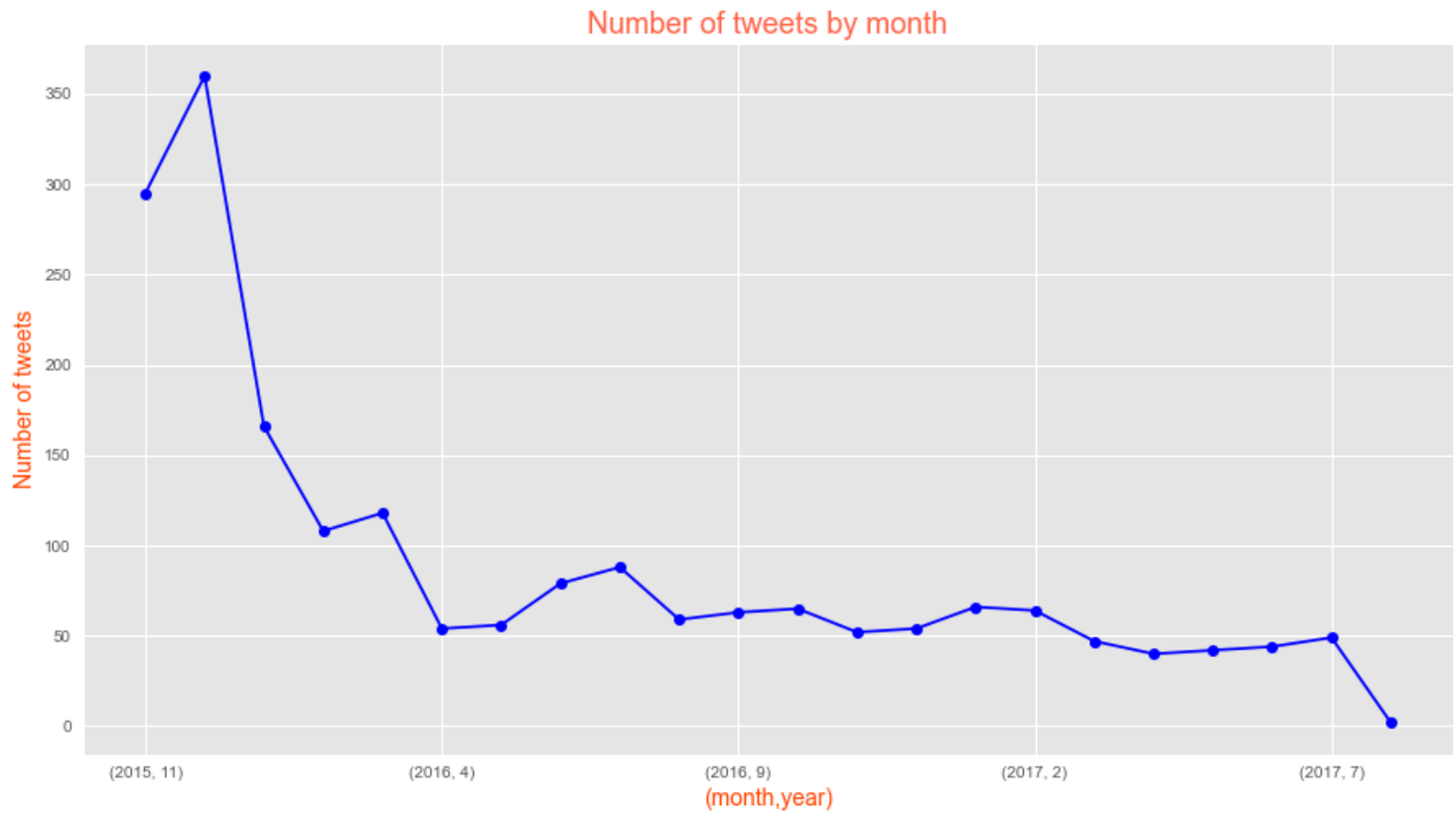
- There is the case where photos of dogs in cars are predicted by the first algorithm as seat belts (21 value seat_belt) which are predicted correctly by the second algorithm.

- Another case was photos of dogs embedded in a screenshot, message, article..etc, which were predicted by the first algorithm as websites (14 web_site value), mostly predicted correctly by second algorithm.

- All dingo animal' values predicted by first algorithm are incorrect and are mostly photos of Pembroke breed (mostly predicted correctly by second algorithm).

- Some photos of toy poodle breed dogs were predicted by first algorithm as teddy (I can see the similarity, computer).

Number of tweets by time



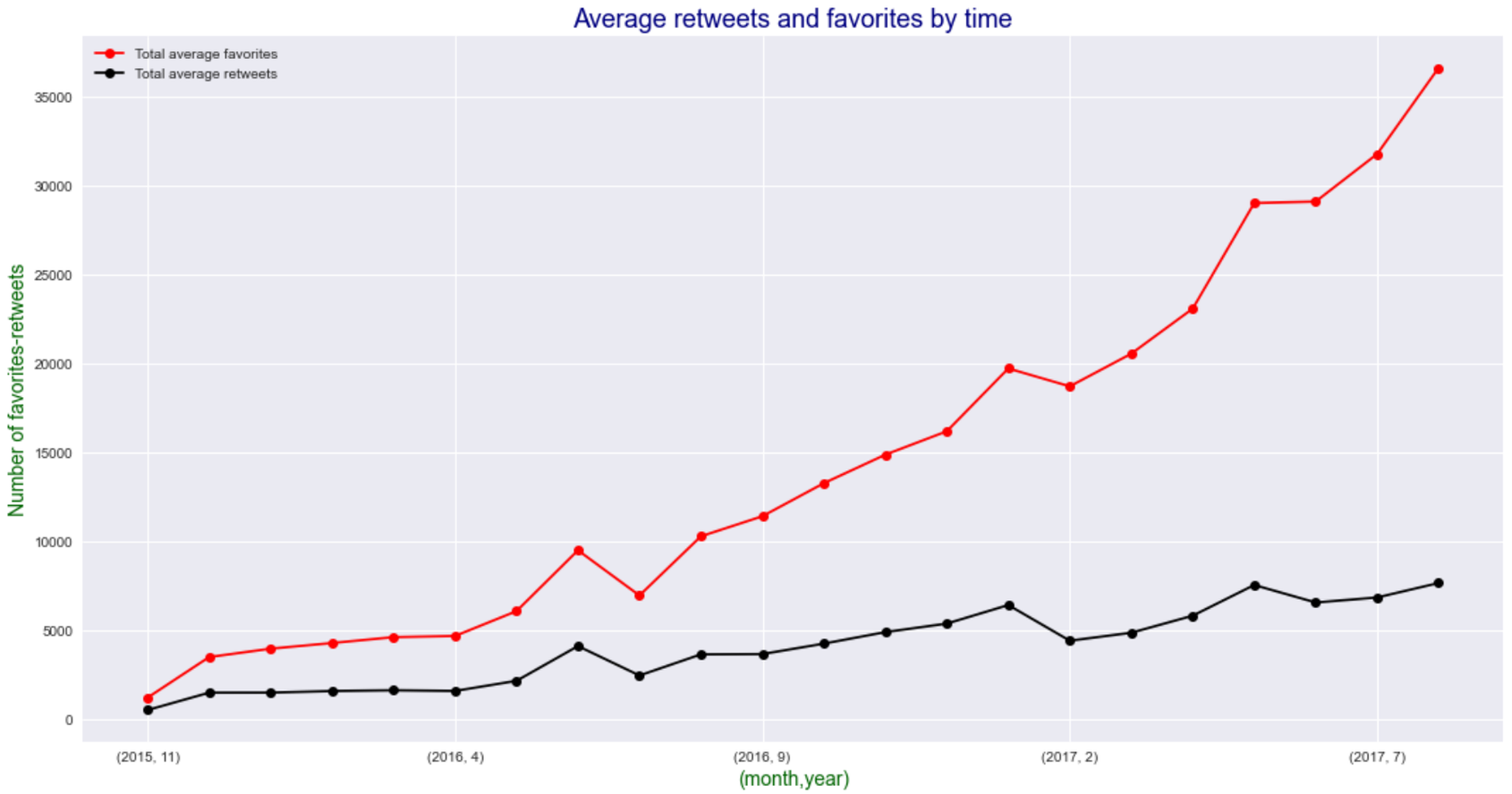
Number of tweets measured by time in (month, year).

Looking at number of tweets for each month, number of tweets for the last months of 2015 were really high, a sudden high drop in the number of tweets happened by the beginning of the year 2016 in its early months.

However, the number of tweets was still high for the first three months of 2016 and near number of tweets per month. A sudden drop after the first 3 months of 2016 happened. Starting with the 4th month of year 2016, the number of tweets for each month were near values and no huge drops or changes could be sensed.

By the fourth month of the year 2016 a pattern for the number of tweets for each month was probably concluded and executed (approx. 50-60 tweets per month).

Favorites/Retweets with time



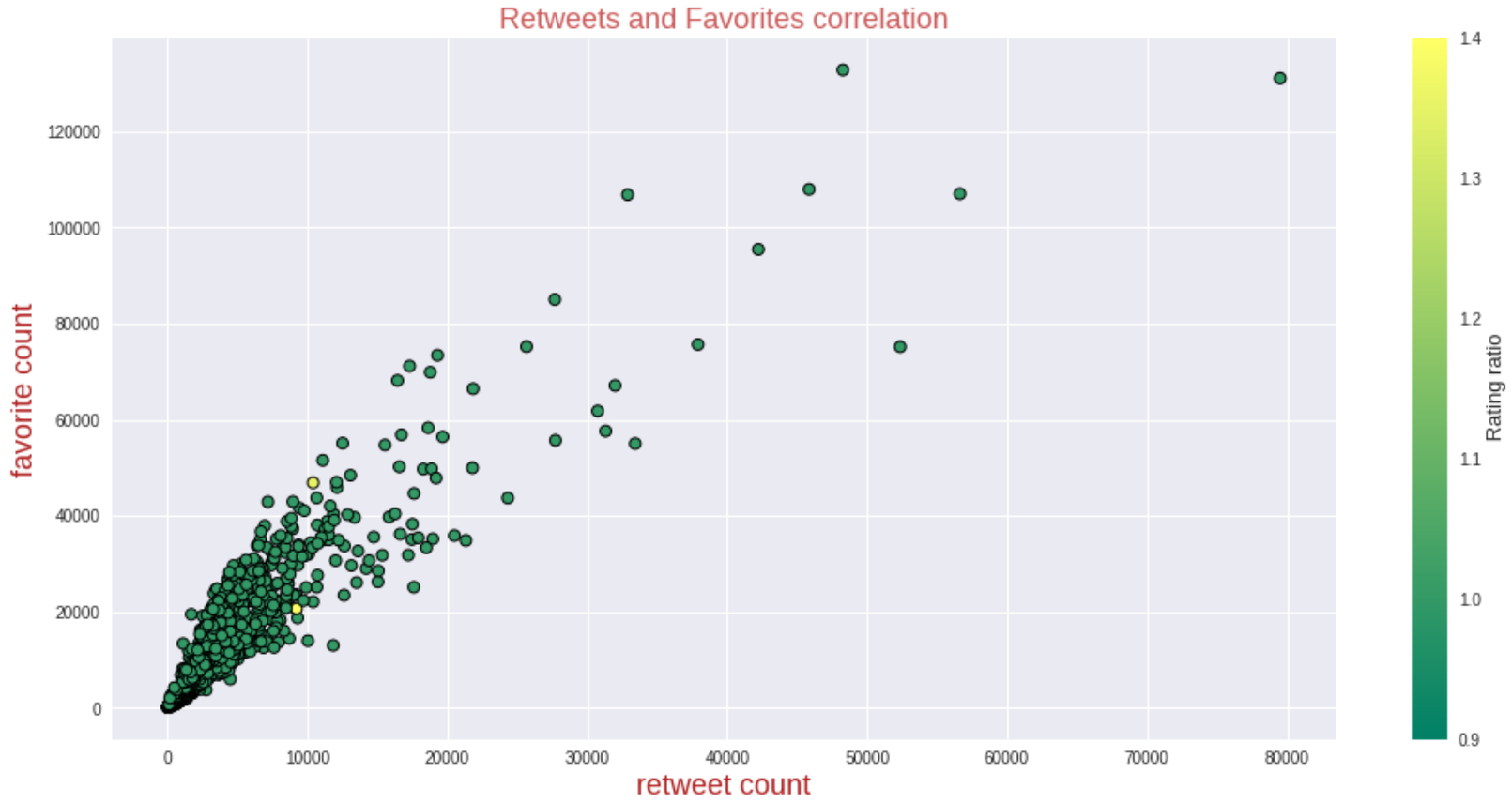
Clearly, number of favorites by month is increasing, as graph of average number of **favorites** by month **dropped** only twice (6-7, 2016) and (1-2, 2017). Increase in number of favorites per month is not very variant and can be concluded in the range of (1K - 3K) average increase per month. Number of favorites and its increase is especially booming from 2, 2017.

Number of **retweets** by month is also **increasing** yet with a very quiet change. Retweets are especially booming from 4-2017.

By the huge difference between the increase of favorites and retweets and gap between values despite both starting from near values. It's clear that **twitter users prefer interacting with favorites than retweets**.

Unpredicted, yet the number of **favorites and retweets increased** over the months with a **decrease** in the number of **tweets**.

favorites and retweets correlation



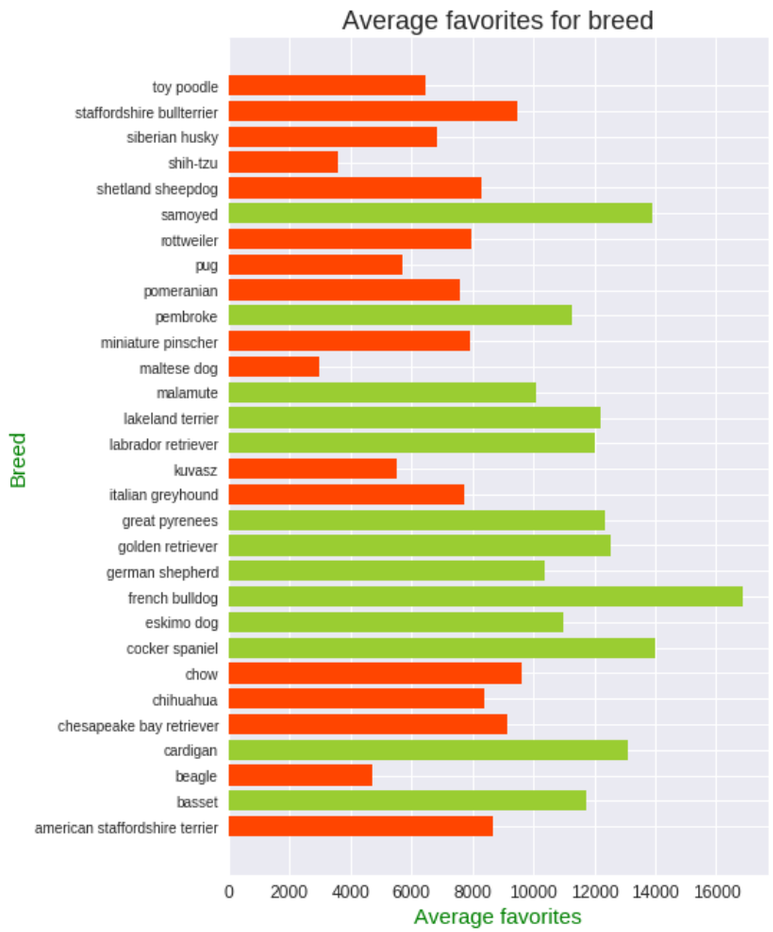
A **positive correlation** exists between **favorites and retweets**, with a coefficient that is approx. 1 and a relationship between favorites and retweets that seems from the graph as linear

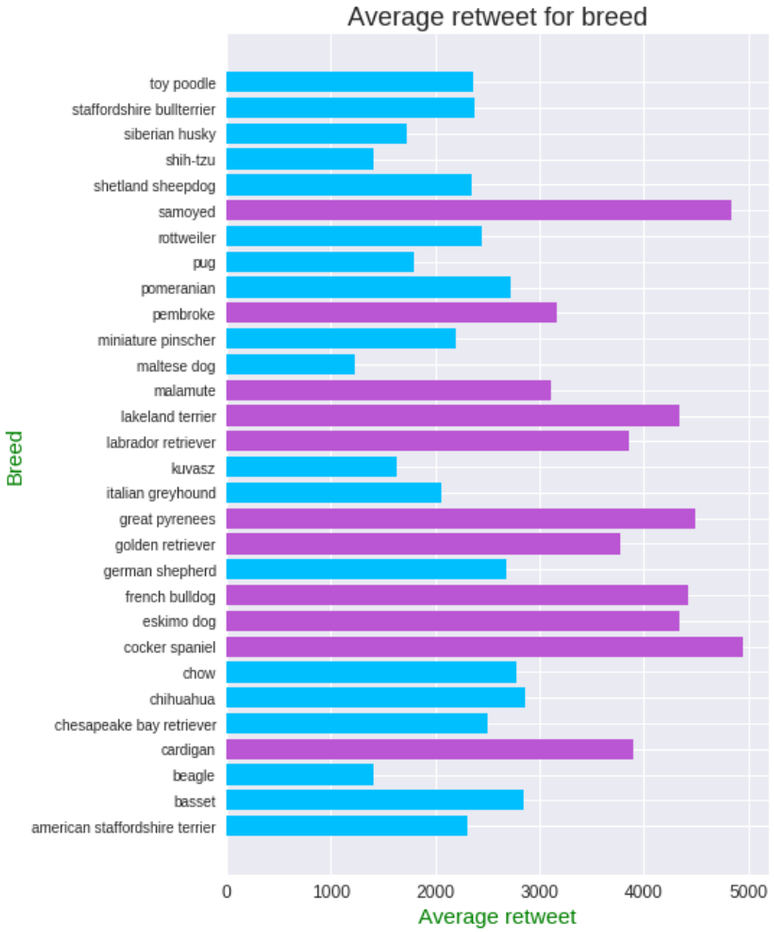
Rating ratio in this graph didn't deem so helpful as rating ratio of most tweets is approx. 1.0.

Yet when expanding on a logarithmic scale, a high rating ratio seems to participate greatly in high favorite-retweet value/number (yellow circles) and low rating ratios seem to participate in low favorite-retweet value/number (dark green circles).

breed and retweets - favorites

Firstly tried to expand insights on all 112 breeds, but it was deemed of no use as there is a huge variation between number of tweets for each breed. Taking all 112 breeds into account will result in unbalanced predictions as there is breeds that have 1 tweet only and another breed that has up to 152 tweet . Filtered to include breeds with proper number of tweets (75% value) and took up highest 30 breeds (min 14 tweet).





Maltese dog breed scored lowest on both fronts average retweets and favorites, then **Shih-tzu**.

German Shepherd and Basset are popular with favorites and not retweets.
Great Pyrenees breed is really popular with retweets .

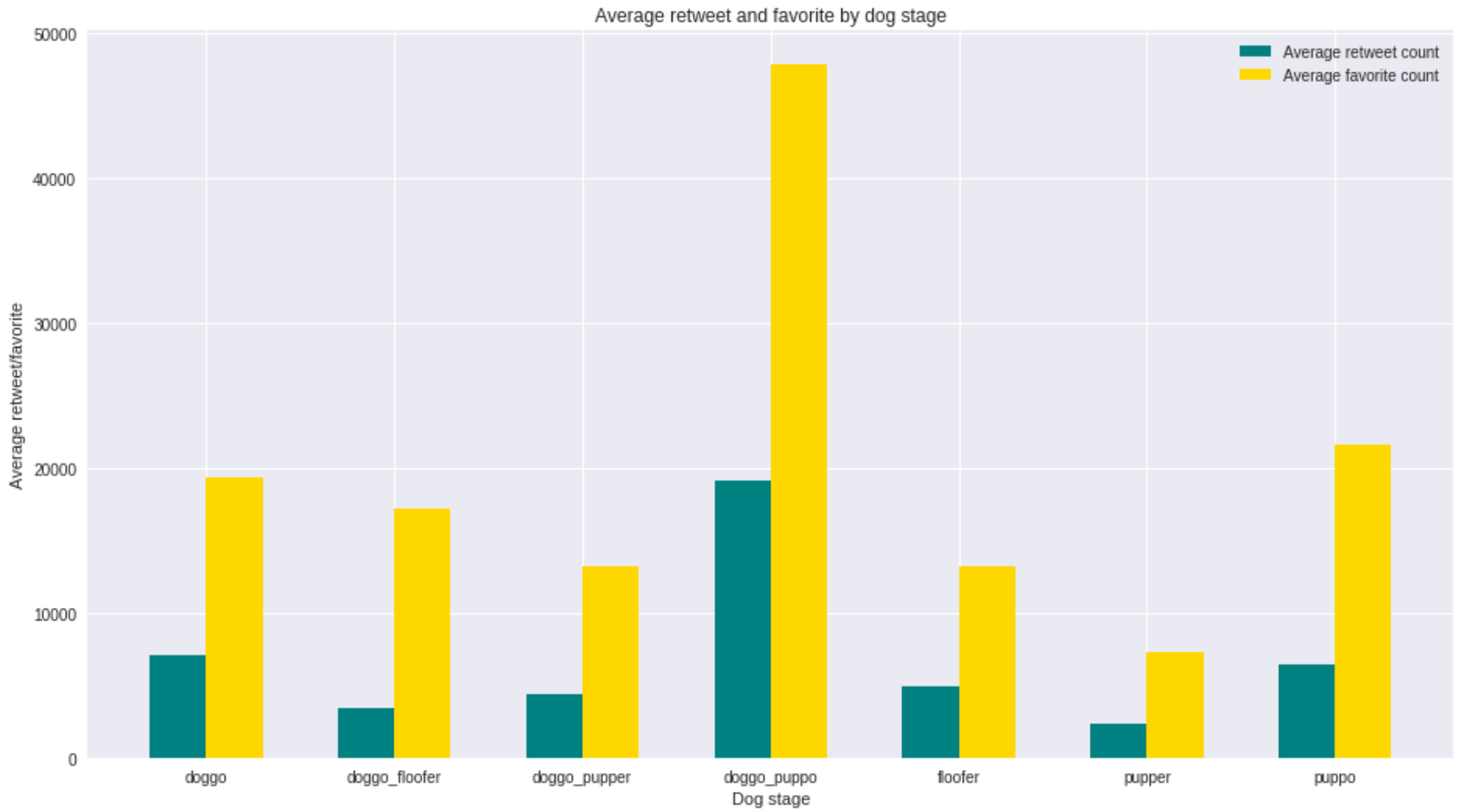
Chihuahua breed scored pretty low in comparison despite breed having fourth most tweets numbers (Pug as well).

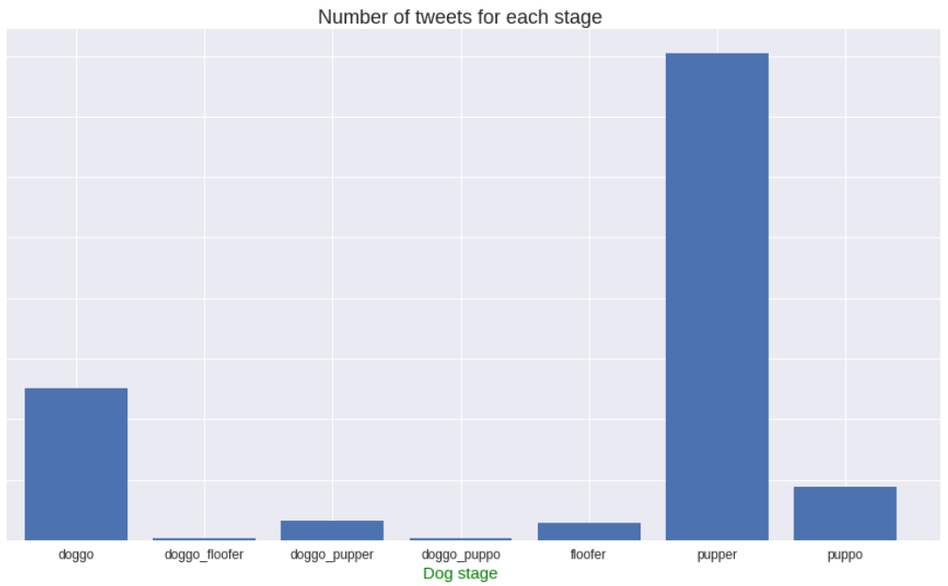
Cocker Spaniel scored **highest** in retweets and scored second highest in favorites (**Samoyed** breed nearly same averages).

French Bulldog scored highest in favorites.

Golden Retriever, Labrador Retriever and Lakeland Terrier scored near values on both fronts (retweets-favorites).

dog stage and retweets - favorites





doggo scored more than **puppy** on average retweets, however **puppo** scored more than **doggo** on average favorites.

doggo_puppo and **doggo_floofer** have only one tweets and wouldn't deem useful despite **doggo_puppo** scoring highest average retweets and favorites.

pupper scored least on average retweets and average favorites despite it being the most common dog stage.

doggo_pupper and floofer have nearly same values on both fronts.

For more **retweets** >> **doggo** —- For more **favorites** >> **puppo**