

We Rate Dogs Insights

These are insights on the We Rate Dogs Twitter account where humorous comments about dogs are posted.



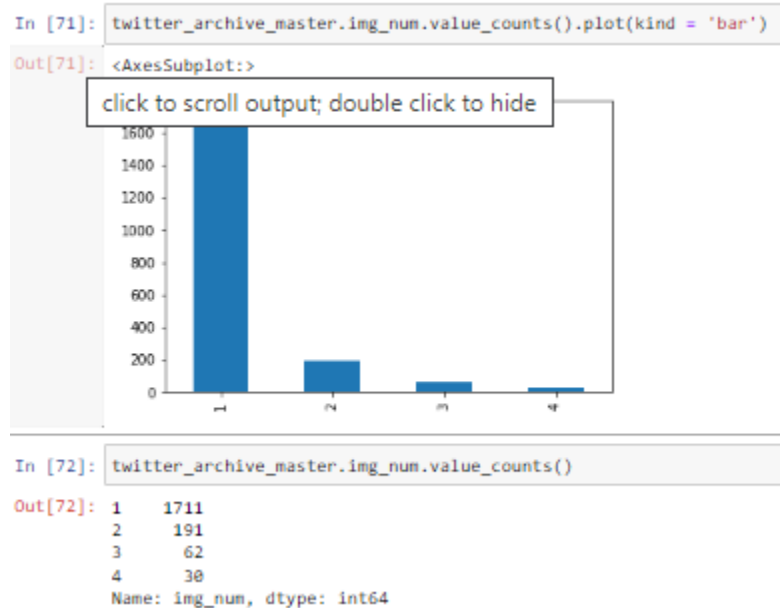
Insights:

- Number of images that occurred for each tweet confident image prediction
- The most common stages of dogs
- What are the top names of dogs?
- The increase or decrease of retweets and liking as the years pass

1. Number of images that occurred for each tweet confident image prediction

It is observed that the greatest number of pictures posted to make predictions on the type of Dog it is mostly one (1).

So, it means a single picture was able to model what stage of the dog it is.

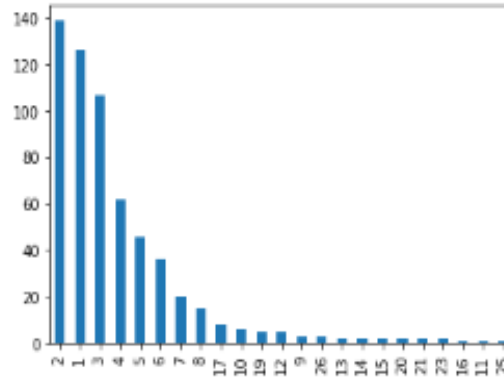


Most number of pictures posted per day

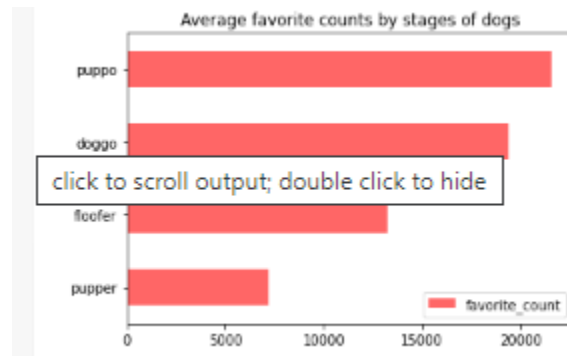
For each day, the greatest number of pictures posted is 2

```
img = twitter_archive_master[['date', 'img_num']].groupby(['date']).sum()  
img.img_num.value_counts().plot(kind = 'bar')
```

<AxesSubplot:>



2. The most common stages of dogs



The most loved stage of dogs based on the favorite count is puppo. People love the cuteness of puppies.



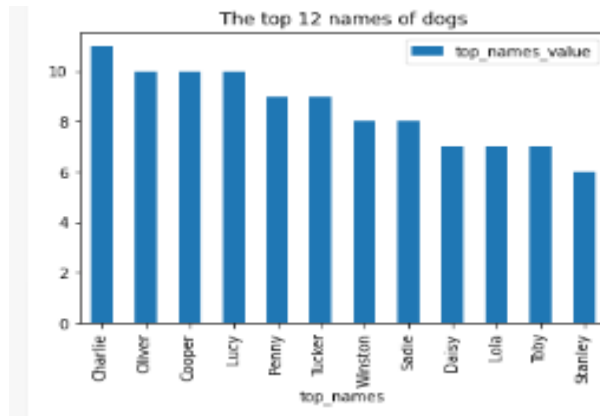
While the most common dog posted is the pupper based on the number of occurrence

```
stage      stage      1688  
doggo      doggo      63  
doggo, floofer  doggo, floofer  1  
doggo, pupper  doggo, pupper  9  
doggo, puppo   doggo, puppo   1  
floofer      floofer      7  
pupper      pupper      283  
puppo       puppo       22  
Name: stage, dtype: int64
```

3. What are the top names of dogs?

The top 12 names of dogs are shown.

And Charlie is the most common name



4. The increase or decrease of retweets and liking as the years pass

Note: There are more than a tweet per day

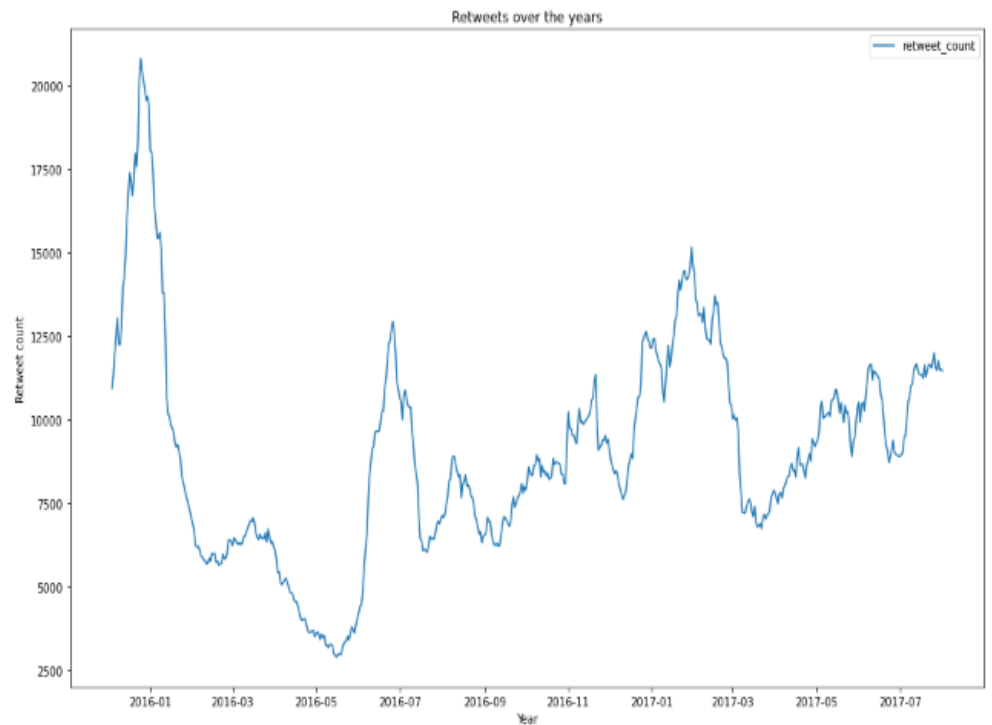
```
twitter_archive_master[['date', 'retweet_count', 'favorite_count']].head()
```

:

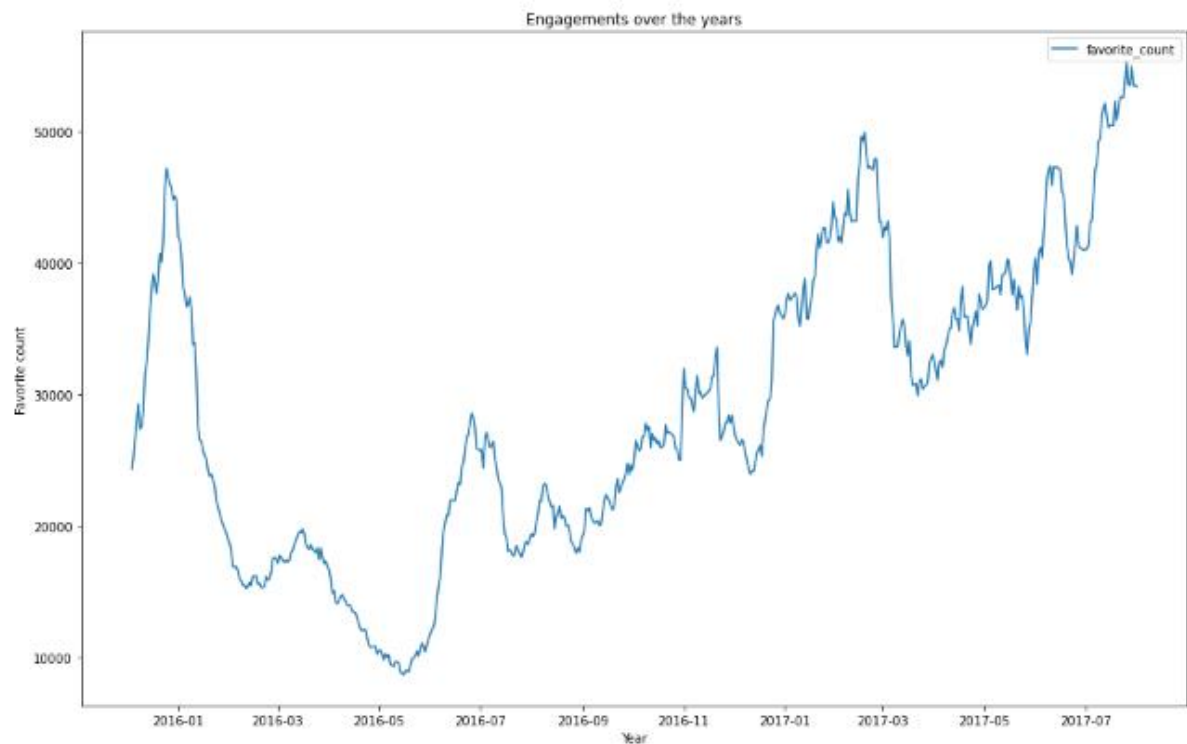
	date	retweet_count	favorite_count
0	2015-11-15	NaN	2535
1	2015-11-15	NaN	132
2	2015-11-15	NaN	128
3	2015-11-16	NaN	311
4	2015-11-16	NaN	111

Hence the need to deal with them per day – grouping

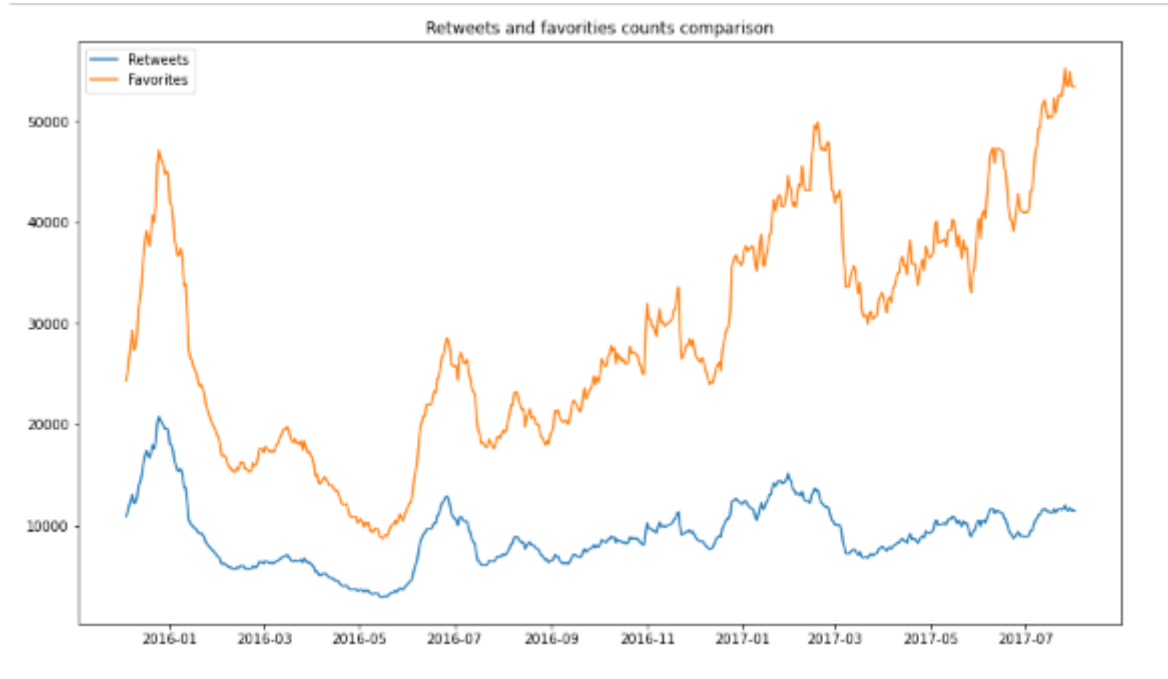
There's a decrease in retweets over the years. Though there're times it increases, but unlike when it started.



Unlike the retweets, there are more 'likes' on the posts. A progressive increase over the years.



Plotting both, we have:



Clearly evident of the increase in favorite_count and a drop in retweets_count.



THANK YOU

