Analysis and Visualization report

The following analysis was conducted once all the data frames were gathered, cleaned and merged.

This is the list of the final columns in the combined dataset.

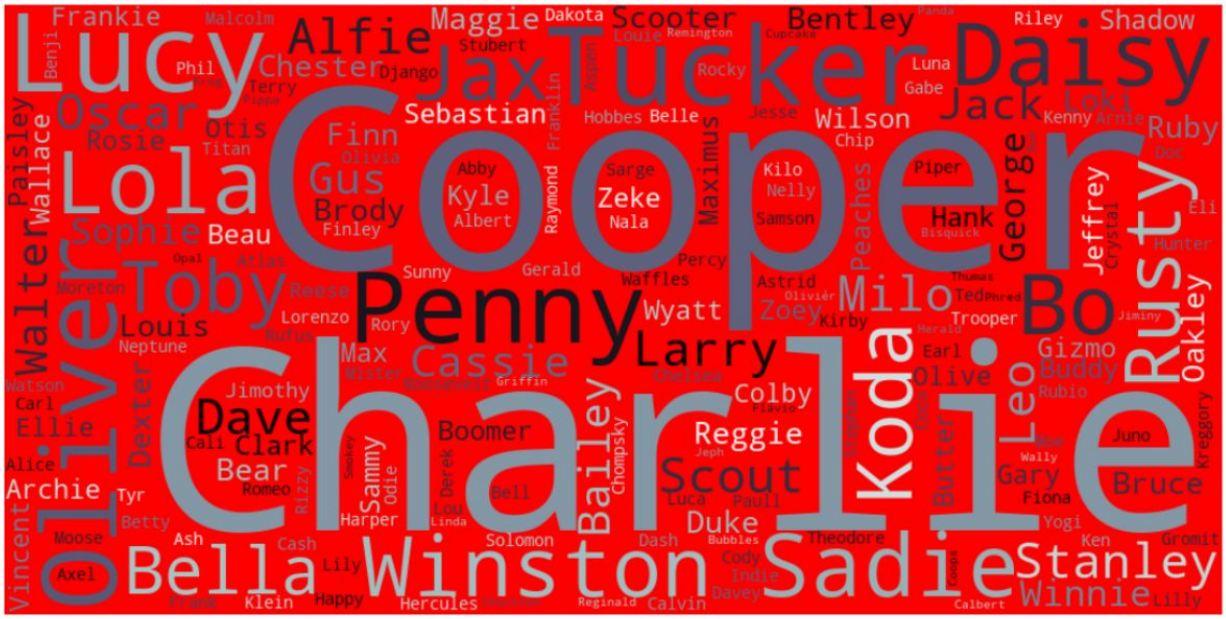
Column data types have been changed to relevant types.

#	Column	Non-Null Count	Dtype
0	tweet_id	1749 non-null	object
1	in_reply_to_status_id	20 non-null	object
2	in_reply_to_user_id	20 non-null	float64
3	timestamp	1749 non-null	object
4	twitter_download_link	1749 non-null	object
5	text	1749 non-null	object
6	tweet link	1749 non-null	object
7	rating_numerator	1749 non-null	float64
8	rating_denominator	1749 non-null	float64
9	name	1229 non-null	object
10	dog_description	270 non-null	object
11	jpg_url	1749 non-null	object
12	img_num	1749 non-null	int64
13	dog_type	1749 non-null	object
14	retweet_count	1749 non-null	int32
15	favorite_count	1749 non-null	int32

From this combined and cleaned dataset, I then created visuals to assess the data and get insights

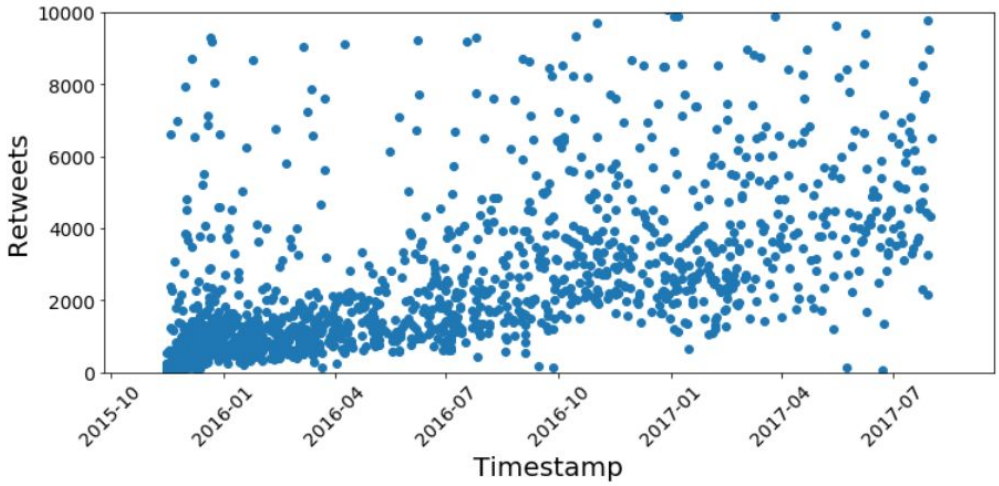
I began with a word cloud to see the most popular dogs posted on twitter, as word clouds give an interesting and creative visual of the selected data where the larger printed words indicated the most popular dog species posted on twitter.
The insight taken from this is that the Labrador, Chihuahua, Retriever and Golden retriever are the most posted dog species.

The second word cloud indicates the most popular dog names



This visual indicates that the most popular dog names are Cooper and Charlie.

The next analysis was done through scatter plots as I was dealing with a mass amount of data, this was the most suitable for visualization. I also added limits for the y axis to reduce the amount of outliers.



This scatter plot indicates a positive correlation between the two variables which means that there was an increase in tweets overtime which be the result of twitter's increasing popularity but not only that, the WeRatDogs platform gained popularity overtime especially to due the famous meme(link attached below) that was in response to why the followers were rating dogs over 10. (https://knowyourmeme.com/memes/theyre-good-dogs-brent)