Act Report 2019

In analyzing the data that I gathered, assessed and cleaned, I first stored the final merged dataset into a CSV file so I could have the final dataset without needing to redo my entire process. I was first interested in finding out which tweets received the most retweets as well as the most favorites. To do so, I sorted the retweet_count column so that it would show me the top tweet_id in terms of retweets. I found out that the post received 79573 retweets! When sorting the data based on the favorite_count I found that the top post received 159484 favorites! Not only that but from looking at the results and the tweet_id, they were both from the same post! This was a really interesting find.



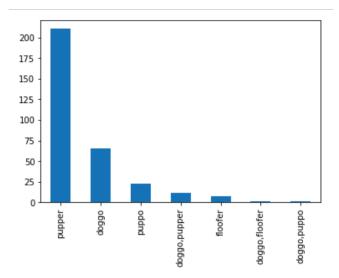
After finding the top posts, I wanted to understand more about the dogs. I pulled out the counts of the name column to see which dog name may have been the most popular from the tweets gathered. I found that Tucker, Cooper, Penny, Charlie, and Oliver had the most with 10 mentions each! This is very interesting to me, since I am a dog owner and my dog's name is Penny!

<pre>master_merged_df.name.value_counts().head(20)</pre>			
None	562		
a	54		
Tucker	10		
Cooper	10		
Penny	10		
Charlie	10		
Oliver	10		
Lucy	9		
Во	8		
Sadie	8		
Lola	8		
Winston	8		
the	7		
Toby	7		

To look at the classification data, I analyzed the p1 column which provided me with the top prediction from the neural network created and found that the majority of the predictions were resulting in golden retrievers. I am not completely sure if the neural network was 100% accurate but from some of the images I saw it certainly made sense. I saw that some predictions made by the neural network resulted in a classification of seat belt and website, which I found pretty funny.

master merged df.pl.value counts().head(20)			
golden_retriever	146		
Labrador_retriever	95		
Pembroke	88		
Chihuahua	81		
pug	57		
chow	44		
Samoyed	42		
Pomeranian	38		
toy_poodle	38		
cocker_spaniel	30		
malamute	30		
French_bulldog	25		
Chesapeake_Bay_retriever	23		
miniature_pinscher	23		
seat_belt	22		
German_shepherd	20		
Siberian_husky	19		
Cardigan	19		
web site	19		
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Finally. I wanted to create a visualization for the dog stages to see how often WeRateDogs would classify a dog as pupper, doggo, puppo, or floofer. To see this in a visualization, I used a histogram for dog stages and I found that pupper was the most used stage at over 200 mentions, versus doggo at just under 75 mentions.



It was great working with this data and I was able to understand a lot from working with various sources and format as well as finding cool insights on dog data from twitter!