TWITTER DATA ANALYSIS - '@WeRateDog'
Author: Etim Onuk

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

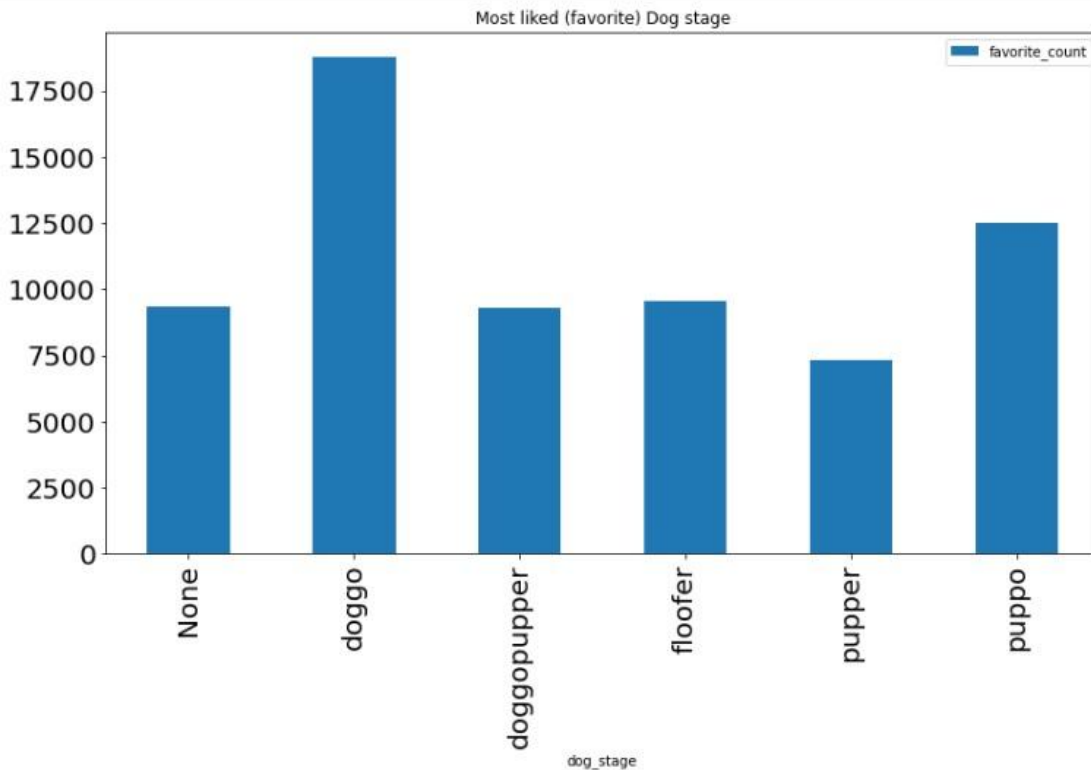*The dogs that get a rating that is greater than 10 are known as the good dog Brent!.*

As an Udacity Scholar, Data Analyst Nanodegree Program from Udacity gave me the amazing opportunity to go through the data wrangling process. The project emphasizes everything I have learned which involves gathering data from a variety of resources in a variety of formats, assessing the data quality and tidiness, cleaning the data, and showcasing my wrangling efforts through analysis and visualizations.

I wrangled and analyzed the tweet archive of Twitter user @dog_rates, also known as WeRateDogs.
Phew!!!😅, The Wrangling and Analysis process of the @dog_rates page datas was a somewhat herculan task but definitely fun, interesting and adventurous.

The following questions were asked and analysis and visualizatiion taken out with the most accuracy:

1. Which Dog Stages have the more likes?

Most liked (favorite) Dog stage

There are five(5) Dog stages excluding 'None' which indicate the dogs which aren't in any of this stages. From the analysis to answer the poised question, *doggo* averaging more than 17500 likes on the @dog_rates the most likes.

Below is the Dogtionary of each Dogs stage:

THE DOGTIONARY

dog•go
/ˈdôgō/
noun

1. A big pupper, usually older. This label does not stop a doggo from behaving like a pupper.
2. A pupper that appears to have its life in order. Probably understands taxes and whatnot.

"That's a really good doggo."
"I give my doggo a firm pat every night before bed."

pup•per
/ˈpəpər/
noun

1. A small doggo, usually younger. Can be equally, if not more mature than some doggos.
2. A doggo that is inexperienced, unfamiliar, or in any way unprepared for the responsibilities associated with being a doggo.

"H*ck, that's one pettable pupper."
"How many puppers could I fit on my body at once, if I were lying down?"

pup•po
/ˈpəpō/
noun

1. A transitional phase between pupper and doggo. Easily understood as the dog equivalent of a teenager.
2. A dog with a mixed bag of both pupper and doggo tendencies.

"My puppo is still learning what it takes to be a trustworthy doggo."
"I would hug that puppo so passionately."

blep
/ˈblep/
verb

1. An extremely subtle act that occurs without the knowledge of the one who slips. The act includes one's tongue protruding ever so slightly from the mouth, usually just noticeable enough that it attracts the attention it deserves. Can last between three seconds and four days.

"My doggo did a h*ck of a blep the other day."
"Get a load of this blep I captured."

snoot
/snoot/
noun

1. The nose of a dog. Usually found in places the dog may not fit. The location of the snoot may hint at where the dog's interest lies.
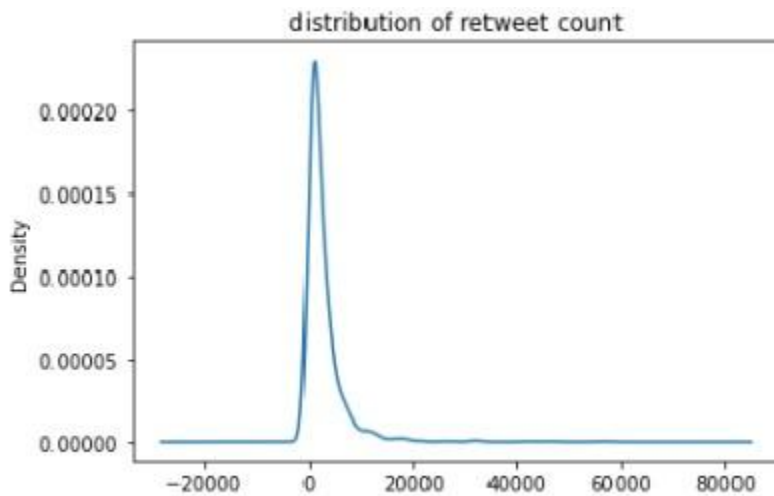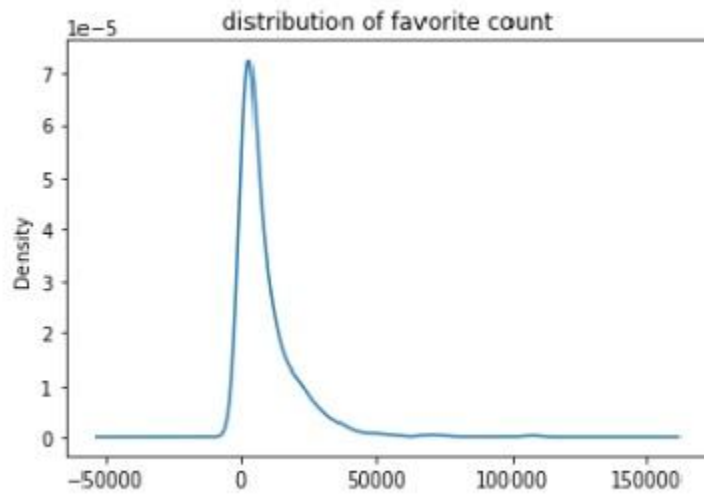
"That is a beautiful snoot."
"I've been trying to boop my neighbor's dog's snoot for six years."

floof
/floof, floof/
noun

1. Any dog really. However, this label is commonly given to dogs with seemingly excess fur. Comical amounts of fur on a dog will certainly earn the dog this generic name.
2. Dog fur. The term holds true whether the fur is still on the dog, or if it has been shed off.

"Check out that majestic floof!"
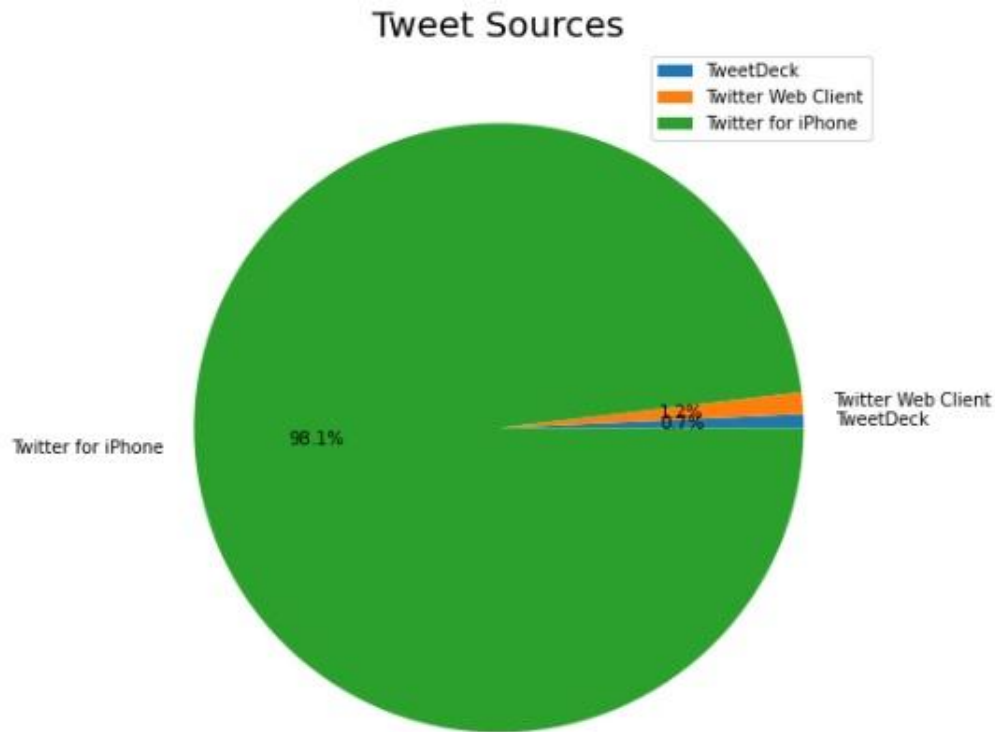"The floof on my dog has gotten out of control but I don't see anybody complaining any time soon."

2. What is the Distribution of the Retweet_count and Favorite_like

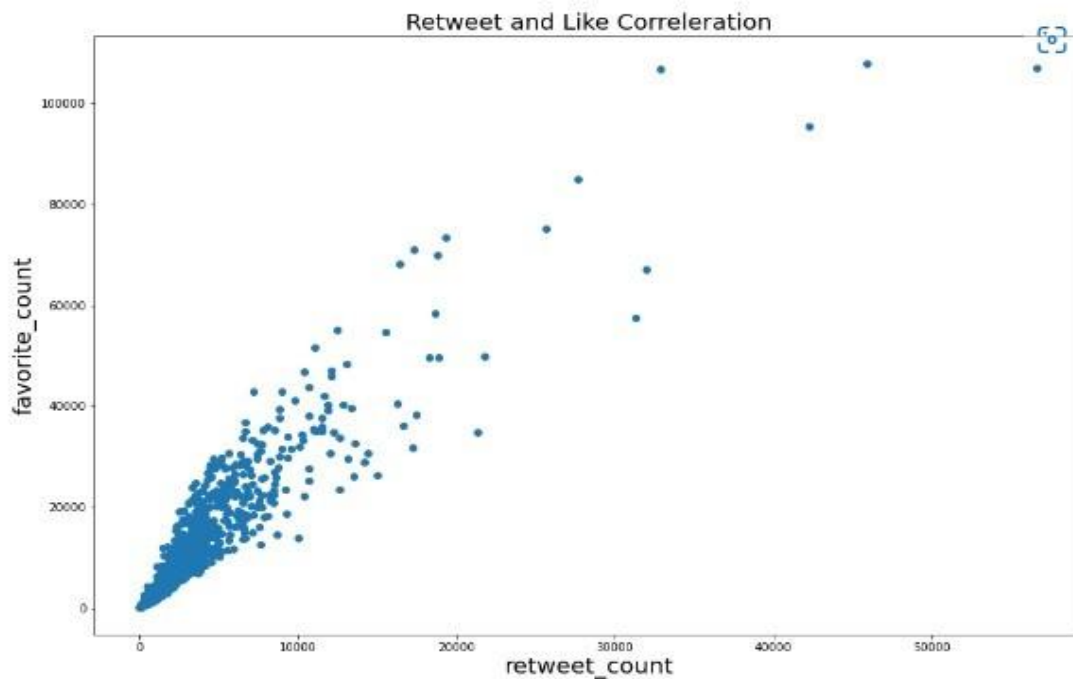distribution of favorite count

distribution of retweet count

From the above analysis and visualization, the **retweet_count** and *favorite_count* shows a right or positive skew which indicate a rise or increase in average retweet and like in the @dog_rates twitter.

3. Most Tweet Sources?

The piechart of the tweets source indicates that *Twitter for iPhone* i.e. tweet which originated from iPhone, having more than 98% of the pie and *Twitter Web Client* and *TweetDeck* with 1.2% and 0.7% respectively

4. What is the Correlation between Page's Retweets and Likes?

Retweet and Like Correleration

Correlation show the extent at which two variables are linearly related. The correlation between the *Retweets* and *Like(Favorite)* count is a very positive and near perfect one at 0.92 rate . It indicates that if someone likes a tweet, they are 92% most likely to retweet it.