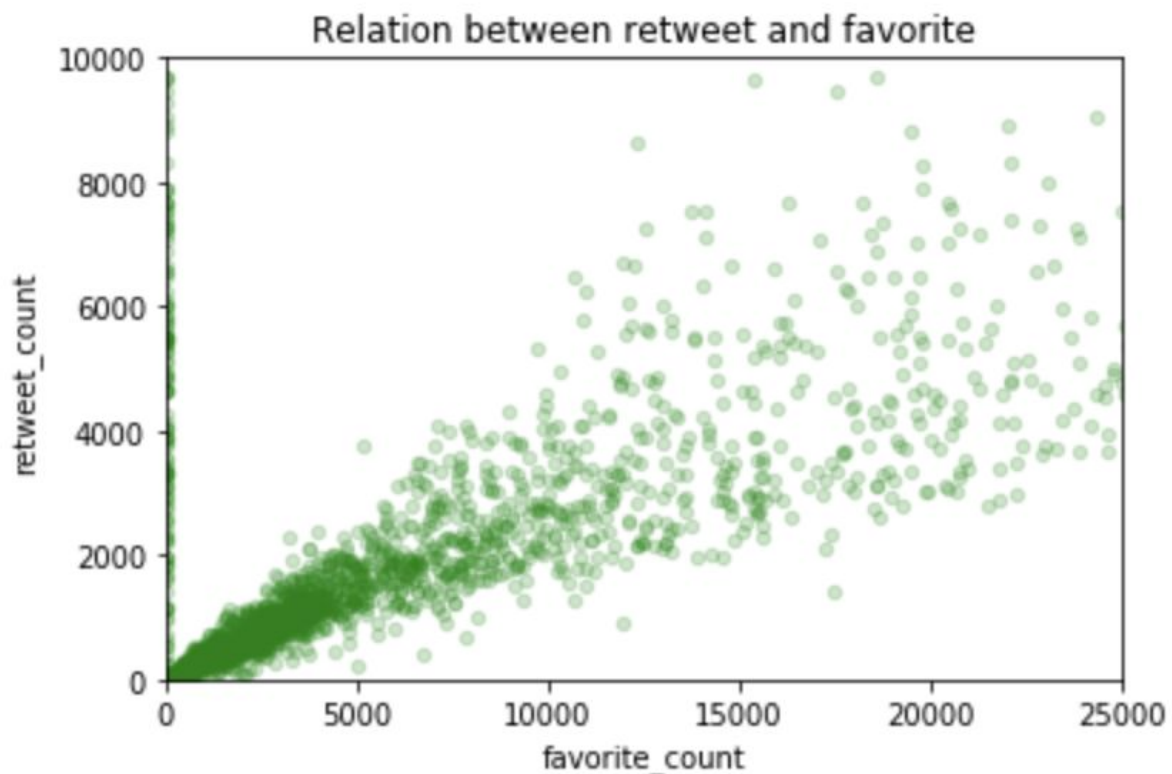# Analysis of WeRateDogs

WeRateDogs is a twitter account that rates people's dog with a humorous comment about the dog. The analysis will be performed on this data predicting the dog's popularity among the dog lovers. Some ratings tend to be pretty extraordinary, maybe we could say it was over-rated! The analysis below will help uncover a few deviations from the norm.

About the data

The final data on which the analysis is performed is made up of three separate data tables. The first source is an archive of the past tweets provided by Udacity in csv format. The second source is from the Twitter API that mentions retweets and favourites. And finally, we have a tsv file that gives us the predictions of dog ratings with their images. These tables were cleaned and merged into one. The data collected is before 1st August 2017.
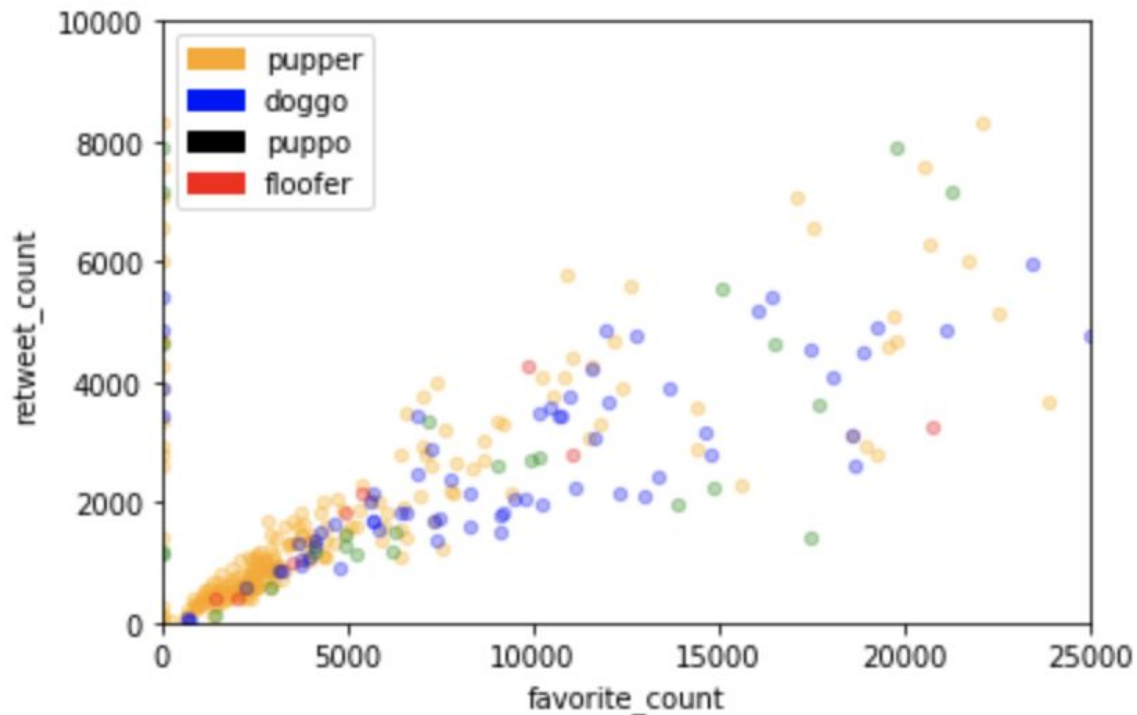
Retweets vs Favorites

The first analysis was conducted on finding the relationship between the retweets count and the favorites counts. From the plot below we clearly see the favorite count tend to be more than twice the retweet count.

We see a positive increasing trend in the plot. One of the reasons for favorite_count dominating would be because of the fact that people tend to like a tweet more than retweeting it.

Favorites vs Retweet on Dog Stages

Here, I analysed the favorite count and retweet count for the different dog stages.

We see that pupper dominates the plot and is therefore the most common dog stage. Doggo tends to be more popular than the rest in terms of retweets and likes counts. The reason could be, since the Doggo stage is not that common people tend to like it more and hence retweet about it.

Dog Popularity

Dogs are the most loved animal by humans and this analysis reveals the top 10 favorites. I used the dog prediction for an image posted on the tweet. Even though the prediction is not 100% accurate but it does a pretty good job in recognising the correct dog image. The more mentions, the more popular is the dog. Based on this law, golden retriever is the winner and people favorite by a big margin. Next in line is the labrador retriever followed by pembroke. And I fully agree with the winner, as it's my favorite too.

top 10 popular dogs