WeRateDogs Report

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Course title

Data Analysis Professional
Nanodegree Program

Introduction

This is a report describing interesting insights and visualization of dog breeds and stages and how people interact with them on Twitter based on sample of 1463 original tweets retrieved from @dog_rates account in period from November 2015 to May 2017.
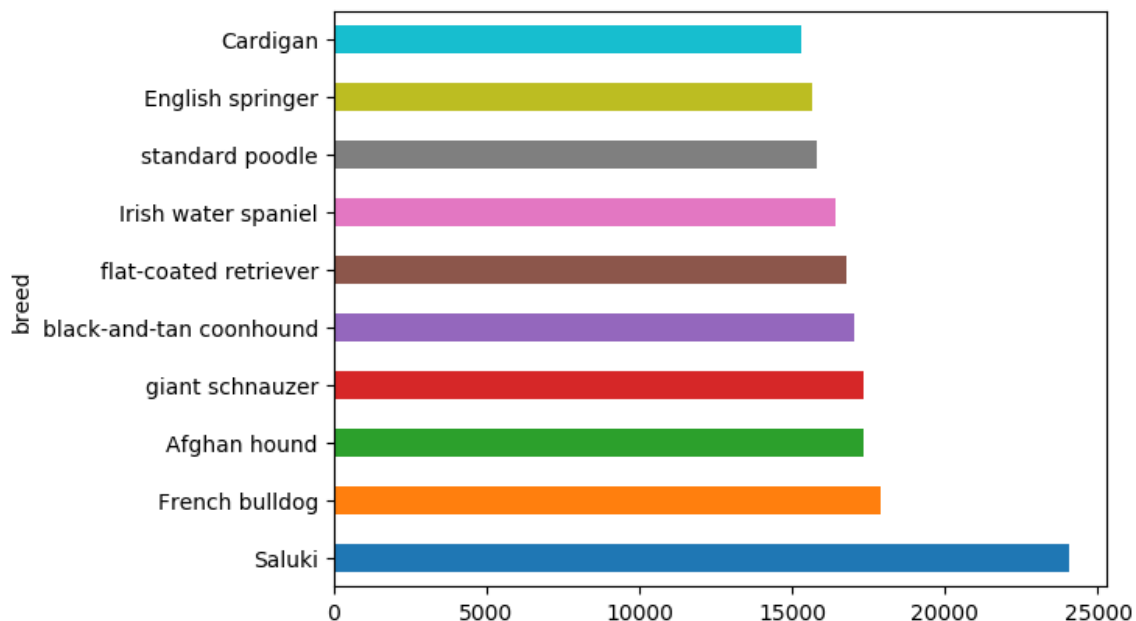
How People Interact with different dog breeds on Twitter

Dog breeds and Favorite count

After investigating the tweets, I found the top 10 most dog breeds with average favorite counts (indicating peoples' likeness to the breed) and plot the relation in bar with x-axis as favorite count and y-axis as the name of the breed.
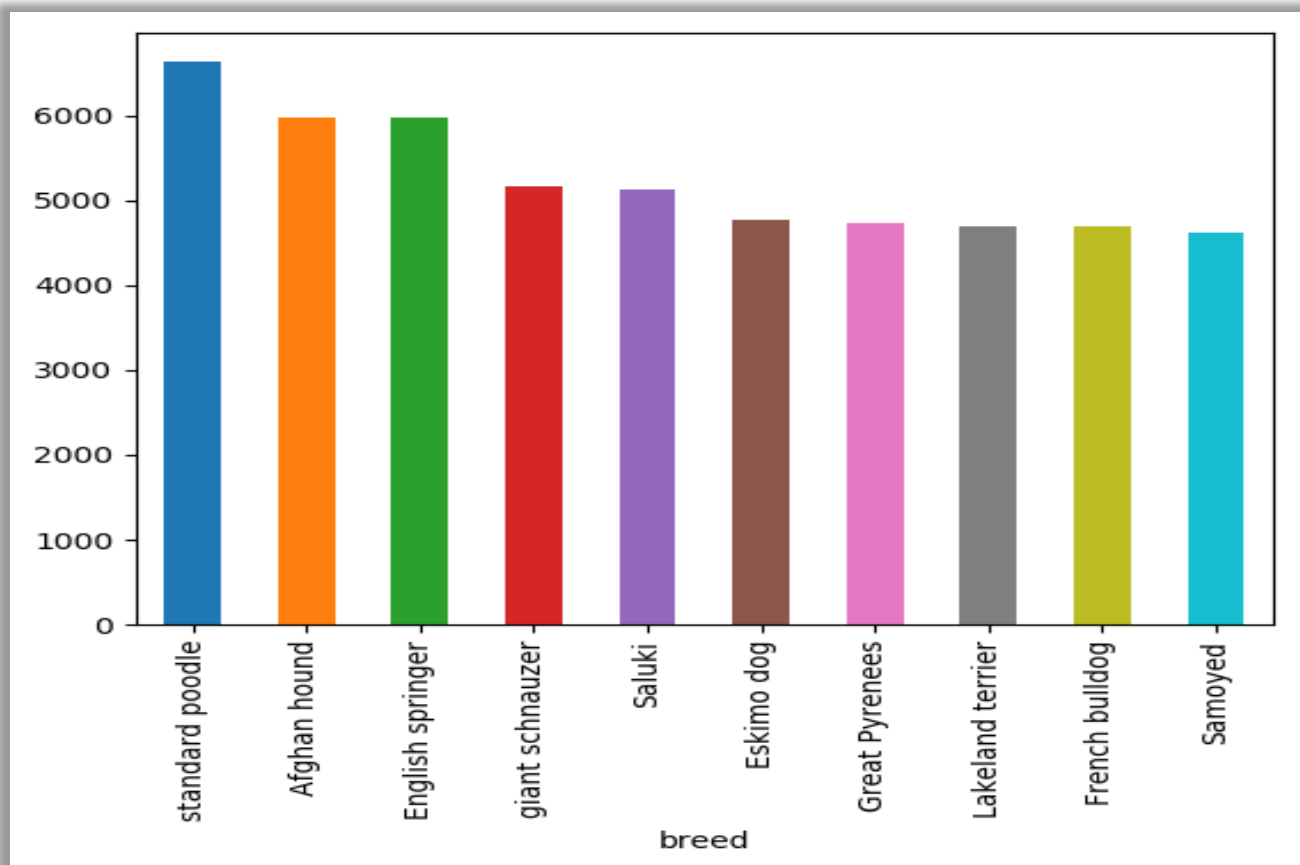

As we can see, Saluki breed was the most favorited with average of nearly 2500 favorite count.

Dog breeds and retweet count

Another investigating, I found the top 10 most dog breeds with average retweet counts and plot the relation in bar with y-axis as retweet count and x-axis as the name of the breed.
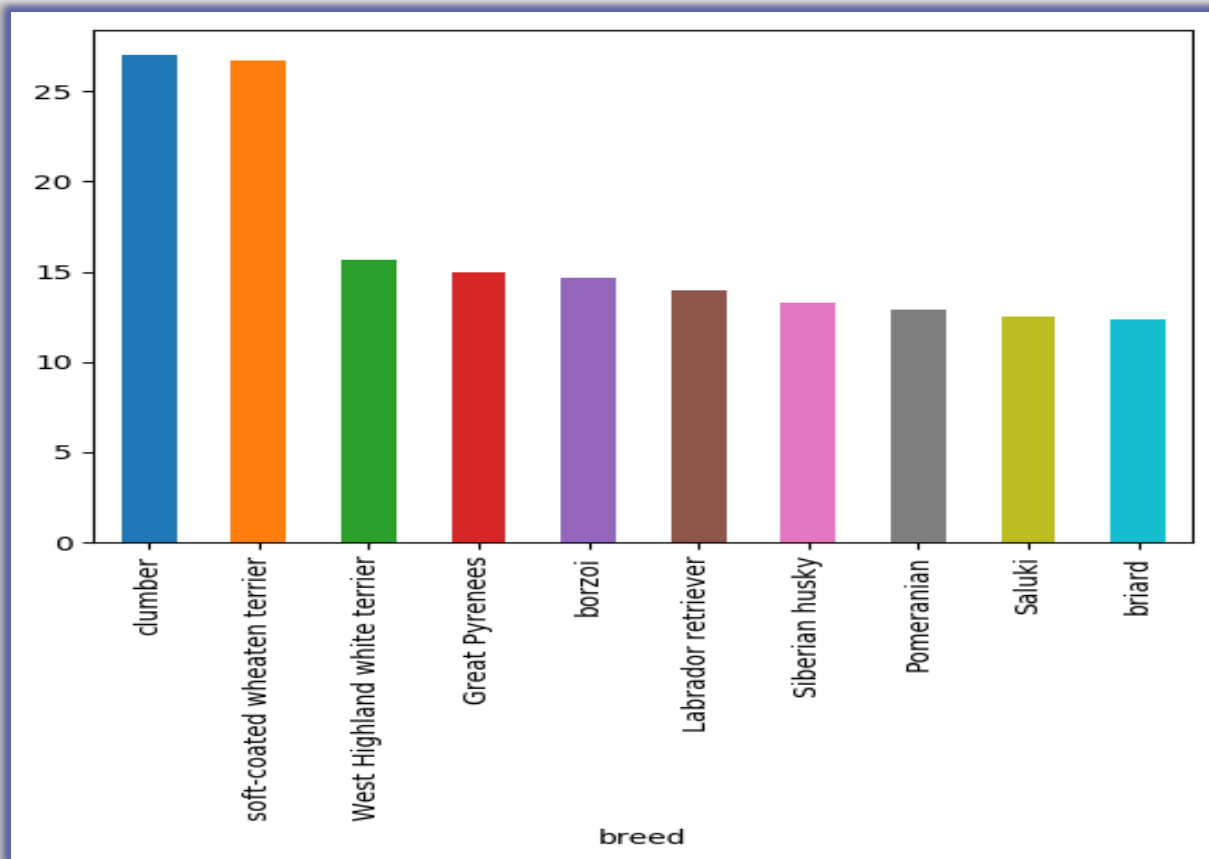

As we can see, standard poodle breed was the most retweeted with average of over 6000 retweet count.

Dog breeds and rating

Another investigating and based on the unique rating system @dog_rates account has which gives the ability to rate over 10 /10 , I found the top 10 most dog breeds with average rating and plot the relation in bar with y-axis as rating and x-axis as the name of the breed.
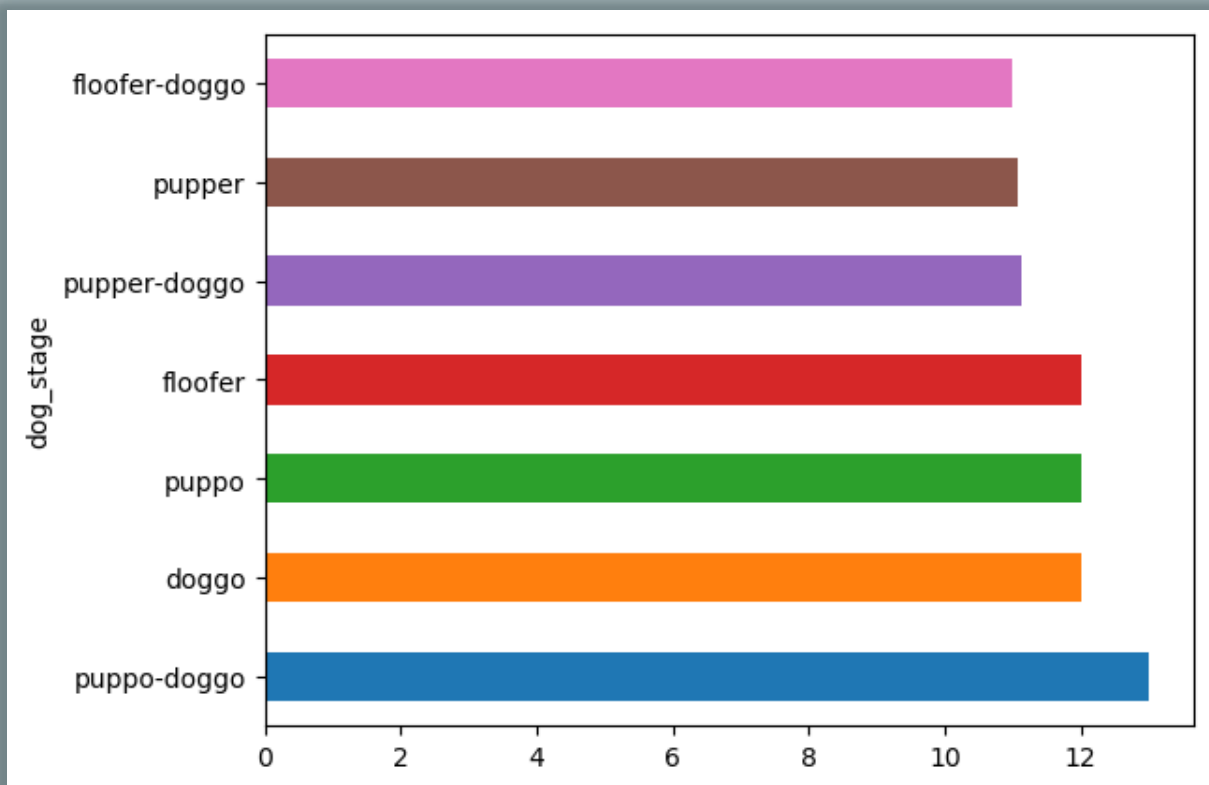

As we can see, dumber breed was the most rated with average of over 25.

Dog stages and rating

Another investigating and based on the unique rating system @dog_rates account has which gives the ability to rate over 10 /10 , I found how dog stages was rated with average rating plotted in bar with x-axis as rating and y-axis as the name of the dog stage.
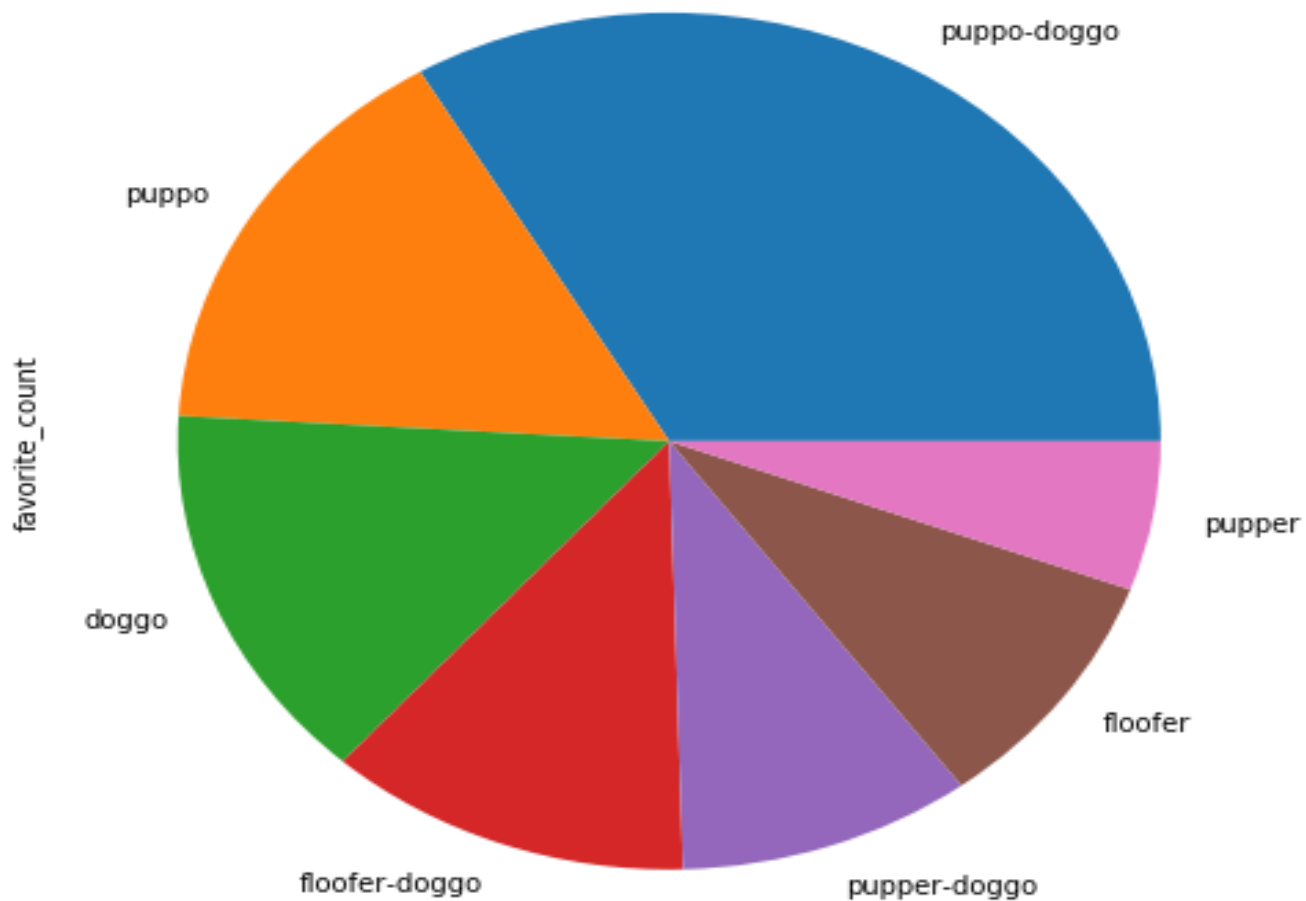

As we can see, puppo-doggo stage was the most rated with average of over 12.

Dog stages and favorite count

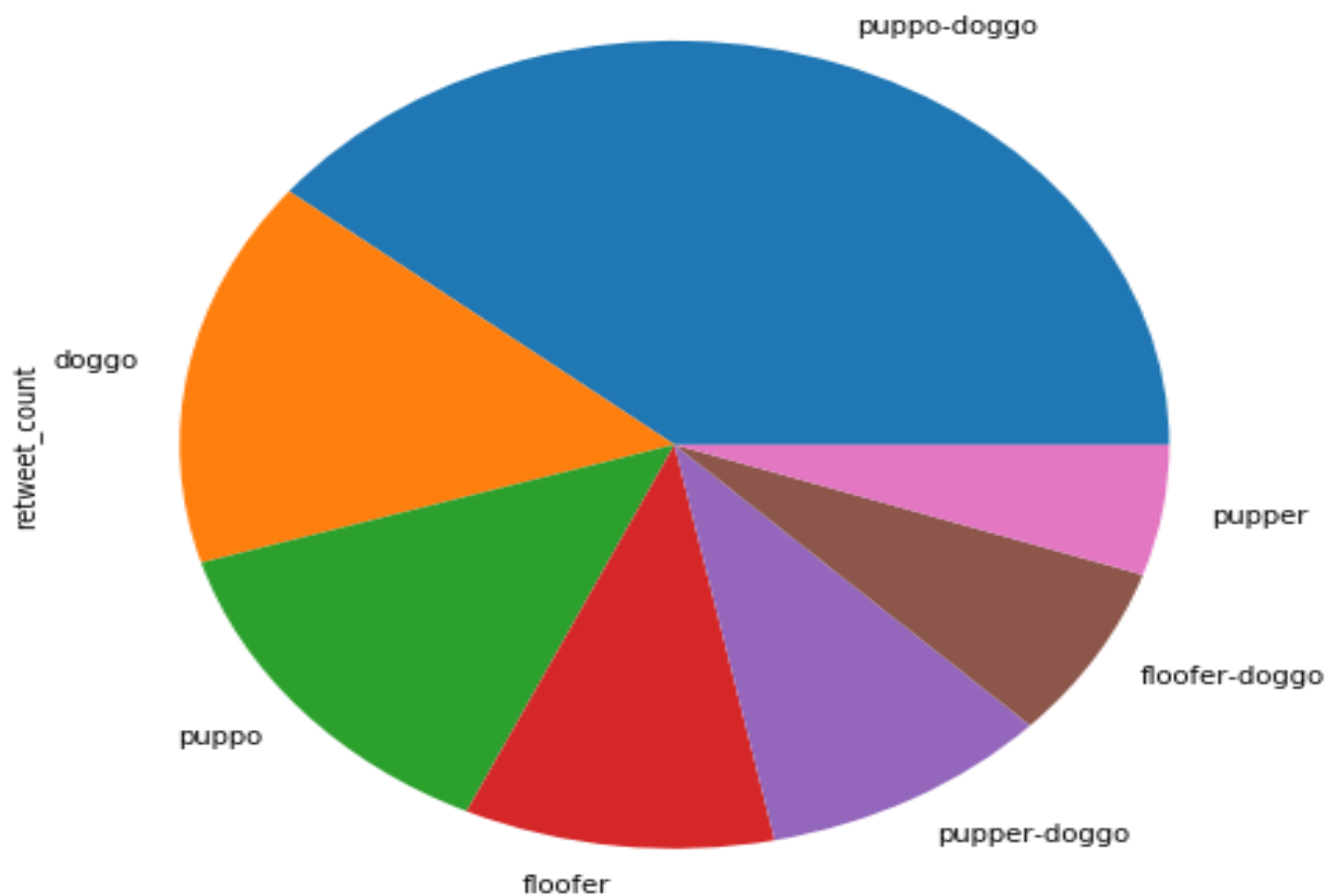Another investigating, I found how was the average favorite count of dog stages and plotted it in pie.

As we can see, puppo-doggo stage was the most favorited.

Dog stages and retweet count

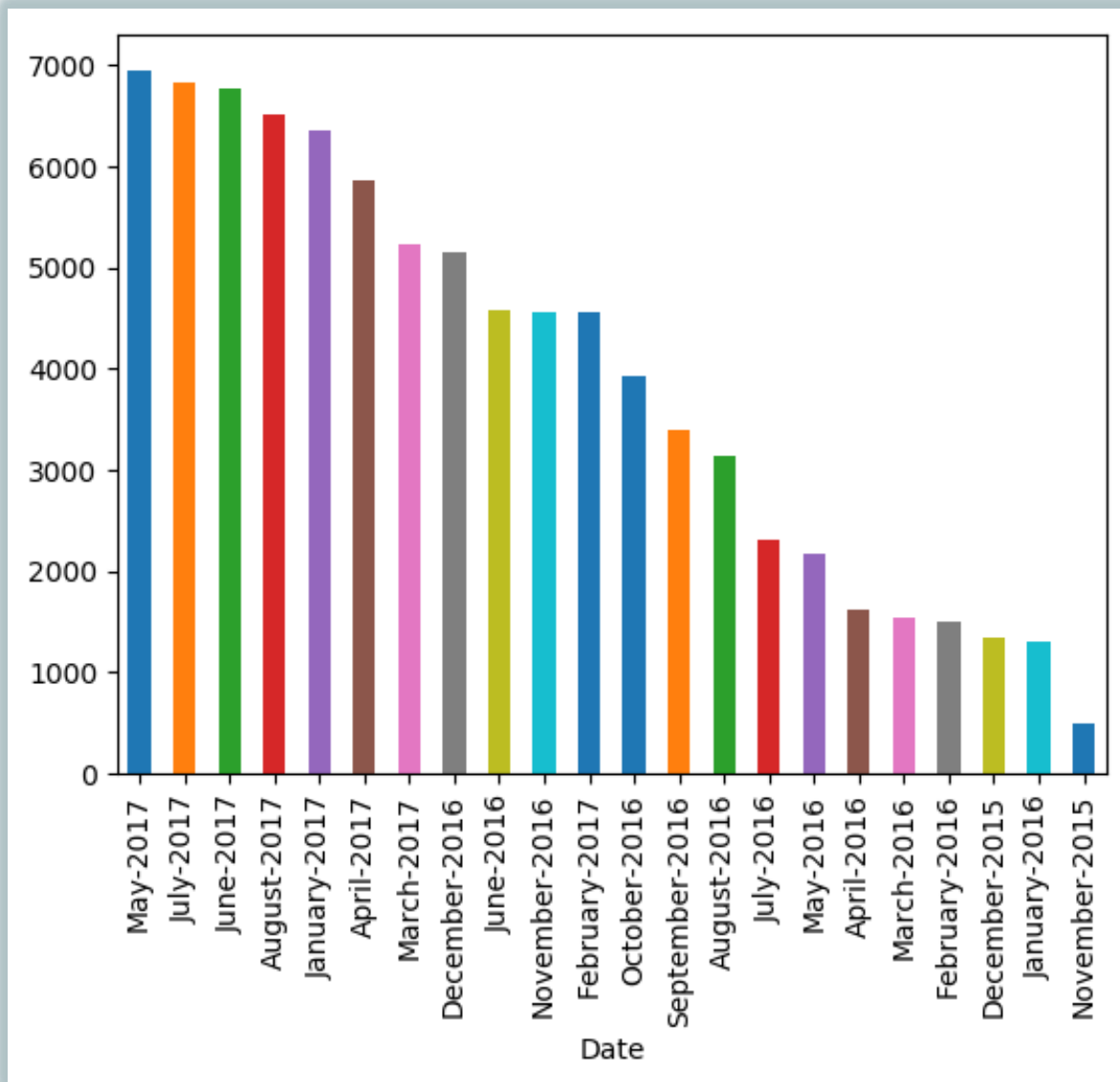Another investigating, I found how was the average retweet count of dog stages and plotted it in pie.

As we can see, puppo-doggo stage was the most retweeted.

Date and retweet count

Another investigating and based on the interaction of people with @dog_rates account, I found that there was exponential increase from November 2015 to May 2017 in average retweeting as indicated by the following figure x-axis as date and y-axis as average number of retweets.
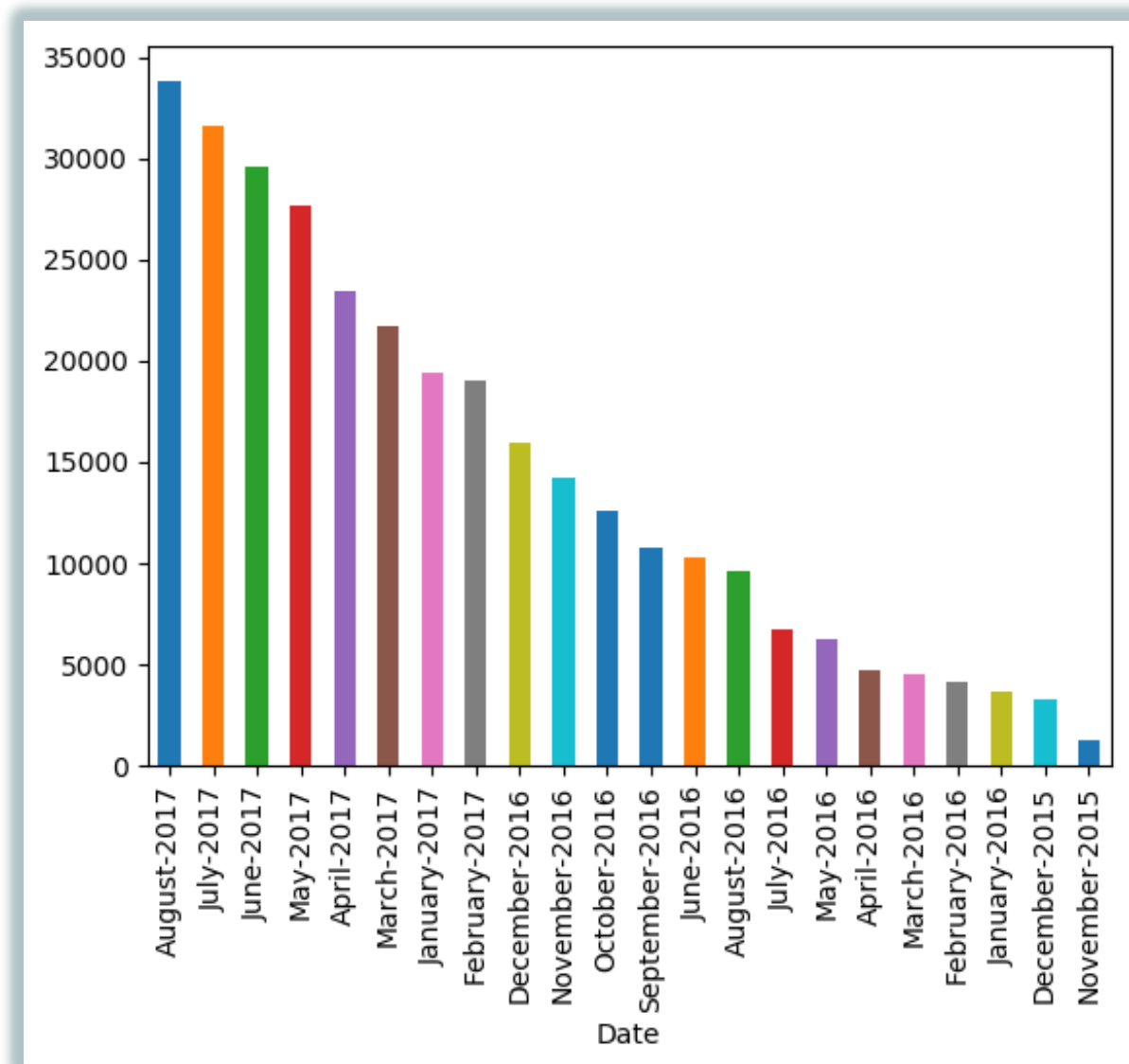

As we can see, nearly 7000 retweets done in May 2017.
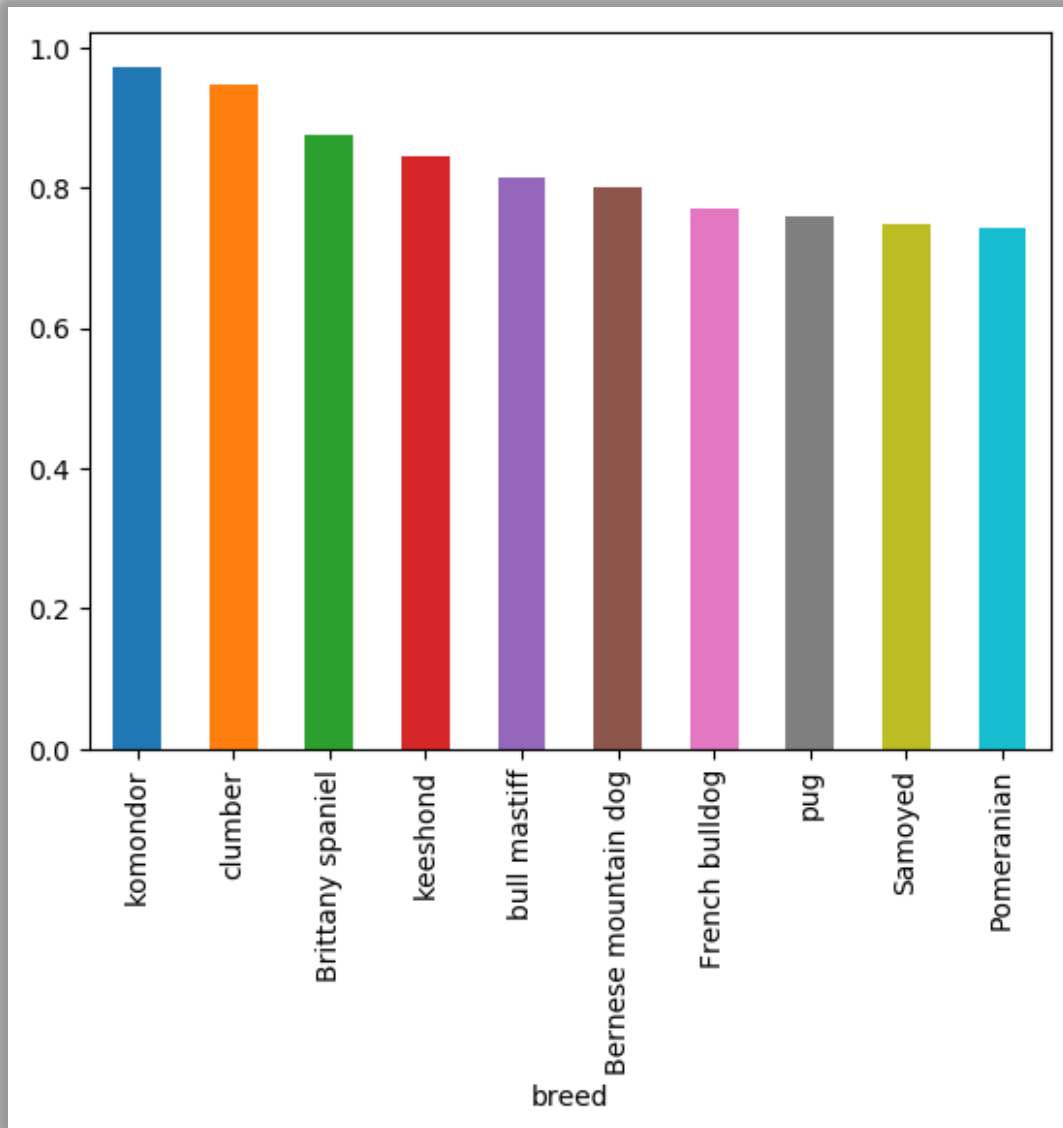
Date and favorite count

Another investigating and based on the interaction of people with @dog_rates account, I found that there was exponential increase from November 2015 to August 2017 in average favoriting as indicated by the following figure x-axis as date and y-axis as average number of favorites.

As we can see, nearly 35000 favorites done in August 2017.

Another investigating I made about how well the machine learning model in recognizing dog breeds, I found Top 10 dog breed that the model recognized well indicated by the following figure x-axis as breed name and y-axis as average accuracy.

As we can see, Komondor was the most recognized dog breed.