The following analysis is based on the previous work done on the Twitter Data Archive for the @WeRateDogs Twitter Handle.

The data has been cleaned along with an image_predictions.tsv file and data about the number of likes and retweets gotten from the Twitter API and is ready for analysis.

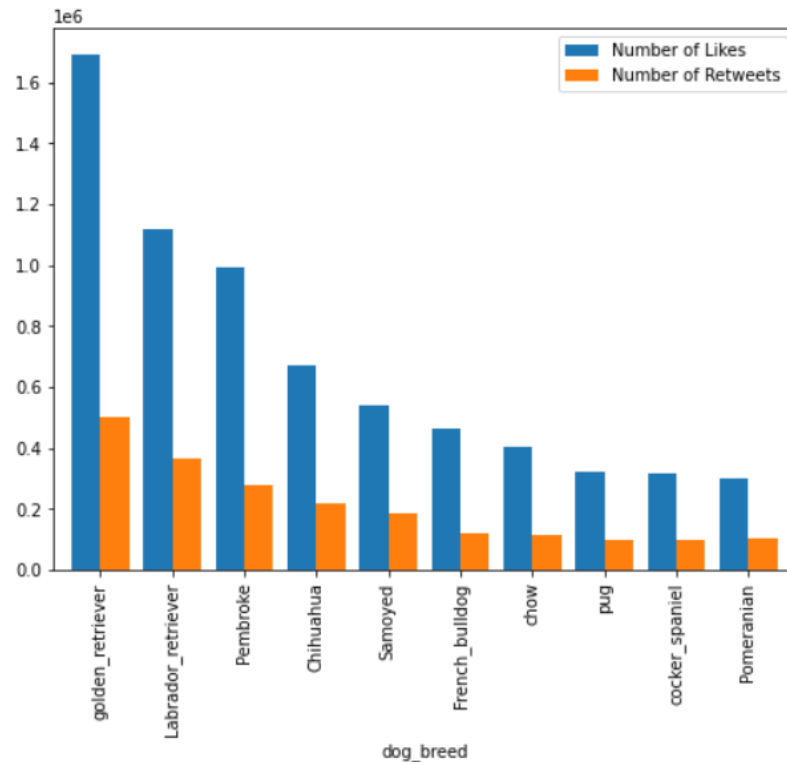The questions to be answered in this report are:

1. Which breed of dogs had the highest number of likes and retweets?

2. Which dog breed is the most liked?

3. Which dog (with a name) received the most likes and retweets?

Question 1: Which breed of dogs had the highest number of likes and retweets?

After performing some analysis with python code, the following table showing the top 10 most liked and retweeted dog breeds was derived. This table also contains the number of retweets for some side-by-side comparison

dog_breed	num_likes	num_retweets
golden_retriever	1693475	501225
Labrador_retriever	1116811	365109
Pembroke	994755	280367
Chihuahua	673526	219610
Samoyed	542991	184922
French_bulldog	465738	121782
chow	404241	116361
pug	320223	99182
cocker_spaniel	315825	100561
Pomeranian	299114	106518

The table above can also be translated into a bar chart as follows:

The answer to Question 1 is that: *"The Golden_retriever had the highest number of likes and retweets followed by the Labrador_retriever"*

Question 2: Which dog breed is the most liked?

The previous question centered on the sheer number of likes and retweets. This question centers on which dog had the highest rate of likes and retweets i.e. the number of likes and retweets per user.

To answer this question, the following table was derived through python code:
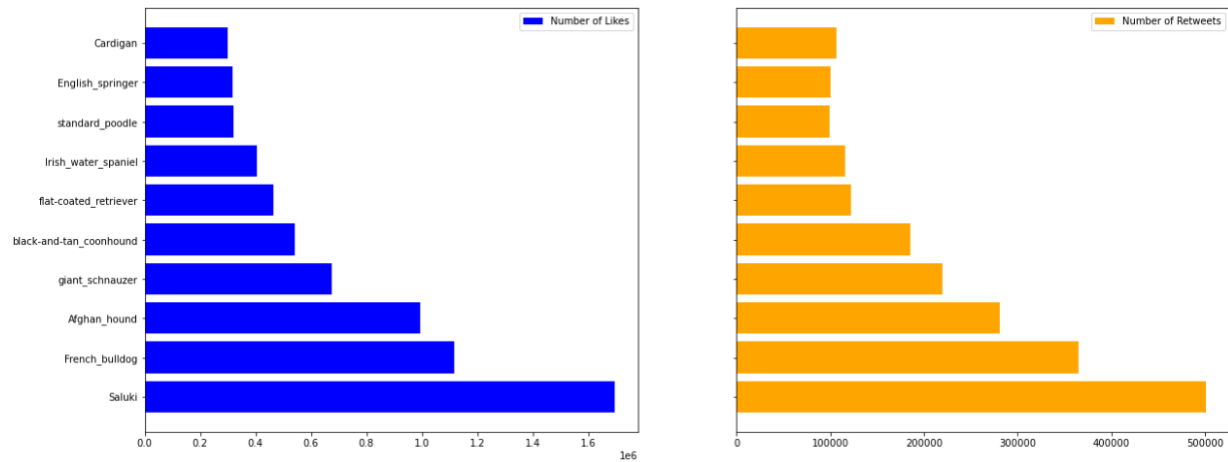
dog_breed	num_likes	num_retweets
Saluki	24060.000000	5133.750000
French_bulldog	17913.000000	4683.923077
Afghan_hound	17326.666667	5976.000000
giant_schnauzer	17314.500000	5161.500000
black-and-tan_coonhound	17012.000000	4164.500000
flat-coated_retriever	16791.625000	4520.250000
Irish_water_spaniel	16400.000000	4500.666667
standard_poodle	15786.000000	6631.857143
English_springer	15657.222222	5973.555556
Cardigan	15311.000000	4540.588235

Contrary to our conclusion earlier about the number of likes the dog breeds have acquired, it appears that a Saluki is actually the most liked dog breed.

While there were way more likes and retweets for the Golden Retriever (perhaps due to many users owning Golden Retrievers), the dog breed that accumulated the most likes and retweets per post is the Saluki.

I guess they are just too cute.

We can visualize this new insight as follows:

The answer to Question 2 is that the Saluki is clearly the most liked dog breed, to my surprise at least, given that this is the first time I have heard of such a breed name.

Question 3: Which dog (with a name) received the most likes and retweets?

This question simply answers which individual dog garnered the most likes and/or retweets. Basically, we are searching for the favored canine in perhaps all of Twitter!

The result after querying the dataset with some python code is given in the table below:

dog_name	num_likes	num_retweets
Stephan	111681	51668
Jamesy	108890	30206
Duddles	92849	37449
Bo	82705	34542
Zoey	73955	22750
Aja	69273	15803
Earl	67278	15023
Lilly	62515	15433
Canela	60188	15023
Dexter	50304	15120

The dogs rated in the @WeRateDogs Twitter Handle were really cute and they were all 100/10 for me. In honor of these awesome dogs, I dedicate this word cloud

The answer to Question 3 is that "Stephan" is the retweets and likes King!