

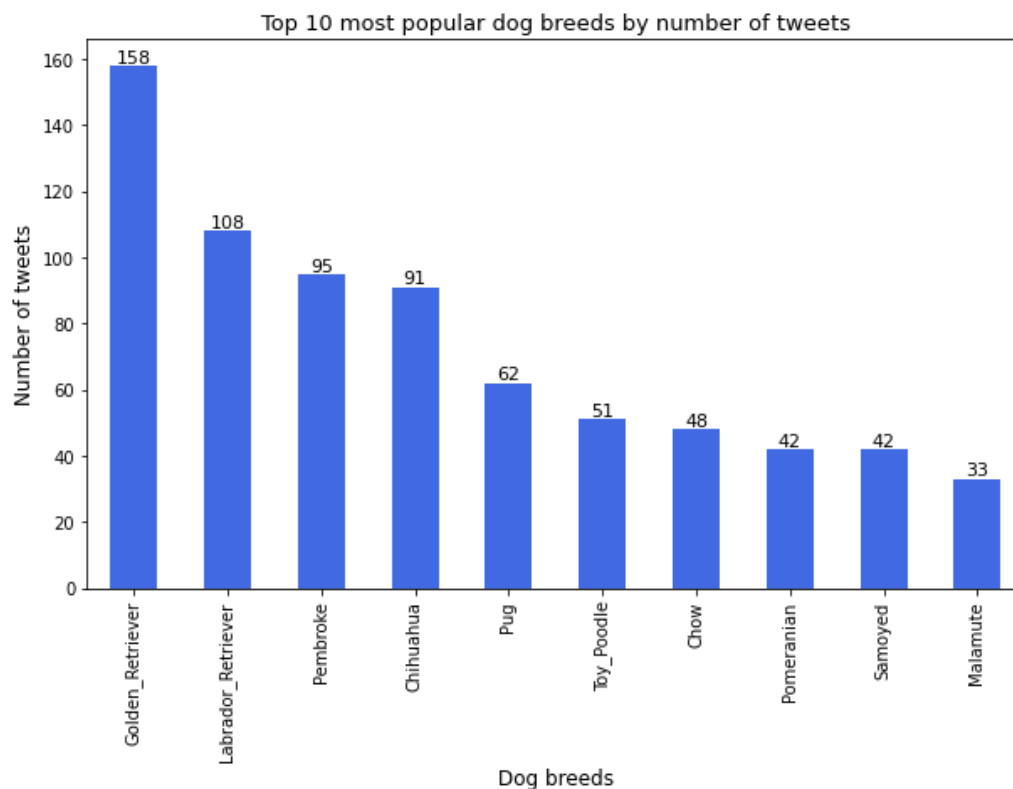
## WeRateDogs Tweet data analysis

The analysis was carried out on tweets between the periods of November 15, 2015 and August 1, 2017 posted by WeRateDogs twitter account. The datasets used for the analysis includes:

- Twitter-archive-enhanced: This contained a collation of tweets and the corresponding tweet details provided by Udacity.
- Tweet json file: This contains details of the tweets which was accessed using the Twitter API and it was from this that the retweet counts and favourite counts for each tweet was extracted.
- Image predictions tsv file: This is neural network produced file that predicts the specie of the dog from the image provided in the tweet.

Some of the questions the analysis sought to answer includes:

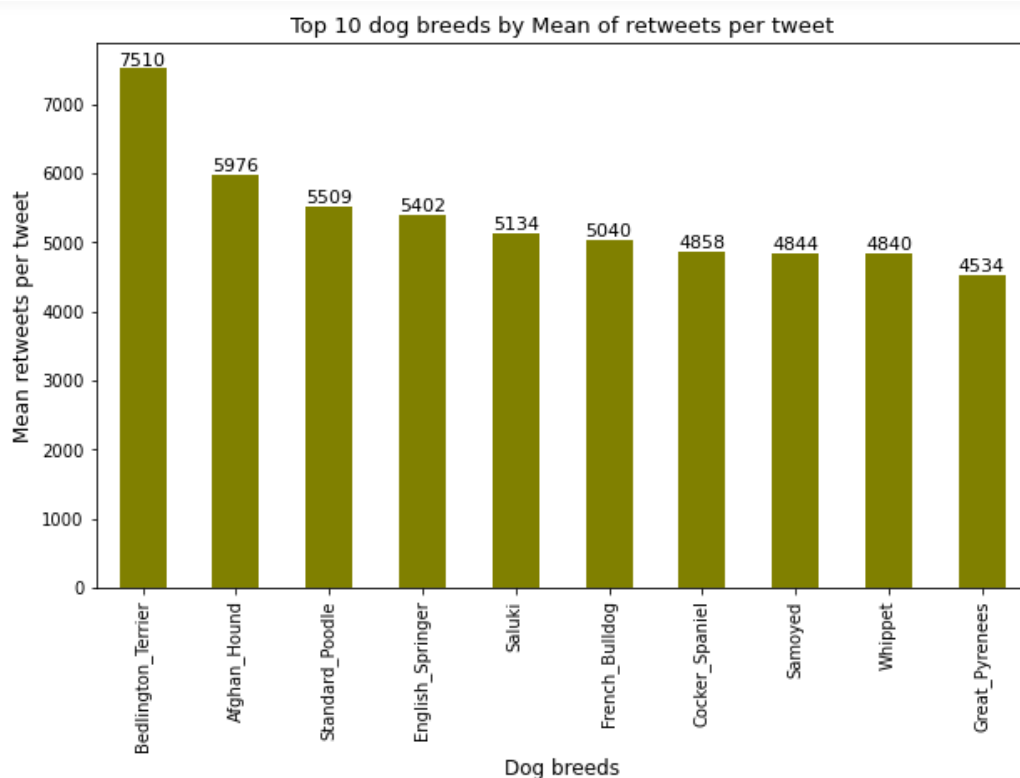
- Which dog breed appears most on WeRateDogs Twitter?
- Which breed has the highest retweet count per tweet?
- Which breed of dogs receive the highest likes per tweet?



**Fig 1**

The figure 1 above shows the top 10 breeds of dog that appear most on WeRateDogs. From the figure, the **Golden\_Retriever** is the breed that appears most on WeRateDogs with a total of 158 tweets followed by **Labrador\_Retriever** with a total of 108 tweets within the time period of the analysis.

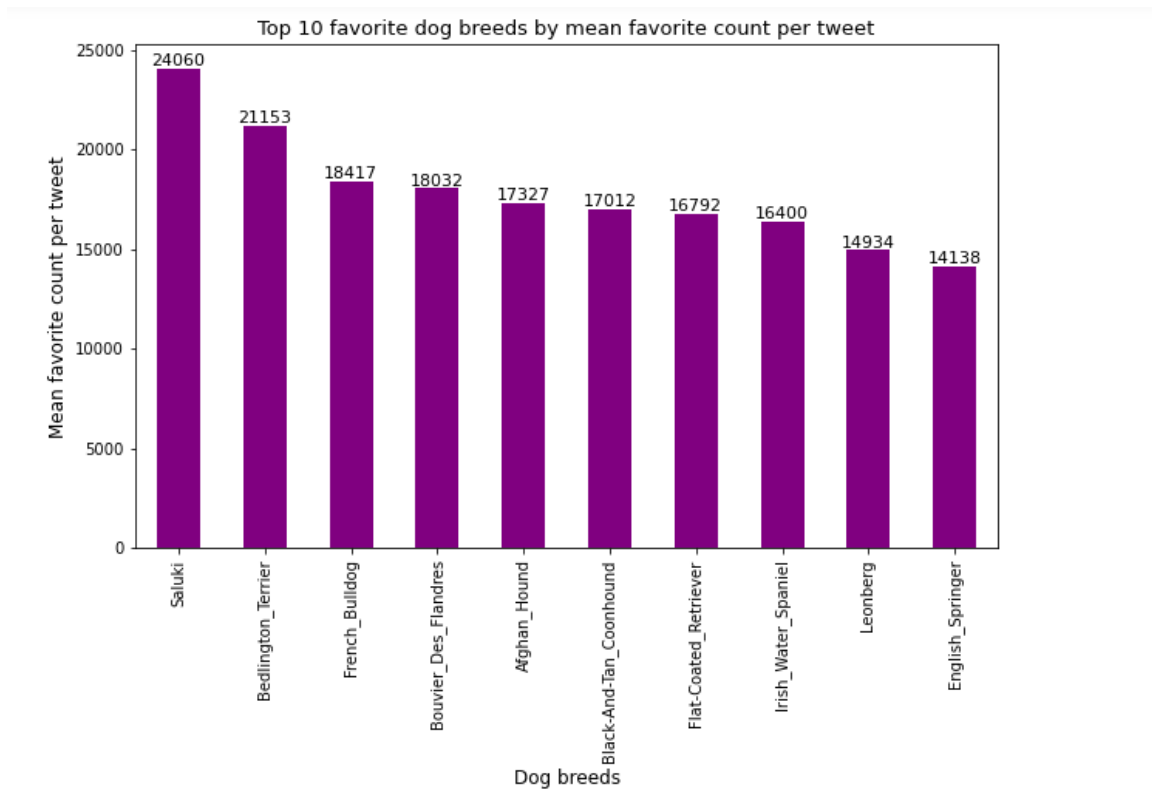
### Which breed has the highest retweet count per tweet?



**Fig 2**

Even though the golden retriever was the most common breed, the **Bedlington\_Terrier** was the breed with the highest retweet count per tweet with an approximate retweet of 7510 per tweet; followed by the **Afgan\_hound** with an approximate retweet count of 5976 per tweet.

### Which breed of dogs receive the highest likes per tweet?



**Fig 3**

From fig 3 above, the **Saluki** breed happens to be the most favourite breed with the highest approximate likes per tweet with a value of 24060 followed by the **Bedlington\_Terrier** with a value of 21153.