

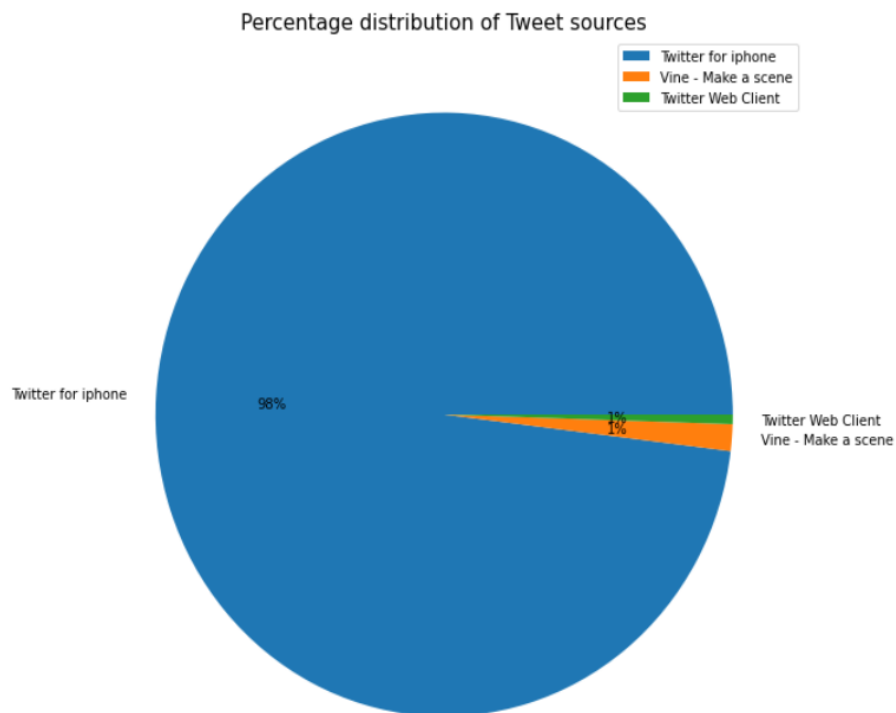
## ACT REPORT

In this phase I picked out five insights from the data, then proceeded to visualize them using matplotlib and the word cloud library

Listed below are the questions I tried to answer:

- I wanted to know the tweet source mostly used by [WeRateDogs](#)
- Most popular tweet, i.e. the tweet with the highest like and retweets
- Popular dog breed to get an idea about which breeds are mostly talked about.
- The dog with the highest rating ever
- The dog breed with the highest average retweet and highest average likes

**Question 1:** I used a pie chart to visualize the percentage distribution of tweet sources:



**Insight 1:** We find that the most common tweet source by a mile is “Twitter for iphone” meaning [WeRateDogs](#) official twitter account tweets from an iphone 98% of the time, while the other tweet sources pose 1% each.

**Question 2:** For the second question I used the “max()” function from the numpy library to generate the tweet with the highest likes and retweets.

**Insight 2:** Unsurprisingly the tweet with the highest retweet also doubles as the tweet with the highest likes.

**Tweet\_id: 744234799360020481**

**Retweet\_count: 70,474**

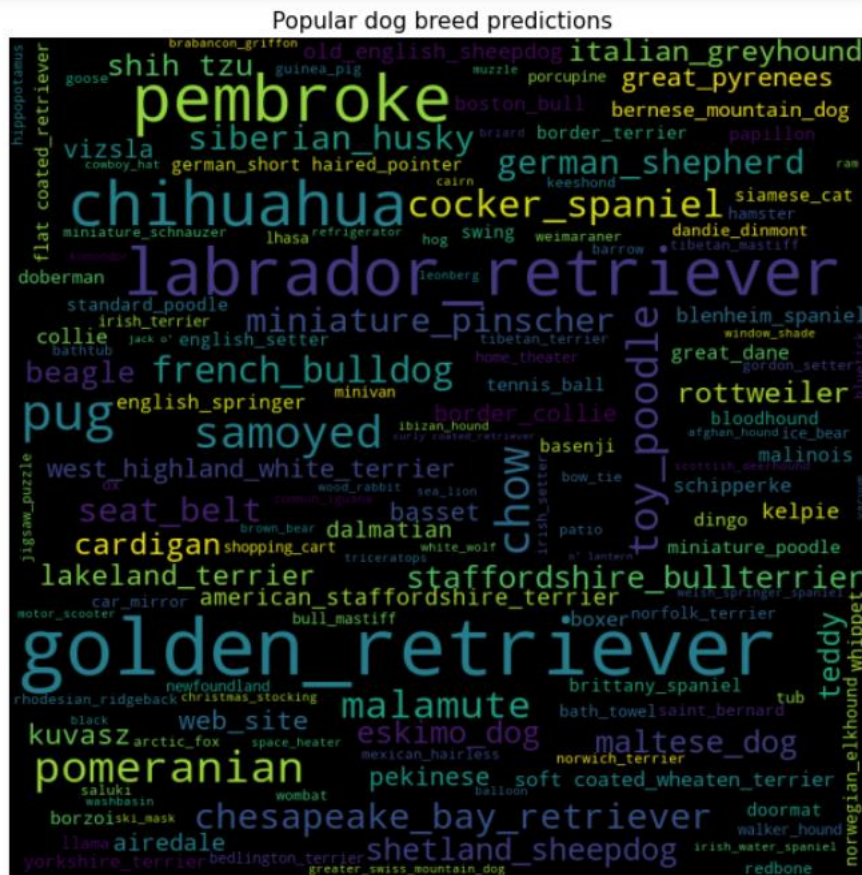
**Favorite\_count: 144,484**

I have also gone ahead to include a snapshot of the tweet as captured on twitter below.



Doggo really living the life. 🐶 🐶

**Question 3:** For the third question I used wordcloud to visualize the frequency with which each dog breed appeared in the dataframe to gain insight as to which breed is mostly popular.



**Insight 3:** Drawing inference from the visual above “Golden\_retriever”, “Labrador\_retriever”, ”Pembroke” and “Chihuahua” happens to be the most popular breeds tweeted about.

**Question 4:** For the fourth question I also used the “max()” function from the numpy library to generate the tweet with the highest numerator/rating.

**Insight 4:** A dog named Atticus happened to be the dog that enjoyed the highest rating ever, why that?

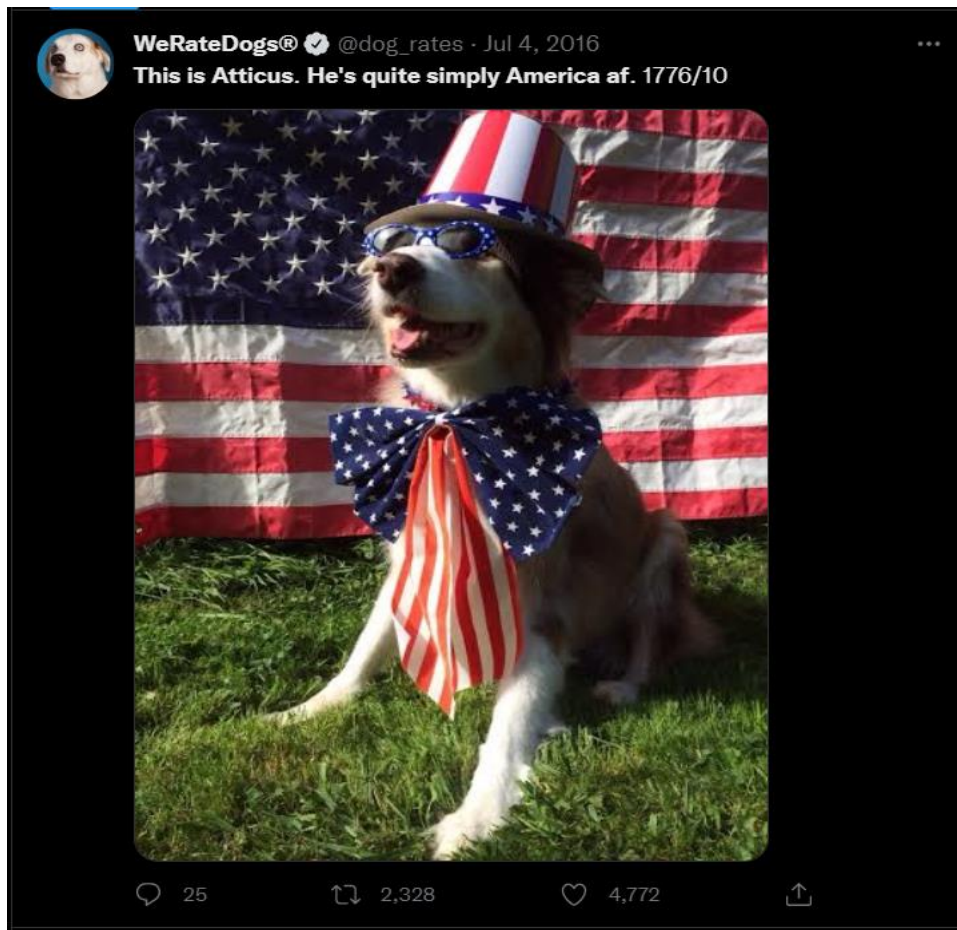
It must be interesting to see what he/she looks like.

**Rating: 1776/10**

**Tweet\_id: 749981277374128128**

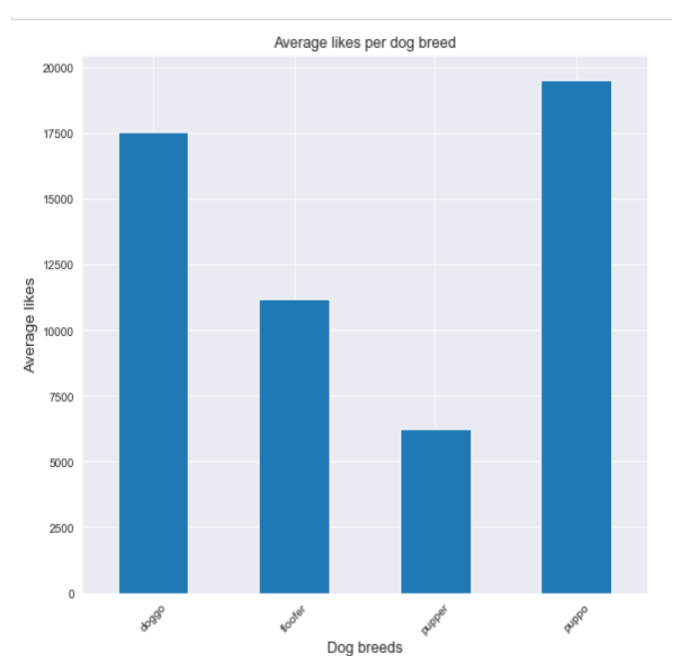
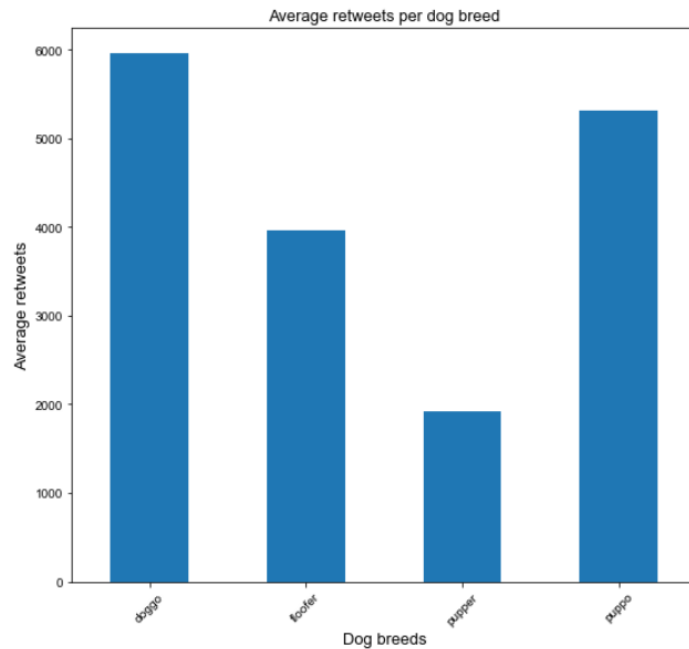
**Retweet\_count: 2,272**

**Favorite\_count: 4,772**



Cool dawg!! 😄😄😄😄 Deserved if you ask me.

**Question 5:** For the fifth and final question I plotted the average retweets and average likes on bar charts to visualize which dog breed garners most engagements



**Insight 5:** Doggo's enjoy the highest engagements when it comes to retweets while Puppo's on the other hand enjoy the highest engagements when it comes to likes.

### **Limitations**

- Not all tweets contained the dog names, it would have been beautiful to see most of the common names people named their dogs.
- People tweet pictures of other objects/animals at [WeRateDogs](https://www.werate.com) asking for ratings, and this tweets are also contained in this data as some of them received ratings nevertheless.