

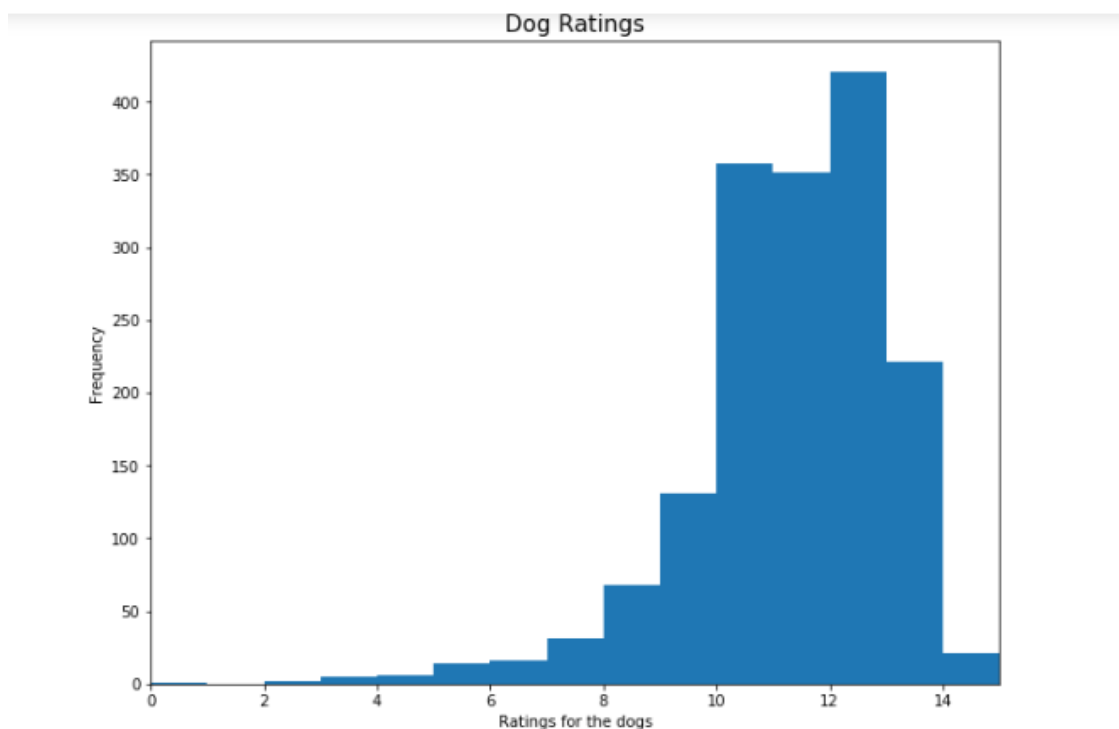
### **Problem Statement:**

Twitter data regarding the twitter user dog\_rates has to be wrangled, analysed and visualized to gain insights about the data. Data had to be gathered by multiple sources such as twitter archive given as a .csv file, twitter API and Image prediction file obtained by accessing a URL provided. Gathered data needs to be accessed and cleaned as it is both dirty and messy. Only after cleaning, the data becomes worthy enough for analysing and subsequent visualizing.

Analysis and Insights into final data:

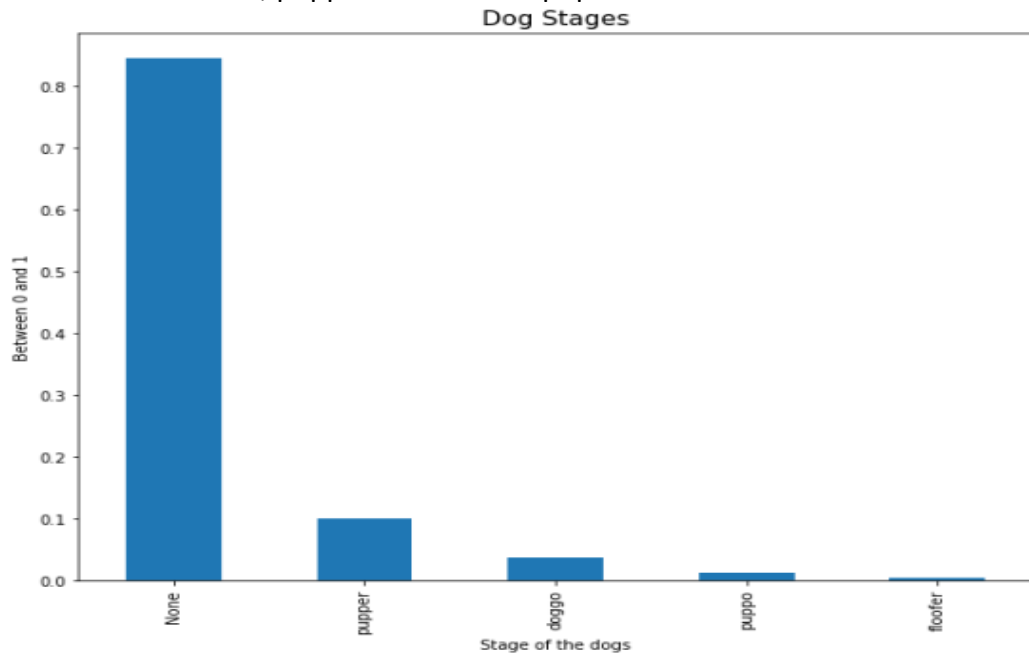
1. Rating given to dogs by most tweeples:

Most tweeples have given 12 rating for the dogs. Dogs are so adorable and they are rated 13 out of 10 for their extra cuteness.



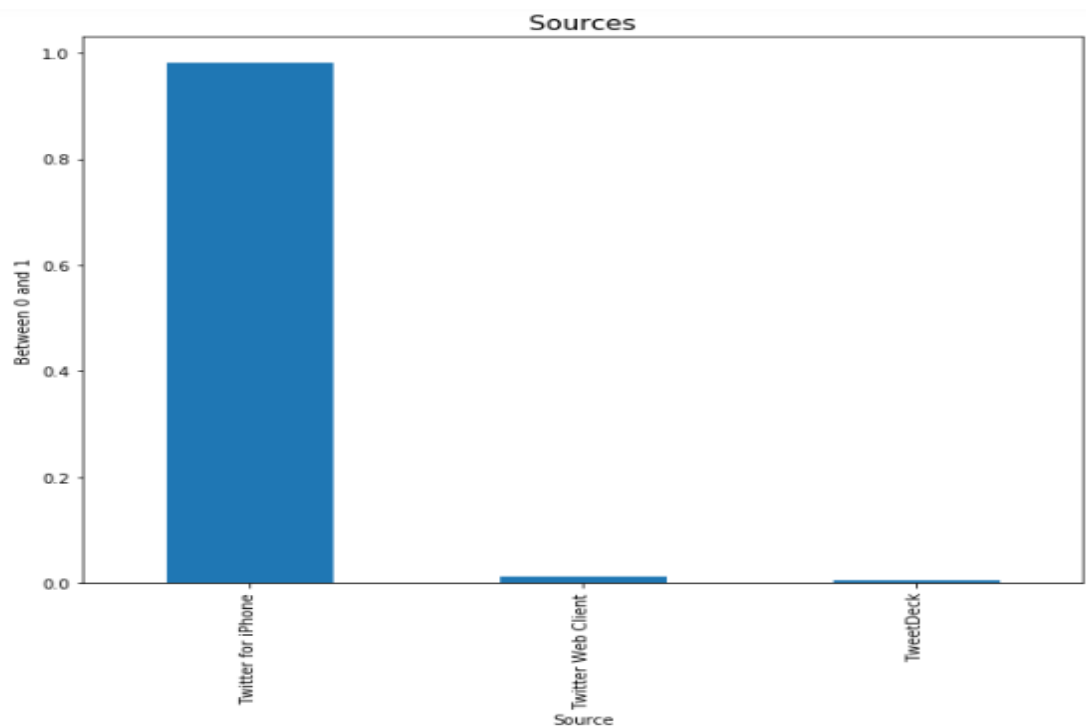
## 2. Distribution of dog stages:

Around 85% of tweets are without dog stage names, but based on the ones which have been mentioned, puppies seem to be popular.

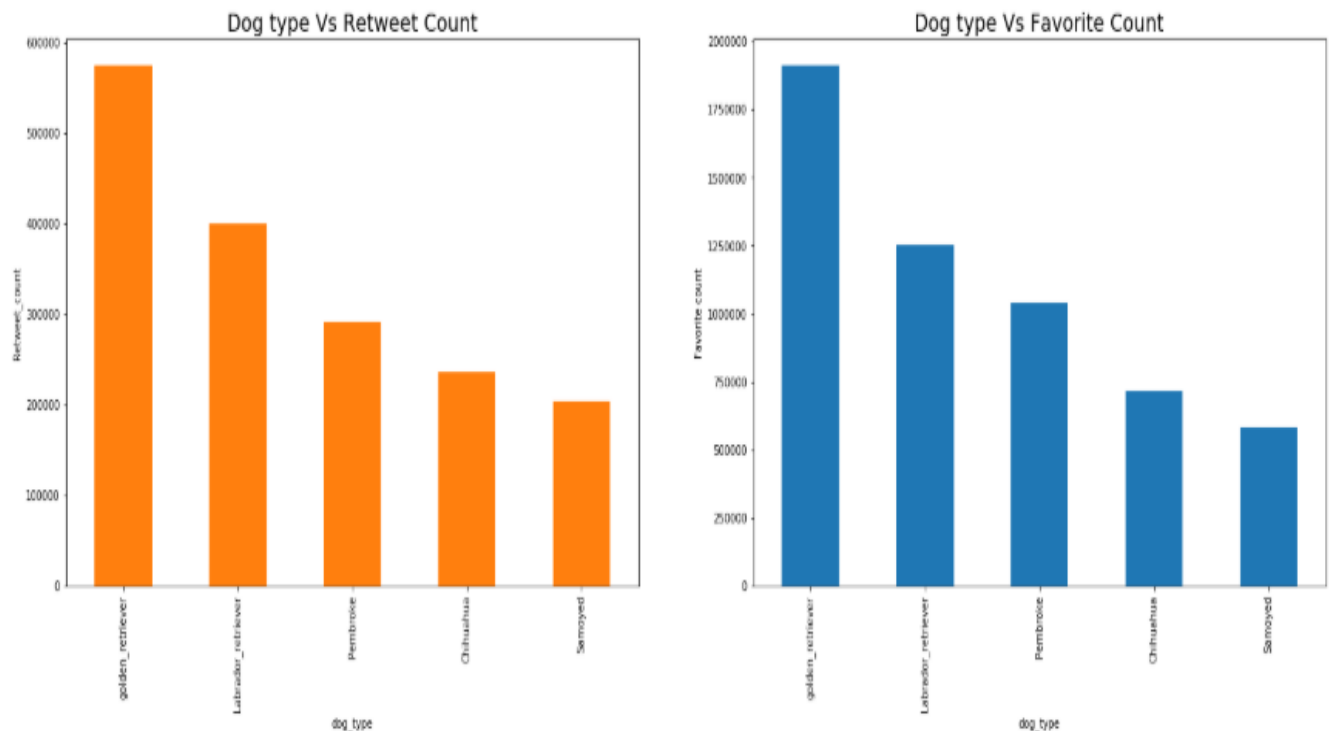


## 3. Popular source for tweeting

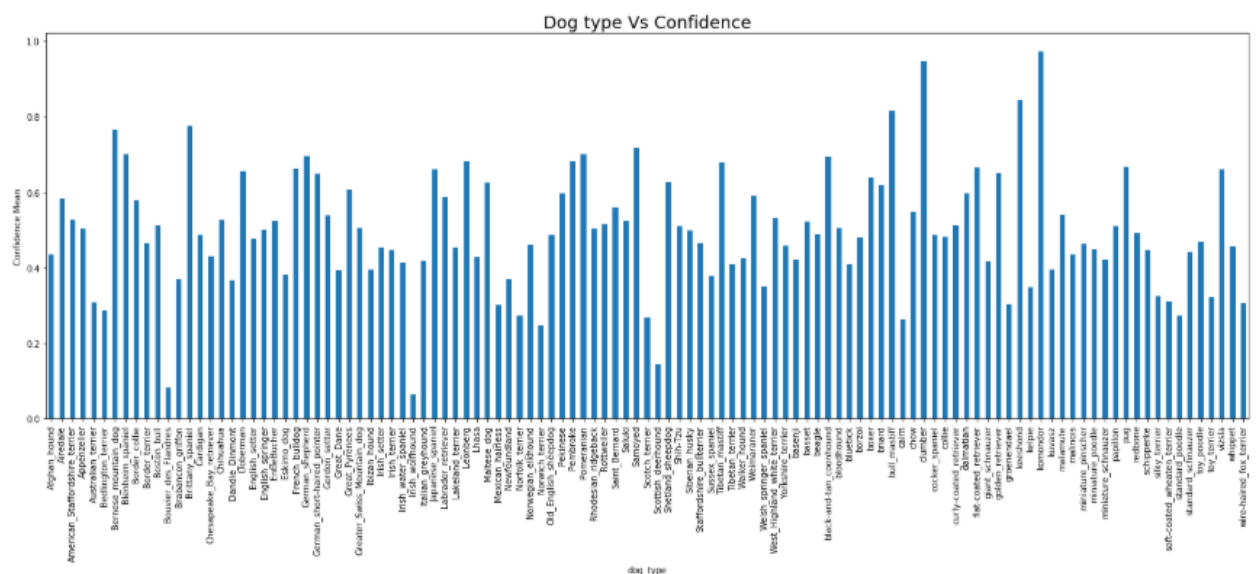
Popular source for tweeting is twitter for iPhone. It's justified as most of us, prefer tweeting through our phones which are handy and can be accessed almost immediately.



4. Favorite dog of tweeples based on favorite\_count and retweet\_count:  
Based on favourite count as well as retweet count Golden retriever is the most liked dog type.



5. Which dog is described well by the confidence instilled by the model?  
Komondor dog breed is identified by the model with 98% confidence. These dogs generally have long fur unless groomed well.  
Irish wolfhound is identified poorly. Model needs to be trained with additional data for this dog breed to make a better decision.



6. Relationship between retweet\_count and favorite\_count:

Retweet count and favourite counts are positively correlated. As retweets increase, popularity and thus those images are starred as most favourite by the tweeples.

