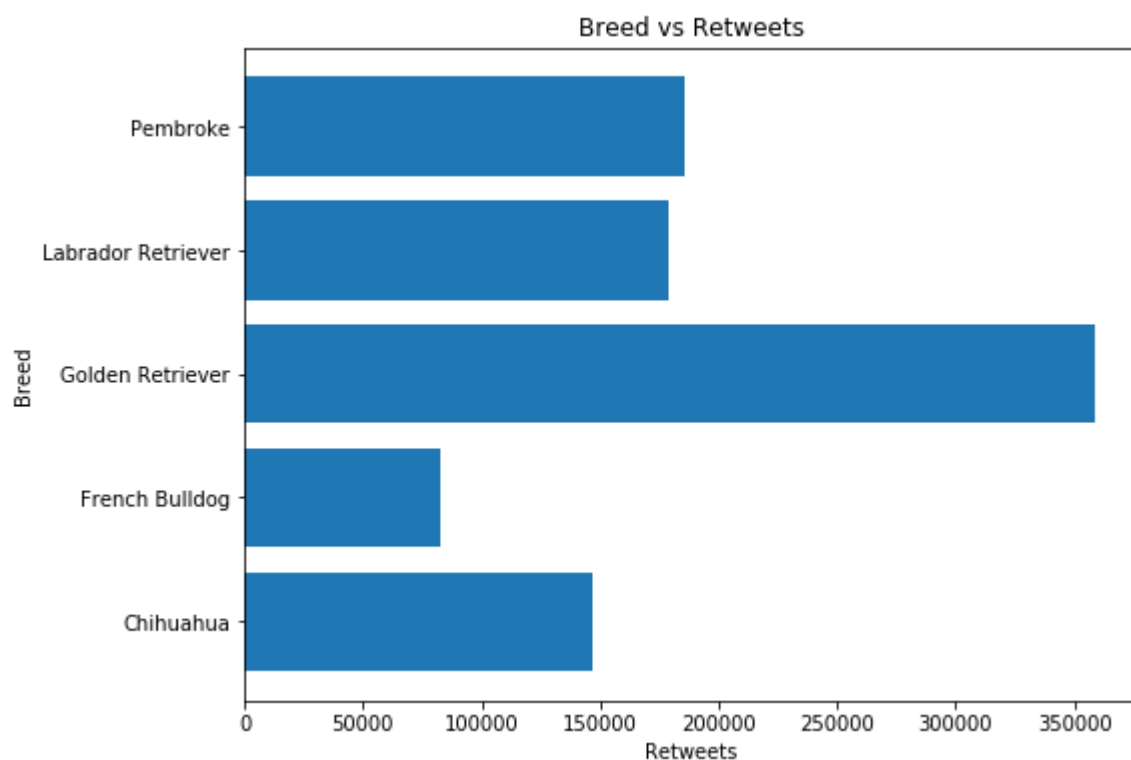# @dog_rates Twitter Analysis

Introduction:

This report is a part of the Udacity Data Analyst Nanodegree's Wrangle and Analyse Project. It includes a few insights along with visualizations about the twitter account @dog_rates. The twitter account rates peoples' dogs in a humorous way and the ratings are mostly of the format 13/10, 14/10, etc. After wrangling the tweet data, it was analysed thoroughly and observations were recorded. The following paragraphs include the aforementioned analyses and observations.

Insights and Analyses:

1. **Dog Breeds that receive most number of retweets:** The account contains 5000 + tweets. This report however provides an analysis of around 1500 tweets. After grouping retweet count on the basis of dog breed it was observed that tweets about Golden Retrievers gained the maximum amount of retweets. The following table displays total retweets received and dog breeds associated with the tweets, for top five dog breeds.
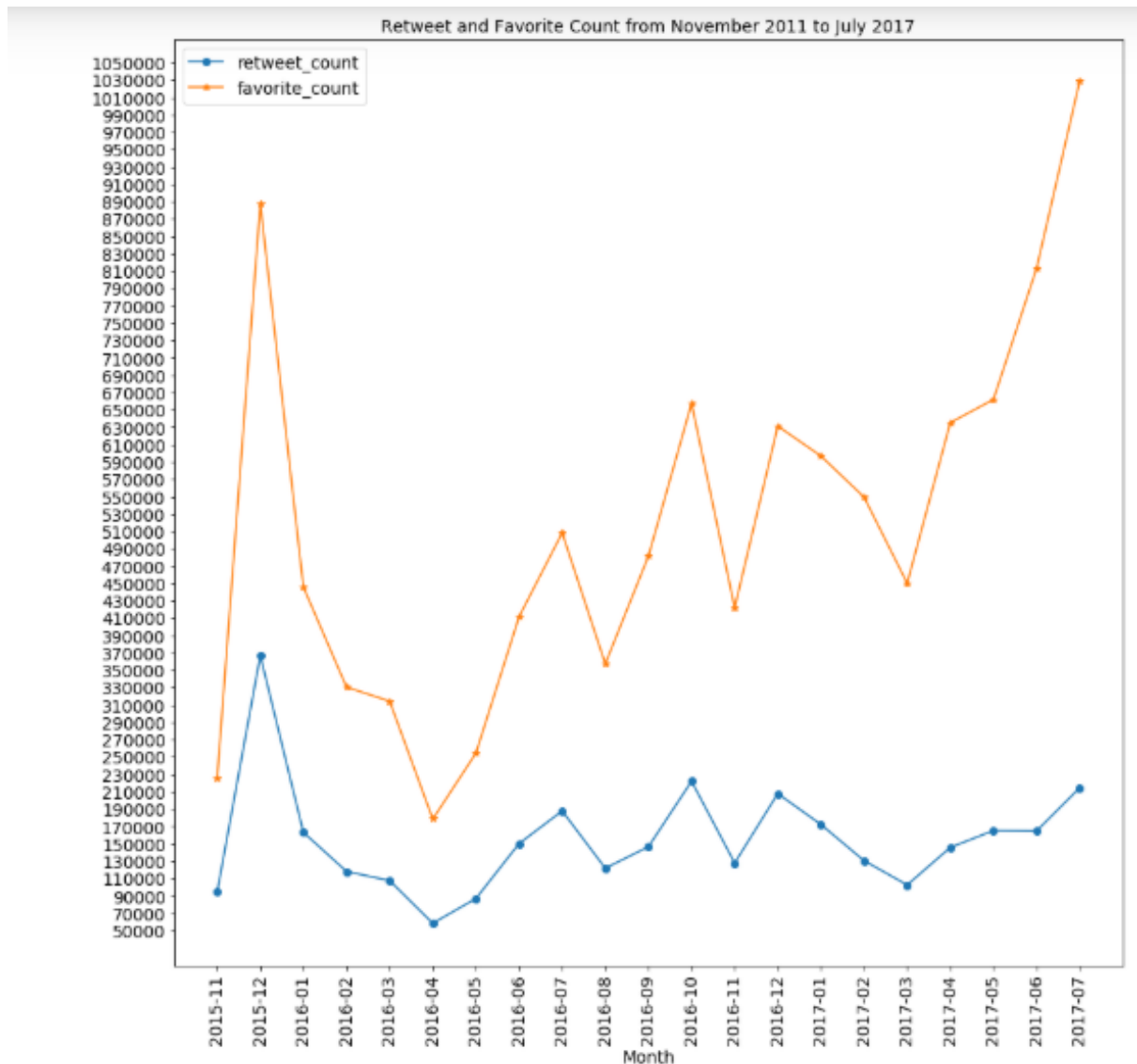
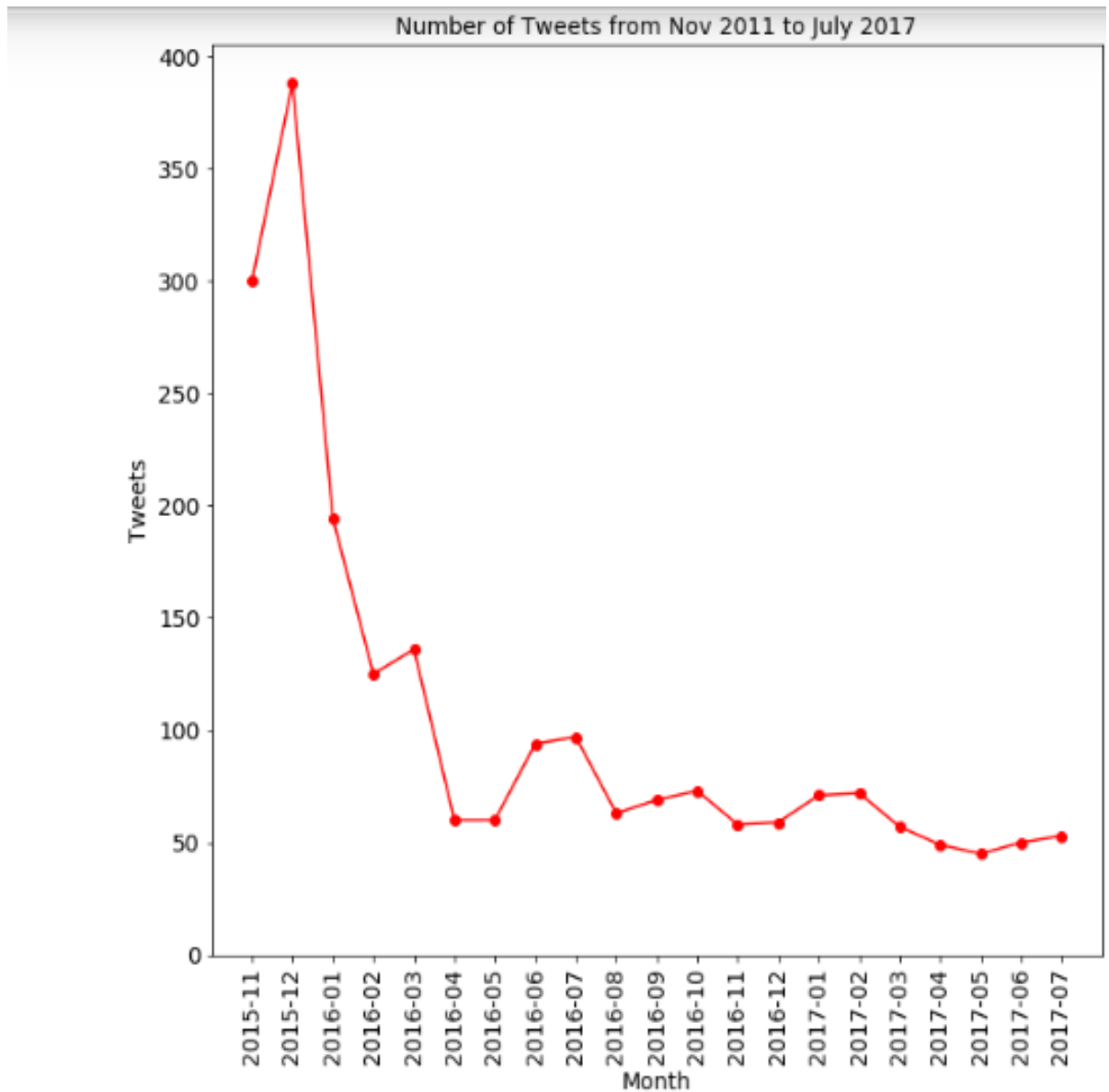| Dog Breed	Retweet Count
Golden Retriever	358957
Pembroke	185728
Labrador Retriever	178721
Chihuahua	147133
French Bulldog	83052

Below is a horizontal bar chart of the above data.

2. **Retweets and Favourites received by the account (November 2015 – July 2017):**
The number of retweets and favourites were grouped by the month in which they occurred starting from November 2015 to July 2017. It can be observed that the number of favourites has always been more than the number of retweets for the account, during the mentioned period the account received most number of retweets in December 2015 and most number of favourites in July 2017. April 2016 was not a good month since the lowest retweets and favourites were from that period. The following line chart provides a more visual analysis of the retweet count and favourite count.

3. **Tweets made by @dog_rates account (November 2015 – July 2017):** It can be observed that tweet_count has decreased drastically since December 2012. The maximum number of tweets were made during December 2012. The following line chart shows the tweets that were made by @dog_rates in each month starting from November 2015 to July 2017(August 2017 is excluded since the number of days are not comparable).

Number of Tweets from Nov 2011 to July 2017

4. **Dog Breeds associated with highest median rating:** Median Rating was calculated for each dog breed, it was observed that the highest median rating was received by three dog breeds namely – Afghan Hound, Saluki and Bouvier Des Flandres which was 13/10**.** The following graph shows the top ten median ratings received by dog breeds. Note that the ratings on the horizontal axis must be multiplied by 10 and appended with '/10', so 1.3 actually represents 13/10, 1.2 actually represents 12/10 so on so forth.