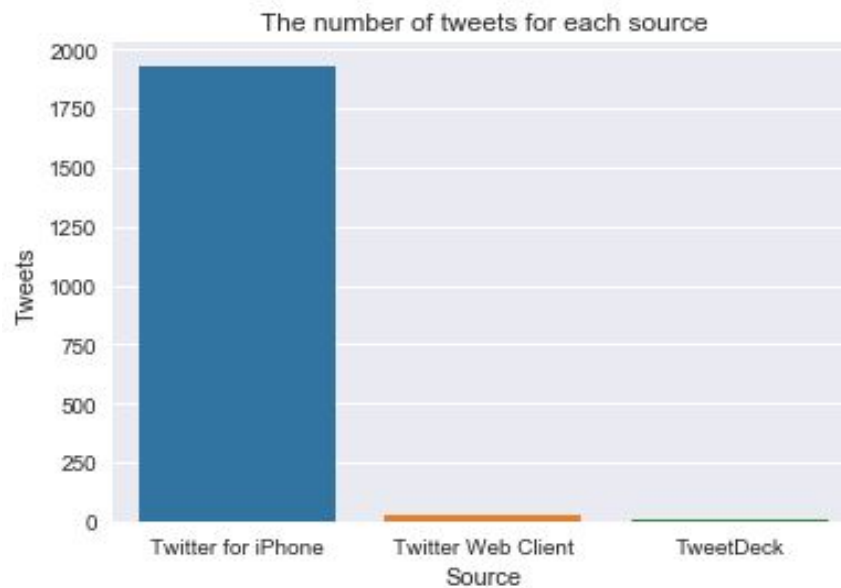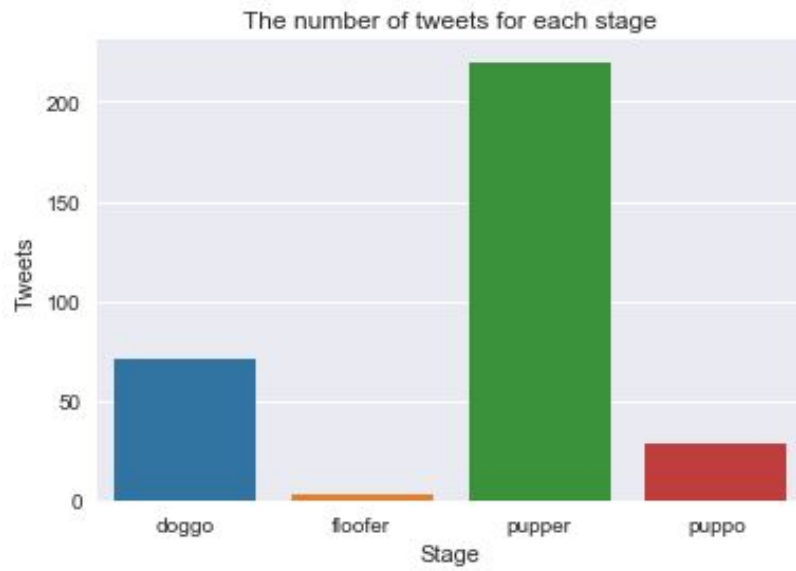# Weratedogs analysis

Introduction

WeRateDogs is a Twitter channel that rates people's dogs with a humorous comment about the dog. It was started in 2015 by college student Matt Nelson. This dataset runs from November 2015 up to august 2017.
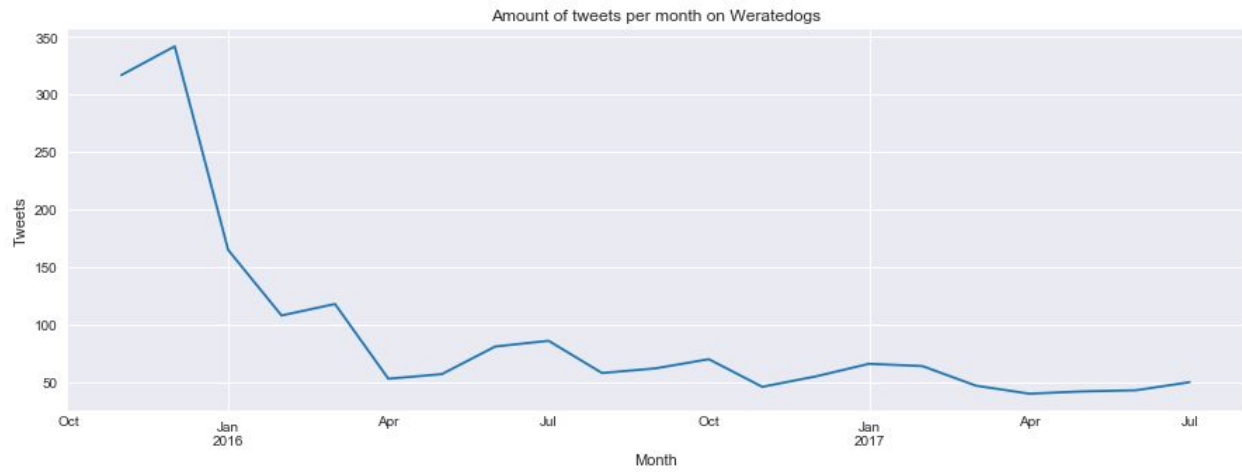
Tweets by source

This plot shows the tweets per source. THe number of tweets from the iPhone client dwarfs the others sources.

Tweets by dog stage

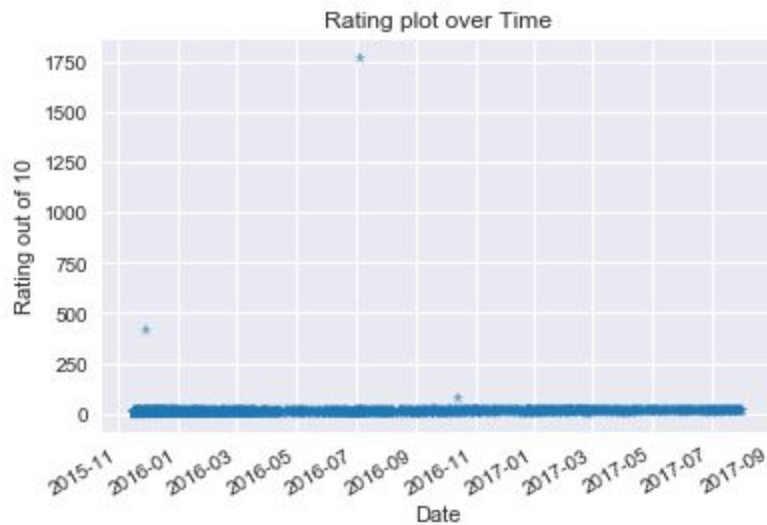The number of tweets for each stage

Puppers are by far the dogs most tweeted about. Followed at some distance by doggo and puppo. Foofer is hardly present at all.
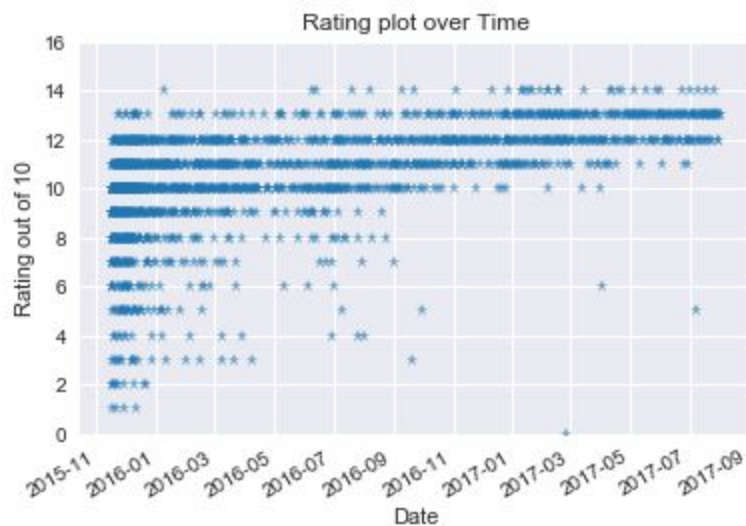
Dog tweets over time

The plot above shows a high rate of weets at the beginning of weratedogs followed by a rapid decay. From April 2016 up to July 2017 (the end of the dataset) the amount of tweets is fluctuating from 40 to 90 tweets per month. Note that these are original tweets, retweets have been eliminated from the dataset.
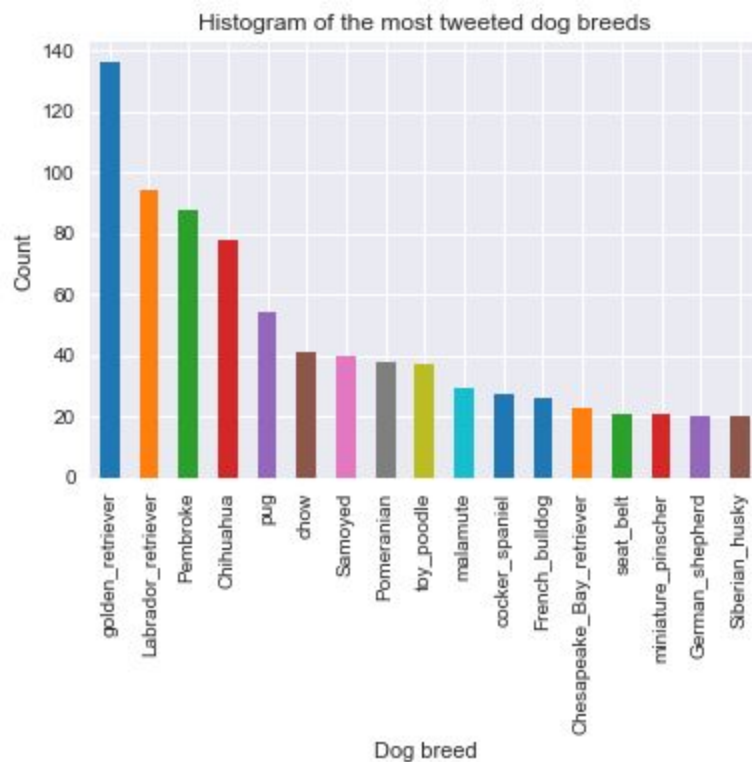
Rating inflation

Rating plot over Time

I wanted to print the rating that are given to dogs over time. In my first attempt shown above I noticed there were a few outliers that dominated the plot. So In the plot below I limited the y axis. A little bit of trial showed that a limit from 0 to 16 gave the best results.
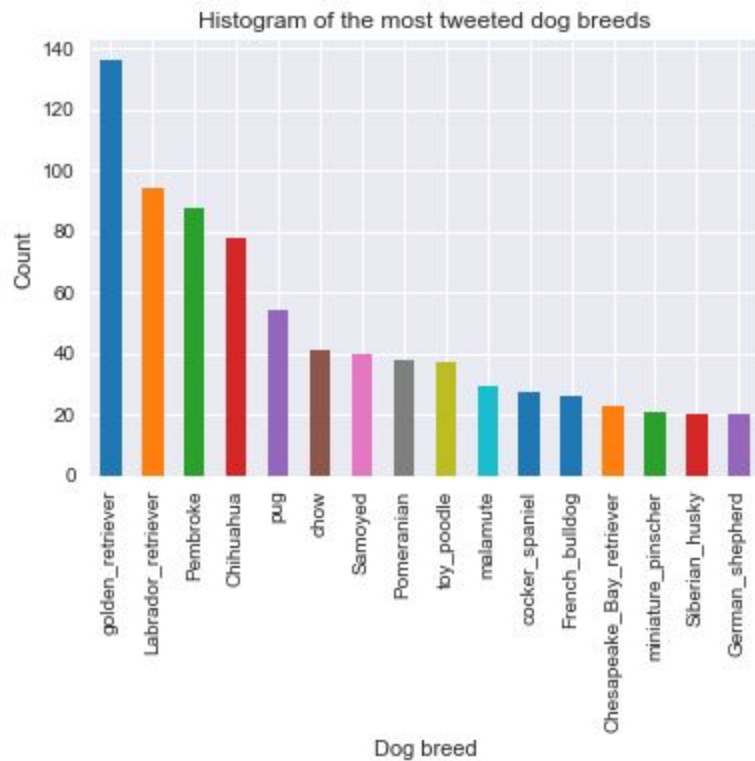

Rating plot over Time

The plot above clearly shows that lower ratings lower ratings were given mainly at the beginning of weratedogs. Higher ratings as 13/10 and 14/10 were rare at the beginning and more prevalent at the end of our dataset.

The most popular dog breeds

Histogram of the most tweeted dog breeds

The plot shows the 20 most tweeted dog breeds. I had to limit the number of breeds to 20 otherwise the plot became unreadable. Note that not every "breed" is actually a dog. While I am not an expert on dogs I am pretty sure there is no dog breed called "seat belt". So for the plot on the next page I am filtering out the tweets where the neural network identified the picture as not a dog.

Histogram of the most tweeted dog breeds

Interestingly when tweets are filtered out that the neural network identified as not a dog I am left with only 14 breeds. Machine learning is not yet perfect though, "toy poodle" and "miniature pinscher" are identified as dogs. Anyway the golden retriever is by far the most popular dog.