

Act Report

Udacity – Data Wrangling & Analysis

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Introduction

“They’re good dogs Brent”. That one tweet from an, at the time, mostly unknown Twitter account @dog_rates took the internet by storm and become one of the most popular memes of 2016. With that one tweet, WeRateDogs rose in popularity.



The Twitter account WeRateDogs asks people to send photos of their dogs, then tweets selected photos rating and a humorous comment. Dogs are rated using a very unorthodox system. The denominators are almost always a 10, but the numerators could be anything. In most cases the numerators are over 10, because “they’re good dogs Brent”

We wanted to have some fun so we decided to dive into these ratings to see what we could find. The WeRateDogs Twitter account contains over 5000 tweets and combined with some image files and retweet and favorite counts we can get a full picture of the sites ratings.

Once we gathered, assessed, and cleaned the data it was time to do some analysis. We focused on three questions

1. What is the most common dog type?
2. Is there a correlation between retweets & likes?
3. What did the rating distributions look like?

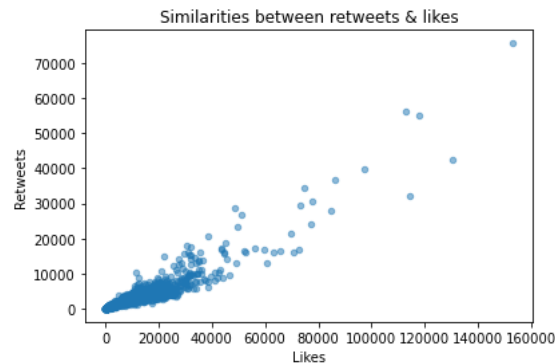
Question 1 – What is the most common dog type?

Part of the data contained a prediction engine that used AI to guess the dog breed based off of the picture provided. Using these predictions we were able to determine the most popular breeds:

1. Golden Retriever (158)
2. Labrador Retriever (106)
3. Pembroke (95)
4. Chihuahua (91)
5. Pug (62)

Question 2 - Is there a correlation between retweets & likes?

Popularity on Twitter can be easily summed up in how many likes and retweets a post receives. We wanted to determine if there was a relationship between likes and retweets.



As you can see from the scatterplot above, there is an strong correlation between retweets and likes. The data shows that with increased retweets, likes increase as well. In case you were wondering, I definitely was, what is that one blue dot in the top right corner well away from everything else. It happens to be this adorable Golden Retriever pictured below with the comment "Here's a doggo realizing you can stand in a pool. 13/10 enlightened af"



Question 3 - What did the rating distributions look like?

Our final question was to determine if people really love their dogs. We did this by looking at the rating numerators. Our analysis backed up our initial thoughts, yes "they're good dogs Brent". The four most popular ratings were all over a 10, giving these dogs a rating at 100% or greater.

