Let's Analyze WeRateDogs

WeRateDogs is a Twitter account that scores people's pets and includes a funny comment about the dog. The account was created in 2015 by college student Matt Nelson, and it has attracted international media attention for its popularity as well as the attention raised to social media copyright law after it was suspended by Twitter for violating these rules.
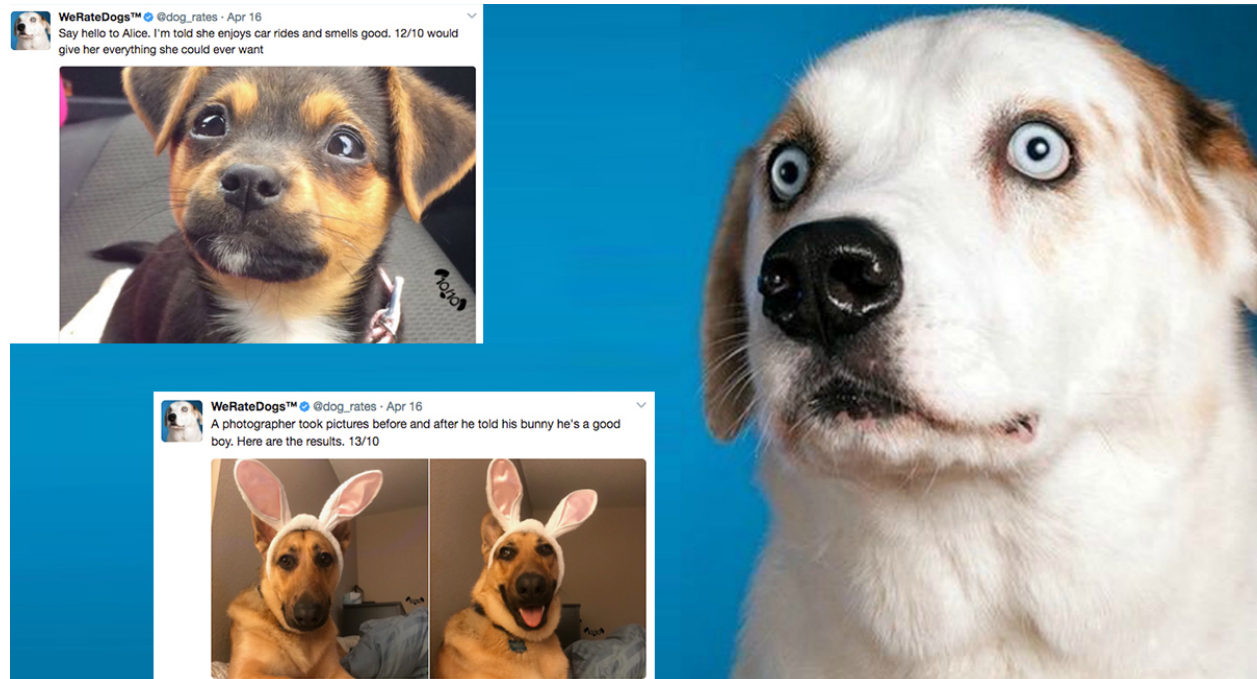

Fig 1. Source: (Udacity :
https://video.udacity-data.com/topher/2017/October/59dd378f_dog-rates-social/dog-rates-social.jpg}

text	rating_ numerator	rating_ denominator	name	doggo	floofer	pupper	puppo
This is Phineas. He's a mystical boy. Only ever appears in the hole of a donut. 13/10 https://t.co/MgUWQ76dJU	13	10	Phineas	None	None	None	None
This is Tilly. She's just checking pup on you. Hopes you're doing ok. If not, she's available for pats, snugs, boops, the whole bit. 13/10	13	10	Tilly	None	None	None	None
This is Archie. He is a rare Norwegian Pouncing Corgo. Lives in the tall grass. You never know when one may strike. 12/10 https://t.co	12	10	Archie	None	None	None	None
This is Darla. She commenced a snooze mid meal. 13/10 happens to the best of us https://t.co/tD36da7qLQ	13	10	Darla	None	None	None	None
This is Franklin. He would like you to stop calling him "cute." He is a very fierce shark and should be respected as such. 12/10 #BarkW	12	10	Franklin	None	None	None	None
Here we have a majestic great white breaching off South Africa's coast. Absolutely h*ckin breathtaking. 13/10 (IG: tucker_marlo) #Bar	13	10	None	None	None	None	None
Meet Jax. He enjoys ice cream so much he gets nervous around it. 13/10 help Jax enjoy more things by clicking below https://t.co/Zr4hWfAs1H https://t.co/tVJBRMnhxl	13	10	Jax	None	None	None	None
When you watch your owner call another dog a good boy but then they turn back to you and say you're a great boy. 13/10 https://t.co/\	13	10	None	None	None	None	None
This is Zoey. She doesn't want to be one of the scary sharks. Just wants to be a snuggly pettable boatpet. 13/10 #BarkWeek https://t.c	13	10	Zoey	None	None	None	None
This is Cassie. She is a college pup. Studying international doggo communication and stick theory. 14/10 so elegant much sophisticat	14	10	Cassie	doggo	None	None	None
This is Koda. He is a South Australian deckshark. Deceptively deadly. Frighteningly majestic. 13/10 would risk a petting #BarkWeek ht	13	10	Koda	None	None	None	None
This is Bruno. He is a service shark. Only gets out of the water to assist you. 13/10 terrifyingly good boy https://t.co/u1XPQMl29g	13	10	Bruno	None	None	None	None
Here's a puppo that seems to be on the fence about something haha no but seriously someone help her. 13/10 https://t.co/BxvuXk0U(	13	10	None	None	None	None	puppo
This is Ted. He does his best. Sometimes that's not enough. But it's ok. 12/10 would assist https://t.co/f8dEDcrKSR	12	10	Ted	None	None	None	None
This is Stuart. He's sporting his favorite fanny pack. Secretly filled with bones only. 13/10 puppared puppo #BarkWeek https://t.co/y70(	13	10	Stuart	None	None	None	puppo

Fig 2. *The extracted data from each tweet's tex*

Gathering data;

Data was obtained from three different sources:(1) The WeRateDogs Twitter archive (2) The tweet image predictions (3) Additional data from the Twitter API

(1) The WeRateDogs Twitter archive

WeRateDogs downloaded their Twitter archive and emailed it directly to Udacity so that we could use it for this project. This collection contains all 5000+ of their tweets' basic tweet information (tweet ID, timestamp, content, etc.) as of August 1, 2017. This file was manually downloaded as 'twitter archive enhanced.csv' could be seen in Fig. 2

(2) The tweet image predictions

According to a neural network, this file (image predictions.tsv) is contained in each tweet. It is hosted on Udacity's servers and may be downloaded this URL

:https://d17h27t6h515a5.cloudfront.net/topher/2017/August/599fd2ad_image-predictions/image-predictions.tsv

(3) Additional data from the Twitter API

We collected the number of retweets and favorites ("likes") for each tweet. Using the tweet IDs from the WeRateDogs Twitter archive.

Data Analysis

We shall attempt to answer the following questions in our analysis:

- Text with with hightest retweet count
- Which dog stage is the most popular
- Which dog has the most favourite count/ Top Ten Liked Dogs
- *Is there any relationship between number of likes and retweets*
- *Top 5 rated dogs*

Text with with hightest retweet count

"Here's a doggo realizing you can stand in a po…"

Is there any relationship between number of likes and retweets,

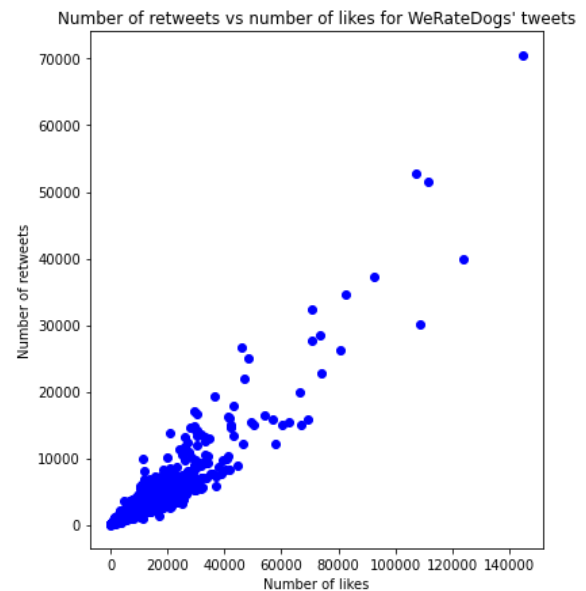Number of retweets vs number of likes for WeRateDogs' tweets

Fig. 3 show the Number of retweets vs number of likes for WeRateDogs' tweets. From the graph there is a strong correlation between number of retweets and number of likes

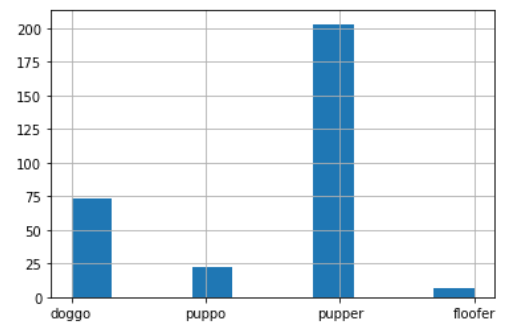- *Which Dog Stage is the most popular:*

Fig. 3 Show the distribution of the different stages of the dogs.

Pupper being the most popular stage has pupper - 203; doggo- 73; puppo -22; floofer -7

Top Ten Liked Dogs and Predictied names

1. **Labrador_retriever**

2. **Lakeland_terrier**

3.**Chihuahua**

4 French_bulldog

5. Eskimo_dog

6 English_springer

7 standard_poodle

8. malamute

9. golden_retriever

10. Bedlington_terrier

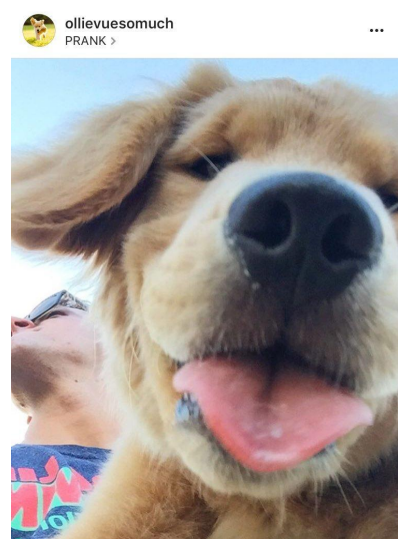# Top 5. Rated Dogs by names

1   Atticus

2   Logan

3   Sophie

4   NaN

5   Ollie

Refrences

1. Udacity Data Analytics Nano Degeree Course
2. https://en.wikipedia.org/wiki/WeRateDogs