Wrangle and Analyze Data: `act_report`

Documentation of analysis and insights

Introduction

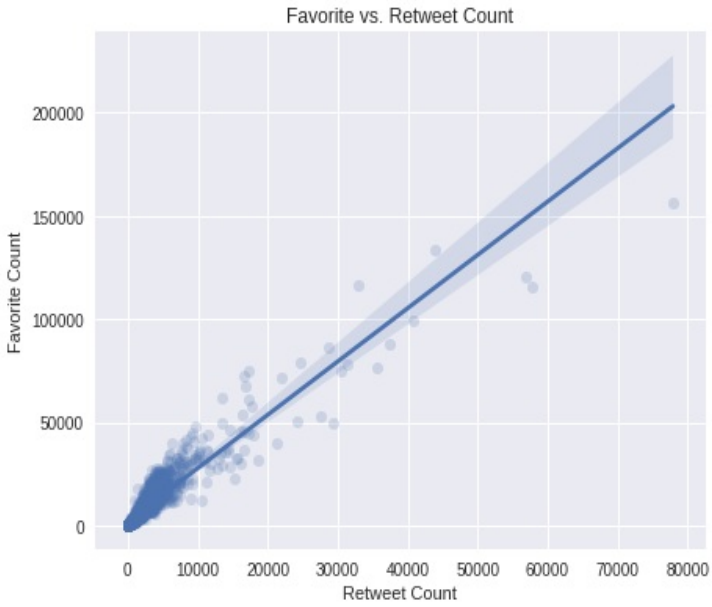
The dataset that to be analyzed and visualized is the tweet archive of Twitter user @dog_rates, also known as WeRateDogs. WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. These ratings almost always have a denominator of 10. The numerators, though? Almost always greater than 10. 11/10, 12/10, 13/10, etc. Why? Because "they're good dogs Brent." WeRateDogs has over 4 million followers and has received international media coverage.

Analysis and Visualizations

The following inferences were drawn by analyzing and visualizing the data:

Favorite Vs Retweet count

There is a positive correlations between favorites and retweet counts.

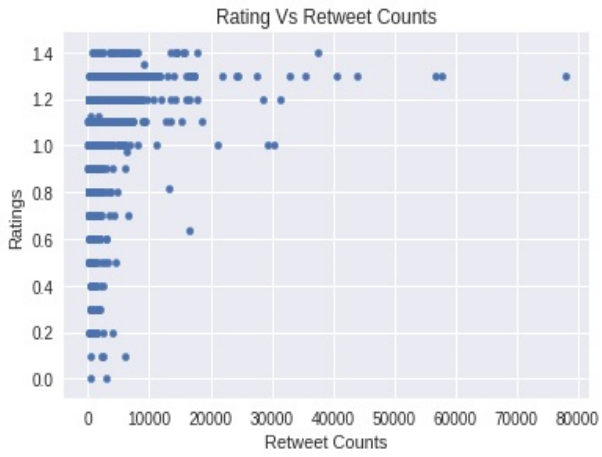


Rating over time

The below graph shows that the rating have improved over time. There are very few ratings below 1.0 in 2017 compared to 2016.

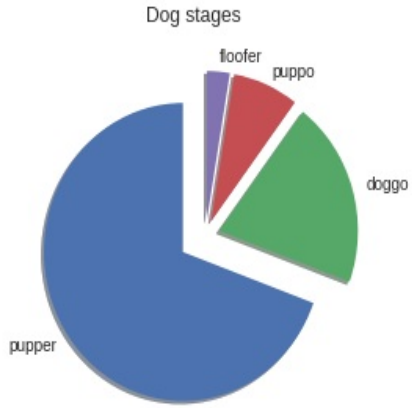
Rating Vs Retweet count

The trend that higher rating yields more retweets isn't consistent as per the below graph.



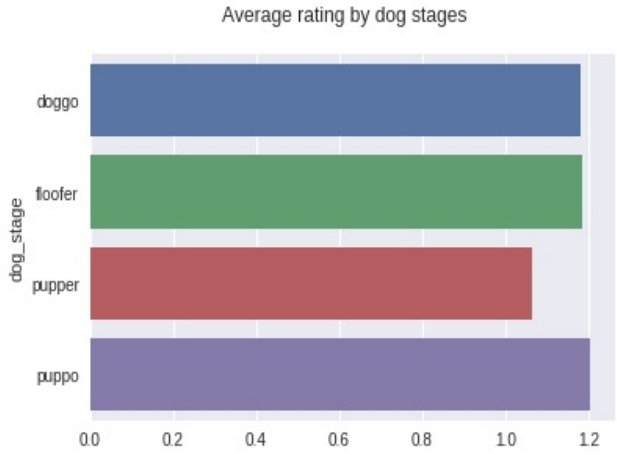
Most common dog stages

The most common dog stage is pupper.

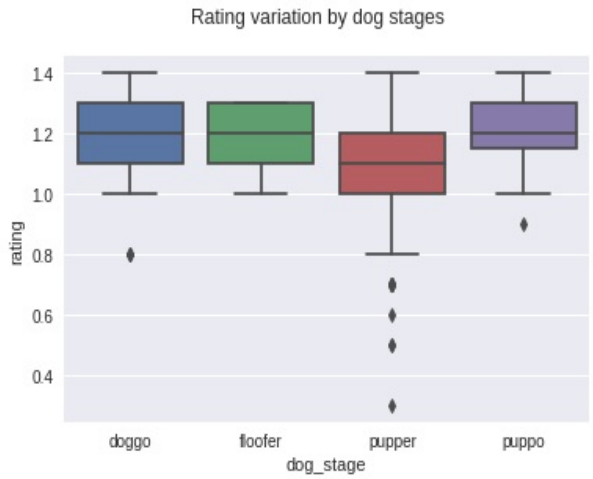


Average rating by dog stages

The highest rated dog stage is puppo.

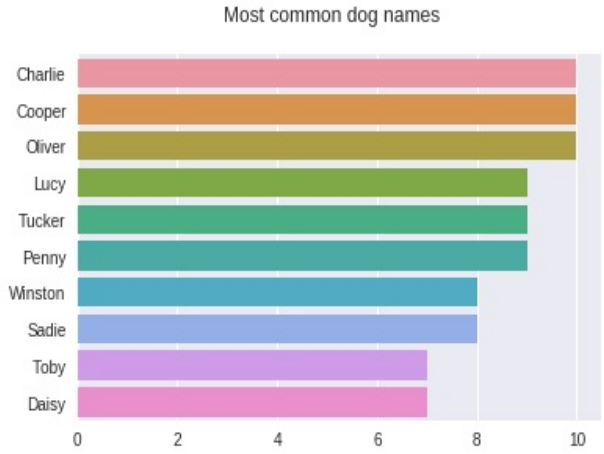


The below graph shows the variation of rating by dog stages.



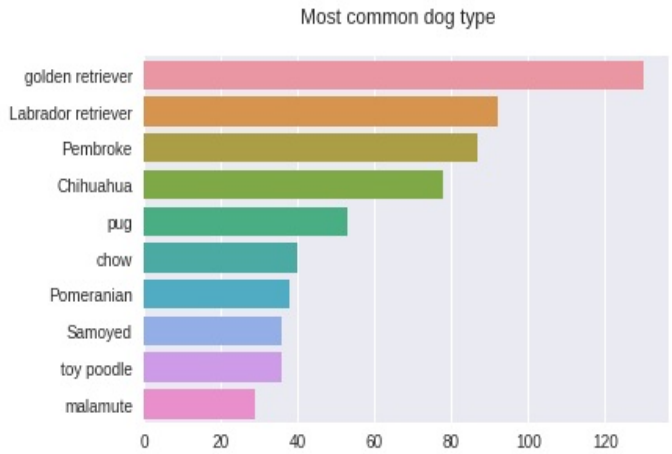
Most common dog names

The most common dog names are Charlie, Cooper, and Oliver.



Most common dog types

The most common dog type is golden retriever.



Sample prediction by image prediction model

Consider this dog, Dido, the deep learning model predicts the image correctly as dog and its type.

> This is Dido. She's playing the lead role in "Pupper Stops to Catch Snow Before Resuming Shadow Box with Dried Apple." 13/10 (IG: didodoggo) https://t.co/m7isZrOBX7

Is dog?: True, type: curly-coated retriever, confidence: 0.73, rating: 1.3, favorites: 10914, retweets: 2740