Act Report

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Introduction

The WeRateDogs Twitter page has become a well-known platform to share dog photos and give them quirky remarks and ratings. The ratings are given in fraction form and tend to have a denominator of 10, and a numerator greater than 10. After data wrangling, we can explore some questions concerning the actual data. As of August 2018, WeRateDogs has 7,458 tweets. We were able to use a little over 2,000 tweets that included a photo to match an image prediction and a rating to perform numerical analysis.

Dog Breed with Highest Rating

The Saluki dog breed had the highest average rating of 12.5, while the Japanese spaniel had the lowest average rating of 5.

Most Popular Dog Breed

The Golden Retriever was the most popular dog breed by far with 138 ratings. Other notable breeds in order included Labrador retriever, Pembroke, and Chihuahua. Here is an example of a golden boi:
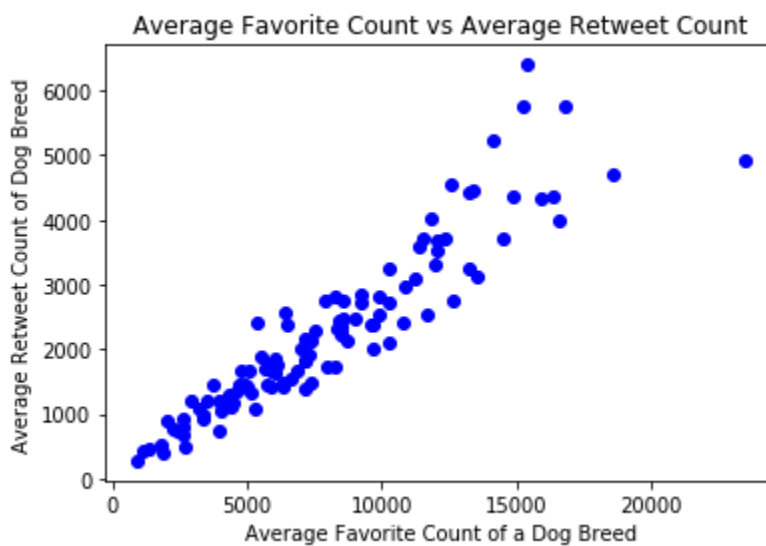
Dog Breed with Highest Favorite Count and Retweet Count

The Saluki breed also had the highest average favorite count. The standard poodle had the highest average retweet count.

Correlation between Favorite Count and Retweet Count

There is a positive correlation between favorite count and retweet count.

This makes sense since a photo with more favorites will tend to also get retweeted more.

Further Discussion

There are many more ways to analyze the data. We can perform linear regression or other machine learning algorithms to better understand relationships between variables. From there we can discover new correlations and make further conclusions.