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Data Analyst Nanodegree Program

Act Report for Wrangle and Analyze Project

Data

- The WeRateDogs Twitter archive contains basic tweet data for all 5000+ of their tweets, but not everything. One column the archive does contain though: each tweet's text, which I used to extract rating, dog name, and dog "stage" (i.e. doggo, floofer, pupper, and puppo) to make this Twitter archive "enhanced."
- Image Predictions file a table with image predictions (the top three only) using neural networks alongside each tweet ID, image URL, and the image number that corresponded to the most confident prediction (numbered 1 to 4 since tweets can have up to four images).
- JSON file with tweets includes retweet count and favorite count was accessed from Udacity as JSON data in a file called tweet_json.txt file.

Data Wrangling

Before analyzing my data, I have cleaned and tidied my dataframes visually and programmatically in order to be able to come up with interesting findings and visualizations.

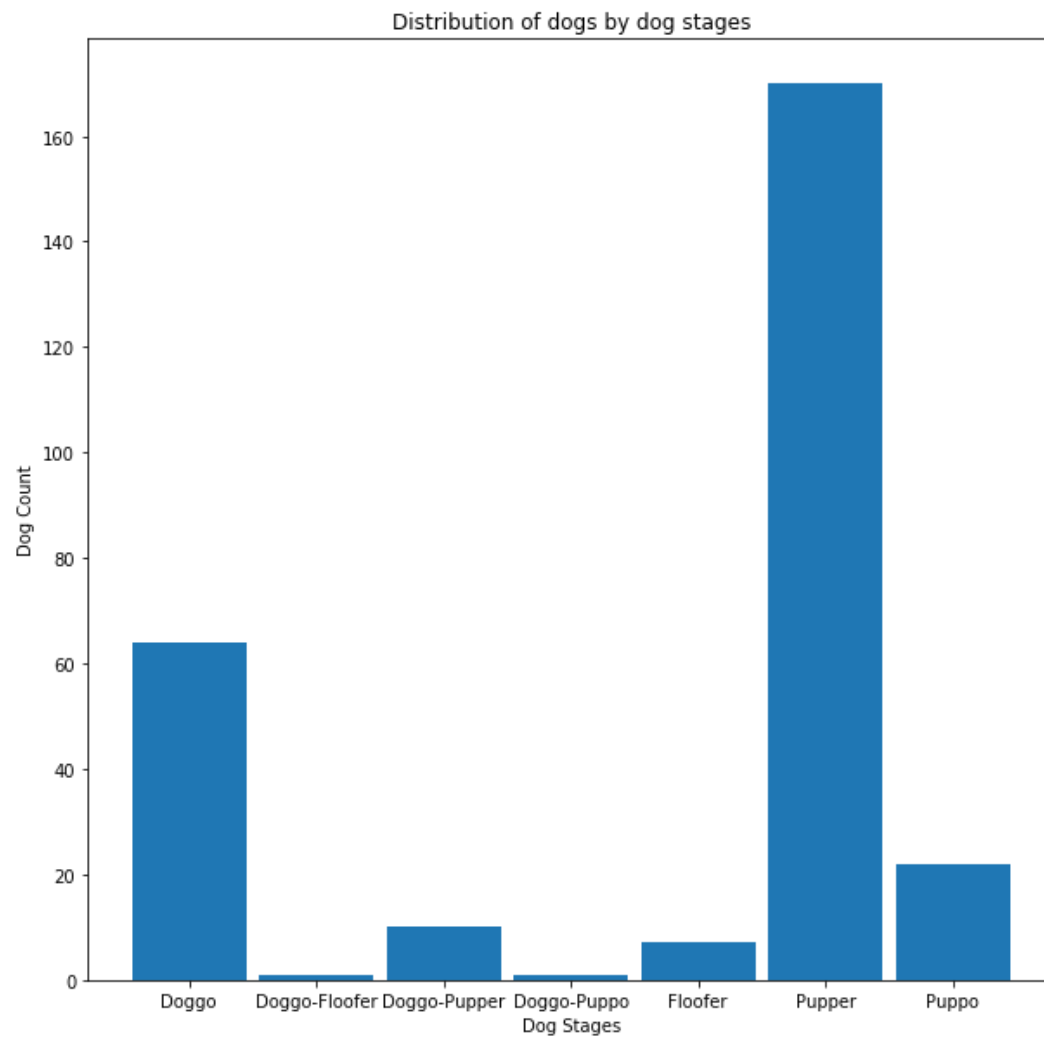
At the end I had 1639 twitter datasets that met the clean and tidy data requirements and further on were analyzed.

Insights

This data has allowed me to learn about the WeRateDogs account on twitter, that allowed me to enjoy the whole process of data wrangling and analysis. Specifically, I was interested to find out what dog stages were the most popular, and which ones have received average rating, and number of retweets.

I will be further sharing my findings through the visualizations below:

Findings



1. Number of dogs by dog stages

Image from above results, we can see that Pupper is the most popular among other dog stages.

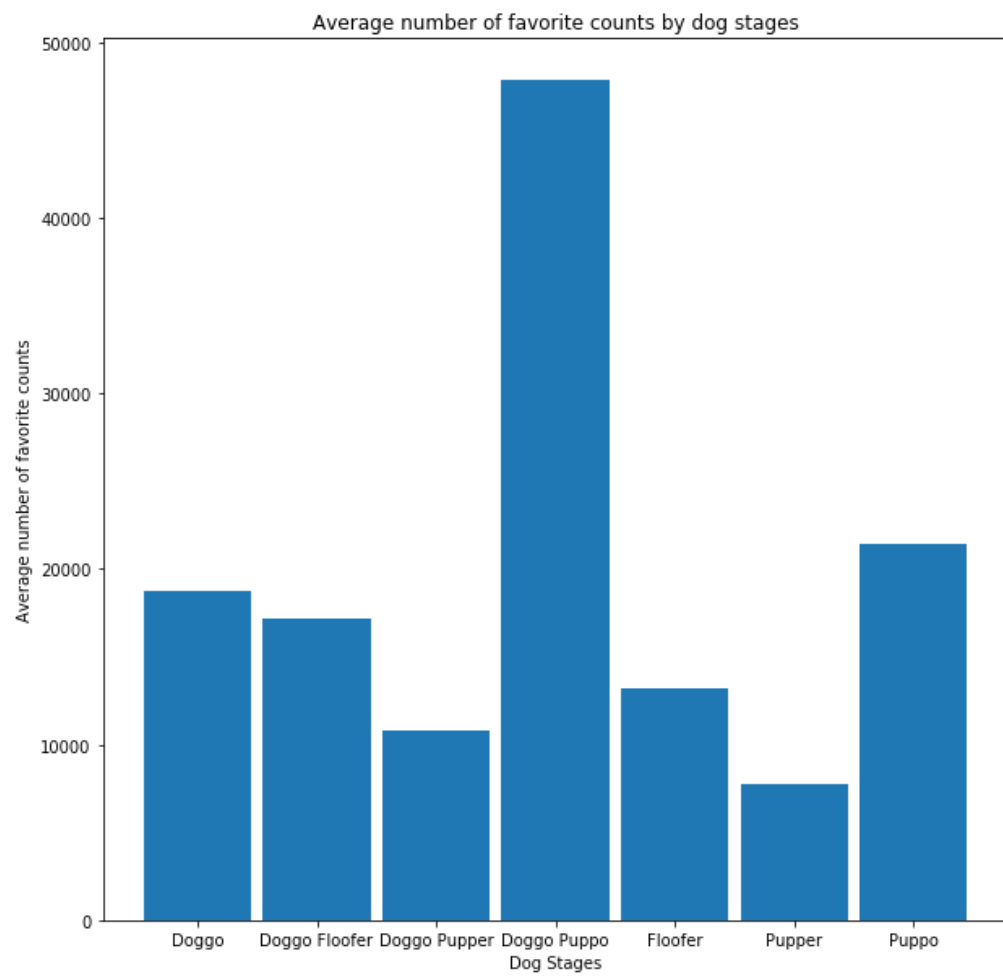


Image 2. Ratings by dog stages

Looks like the average rating for each dog stages above is 12, and the most popular dog stage by rating is Doggo Puppo that received 13.

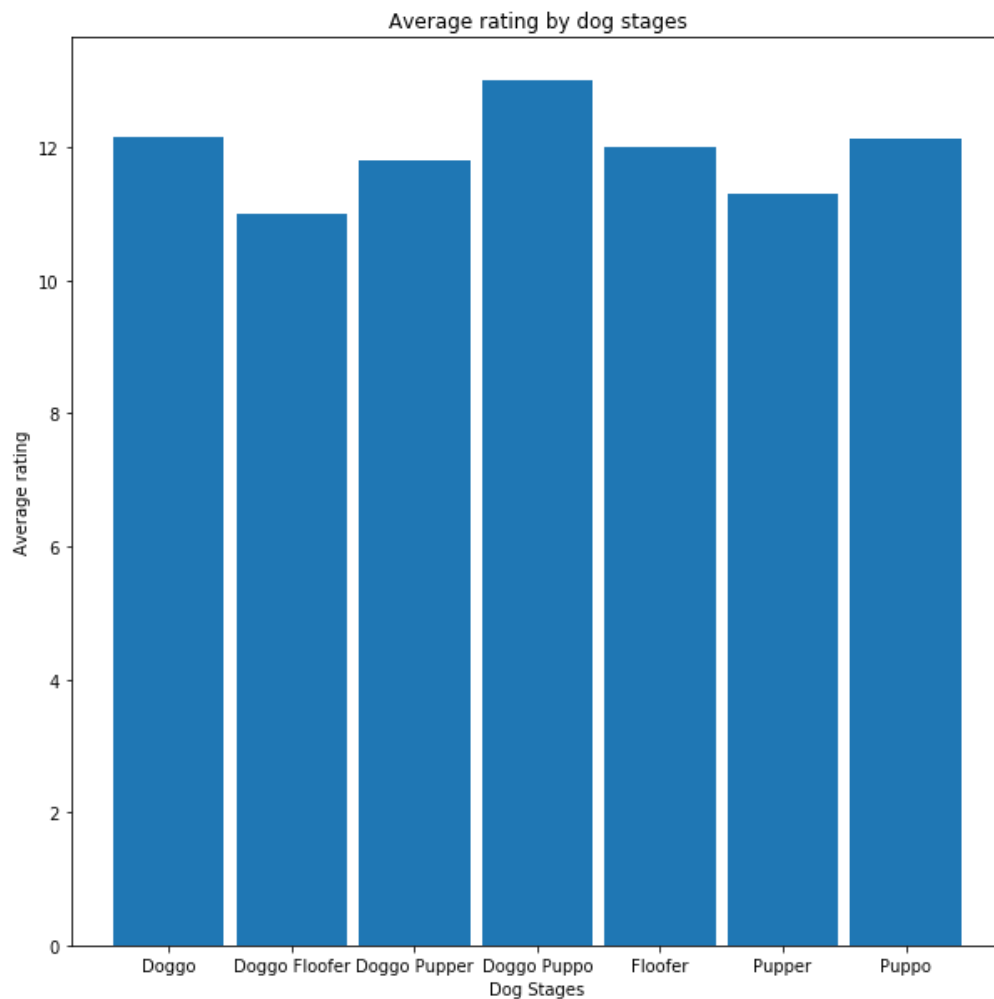


Image 3. Average number of favorite count for each dog stage
Doggo, Puppo and Pupper are the most favorite dog stages, which have a significant number of favorite counts in comparison with other dog stages.

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- Looks like the average rating for each dog stages above is 12, and the most popular dog stage by rating is Doggo Puppo that received 13.
- Doggo, Puppo and Pupper are the most favorite dog stages, which have a significant number of favorite counts in comparison with other dog stages.