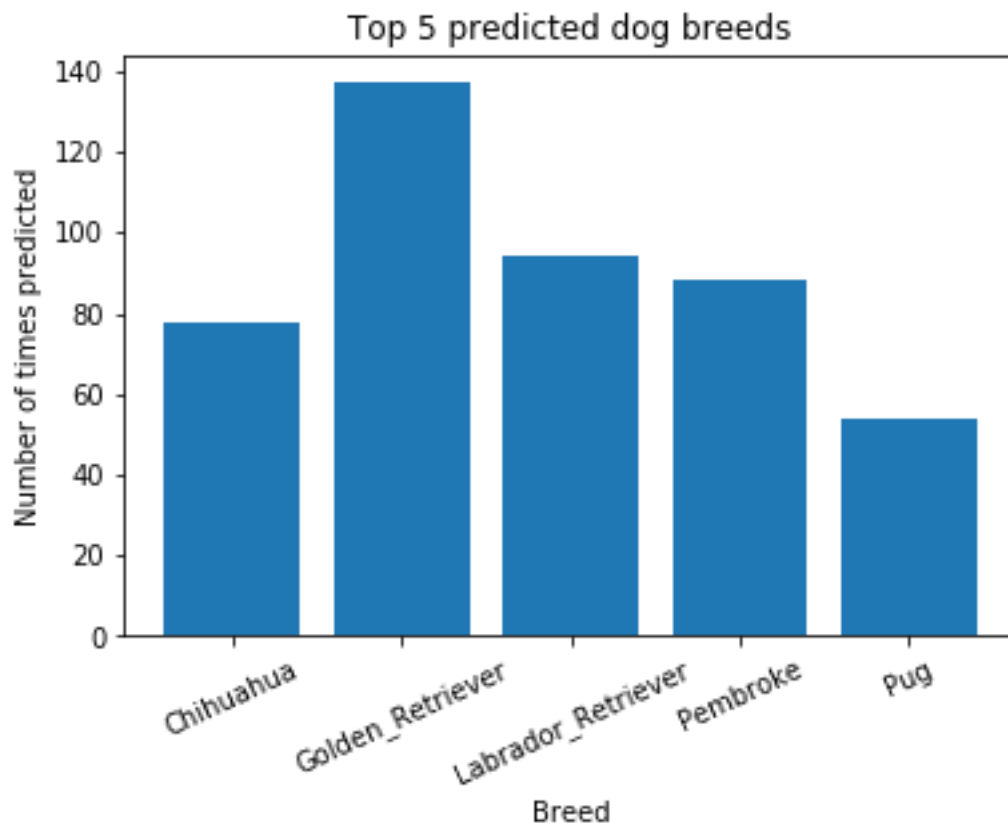
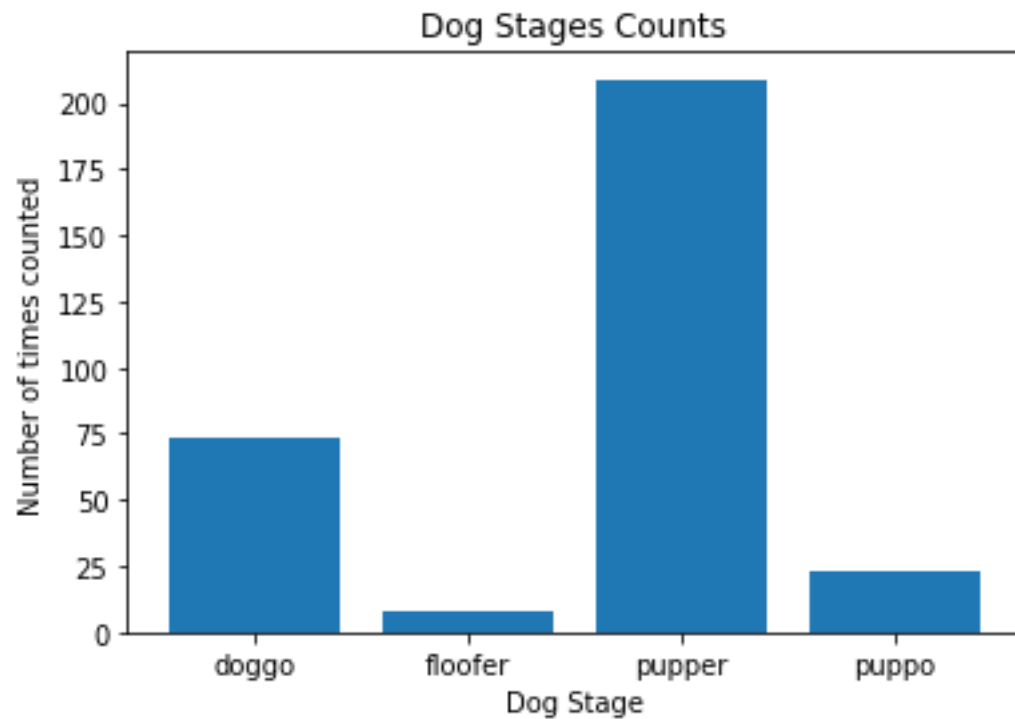


After creating the final merged dataframe there were many types of analysis I wanted to do on the data but lacking experience in visualization made this challenging. Hopefully after the next module on this topic I will be able to do more complicated data visualizations. I first decided to look at the most popular dog breeds. Since there is limited space in the Jupyter notebook I decided to go with the top 5 dog breeds recognized in the image prediction dataframe. Not surprisingly some popular dog breeds were recognized the most the Golden Retriever being the most popular. Using `value_counts` and creating two lists I created a bar chart of the top 5.



Similarly the most popular dog stages were plotted on bar charts using the same general method. In both of the bar graphs I had trouble with getting the x ticks to not overlap. After searching I found that the easiest way to do this is to slightly rotate the text underneath the tick. The pupper was the most

common dog stage which is also not surprising given the general public's affinity for puppies.



Converting the timestamps into the datetime data type allowed me to make plots of retweet and favorited tweets over time. I found that these two were closely related which makes sense since these roughly correspond to popularity of the tweet. The spikes in retweets and favoriting the tweet are at the same times in both plots. These are just a few of the many observations that could be made using

the cleaned dataframe.

