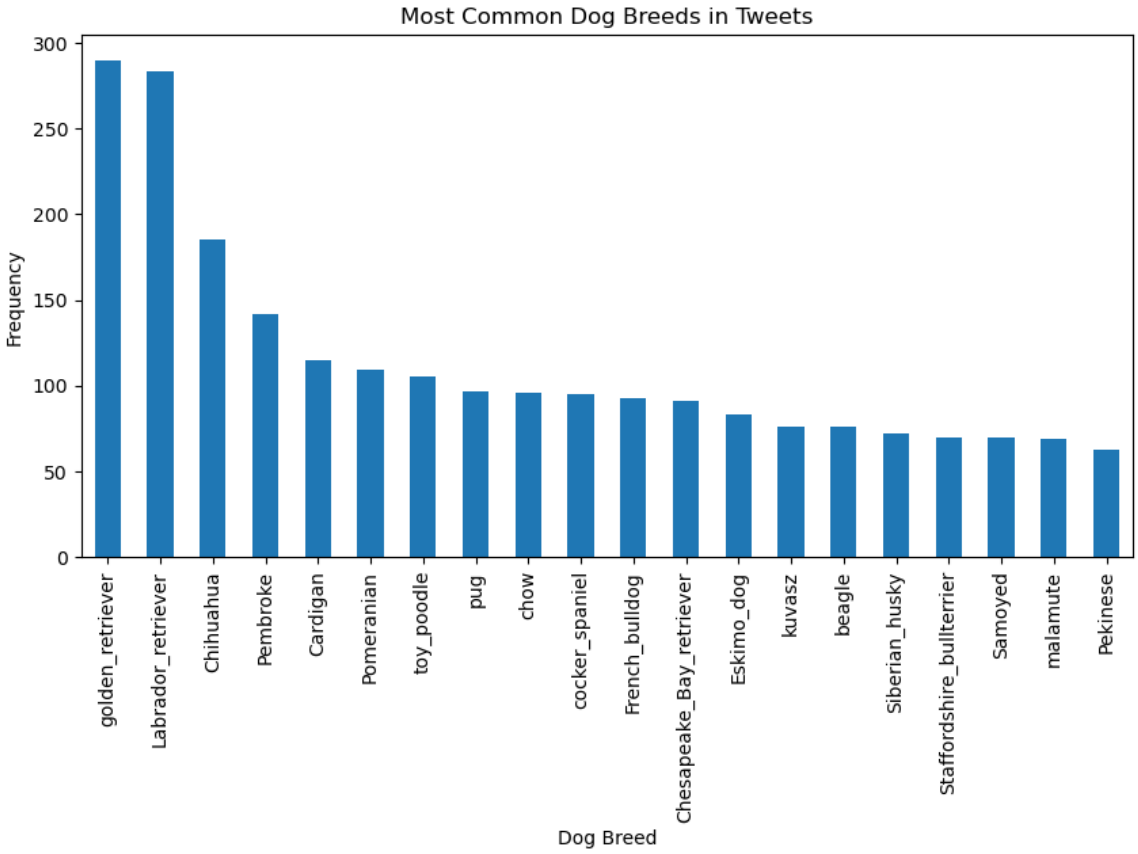
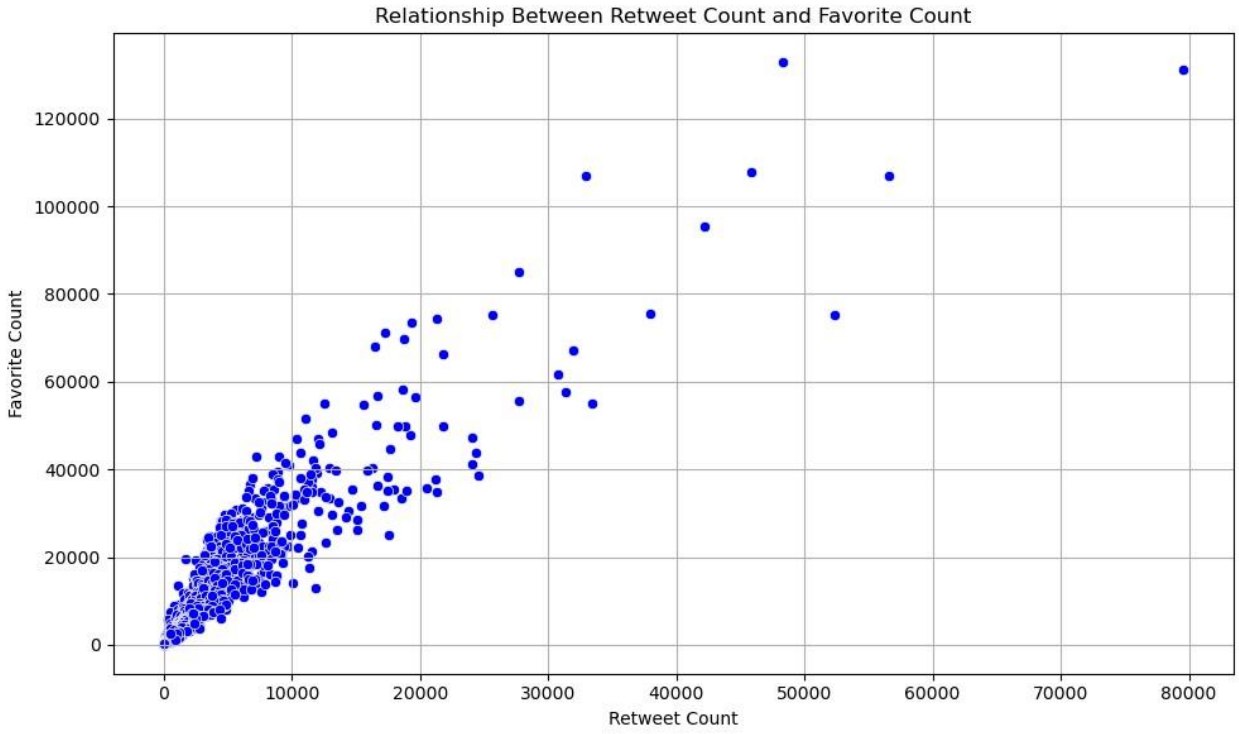
1. **Most Common Dog Breeds in Tweets**: Data used are the p1, p2, and p3 columns which indicate the predicted dog breeds from the images. To find the most common dog breeds in the tweets, I combined the data from the three prediction columns into one and counted the frequency of each breed. Then, I selected the top 20 most common breeds.

From the graph, we can see that the most common dog breeds in the tweets are Golden Retriever and Labrador Retriever.



2. **Relationship Between Retweet Count and Favorite Count**: Data used are the retweet_count and favorite_count columns. To analyze the relationship between retweet count and favorite count, I first ensured that these columns contain valid numeric values. After making the necessary changes, I found a strong correlation of 0.91 between retweet count and favorite count, indicating that tweets with more retweets also tend to have more favorites.

The insight from this analysis is that there is a very strong correlation between retweet count and favorite count, with a correlation coefficient of 0.91. This indicates that tweets with higher retweet counts also receive more favorites.



3. **Most Popular Tweet Sources**: Data used is the source_y column. To determine the most popular sources of tweets, I cleaned the source_y column to extract meaningful names and counted the frequency of each source. From the bar chart, we can see the

most popular sources of tweets, with the majority coming from iPhone. This indicates that most users prefer tweeting from their iPhones.

These three insights, along with their visualizations, provide a clear understanding of the data and reveal interesting patterns and relationships.