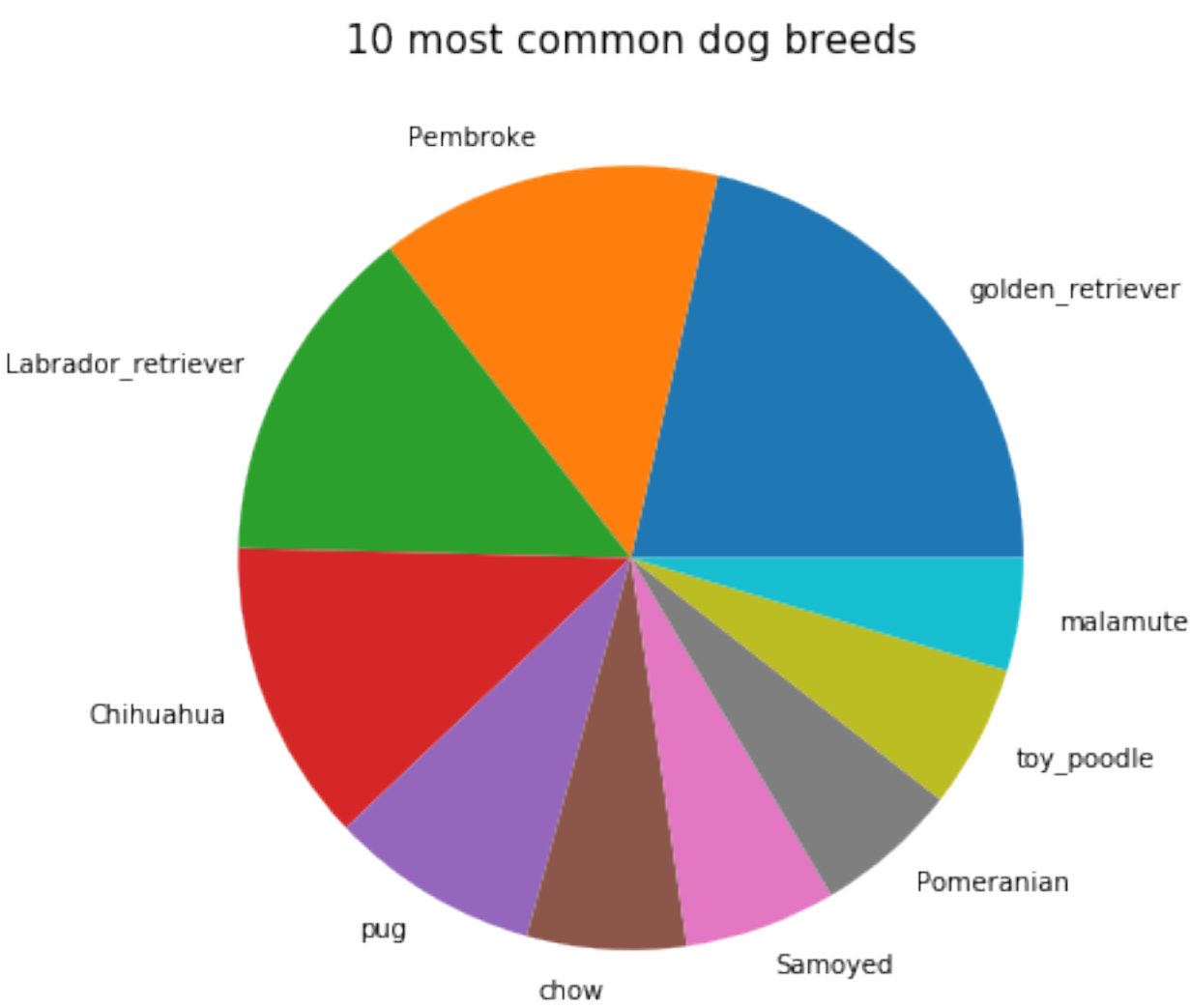# Data analysis and visualization report

This act report shows the data analysis and visualisation of WeRateDogs twitter data. The data have been gathered from three different sources, assessed, cleaned and merged into a single dataset.

Before data analysis the following questions have been posed:

- What are the most common dog breeds?
- Which dog breeds have the highest rating?
- Which dog breeds have the highest favorite counts?
- What dogs have the highest retweet count?
- What is the relationship between favorite and retweet count?
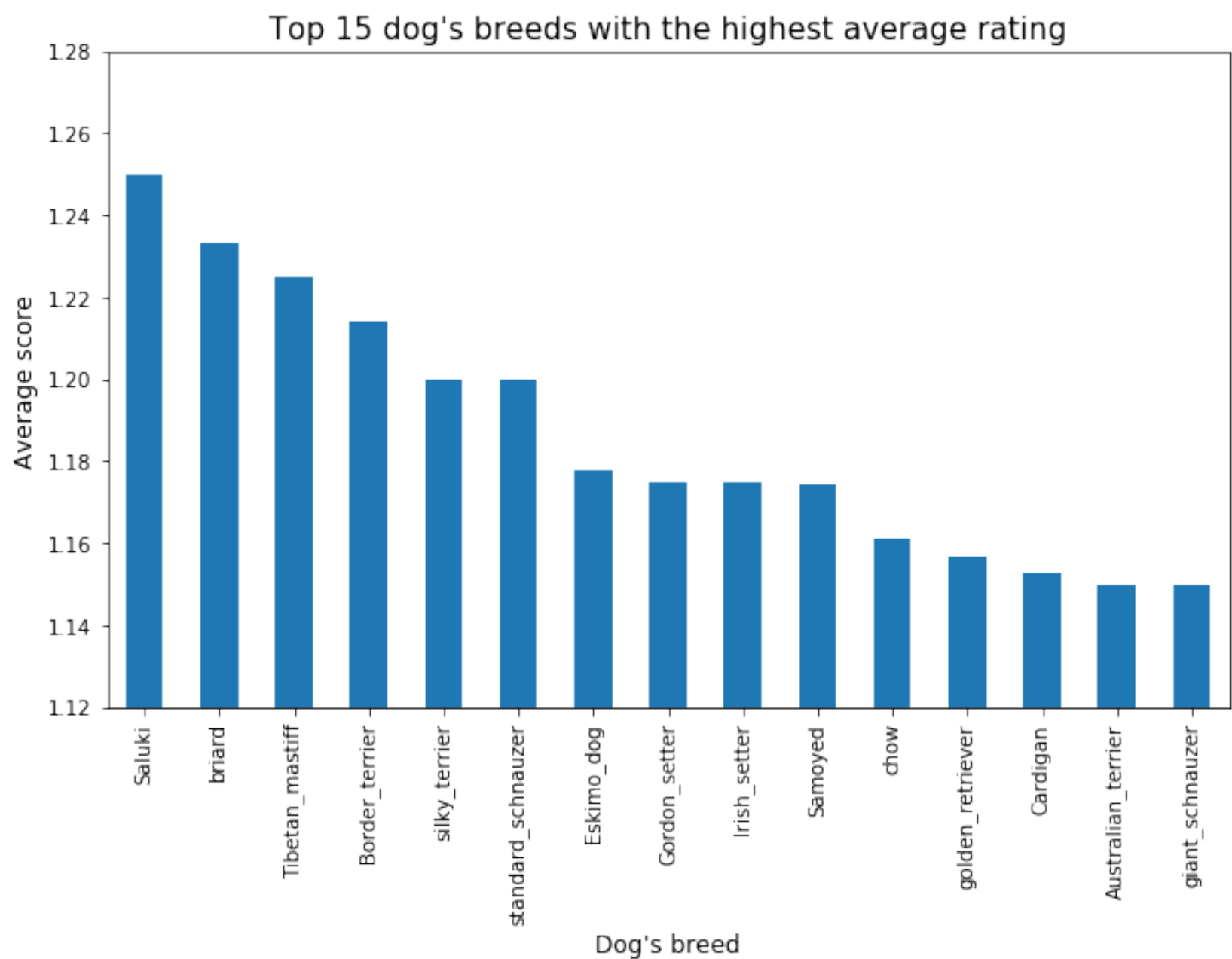- Which dog stages are associated with the highest favorite and retweet counts?

Most common dog breeds

This pie chart shows the 10 most common dog breeds. We can see that golden retvier is the most common dog's breed, following by Labrador retriever, pembroke and chihuahua.
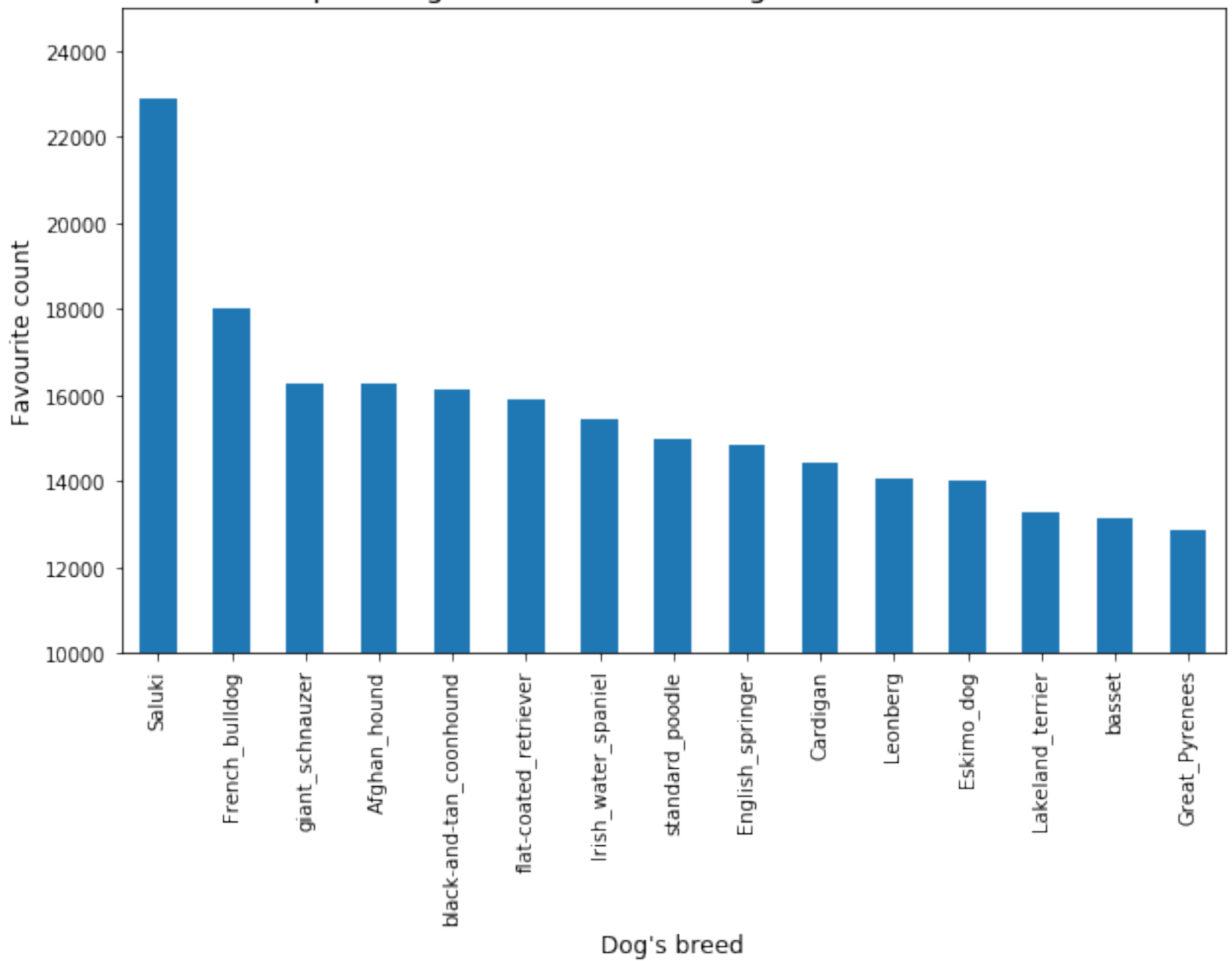

Dogs with the highest rating

This chart shows top 15 dog breeds, which received the highest average rating. It can be seen that Saluki has the highest average rating, followed by briard and Tibetan mastiff.

Top 15 dog's breeds with the highest average rating

Dogs with the highest favorite count

This chart shows top 15 dog breeds, which have the highest favorite count. Saluki again has the highest favorite count, followed by French bulldog.
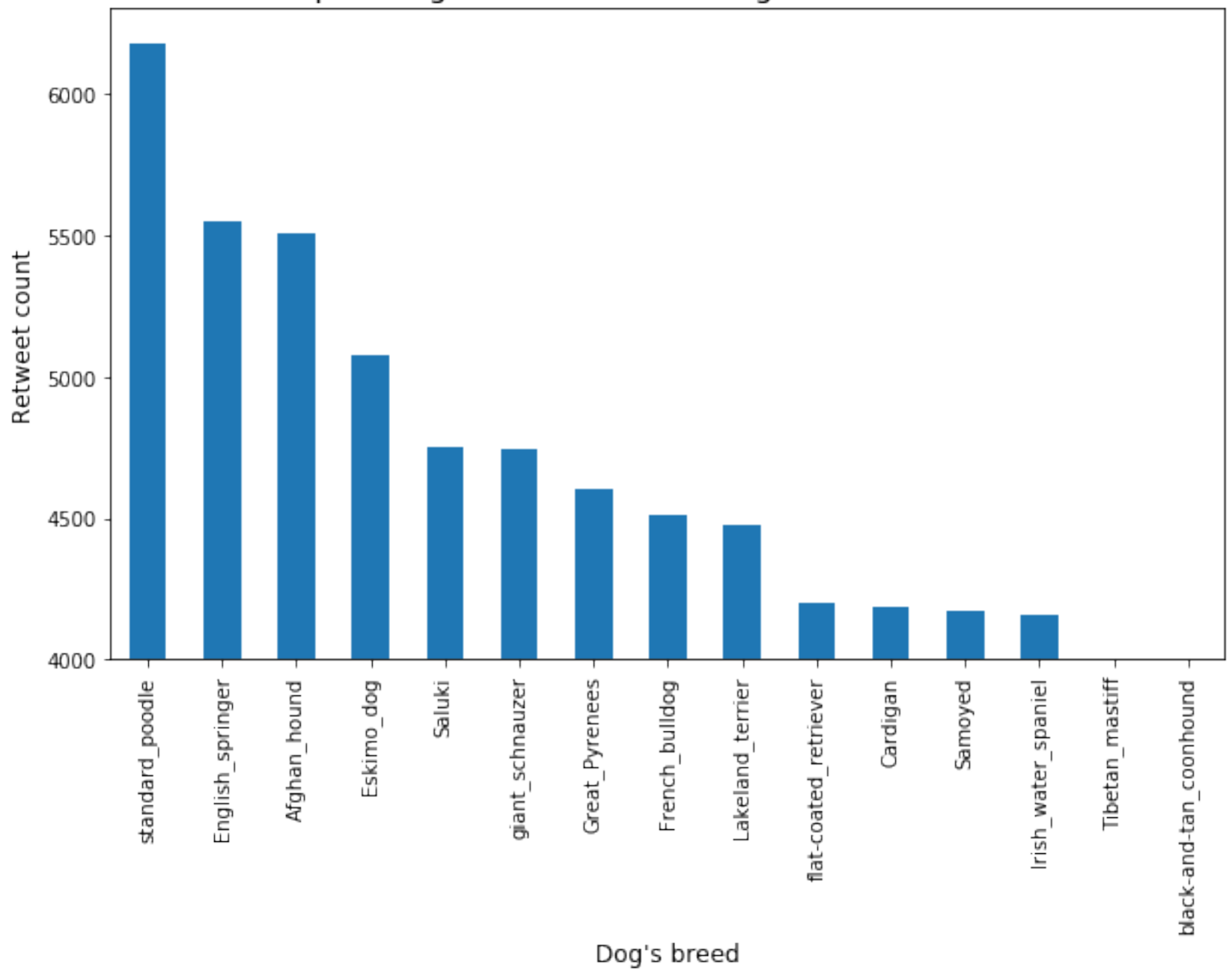
Top 15 dog's breeds with the highest favourite count

Dogs with the highest retweet count

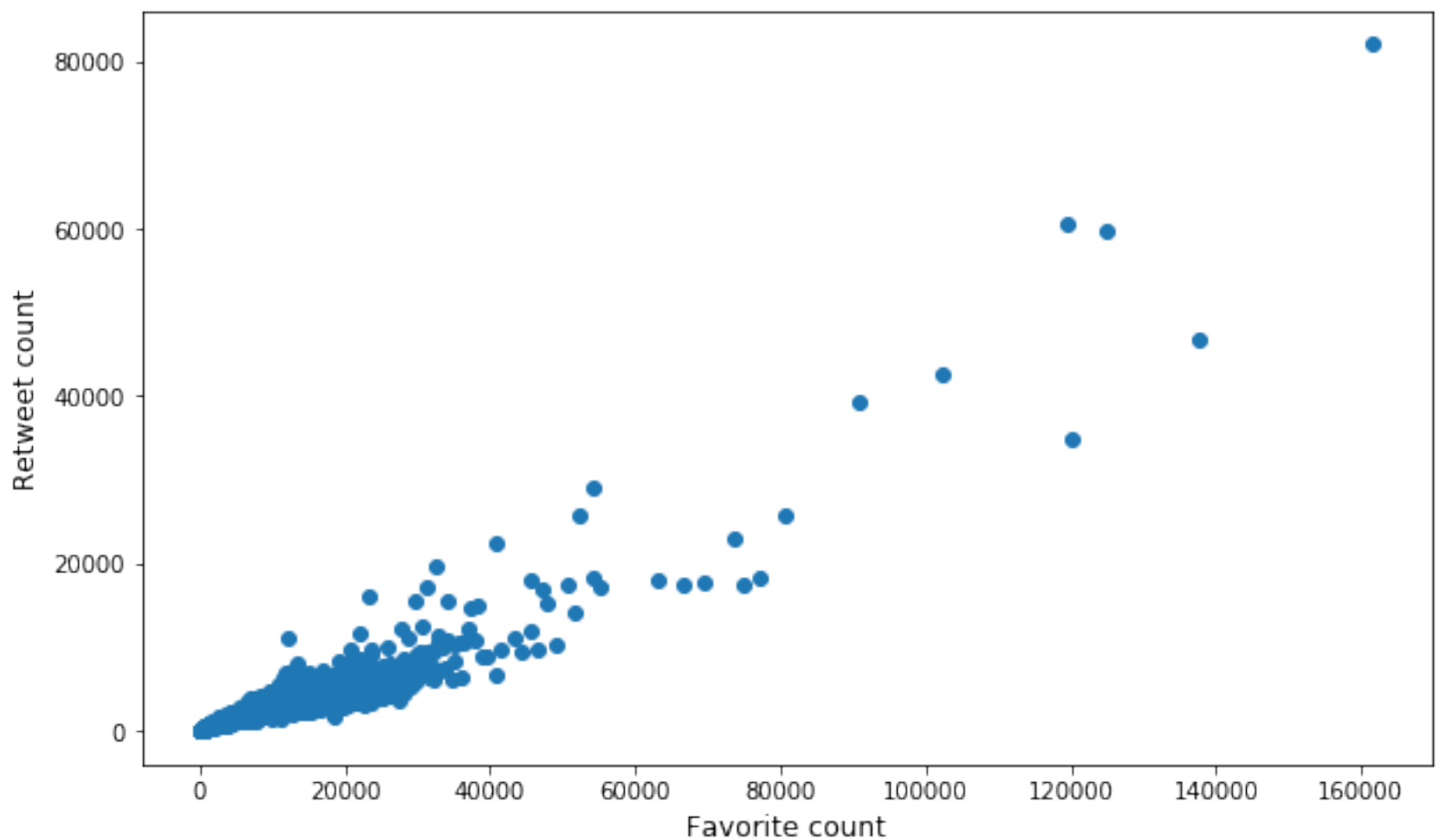Standard poodle has the highest retweet count.

Top 15 dog's breeds with the highest retweet count

Favotite vs Retweet count

Favorite and retweet count have a strong positive relationship.

Favorite vs retweet count

Favotite vs Retweet count for each dog stage

The bar chart below shows the average favorite and retweet count for each dog breed. Overall, the favorite count is higher that retweet count for all dog stages. It can be also observed that doggo and puppo have the highest favorite and retweet counts, while pupper have the lowest both favorite and retweet counts.

Average favorite and retweet count for each dog stage