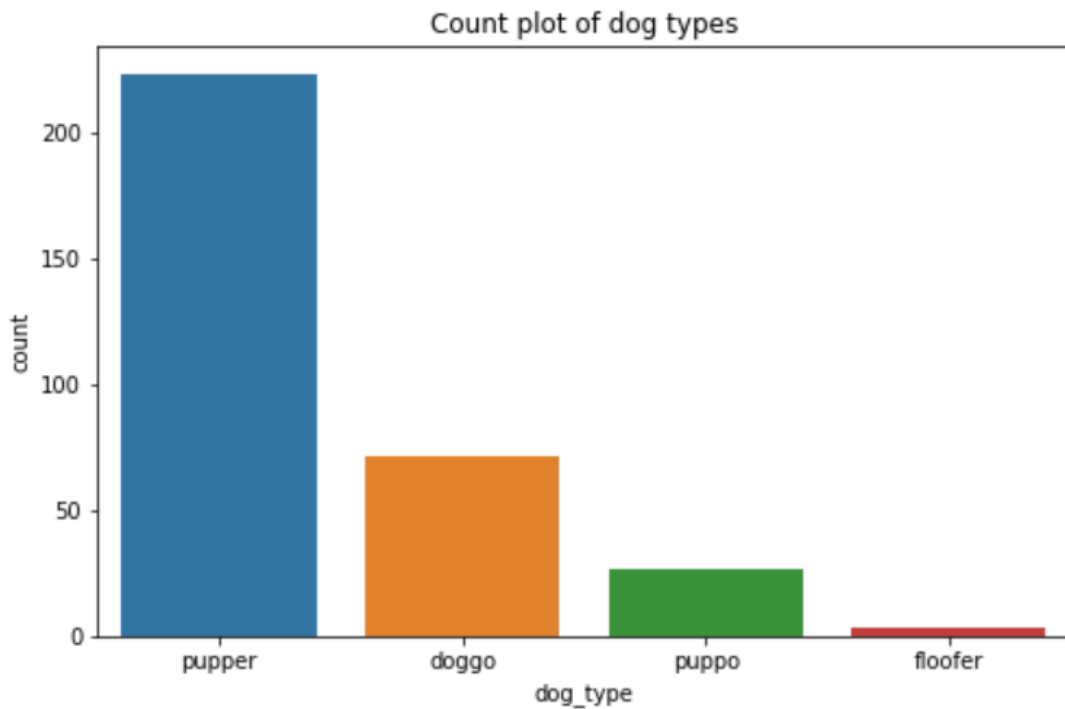# Insights and Visualization

By Long Nguyen

I.   Which dog type is the most popular?

I want to know the trend of dog tweets over time. Does it matter which type of dog people would prefer to post?
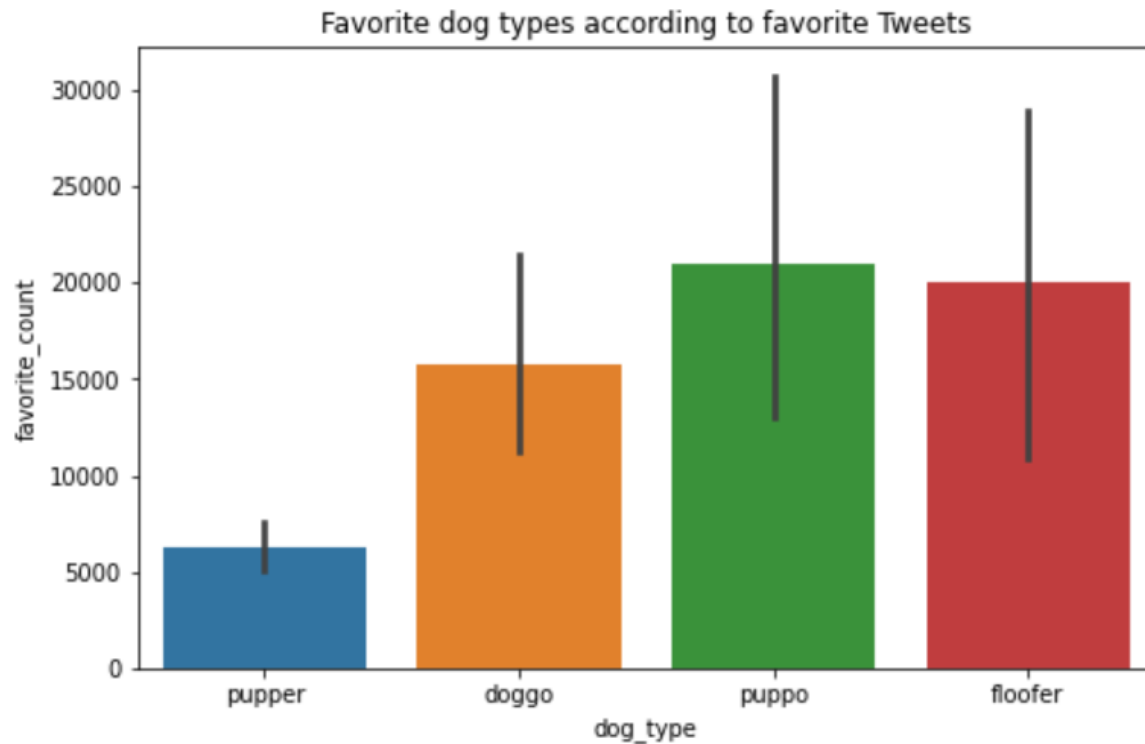
Count plot of dog types

The visualization supports my curiosity since there is one type - pupper - to be relatively more popular than other types.

II.   Which dog type is the most popular?
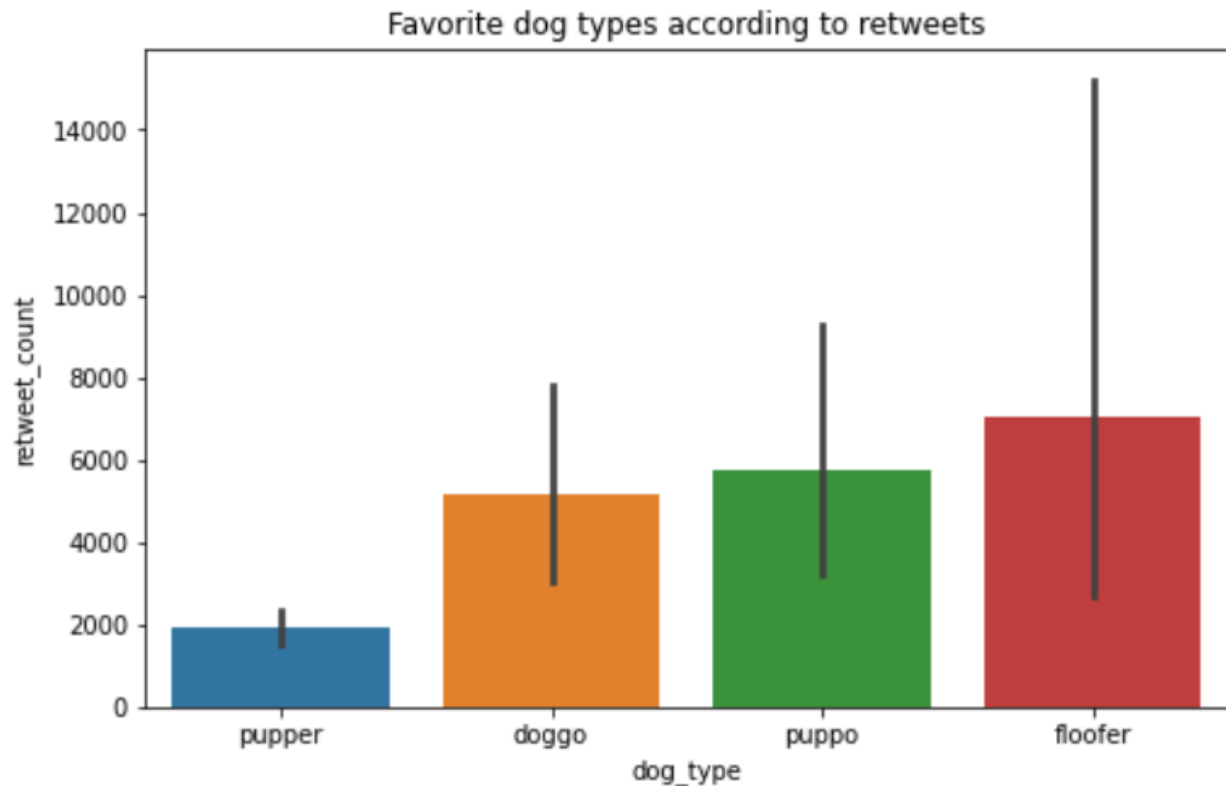
Now, my question would be:

> Would "pupper" be the users' favorite type according to favorite Tweet count in spite of its popularity?

Favorite dog types according to favorite Tweets

The insight is quite surprising. "puppo" is users' favorite dog type according to their favorite Tweets. It is very interesting since "puppo" has the second least popularity compared to other types.

III.   Which dog type is the most popular?

The last insight really catches my attention. I would like to see what the favorite dog type according to retweets would be.

Favorite dog types according to retweets

"floofer" is the favorite type to be retweeted. This result is quite unusual since "floofer" is not the trending dog type as it is the least popular one. On the other hand, "Pupper" is the least popular according to retweets, which is weird since "pupper" is the trending dog type for Twitter users. This result indicates that further investigation on data - more visualization for insights would be ideal to see what is going on.

IV.   Conclusion:

After visualizing several features of the dataset, I learned that further data exploration is needed but here in this project, visualization is not the main focus. I only plotted a few graphs just to see some of the stories that the data will tell.