

Act Report

Insight #1:

The first insight was regarding the dog breed that occurred most in all the tweets. This was found by using the only column that was not dropped from the image predictions dataframe. This column was the algorithm's first prediction. Since some of the predictions are not dogs, only the correct dog predictions were taken into consideration. After specifying the column and the condition, the `value_counts` function was used to find the following result:

golden_retriever	141
Labrador_retriever	94

The result above showed that the most occurring dog breed in the tweets is the golden retriever, and the second most occurring is the labrador retriever.

Insight #2:

The second insight shows that the most retweeted dog stage is doggo with 79515 retweets, followed by pupper with 32883 retweets. This was found using the `describe` function. The rows are indexed with the dog stages and the other column's content are the number of retweets.

	count	mean	std	min	25%	50%	75%	max
dog_stage								
doggo	45.0	8071.355556	14975.856858	39.0	2042.00	4011.0	5237.00	79515.0
doggo, floofer	1.0	3433.000000	NaN	3433.0	3433.00	3433.0	3433.00	3433.0
doggo, pupper	4.0	10124.750000	8663.910140	2173.0	2856.25	10352.5	17621.00	17621.0
doggo, puppo	0.0	NaN	NaN	NaN	NaN	NaN	NaN	NaN
floofer	4.0	7658.750000	7263.753776	3265.0	3685.00	4436.5	8410.25	18497.0
pupper	122.0	3089.557377	5007.537738	26.0	671.75	1267.0	3324.00	32883.0
puppo	11.0	4051.363636	3739.327380	716.0	1481.50	1759.0	6226.50	11007.0

Insight #3:

The third insight shows that the most occurring dog stage in the tweets was pupper which occurred 233 times, while the second most occurring was doggo with only 81 occurrences. The number of times these dog stages and the others occurred in the tweets are shown in the result below.

pupper	233
doggo	81
puppo	29
doggo, pupper	10
floofer	9
doggo, puppo	1
doggo, floofer	1

Insight #3 Visualization:

The same insight above can be demonstrated using a horizontal bar plot as shown in the figure below.

