

# Report

## Wrangle and Analyze Data

Tasks in this project are as follows:

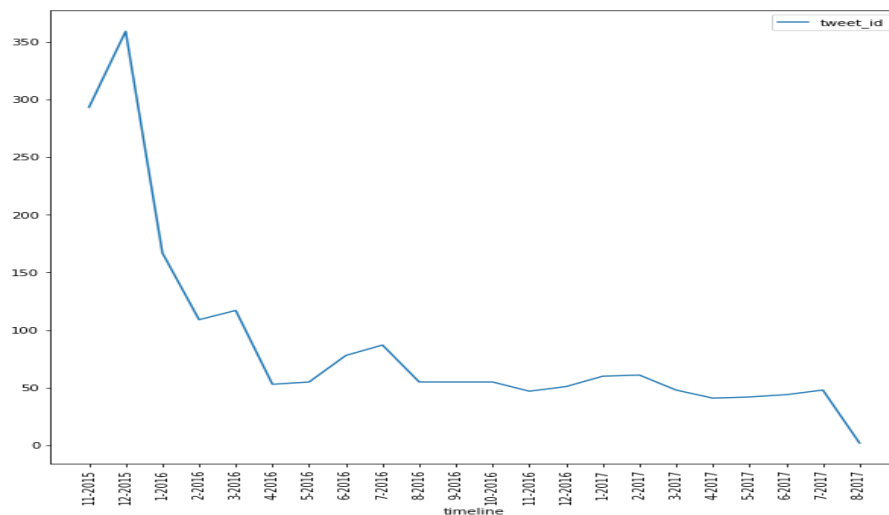
- Storing, analyzing, and visualizing your wrangled data
- Reporting on your data analyses and visualizations

## Analysis

- Tweet count over time

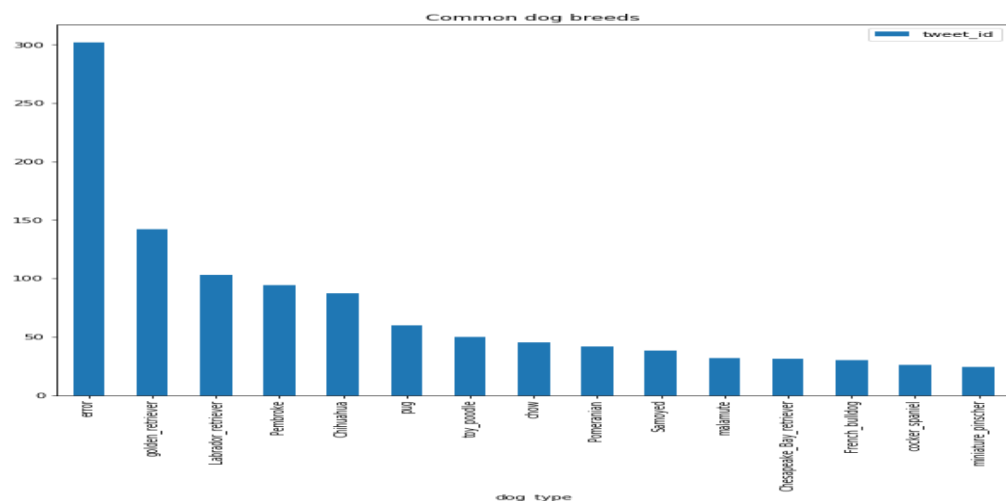
We observe a decrease in tweet count over time, with a peak on Dec 2015 and the lowest on august 2017. There are small spikes in June and July 2016.

We need to address the reason for decreasing tweets



- Popular Dog breed

Golden retriever is the most common breed followed by Labrador (ignoring the error values). Pembroke and chihuahua is also popular. We can use this data to improve the popularity of unpopular breed

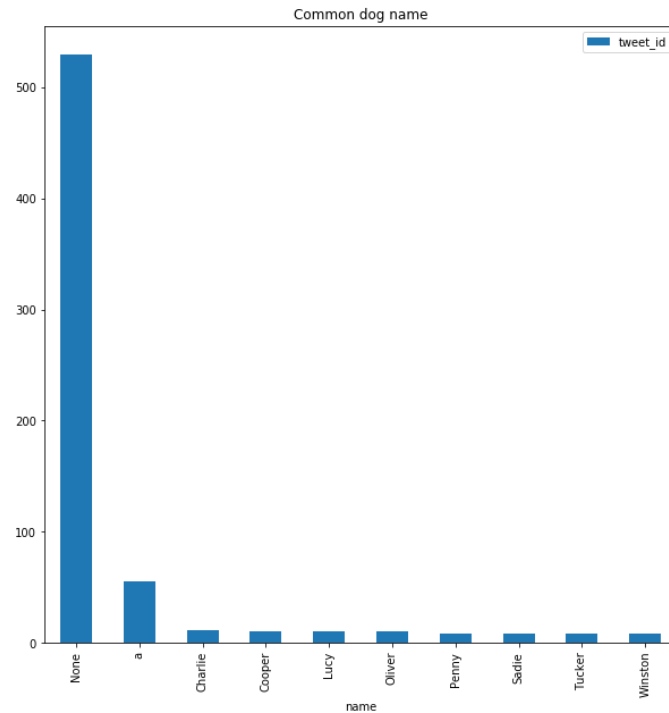


- Common Dog Names

Ignoring none values as the data must be missing

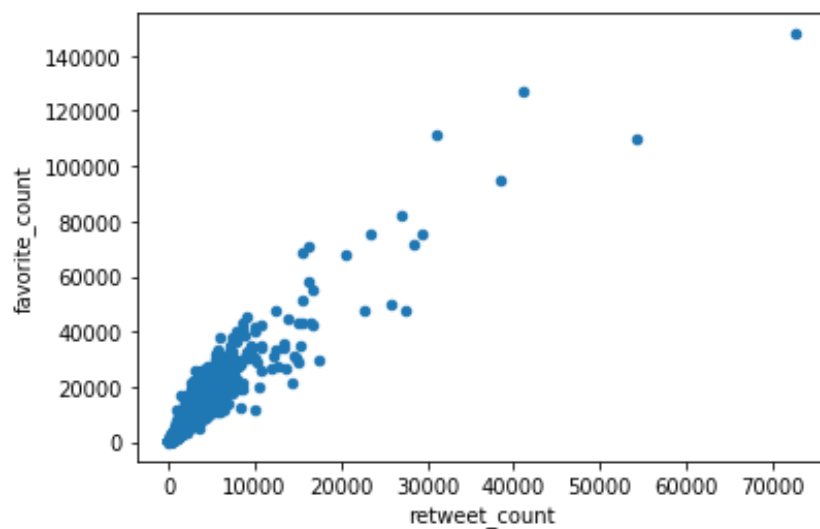
Other than that, the name a seems an error too

So the most common name of dogs are Charlie, followed by Cooper and Lucy



- Relation between retweet and favourite count

We observe that there is a positive correlation between retweet count and favourite count. It is quite obvious to have positive correlation. This fact can be used to model future posts



- Relation between dog type and retweet count

Ignoring the error values

We observe that golden retriever has the highest retweet count. As we have seen that it's the most common dog breed. We have also seen a positive correlation between retweet count and favourite count

So we can say that the most common dog breed is supposed to have the most retweets and is the most favourite

Same holds for Labrador, Pembroke and chihuahua

	dog_type	retweet_count
87	error	302
90	golden_retriever	142
37	Labrador_retriever	100
49	Pembroke	94
16	Chihuahua	87