

# Introduction

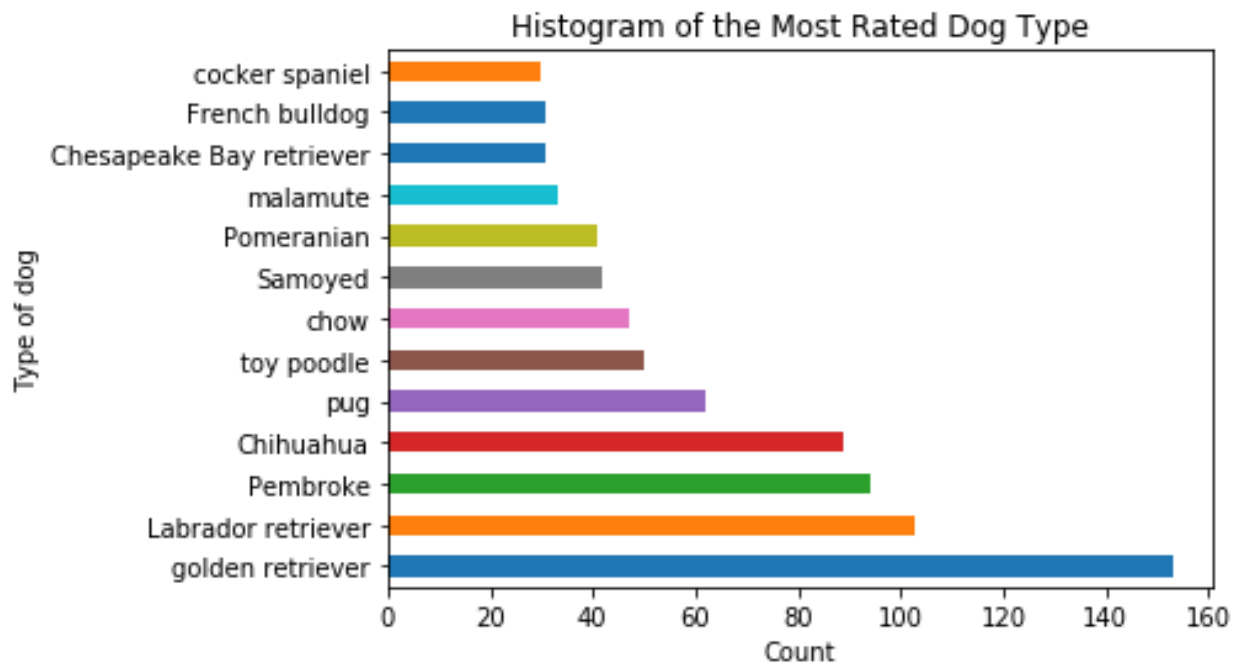
After gathering the data, assessing & cleaning it, it became ready to be used in real world analysis and to extract insights out of it. Python have a very strong libraries that helped in this analysis and Visualization

## Insights

### Insight one :

The first insight is that Golden retriever is the most common dog in this dataset. I discovered that this data contains 156 Golden retriever dog in it which is the highest number, Labrador retriever came in the second place with 106 dog

### Visualization of Insight one :



## Insight two :

After melting all the dogs stages into one column it became much more easier to conclude that the dogs which classified as (doggo,puppo) -at the same time- in the dog\_stage column gets the highest average retweets while pupper gets the lowest average retweets.

## Insight three :

After running the next code

```
dogs_mean_data = tweet_archive.groupby('dog_breed').mean()
dogs_mean_data = dogs_mean_data['tweet_favorite_count'].sort_values()
dogs_mean_data
```

It resulted that :

dog_breed	
Brabancon griffon	885.000000
groenendael	1156.500000
Japanese spaniel	1362.000000
Irish wolfhound	1534.000000
Tibetan terrier	1841.000000
standard schnauzer	2046.000000
Scottish deerhound	2305.000000
basenji	2503.777778
Lhasa	2659.800000
EntleBucher	2678.000000
Maltese dog	2959.684211
toy terrier	3181.666667
Ibizan hound	3275.000000
redbone	3296.333333
miniature schnauzer	3409.000000
soft-coated wheaten terrier	3431.500000
miniature poodle	3456.875000
Dandie Dinmont	3464.571429
Shih-Tzu	3593.350000
Scotch terrier	3624.000000
Rhodesian ridgeback	4041.000000
Sussex spaniel	4061.500000
papillon	4402.571429
beagle	4407.950000
Saint Bernard	4579.142857
Yorkshire terrier	4595.000000
curly-coated retriever	4612.000000

	...
Bouvier des Flandres	18032.000000
French bulldog	18416.806452
Bedlington terrier	21153.166667
Saluki	24060.000000

And so on ....

Then I found that Brabancon griffon gets the lowest number of favourites while Saluki gets the highest favourites which gives a good indication of what people's favourite breed of dogs.