

## Wrangle and Analyze Data

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# Act Report

14<sup>th</sup> December 2020

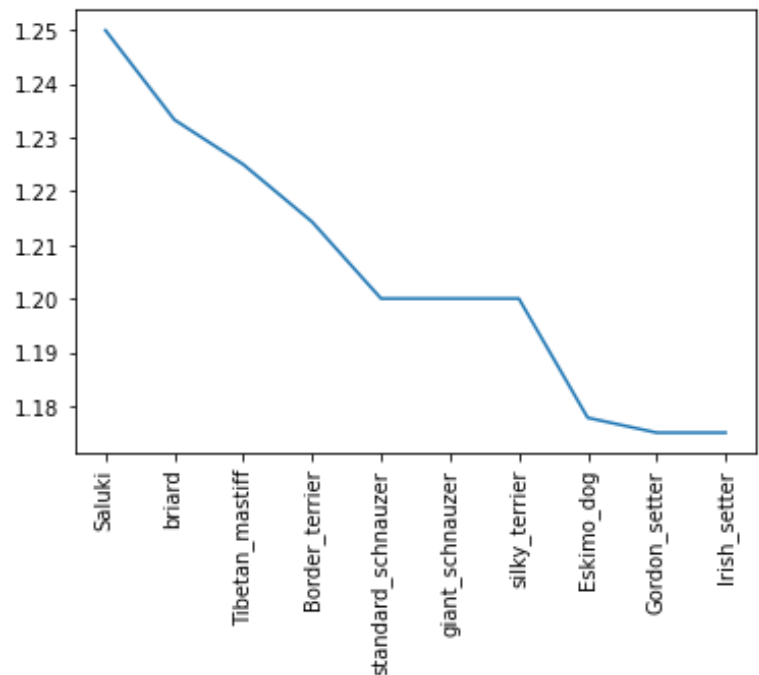
## OVERVIEW

For all dog lovers, and after gathering and investigating a huge amount of data I am here to introduce those interesting insights about doge.

If you are a dog lover, you almost heard about or following **@dog\_rates** which also known as **WeRateDogs** on Twitter. Which professionally rates dog.

After analyzing WeRateDogs 5000+ tweets we found that the best-rated beers are:

1. Saluki.
2. Briard.
3. Tibetan Mastiff.
4. Border Terrier.
5. Standard Schnauzer.
6. Giant Schnauzer.
7. Silky Terrier.
8. Eskimo Dog.
9. Gordon Setter.
10. Irish Setter.



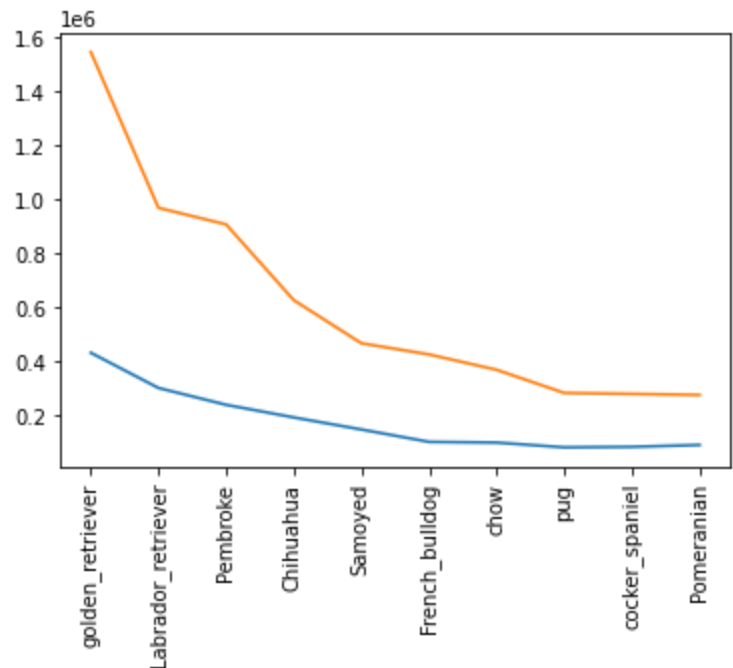
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## But what was the followers' opinion?

If we can take any indicator, we can't find better than users' interaction with those tweets.

And here is the most loved beers  
of dogs by followers:

1. Golden Retriever.
2. Labrador Retriever.
3. Pembroke.
4. Chihuahua.
5. Samoyed.
6. French Bulldog.
7. Chow.
8. Pug.
9. Cocker Spaniel.
10. Pomeranian.



In the figure above the green line is followers favorite counts and the blue one is the retweet counts.

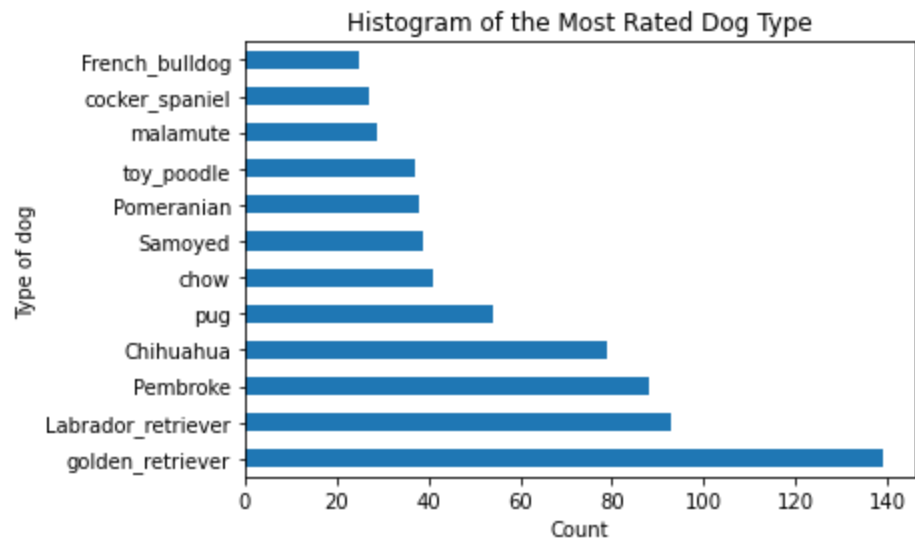
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## Witch beers had the biggest piece of rating?

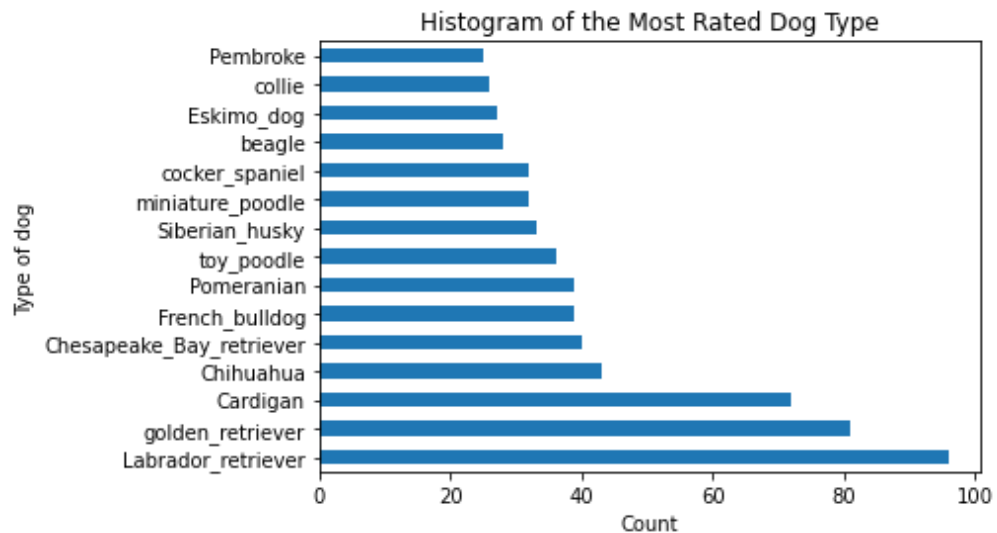
Since we did our work on a huge amount of data, we recognized the dog beers programmatically using deep learning models. But the models didn't share the same opinion about beers.

So, we take their result and going to share them all with you.

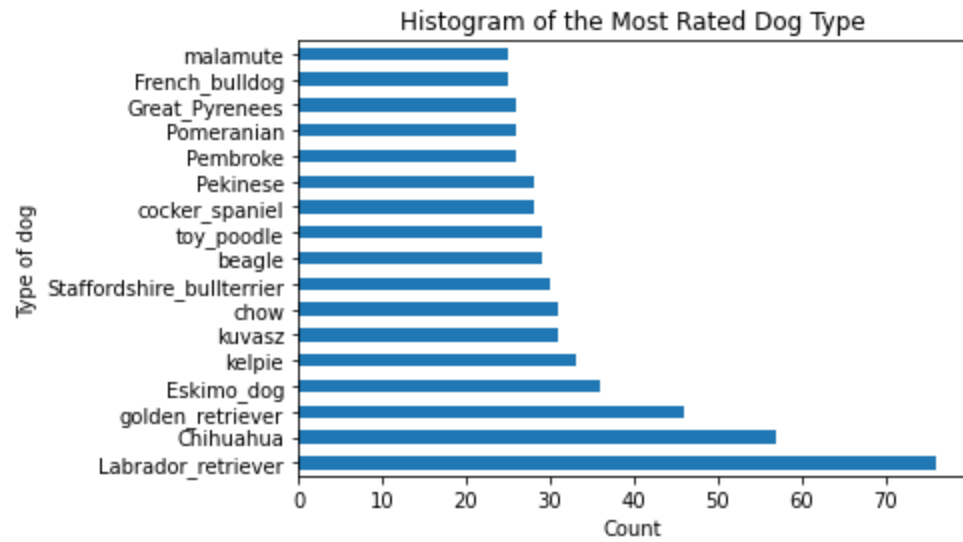
First Model



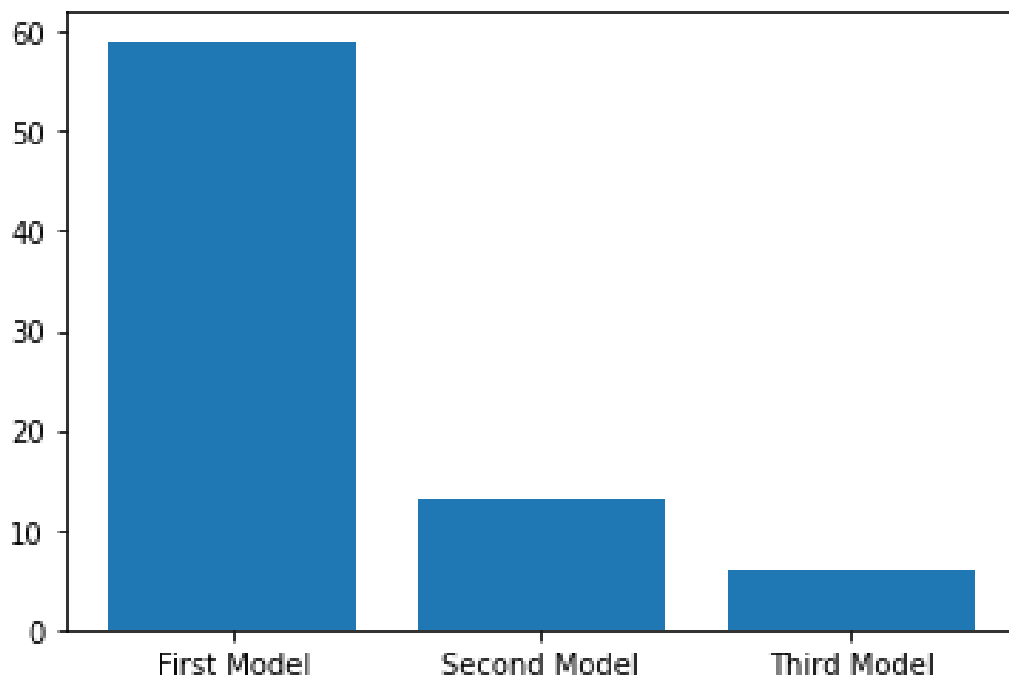
Second Model



Third Model



Every model has some certainty about its opinion and here their certainties:



I hope that you found those insights interesting and if you a dog lover don't forget to follow **@dog\_rates** on Twitter.