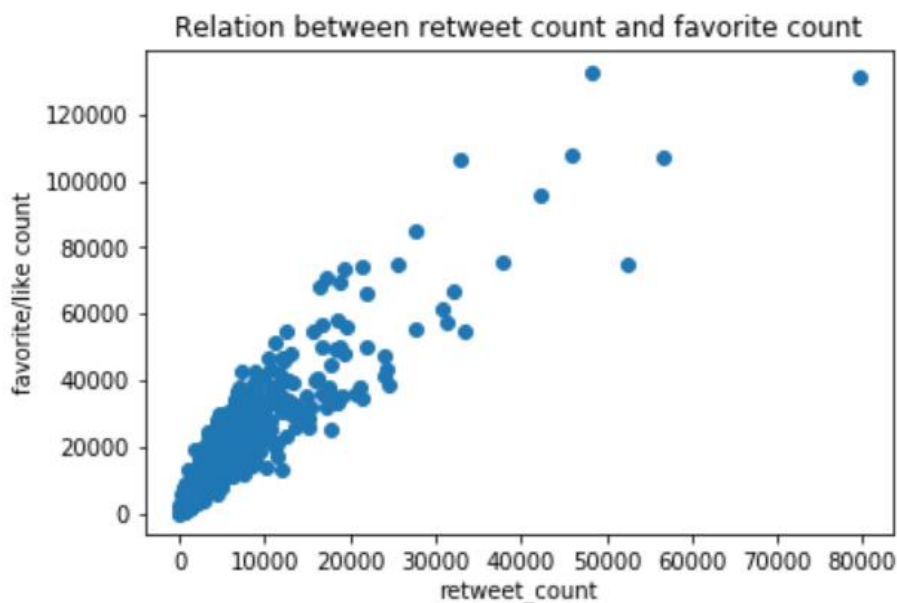


Analyze Twitter Post's Data

As a last step of my Udacity Project, I would like to present to you my insights about the Twitter Posts.

The first insight I would like to present, is the relation between the features “retweet_count” and “favorite_count”. I think the meaning “retweet_count” is clear for all of us, but what does the “favorite_count” mean? For those of us, who are not used to Twitter, but use Facebook or Instagram instead, know this number as “likes”.

What we want to investigate here is the relation between these two key figures. As some of you might assume, there is a strong correlation (Correlation Coefficient = 91,1%) between these numbers in most of the posts. Correlation here means, that these two numbers grow together: if one of it is high, the other one is also rather high compared to the overall data. This linear Correlation can also be observed in the plot below.



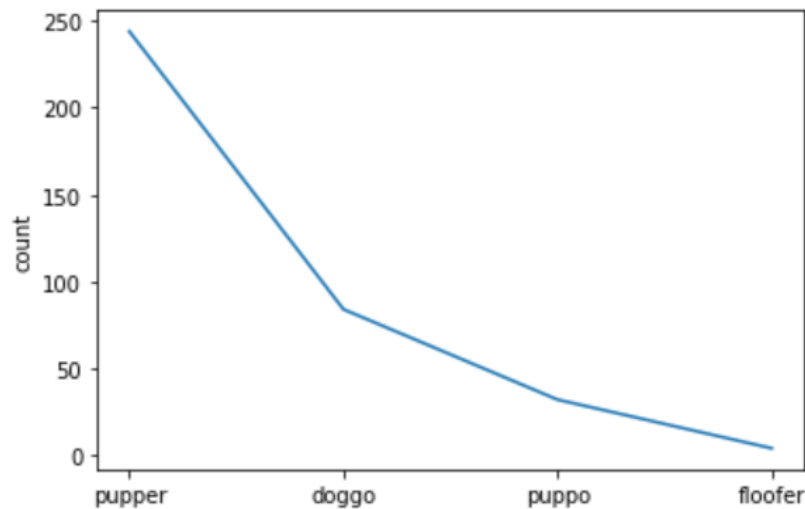
The next insight about my analysis, I would like to show you is the ratings, the Twitter Site gave the dogs. The result here was, that the site rated most of the dogs as 12/10, followed by 10/10 and 11/10. You can find the further most often rating in the code snippet below.

2) Most often Rating

```
[126]: twitter_master_c.rating_numerator.value_counts()
```

```
Out[126]: 12    500
          10    442
          11    426
          13    307
           9    156
           8     98
           7     54
          14     43
           5     36
           6     32
           3     19
           4     17
           2      9
           1      8
```

The last topic, I decided to investigate is the count of dogs in the different evolutionary stages. In the chart below, you can see that most of the dogs were puppers, followed by doggos, puppos and floofers. If you want to read more about the different stages of a dog, you can look at the “Dogtitionary” below.



THE DOGTIONARY		
<p>doggo /ˈdɒɡo/ noun</p> <ol style="list-style-type: none"> 1. A big pupper, usually older. This label does not stop a doggo from behaving like a pupper. 2. A pupper that appears to have its life in order. Probably understands taxes and whatnot. <p>“That’s a really good doggo.” “I give my doggo a firm pat every night before bed.”</p>	<p>“H*ck, that’s one pettable pupper.” “How many puppers could I fit on my body at once, if I were lying down?”</p> <p>puppo /ˈpɒpɒ/ noun</p> <ol style="list-style-type: none"> 1. A transitional phase between pupper and doggo. Easily understood as the dog equivalent of a teenager. 2. A dog with a mixed bag of both pupper and doggo tendencies. <p>“My puppo is still learning what it takes to be a trustworthy doggo.” “I would hug that puppo so passionately.”</p>	<p>snoot /snoot/ noun</p> <ol style="list-style-type: none"> 1. The nose of a dog. Usually found in places the dog may not fit. The location of the snoot may hint at where the dog’s interest lies. <p>“That is a beautiful snoot.” “I’ve been trying to boop my neighbor’s dog’s snoot for six years.”</p>
<p>pupper /ˈpʌpɪ/ noun</p> <ol style="list-style-type: none"> 1. A small doggo, usually younger. Can be equally, if not more mature than some doggos. 2. A doggo that is inexperienced, unfamiliar, or in any way unprepared for the responsibilities associated with being a doggo. 	<p>blep /ˈblep/ verb</p> <ol style="list-style-type: none"> 1. An extremely subtle act that occurs without the knowledge of the one who slips. The act includes one’s tongue protruding ever so slightly from the mouth, usually just noticeable enough that it attracts the attention it deserves. Can last between three seconds and four days. <p>“My doggo did a h*ck of a blep the other day.” “Get a load of this blep I captured.”</p>	<p>floof /floof, floof/ noun</p> <ol style="list-style-type: none"> 1. Any dog really. However, this label is commonly given to dogs with seemingly excess fur. Comical amounts of fur on a dog will certainly earn the dog this generic name. 2. Dog fur. The term holds true whether the fur is still on the dog, or if it has been shed off. <p>“Check out that majestic floof!” “The floof on my dog has gotten out of control but I don’t see anybody complaining any time soon.”</p>