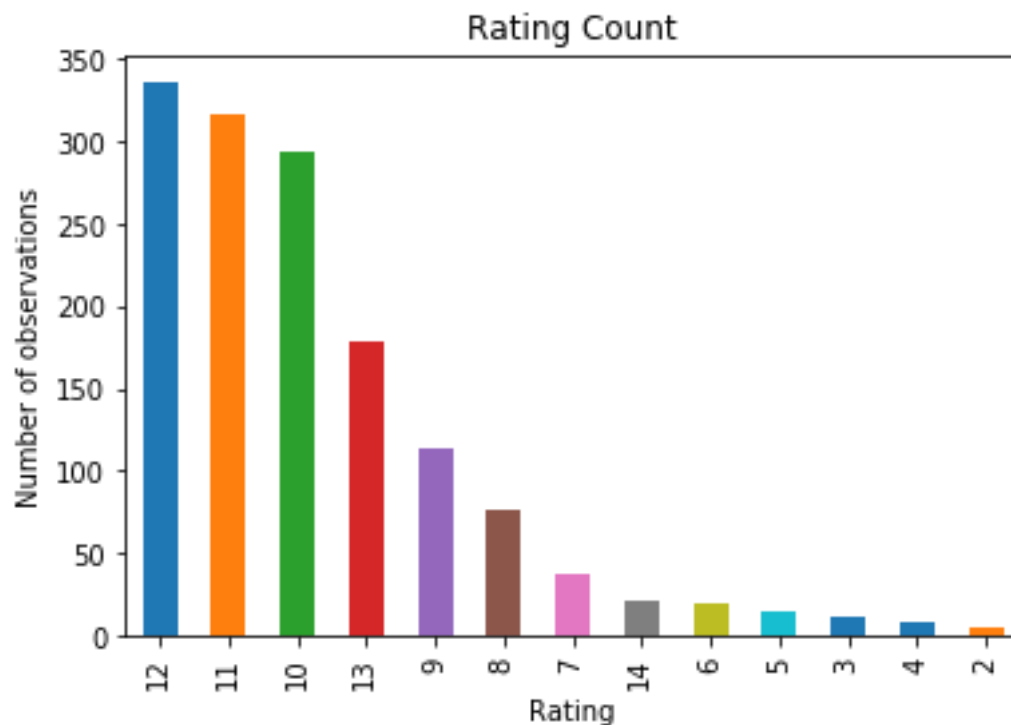


## @WeRateDogs insights

One of the first things that stands out from WeRateDogs is the way of rating dogs. Having 10 points denominators, ratings usually go over this number as following graph shows;



As we can see, most dogs rated are above 10, between 10 and 14, having most of them rated with 12 or 11.

Also, we managed to get the 10 most popular dogs name in our dataset;

```
Charlie    11
Lucy       10
Cooper     10
Oliver     10
Tucker     9
Penny      9
Winston    8
Sadie      8
Toby       7
Daisy      7
Name: name, dtype: int64
```

Now, if you're asking yourself about most popular dogs in our dataset, here some information base on twitter activity. Most favorited tweet is;



**WeRateDogs®**   
@dog\_rates



This is Duddles. He did an attempt. 13/10 someone help him (vid by Georgia Felici)

[Traducir Tweet](#)



4:07 p. m. · 26 jun. 2017 · [Twitter for iPhone](#)

**41,3 mil** Retweets   **100,7 mil** Me gusta

[https://twitter.com/dog\\_rates/status/879415818425184262](https://twitter.com/dog_rates/status/879415818425184262)

And most retweeted tweet is;

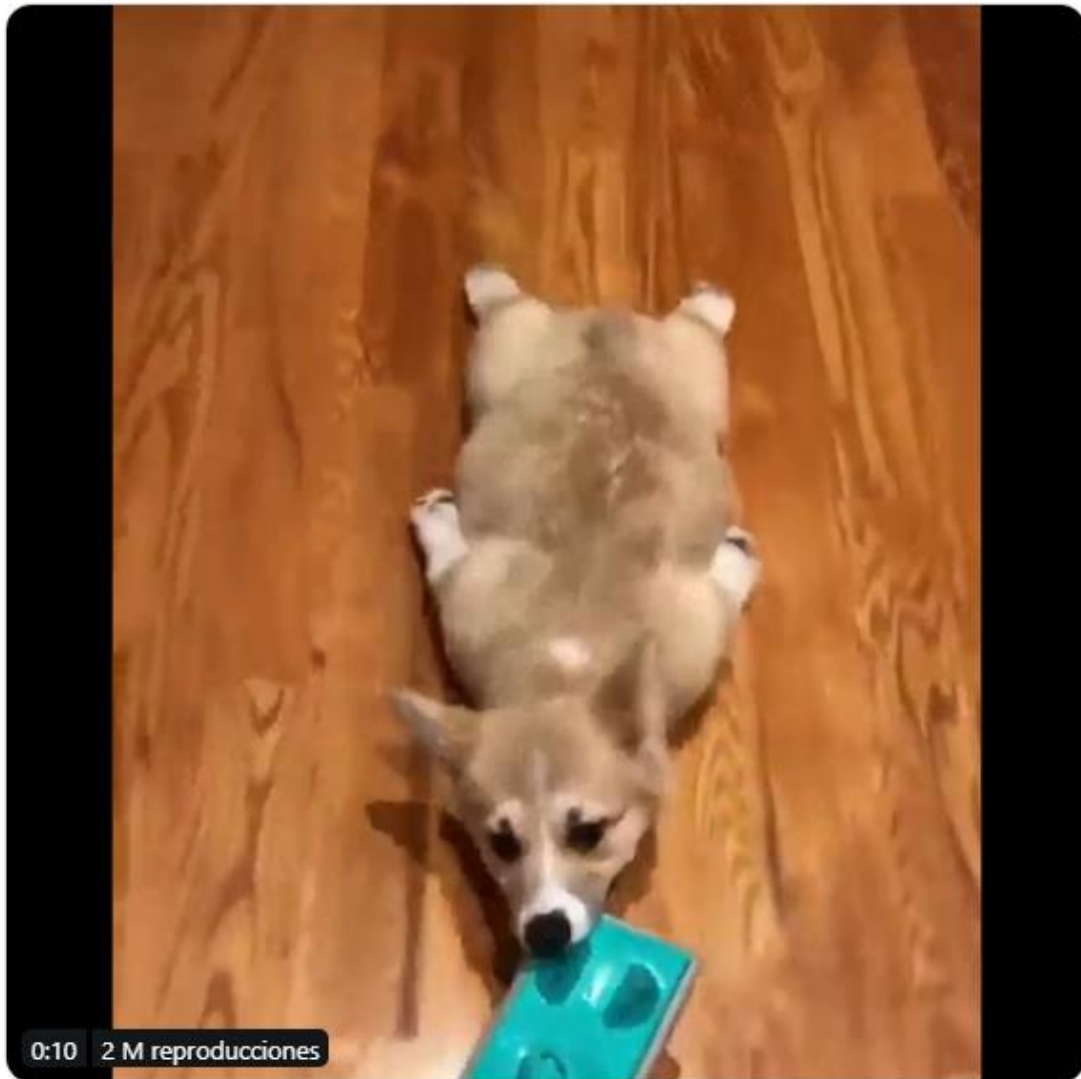


**WeRateDogs®** ✓  
@dog\_rates



This is Stephan. He just wants to help. 13/10 such a good boy

[Traducir Tweet](#)



3:17 a. m. · 9 dic. 2016 · [Twitter for iPhone](#)

**57,8 mil** Retweets   **122,6 mil** Me gusta

[https://twitter.com/dog\\_rates/status/807106840509214720](https://twitter.com/dog_rates/status/807106840509214720)

Both puppies and videotaped, seems that this combination really engage audience. Finally, we can say something about the neural network that can classify breeds of dogs. Image prediction

datasets make three attempts to classify the dog's breed based on a photo, here's a list of most predicted breeds by the neural network (p1, wich means first attempt);

```
golden_retriever    93
Pembroke            68
Labrador_retriever  67
Chihuahua           61
pug                 42
chow                34
toy_poodle          32
Pomeranian          27
Samoyed             25
malamute            23
Name: p1, dtype: int64
```

This results slightly differ if we apply some filters to the query. Using pandas .query method we asked to the dataset to get all rows where p1\_conf is higher than 0.8 and p1\_dog is True. This is to get best predicted results by the neural network. Result is shown below;

```
In [57]: prediction = dffinal.query('p1_conf >= 0.8 & p1_dog == True')
```

```
In [58]: prediction['p1'].value_counts()
```

```
Out[58]: golden_retriever    42
          Pembroke           30
          pug                24
          Labrador_retriever  22
          Pomeranian         17
          Samoyed            17
          Chihuahua          14
          chow               14
          French_bulldog     13
          German_shepherd     8
```