

DATA ACT REPORT

Using Python and its libraries, I gathered data from the tweet archive of Twitter user @dog_rates, also known as WeRateDogs as provided by Udacity for this project. These datasets were assessed/wrangled for quality and tidiness, after which it were cleaned, analyzed and visualized.

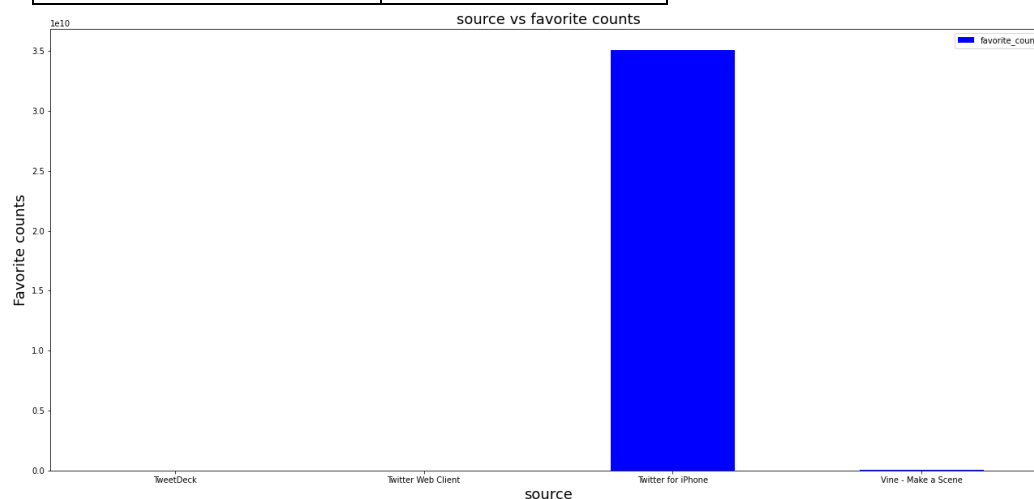
WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. These ratings have a denominator of 10, however, many of the numerators are greater than 10, i.e 11/10, 12/10, 13/10, etc. These gave improper fraction or simply awkward ratings. This unique rating system is a big part of the popularity of WeRateDogs and such the ratings does not need to be cleaned.

The three (3) questions I aimed to answer from the wrangled data were:

1. Which Dog Posts 'source' had the highest favourite counts?
2. Which of the Dog Types had the highest favourite counts?
3. What are the minimum and maximum values for both numerator and denominator dog ratings?

1. The Dog Posts 'source' with the highest favourite counts

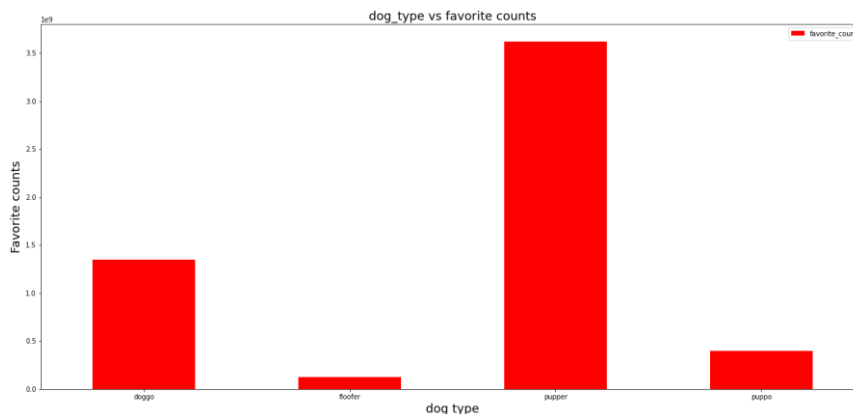
Posts Source	Favourite counts
TweetDeck	701,019
Twitter Web Client	5,533,345
Twitter for iPhone	35,088,047,291
Vine - Make a Scene	65,995,657



This Bar chart illustrated the various sources from which dog types were posted from and that Dog Posts made with iPhone (Twitter for iPhone) had the highest favourite counts (35,088,047,291).

2. The Dog Types with the highest favourite counts

Dog Types	Favourite counts
Doggo	1,345,062,280
Floofer	126,508,961
Pupper	3,620,860,858
Puppo	393,767,863



This Bar Chart illustrated the various Dog types and that Pupper had the highest favourite counts (3,620,860,858).

3. What are the minimum and maximum values for both numerator and denominator dog ratings?

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jupyter Wrangle_act - Funsho Ijalana Last Checkpoint: Last Thursday at 11:43 PM (unsaved changes)
File Edit View Insert Cell Kernel Widgets Help
In [63]: # to get the minimum numerator rating/ value
df4['rating_numerator'].min()
Out[63]: 1

In [64]: # to get the maximum numerator rating/ value
df4['rating_numerator'].max()
Out[64]: 165

In [65]: # to get the minimum denominator rating/ value
df4['rating_denominator'].min()
Out[65]: 2

In [66]: # to get the maximum denominator rating/ value
df4['rating_denominator'].max()
Out[66]: 150

This shows the minimum (1 and 2) and maximum (165 and 150) values of the dog ratings for both numerator and denominator respectively. The ratings many times had greater numerators than denominators. The fact that the rating numerators are greater than the denominators does not need to be cleaned. This unique rating system is a big part of the popularity of WeRateDogs.
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Insights

The Insights from the analysis were:

1. Dog Posts made with iPhone (Twitter for iPhone) had the highest favourite counts (35,088,047,291).
2. The Dog Type, Pupper, had the highest favourite counts (3,620,860,858).
3. The minimum and maximum numerator dog ratings were 1 and 165 respectively. The minimum and maximum denominator dog ratings were 2 and 150 respectively. The ratings many times had greater numerators than denominators. This unique rating system is a big part of the popularity of WeRateDogs.