

# Project Two Visualization Report: Twitter Dog Rating Data



This report presents the some insights into the wrangled WeRateDogs dataset, with additional information derived from three datasets [Enhanced Twitter Archive](#), [Tweet Image Predictions](#), and Additional data using the Twitter API.

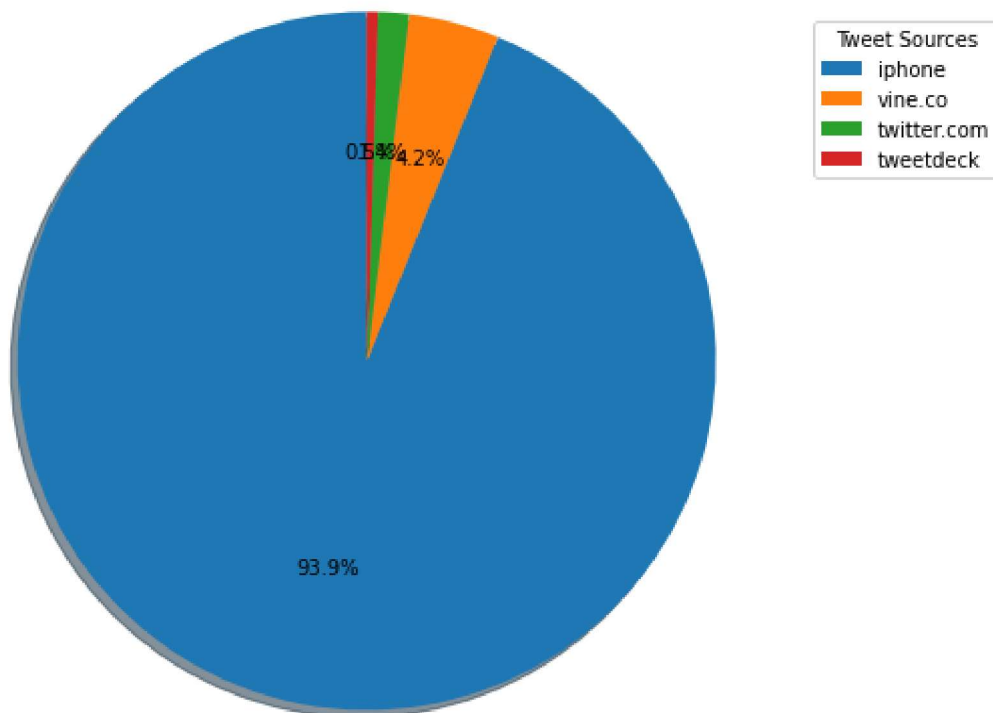
Exploring the sources of the tweets for the WeRateDogs Twitter Archive reveals that majority of the tweets were made using the Iphone (about 93.89%), while other tweets 6.1% were done via vine.co , twitter.com and tweetdeck

```
master_df.tweet_source.value_counts()
```

Tweet Source	Prorportion (%)
iphone	2042 (93.89)
vine.co	91 (4.18)

Tweet Source	Prorportion (%)
twitter.com	31 (1.43)
tweetdeck	11 (0.51)

Distribution of devices used to tweet for the Dog Rating

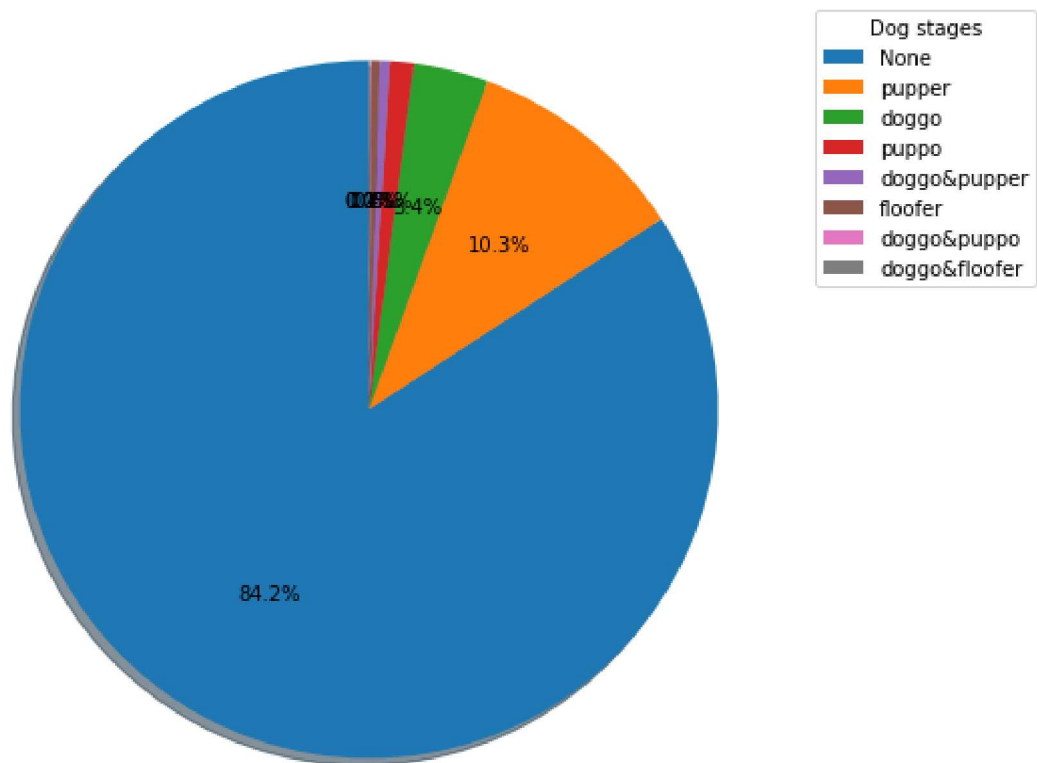


The dogs rated in this wrangled data were identified as either *doggo* , *floofer* , *pupper* , or *puppo* . Majority (~84.2%) of the tweets rated did not have any stage assigned to them. ~10.3% of the tweets assigned with dog stages were of the *pupper* stage, while ~0.56% of the tweets with dog stages had more than one stage assigned to them. A table of proportion of the tweet with dog stages are presented below:

```
master_df.dog_stages.value_counts()
```

Stage	Proportion (%)
None	1831 (84.18)
pupper	224 (10.30)
doggo	75 (3.45)
puppo	24 (1.10)
doggo&pupper	10 (0.46)
floofer	9 (0.41)
doggo&puppo	1 (0.05)
doggo&floofer	1 (0.05)

Distribution of dog stages for the Dog Rating by users

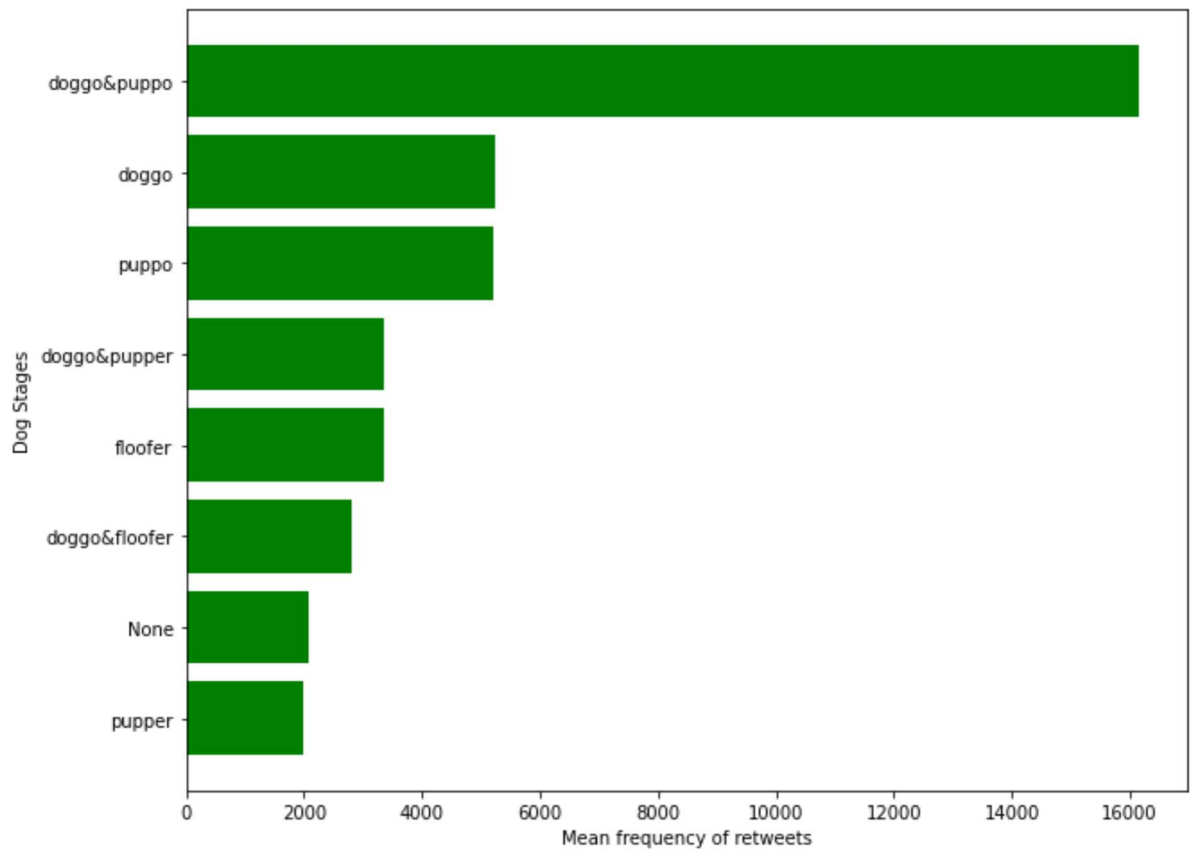


A further exploration of the dog stages assigned to the tweets for rating and the retweet counts, showed that tweets with assigned dog stages were retweeted more times than those without assigned dog stages. A table describing the counts and measures of the retweet counts by grouping with the dog stages is presented below:

```
master_df.groupby(['dog_stages'])['retweet.count'].describe()
```

dog_stages	count	mean	std	min	25%	50%	75%	max
pupper	224.0	1985.558036	3166.468961	24.0	552.00	995.5	2014.75	30242.0
<b>None</b>	<b>1831.0</b>	<b>2078.394866</b>	<b>3350.569776</b>	<b>0.0</b>	<b>439.00</b>	<b>1014.0</b>	<b>2425.50</b>	<b>51738.0</b>
doggo&floofer	1.0	2798.000000	NaN	2798.0	2798.00	2798.0	2798.00	2798.0
floofer	9.0	3343.222222	4452.148520	397.0	932.00	2053.0	3085.00	14752.0
doggo&pupper	10.0	3351.900000	4322.864417	1006.0	1820.25	2088.5	2488.75	15558.0
puppo	24.0	5205.125000	8258.073195	148.0	1321.50	2526.0	5653.00	39965.0
doggo	75.0	5235.400000	10806.009540	0.0	1568.50	2290.0	4136.50	70820.0
doggo&puppo	1.0	16149.000000	NaN	16149.0	16149.00	16149.0	16149.00	16149.0

Mean frequency of retweets with reference to the dog stages used for the Dog Rating by users



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