

Project 3: Representations and Analysis

)

Out[3]:

	tweet_id	source	text	expanded_urls	rating_numerator	rating_denominator	name	timestamp	favorite_count	retweet_count	dog_type
0	89242064355536193	http://twitter.com/download/iphone	This is Phineas. He's a mystical boy. Only eve...	https://twitter.com/dog_rates/status/892420643...	13.0	10.0	Phineas	2017-08-01 16:23:56	NaN	NaN	doggo
1	892177421306343426	http://twitter.com/download/iphone	This is Tilly. She's just checking pup on you...	https://twitter.com/dog_rates/status/892177421...	13.0	10.0	Tilly	2017-08-01 00:17:27	NaN	NaN	doggo
2	891815181378048864	http://twitter.com/download/iphone	This is Archie. He is a rare Norwegian Poincin...	https://twitter.com/dog_rates/status/891815181...	12.0	10.0	Archie	2017-07-31 00:18:03	NaN	NaN	doggo
3	891889567279858889	http://twitter.com/download/iphone	This is Darla. She commenced a snooze mid meal...	https://twitter.com/dog_rates/status/891889567...	13.0	10.0	Darla	2017-07-30 15:58:51	NaN	NaN	doggo
4	89132755892688259	http://twitter.com/download/iphone	This is Franklin. He would like you to stop ca...	https://twitter.com/dog_rates/status/891327558...	12.0	10.0	Franklin	2017-07-29 16:00:24	NaN	NaN	doggo
5	891087950875897856	http://twitter.com/download/iphone	Here we have a majestic great white breaching ...	https://twitter.com/dog_rates/status/891087950...	13.0	10.0	None	2017-07-29 00:08:17	NaN	NaN	doggo
6	890971913173961426	http://twitter.com/download/iphone	Meet Jax. He enjoys ice cream so much he gets ...	https://gofundme.com/ydvme-surgery-for-jax.ht...	13.0	10.0	Jax	2017-07-28 16:27:12	NaN	NaN	doggo
7	890729181411237888	http://twitter.com/download/iphone	When you watch your owner call another dog a g...	https://twitter.com/dog_rates/status/890729181...	13.0	10.0	None	2017-07-28 00:22:40	NaN	NaN	doggo
8	890609185150312448	http://twitter.com/download/iphone	This is Zoey. She doesn't want to be one of th...	https://twitter.com/dog_rates/status/890609185...	13.0	10.0	Zoey	2017-07-27 16:25:51	NaN	NaN	doggo
9	890240255349198849	http://twitter.com/download/iphone	This is Cassie. She is a college pup. Studying...	https://twitter.com/dog_rates/status/890240255...	14.0	10.0	Cassie	2017-07-26 15:59:51	NaN	NaN	doggo
10	890006608113172480	http://twitter.com/download/iphone	This is Koda. He is a South Australian deckha...	https://twitter.com/dog_rates/status/890006608...	13.0	10.0	Koda	2017-07-26 00:31:25	NaN	NaN	doggo
11	889880896479868881	http://twitter.com/download/iphone	This is Bruno. He is a service shark. Only get...	https://twitter.com/dog_rates/status/889880896...	13.0	10.0	Bruno	2017-07-25 16:11:53	NaN	NaN	doggo
12	889665388333682899	http://twitter.com/download/iphone	Here's a puppo that seems to be on the fence a...	https://twitter.com/dog_rates/status/889665388...	13.0	10.0	None	2017-07-25 01:55:32	NaN	NaN	doggo
13	889638837575907072	http://twitter.com/download/iphone	This is Ted. He does his best. Sometimes tha...	https://twitter.com/dog_rates/status/889638837...	12.0	10.0	Ted	2017-07-25 00:10:02	NaN	NaN	doggo
14	889531135344209821	http://twitter.com/download/iphone	This is Stuart. He's sporting his favorite fan...	https://twitter.com/dog_rates/status/889531135...	13.0	10.0	Stuart	2017-07-24 17:02:04	NaN	NaN	doggo
15	889278841981685790	http://twitter.com/download/iphone	This is Oliver. You're witnessing one of his m...	https://twitter.com/dog_rates/status/889278841...	13.0	10.0	Oliver	2017-07-24 00:19:32	NaN	NaN	doggo
16	888917238123831296	http://twitter.com/download/iphone	This is Jim. He found a fren. Taught him how L...	https://twitter.com/dog_rates/status/888917238...	12.0	10.0	Jim	2017-07-23 00:22:39	NaN	NaN	doggo
17	888804889199671297	http://twitter.com/download/iphone	This is Zeke. He has a new stick. Very proud o...	https://twitter.com/dog_rates/status/888804889...	13.0	10.0	Zeke	2017-07-22 16:56:37	NaN	NaN	doggo
18	888554962742787272	http://twitter.com/download/iphone	This is Ralphus. He's powering up. Attempting ...	https://twitter.com/dog_rates/status/888554962...	13.0	10.0	Ralphus	2017-07-22 00:23:06	NaN	NaN	doggo
19	888202515673088257	http://twitter.com/download/iphone	RT @dog_rates: This is Canela. She attempted s...	https://twitter.com/dog_rates/status/887473957...	13.0	10.0	Canela	2017-07-21 01:02:36	NaN	NaN	doggo
20	88807843445887136	http://twitter.com/download/iphone	This is Gerald. He was just told he didn't get...	https://twitter.com/dog_rates/status/888078434...	12.0	10.0	Gerald	2017-07-20 16:49:33	NaN	NaN	doggo
21	887705289381826560	http://twitter.com/download/iphone	This is Jeffrey. He has a monopoly on the pool...	https://twitter.com/dog_rates/status/887705289...	13.0	10.0	Jeffrey	2017-07-19 16:06:48	NaN	NaN	doggo
22	887517139158053824	http://twitter.com/download/iphone	I've yet to rate a Venezuelan Hover Wiener. Th...	https://twitter.com/dog_rates/status/887517139...	14.0	10.0	such	2017-07-19 03:39:09	NaN	NaN	doggo
23	887473957103951883	http://twitter.com/download/iphone	This is Canela. She attempted some fancy porch...	https://twitter.com/dog_rates/status/887473957...	13.0	10.0	Canela	2017-07-19 00:47:34	NaN	NaN	doggo
24	887343217045368832	http://twitter.com/download/iphone	You may not have known you needed to see this ...	https://twitter.com/dog_rates/status/887343217...	13.0	10.0	None	2017-07-18 16:08:03	NaN	NaN	doggo
25	88710138204085790	http://twitter.com/download/iphone	This... is a Jubilant Antarctic House Bear. We...	https://twitter.com/dog_rates/status/887101392...	12.0	10.0	None	2017-07-18 00:07:08	NaN	NaN	doggo
26	88698323352544640	http://twitter.com/download/iphone	This is Maya. She's very shy. Rarely leaves h...	https://twitter.com/dog_rates/status/886983233...	13.0	10.0	Maya	2017-07-17 16:17:36	NaN	NaN	doggo
27	886736880519319552	http://twitter.com/download/iphone	This is Mingus. He's a wonderful father to his...	https://www.gofundme.com/mingusneedsus/https://...	13.0	10.0	Mingus	2017-07-16 23:58:41	NaN	NaN	doggo
28	886680336477933568	http://twitter.com/download/iphone	This is Derek. He's late for a dog meeting. 13...	https://twitter.com/dog_rates/status/886680336...	13.0	10.0	Derek	2017-07-16 20:14:00	NaN	NaN	doggo
29	886366144734445568	http://twitter.com/download/iphone	This is Roscoe. Another pupper fallen victim L...	https://twitter.com/dog_rates/status/886366144...	12.0	10.0	Roscoe	2017-07-15 23:25:31	NaN	NaN	doggo
...	...	...	...	...	...	...	...	...	...	...	...
18506	666099513787052032	NaN	NaN	NaN	NaN	NaN	NaN	153.0	67.0	puppo	
18507	66609400002159362	NaN	NaN	NaN	NaN	NaN	NaN	163.0	72.0	puppo	
18508	666082916733198337	NaN	NaN	NaN	NaN	NaN	NaN	116.0	44.0	puppo	
18509	666073100786774016	NaN	NaN	NaN	NaN	NaN	NaN	318.0	162.0	puppo	
18510	666071193221591020	NaN	NaN	NaN	NaN	NaN	NaN	145.0	59.0	puppo	
18511	666063827256086533	NaN	NaN	NaN	NaN	NaN	NaN	471.0	215.0	puppo	
18512	666058600524156928	NaN	NaN	NaN	NaN	NaN	NaN	111.0	57.0	puppo	
18513	666057090499244032	NaN	NaN	NaN	NaN	NaN	NaN	294.0	141.0	puppo	
18514	66605552942405380	NaN	NaN	NaN	NaN	NaN	NaN	432.0	243.0	puppo	
18515	666051853826858016	NaN	NaN	NaN	NaN	NaN	NaN	1209.0	841.0	puppo	
18516	666050758794694657	NaN	NaN	NaN	NaN	NaN	NaN	132.0	59.0	puppo	
18517	666049248165822465	NaN	NaN	NaN	NaN	NaN	NaN	108.0	41.0	puppo	
18518	666044226329800704	NaN	NaN	NaN	NaN	NaN	NaN	296.0	139.0	puppo	
18519	666033412701032449	NaN	NaN	NaN	NaN	NaN	NaN	125.0	44.0	puppo	
18520	666029285002620928	NaN	NaN	NaN	NaN	NaN	NaN	129.0	47.0	puppo	
18521	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18522	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18523	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18524	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18525	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18526	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18527	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18528	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18529	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18530	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18531	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18532	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18533	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18534	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	
18535	666020888022790149	NaN	NaN	NaN	NaN	NaN	NaN	2541.0	507.0	puppo	

18536 rows × 11 columns

Out[4]:

	tweet_id	rating_numerator	rating_denominator	favorite_count	retweet_count
tweet_id	1.000000	0.024164	-0.022247	0.503767	0.378341
rating_numerator	0.024164	1.000000	0.185600	NaN	NaN
rating_denominator	-0.022247	0.185600	1.000000	NaN	NaN
favorite_count	0.503767	NaN	NaN	1.000000	0.797092
retweet_count	0.378341	NaN	NaN	0.797092	1.000000

As the above chart shows, tweet id and rating numerator are positively correlated. This indicates that, as the author tweeted more often, the higher the rating became. This could be due to the fact that a high numerator became more characteristic of the twitter user and thus became more of a signature

Also, favorite count and retweet count are extremely positively correlated. Favorite and tweet counts are also positively correlated with tweet\_id, suggesting that tweets increased in popularity with the passage of time/tweets.