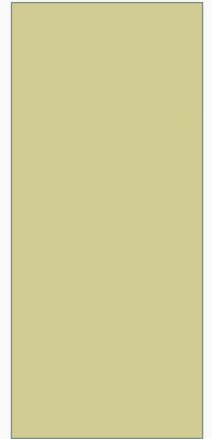


<http://pavlovagency.com/wp-content/uploads/2015/09/cat-vs-dog.jpg>

DOGGOS VS. KITTEHS ON TWITTER

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<https://rthb.lexblogplatformthree.com/wp-content/uploads/sites/111/2016/10/twitter-company-statistics.jpg>

PROJECT IDEA

- Cats vs. Dogs on Twitter: Who is more popular?
 - Comparing the amount of likes and also comparisons between neologisms for/about cats and dogs.
 - Cats:
 - #cat #cats #kitteh #toebeans
 - Dogs:
 - #dog #dogs #doggo #doge



<http://i0.kym-cdn.com/photos/images/original/001/200/810/9bc.jpg>



<https://i.imgflip.com/ziaw1.jpg>

WHY DID I WANT TO DO THIS?

- While browsing the internet one day I noticed that dog memes seemed to be a lot more prominent than cats and I wondered how true this really was.
- I had noticed that there were just as many neologisms, but dogs just generally seemed more prominent. So I wanted to find out how accurate that actually was.
- Example of a dog meme:



PROJECT PLAN

- Use Tweepy to gather data from Twitter on posts people have about cats and dogs.
- Compare tweet data using numpy and matplotlib to show statistics and compare the data.
 - Compare number of retweets and favorites.
 - Compare location, number, and time zone.
 - If the neologism hash tags are more popular or not.

LET'S TAKE A LOOK!

- To my jupyter notebook!
- Project found here:
 - https://github.com/Data-Science-for-Linguists/Dog_vs_Cat_Neologisms_on_Twitter

CONCLUSIONS

- When working with live data from Twitter, one moment you can have data that points you in one direction, and the next it will point you in a completely different direction
- If you update enough, and a tweet is gaining major popularity, you can actually watch it happen as you update (just be sure to wait 15 minutes between updates).
- Dogs seem to have generally more posts than cats (at least with the words I had chosen) however, the popularity of these posts leave things a bit on the ambiguous side. Dogs definitely get more likes, but cats get a whole lot more retweets.

CONCLUSIONS CONT.

- The simpler (less new) hash tags seem to be the most popular still. #cat and #dog for the win
- Common locations by time zone:
 - Most cat retweets: Dublin, Germany
 - Most dog retweets: United States (Phoenix, Arizona)
 - Most cat favorites: Volgograd, Russia
 - Most dog favorites: Karachi, Pakistan
- Most on a single post:
 - Most cat retweets: 12,010,831
 - Most dog retweets: 564,744
 - Most cat favorites: 3,838
 - Most dog favorites: 10,625

LOOKING FORWARD

- It would be interesting to see if the personality differences between dog people and cat people relate to people who are more likely to retweet a post vs. only favorite a post.



<https://data.whicdn.com/images/270820550/original.png>

<http://cathumor.net/wp-content/uploads/2014/05/cat-humor-human-i-request-your-assistance-hanger.jpg>



EXTRA MATERIAL FOR THOSE WHO ARE INTERESTED

- Neologisms for dogs:
 - www.youtube.com/watch?v=ah6fmNEtXFI
 - <https://www.youtube.com/watch?v=bphPp8k9aZo>
 - https://www.youtube.com/watch?v=_vRHGRWi9_U
- Neologisms for cats:
 - <https://www.youtube.com/watch?v=1S69FTdTS8g>
 - <https://www.youtube.com/watch?v=dvy-c5DhuRQ>
 - <https://pics.me.me/catanatomy-pads-of-suence-x-used-for-approaching-boop-snoot-23822796.png>
- Other works:
 - <http://www.bbc.com/future/story/20121025-language-lessons-from-twitter>
 - <http://aclweb.org/anthology/W16-2605>