WeRateDogs Project: Insights Report
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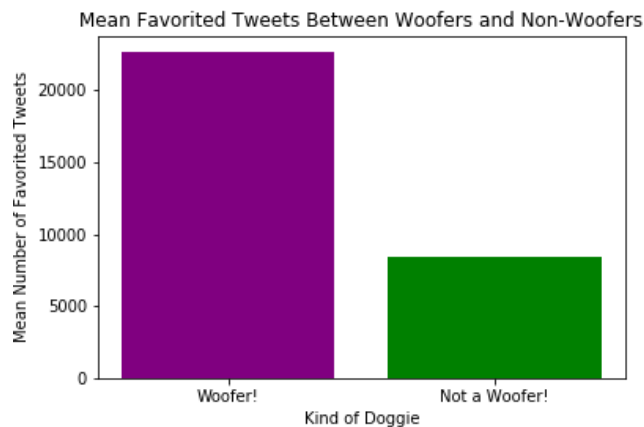Udacity - Data Analyst Nanodegree
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Introduction
Hey there folks! As part of this project, we'll be analyzing information from the illustrious WeRateDogs Twitter account. This Twitter account is all about rating dogs traditionally on a scale of 10, and as you'll notice, almost all dogs rate above a 10 because, well, why would you rate a dog any less??

Without further ado, let's get into it! (Woof, woof!)

Insight #1: Does It Matter if You're a Woofer?
"Woofer" is my collective reference to any dog that had a special label like "puppo', "floofer", and more. Many of these dogs didn't have a special label like that! :(This doesn't mean that dogs with those labels are any better... or does it? I was curious to see, so I grouped all dogs together WITH the 'woofer' label and WITHOUT the "woofer" label to get a sense if there was truly any disparity between the two.
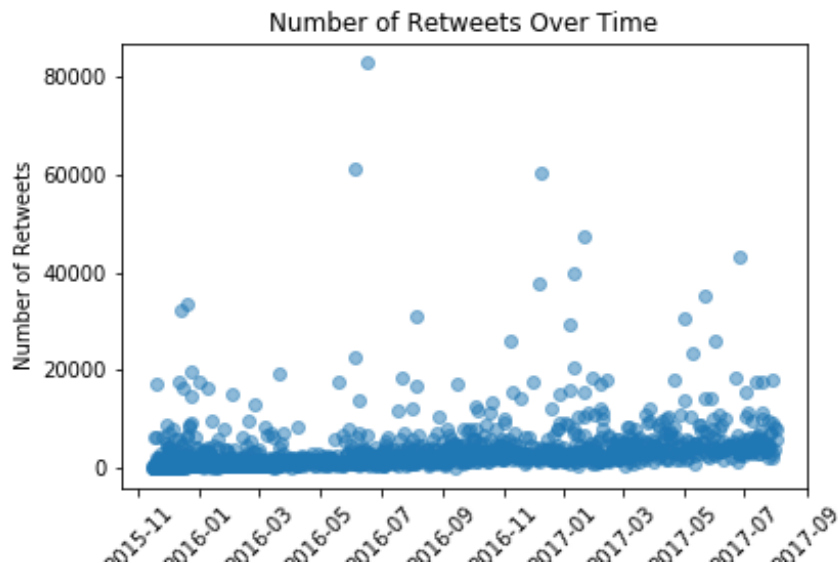

Insight #1 Conclusion
Well.... ummmm... all dogs are still created equal, right?

Actually, this is definitely an unfair comparison. The reason for this is that the number of dogs that got the 'woofer' label were extraordinarily low compared to dogs without the 'woofer' label. Still, it would merit some interest in the future to see what would happen if WeRateDogs was more intentional about adding these special labels. Would those dogs get more favorites? Maybe. But I'm going to label this one as inconclusive.

Insight #2: Better Time of Year for Retweets?

We'd like to think we're equally as kind and generous year round, but let's be honest: we have a tendency to be NICER around the holidays. That said, I was specifically curious to see if tweets generally favored better around the end of a given year. We worked with Favorites last time, so this time, let's plot out number of retweets instead.

Insight #2 Conclusion

The outliers make this one really difficult to see. Generally speaking, however, I think our visual analysis here doesn't give any credence to my hypothesis that people retweet around the holidays. If I do see one thing here, however, it's that number of retweets over time seems to be increasing in general. If I had to guess, I'd attribute that the the proportionate growth in number of users over time. (Or in layman's terms, mo' users, mo' retweets.)

Insight #3: What's So Special About Those Outliers?

For our last insight, I was very curious to see why some of these dogs got extremely high ratings when most other dogs got around a score of 11 or 12. For that, I'll take the top 3 dogs AND the 2 bottom dogs and see why.

Our Top Dog with a Rating of 1776

Well this is most certainly appropriate, I do say! Should I have expected any less? I do fine it hilarious that the prediction correctly guessed that the dog is wearing a bowtie and hat but couldn't actually figure out what the dog is. But that's okay. With this pooch decked out in full Fourth of July gear, we'll give our computer vision algorithm a patriotic pass.

Our Second Highest Dog with a Rating of 420

Okay... I genuinely was NOT expecting this image. I knew it would be a little dicey given that number, but I was expecting something like a cute pup in a tye dye t-shirt or something, ya know? I can't tell if it's the lack of sleep from mashing through this project, but I laughed so hard when this image loaded. Like... embarrassingly hard. WeRateDogs, you slay me!
Oh, and the image predictor... where the heck did you get "drumstick" from?? Go home, image predictor, you're drunk! (Or high...?)
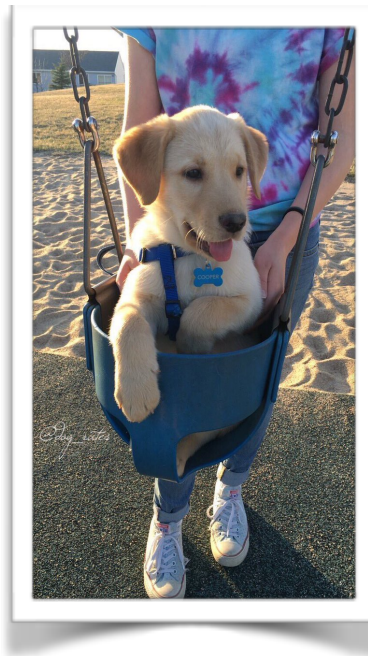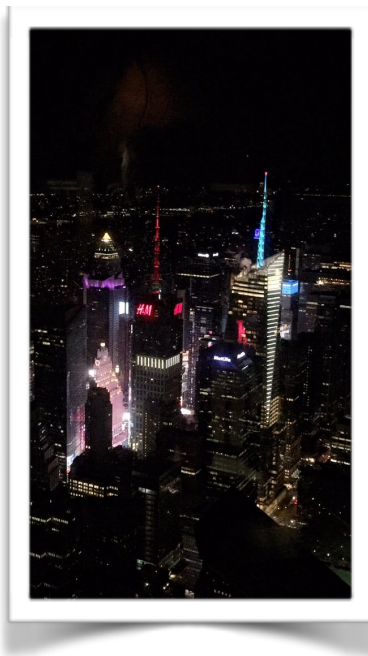
Our Third Highest Dog with a Rating of 204

Alright, I get it now. Multiple dogs = multiple ratings = higher score. I see you, WeRateDogs.

And image predictor... there are no king penguins here.

Our Poor Pooches Tied for Last with a Rating of 0

Hmmm... I totally get the cityscape. It's a cityscape, not a dog. Fine.

BUT why. Why oh why the other poor pooch?? What did he do to get a 0??? Actually after doing a little digging, I came to find out that WeRateDogs was being intentionally plagiarized by another Twitter account, so WeRateDogs was giving that OTHER Twitter account a 0/10, not the dog itself. The dog was just caught up in some unfortunate nonsense. Don't worry, buddy, you're still a 13/10 in our eyes.

Insight #3 Conclusion
That was fun! I'm glad to see that none of these dogs were inherently better than our traditional dogs and simply benefactors (or non-benefactors) of coincidental happenstance.

Because remember, **they're good dogs, Brent.**