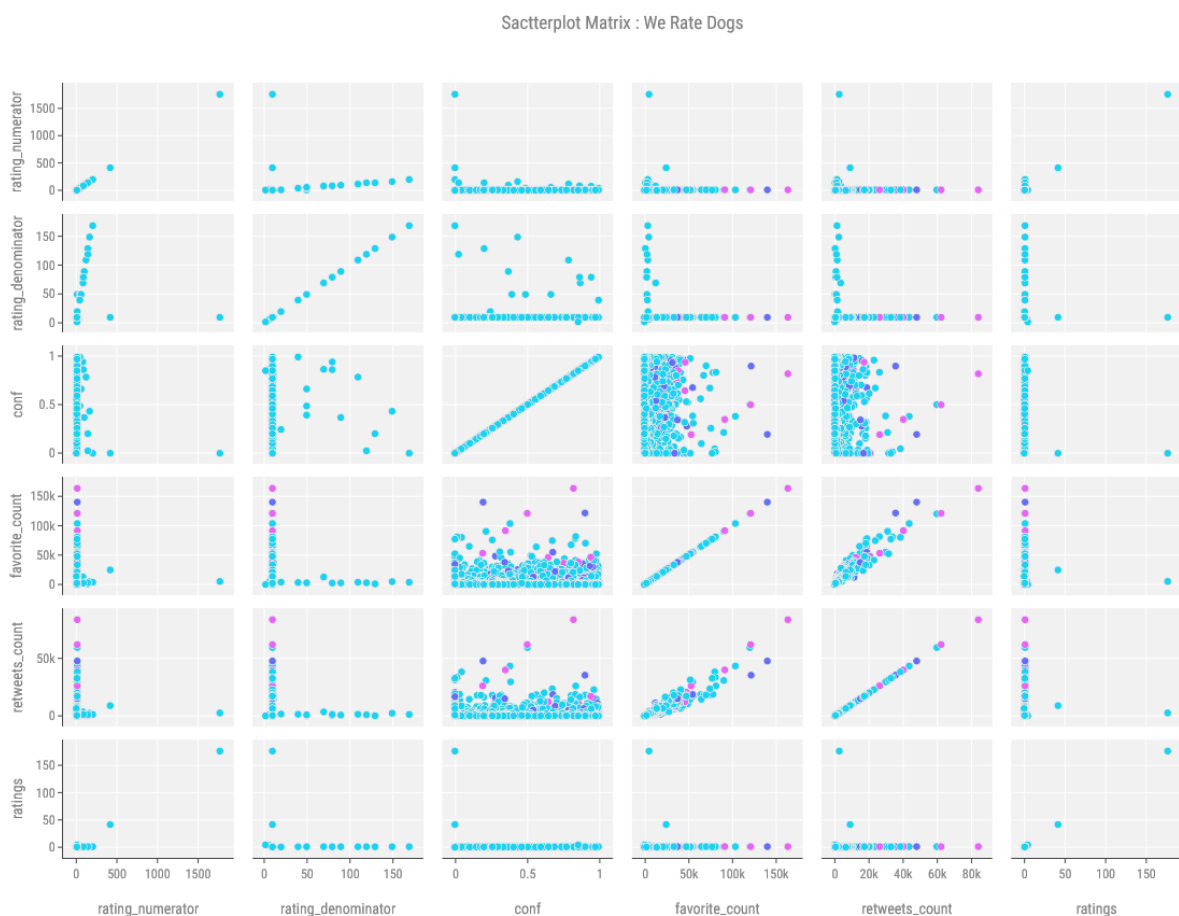# Analysing and Visualizing WeRateDogs

Introduction

WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. It was created by a college student Matt Nelson in 2015, and has since gained international attention.

Matt Nelson curates the pictures (provided to him) and uploads on his the @dog_rates twitter account with humorous captions and ratings out of 10. However, most of his rating are above 10 (upto 1776 in a rare case).
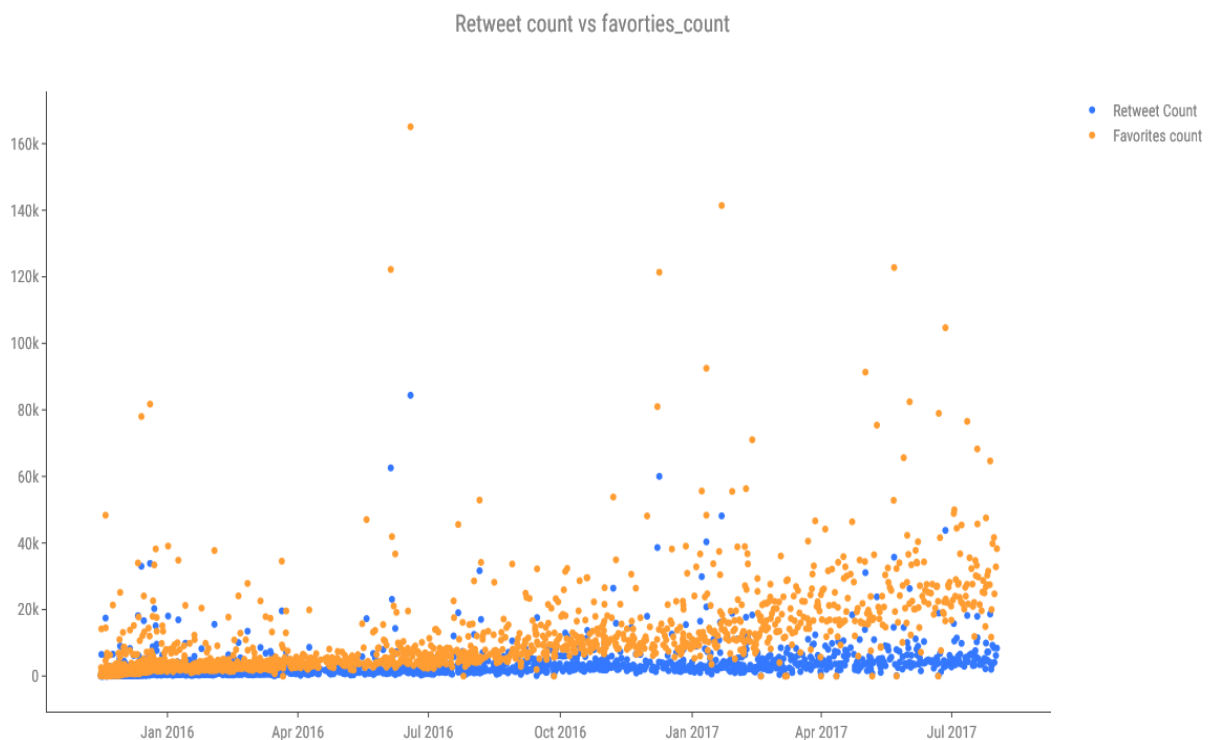
Exploring Correlation

Correlation plots are an excellent visualization tool to find if any two variables are dependent on each other. The below scatterplot matrix show us the correlation between important variables in the dataset.
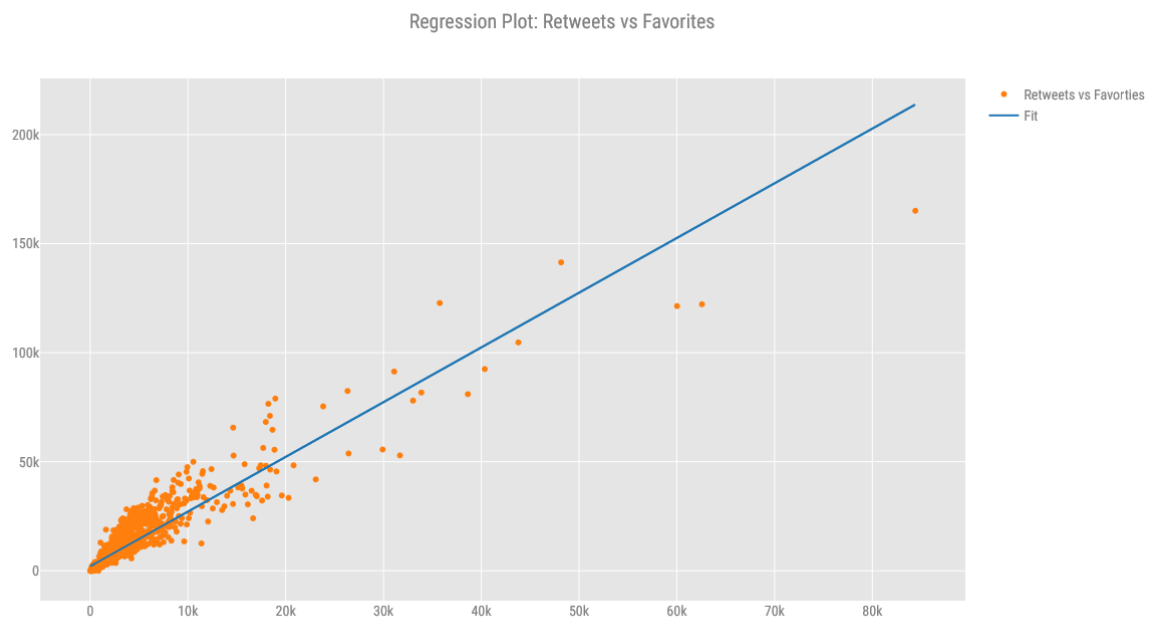

Sactterplot Matrix : We Rate Dogs

Observations:

- There is no correlation between rating and any of the variables. In fact, the rating is not based on any of the variables in the dataset and is a generous number given by the curator of the images. This explains why highly rated pics did not have a high number of retweets or favourites.

- The retweet counts and the favourites count have a strong correlation and has a linear relationship.

Retweets and Follows over time

While 1 year is not a long duration, we can see that the retweet count and the followers count is slowly increasing over time.

Scatterplot: Retweets and Favourites

Regression Plot: Retweets vs Favorites

Looking closer into the regression plot of retweets counts and favourites count, we can observe a strong positive correlation and they have a linear relationship. The below image has the highest number of retweets (84,395) as well as the highest number of favourites (1,65,067) in the dataset.

WeRateDogs™ @dog_rates

Here's a doggo realizing you can stand in a pool. 13/10 enlightened af (vid by Tina Conrad)

0:30 12.5M views

11:26 AM – 18 Jun 2016

84,395 Retweets 165,067 Likes