

# Act report

## Insight 1-

I try to find the 3 dogs breed that the neural network has more confidentiality to predict the dog's breed.

I took only the first prediction and filtered p1\_dog to 'true' because I want only dog breeds.

I found that the breed that has the higher average of confidentiality by agg function.

And the breeds are:

**Komondor** with 97% confidence.

**Clumber** with 94% confidence.

**Brittany spaniel** with 87% confidence.



## Insight 2

I try to find which dog stage has the higher rating.

I filtered the stage column to remove the row that did not have a stage and get only the rows with the stage (doggo, floofer, pupper, or puppo)

I group by stage and find the average ratings.

puppo has the top rating of 120% and pupper has the lowest rating of 107%

## insight 3 and visualization-

I try to find if it correlates with the number of times that tweet gets a retweet and the number of 'likes' (favorite count).

First, I check for the correlation programmatically with the 'corr' function and I found a strong positive correlation.

The correlation was 0.91 and a correlation bigger than 0.7 is called strong.

After that, I made a visualization to make the insight clear.

In the X axis, I put the retweet count column and in the Y axis, I put the favorite count column.

I added a trend line so that we can see a strong positive correlation.

A line chart with the correlation between retweets and likes.

