

Act Report

First Step : Importing libraries

I imported the necessary libraries;

```
import pandas as pd
```

```
import numpy as np
```

```
import matplotlib.pyplot as plt
```

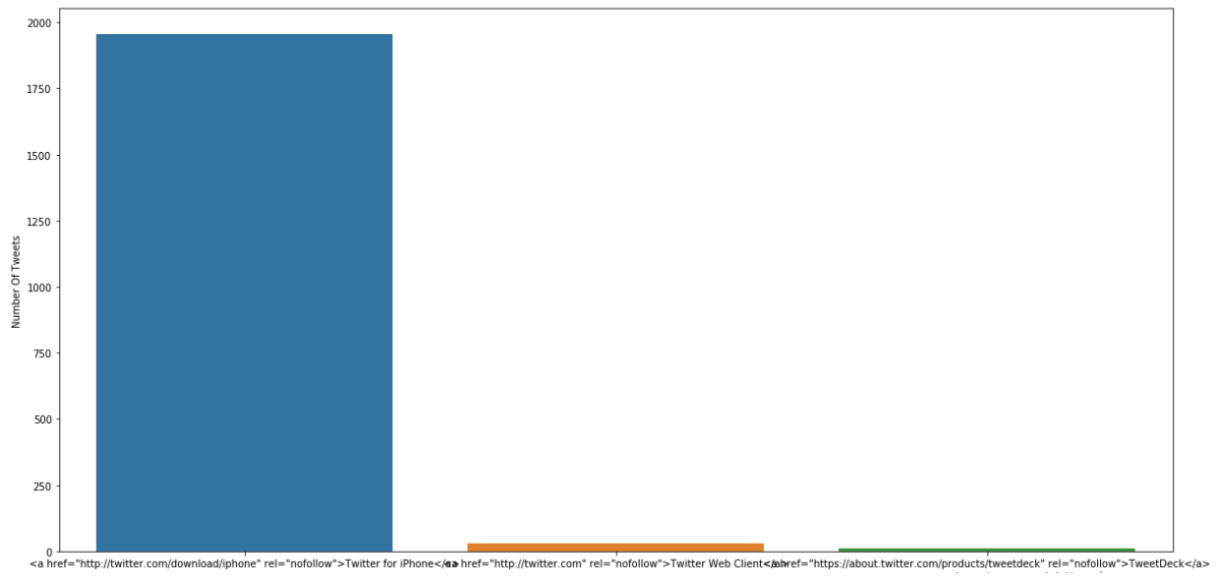
```
import seaborn as sns
```

Second step: Importing, Assessing and cleaning data

I imported and assessed the data and cleaned it as described in my wrangle report.

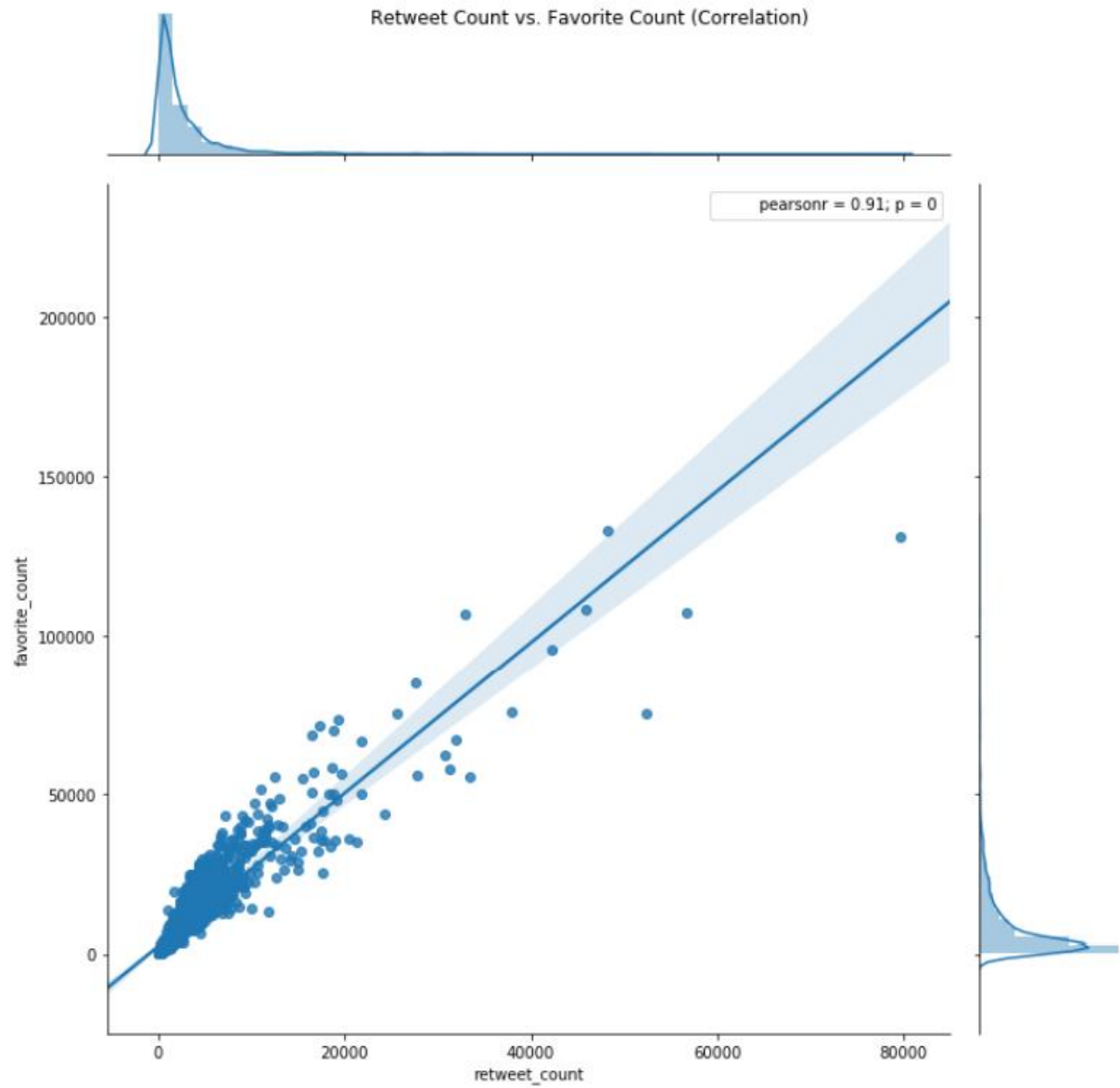
Third step: Analysis and visualizations

I did the analysis of what devices visitors of WeRateDogs use. I made the following figure



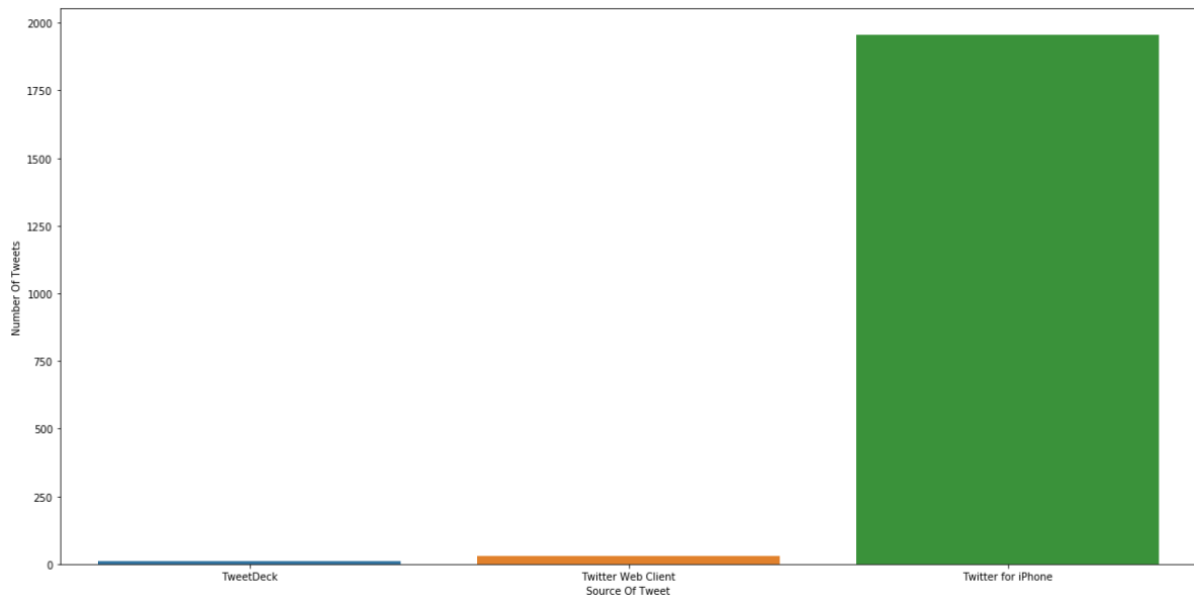
A countplot was suitable for this analysis and visualization because it can clearly show the difference in the counts of different devices used when visiting WeRateDogs Twitter account. From this visualization, we can conclude that most visitors to the WeRateDogs Twitter account use iPhones while a small population use TweetDeck.

The next analysis I did was to check if there's a correlation between favorite_count and retweet_count. I created a jointplot. A jointplot was necessary for this analysis because it is able to clearly show the correlation between the two variables.



From the jointplot above, I came to the conclusion that favorite_count and the retweet_count are positively correlated.

I did an analysis of the devices that users who visit the WeRateDogs use. I used a countplot for this visualization since it counts the number of users from the dataset and clearly depicts the differences between the different devices.



We can see from the above graph that the majority of the plots are from Twitter for iPhone, implying that the majority of the users are iPhone users while a small population of visitors use TweetDeck.