

## Act Report

After cleaning the data, came the analysis and visualization step.

The Analysis procedure led to some findings and insights, which are as follows:

- 1- The majority of the tweets were posted using “Twitter for iPhone” application 1964 to be precise, while only 31 tweets were posted using an ordinary browser.
- 2- In average each tweets got a count of 2840 retweets, and 8980 favorites.
- 3- The tweet with the highest number of retweets was the one with id: 744234799360020481, it got 79,515 retweets, and was posted on 18/6/2016.
- 4- The tweet with the highest number of favorites was the one with id: 822872901745569793, it got 132,810 favorites, and was posted on 21/1/2017.
- 5- We also calculated the yearly average of the retweets and the favorite count, and found not only that it increased each year, but also that the difference between each successive years increased.

year	retweet_count	favorite_count
2015	1111.652695	2545.619760
2016	2831.055028	7775.229602
2017	5953.229333	23833.029333

- 6- We also found that the month with highest tweets is '2015 – 12' and the one with least is '2017 - 8'.
- 7- Also we found that month with highest retweets is '2015- 12' and the one with the least is '2017 - 8'.
- 8- The month with highest favorites is '2017 - 7' and the one with the least is '2017 - 8'.
- 9- We calculated the average daily also, and we found that the day with the highest average retweets was ‘2016-12-09’, and the one with highest favorites is ‘2016-12-09’.
- 10- We found out that ‘**Wednesday**’ is the most popular day for the number of retweets or favorites.

A sample of the visualizations made were as follows:





