

Twitter Exploring For Apple's New Products

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December 18, 2017

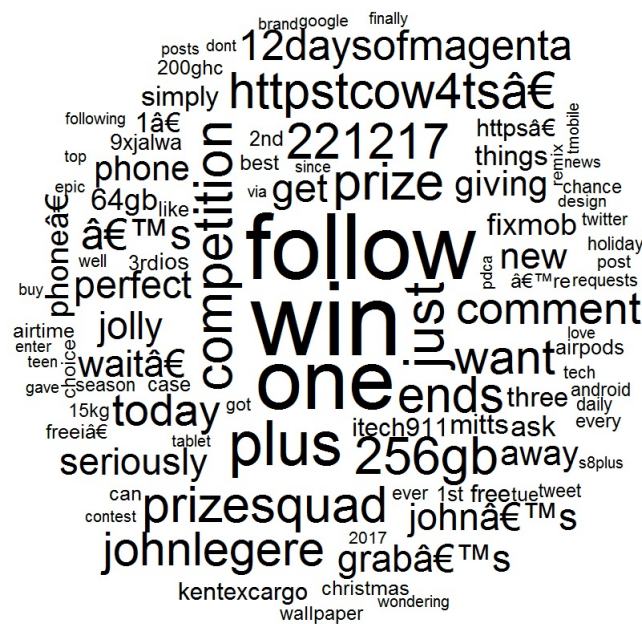
Cleaning text data and transform into corpus, then produce the wordclouds for IphoneX.



Analyze for Iphone X word cloud.

From the word cloud above, we can find that appeared most frequently is "winners", " choice", "glam life guru" and "biggest". I think they mean Iphone X is a perfect new product for customers.

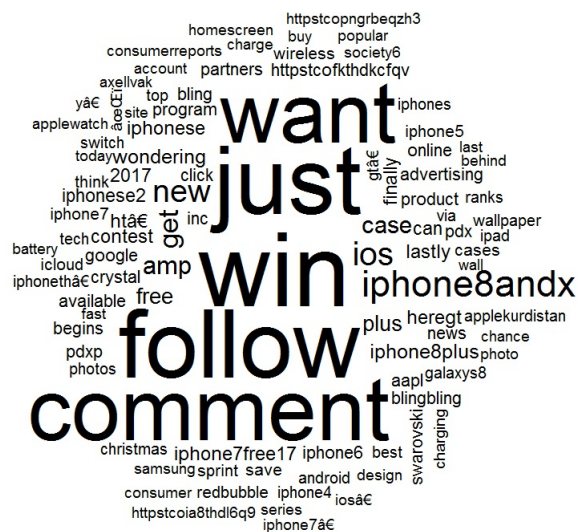
Cleaning text data and transform into corpus, then produce the wordclouds for Iphone8.



Analyze for Iphone 8 word cloud

From the word cloud for iphone 8 above, we can find "follow", "prize", "win". I think these two words mean people would like to buy it. The word "256 gb" may be means that iphone 8 which are 256gb is better than others with other storage.

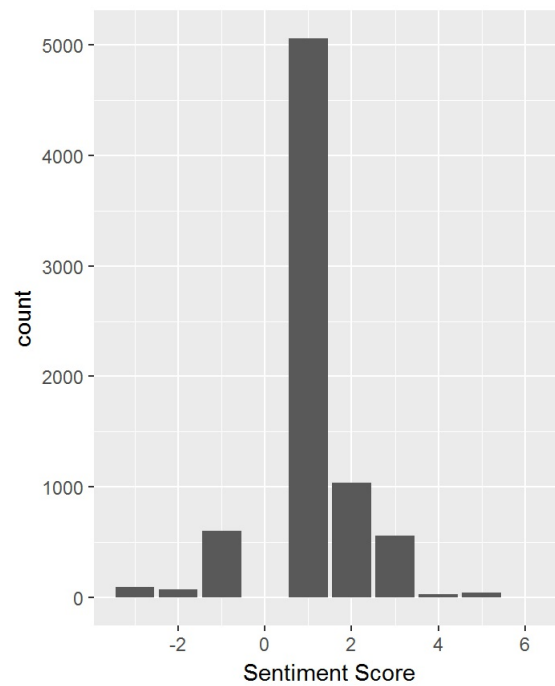
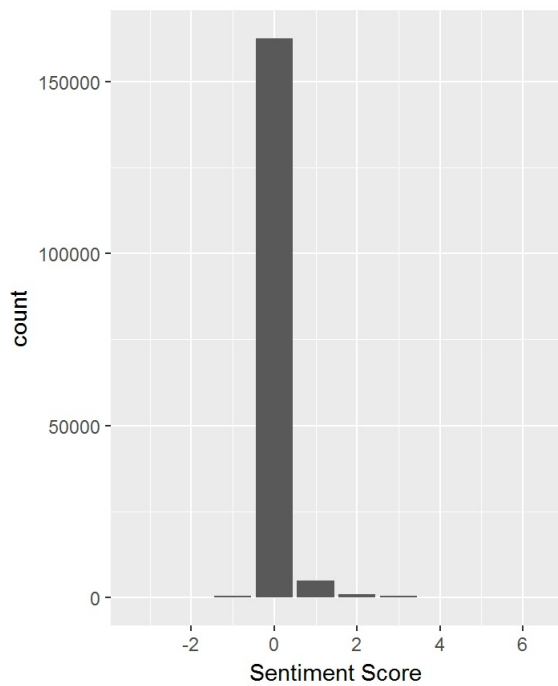
Cleaning text data and transform into corpus, then produce the wordclouds for Iphone8 & Iphone X.



Analyze for Iphone 8 and Iphone X word cloud

The word cloud of "Iphone 8 and iphone x", though we can see there are "follow", "win", "just" and other words in it, we can't make any conclusion of it. Because from the word cloud we can't see any emotional bias between Iphone 8 and Iphone X. So if we want to do further analyze, we need to make a sentimental analysis, which can help us to learn more about the sentimental bias among people who send these twitters.

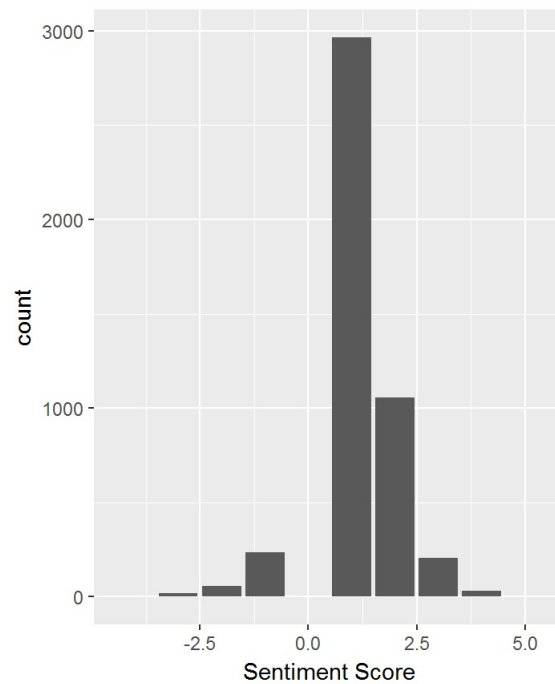
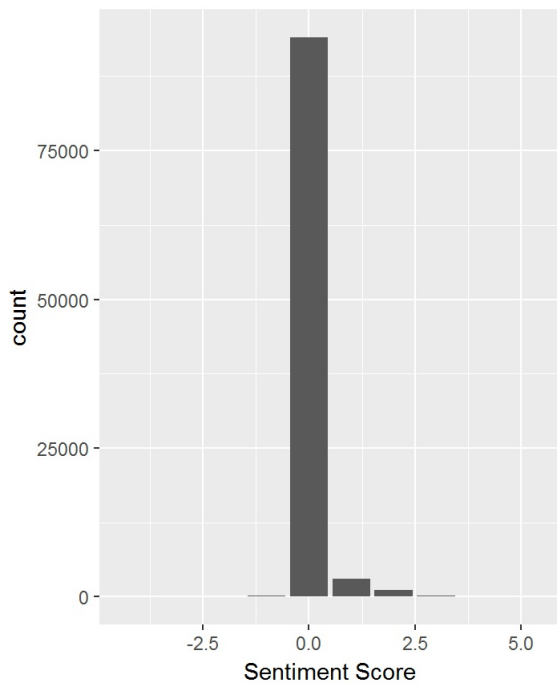
Setting up functions for sentimental analysis.



Bar plot for attitude scores of Iphone X.

The barplot I showed above, on the left side is the plot for all scores after grading by positive words and negative words. On the right side, I remove the zero scores which present neutral attitude, and plot the positive and negative bias. From the plot we can find that most of the people's twittwer are neutral. Then I remove the zero scores, I find most of the attitude are positive with most of the scores are 1 point. So I think that most of people have positive attitude towards Iphone X.

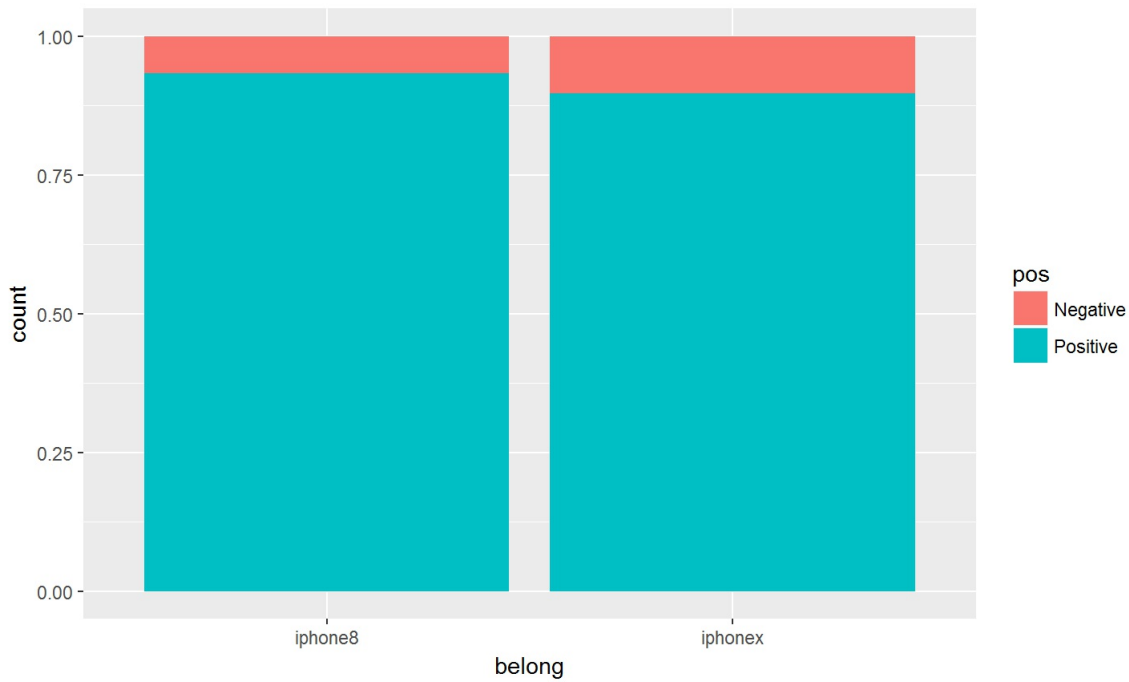
Plotting results through Barplot to see the numbers of each point for iphone 8 dataset.



Barplot for attitude scores of Iphone 8.

Like graph of Iphone 8, most of people had neutral attitude of their twitters, however, when I removed the zero scores, most of people have positive attitude towards iphone 8. So I try to compare Iphone X and Iphone 8 by looking at the ratio among each scores.

Ratio of sentiment scores for iPhoneX and iPhone8 without 0 scores.



Analyze for ratio of attitude scores for Iphone X and Iphone 8

From the ratio of scores, in which we can see the difference between ratio of positive and negative scores. I can find slightly difference between Iphone 8 and Iphone X , we can nearly naglect it. So I think most of people's attitude are positive for both of them.

Mapping for geolocation of twitter with location data.



Conlusion

I mapped out all the location I got from the twitter. In the map, we can find most of plots are in the USA and Europe, which means most of the user of twitter who comment on Apple new products are located in this two places.

