Fig 1: this shows the relationship between the followers and their likes which shows half of the followers on the MDA account followers are interested in the tweets of the MDA.

Some of the things we also noticed:

The top five accounts that retweeted most of the MDA’S tweets are:

|  |  |  |
| --- | --- | --- |
| Username | Count of Retweets | Description |
| sgyemikale | 2262 | Dr Yemi kale (Statistician  General of the Federation) retweets not for endorsement |
| NGRSenate | 2130 | The Nigeria Senate (Official Twitter Account of the Senate of the Federal Republic of Nigeria.) |
| DrJoeAbah | 592 | Dr JoeAbah, Public Service Reforms, (retweet to encourage debate) |
| AsoRock | 502 | Government of Nigeria (just for updates) |

We also noticed that thee highest retweet was” RT @TheEllenShow: If only Bradley's arm was longer. Best photo ever. #oscars <http://t.co/C9U5NOtGap>” which was from the user MDCUOIT (The UOIT Management Development Centre is part of the Faculty of Business and IT at.) which was also one of the highest positive sentiment.

Another thing we looked at is those with the lowest retweet are:

* MDCUOIT
* nbcgovng
* NERCNG
* nipcng
* ndlea\_nigeria

they also had the lowest sentiment which shows the sentiment analysis does make sense.

Other Insights can be seen on the Notebook

Note: This is just an additional information

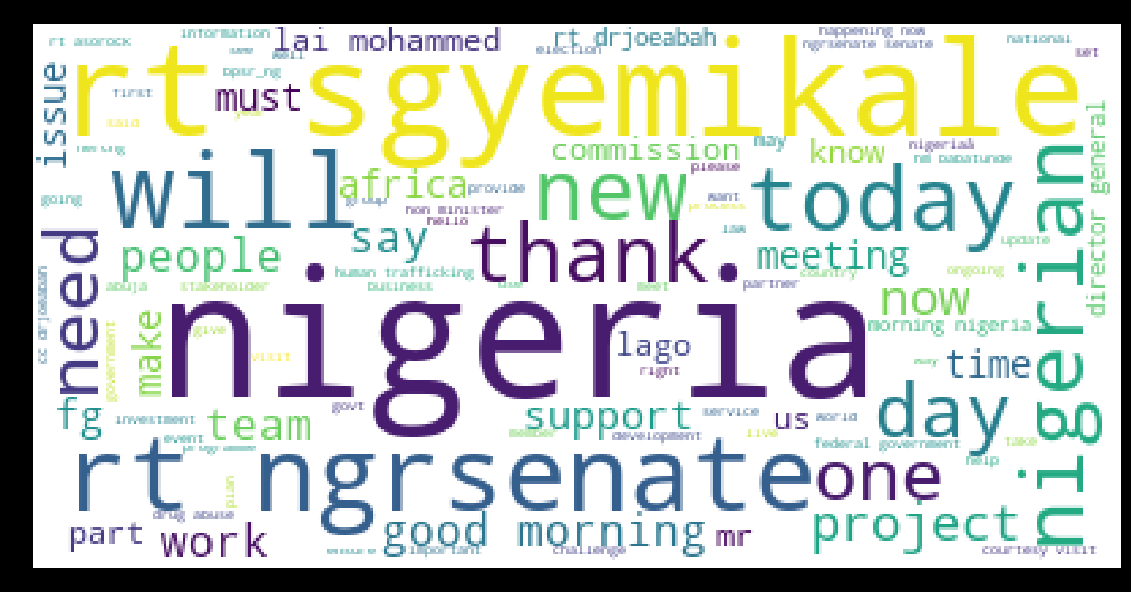


Fig 2: word cloud of the text columns in the data.

| **word\_count** | **char\_count** | **avg\_word** | **stopwords** | **hastags** | **numerics** | **upper** | **sentiment** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **word\_count** | 1.000000 | 0.914949 | -0.514856 | 0.833874 | 0.040356 | 0.137213 | 0.178859 | 0.015970 |
| **char\_count** | 0.914949 | 1.000000 | -0.309017 | 0.664705 | 0.126553 | 0.100112 | 0.182972 | -0.012056 |
| **avg\_word** | -0.514856 | -0.309017 | 1.000000 | -0.486709 | 0.039138 | -0.113177 | -0.120328 | -0.077272 |
| **stopwords** | 0.833874 | 0.664705 | -0.486709 | 1.000000 | -0.028243 | 0.013060 | -0.049501 | 0.041362 |
| **hastags** | 0.040356 | 0.126553 | 0.039138 | -0.028243 | 1.000000 | -0.032963 | 0.052342 | 0.015767 |
| **numerics** | 0.137213 | 0.100112 | -0.113177 | 0.013060 | -0.032963 | 1.000000 | 0.099396 | -0.043715 |
| **upper** | 0.178859 | 0.182972 | -0.120328 | -0.049501 | 0.052342 | 0.099396 | 1.000000 | -0.030404 |
| **sentiment** | 0.015970 | -0.012056 | -0.077272 | 0.041362 | 0.015767 | -0.043715 | -0.030404 | 1.000000 |

Fig 3: correlation between the columns