### **Youtube Sentiment Analysis**

Installing text blob library

**9** jt2OHQh0HoQ

#### Finding sentiment polarity of whole dataset

#### Adding polarity to the Dataset

|   | video_id    | comment_text                                   | likes | replies | Polarity  |
|---|-------------|--|-------|---------|-----------|
| 0 | jt2OHQh0HoQ | It's more accurate to call it the M+ (1000) be | 0     | 0       | 0.450000  |
| 1 | jt2OHQh0HoQ | To be there with a samsung phone∖n⊜⊜⊜          | 1     | 0       | 0.000000  |
| 2 | jt2OHQh0HoQ | Thank gosh, a place I can watch it without hav | 0     | 0       | 0.000000  |
| 3 | jt2OHQh0HoQ | What happened to the home button on the iPhone | 0     | 0       | 0.000000  |
| 4 | jt2OHQh0HoQ | Power is the disease. Care is the cure. Keep   | 0     | 0       | 1.000000  |
| 5 | jt2OHQh0HoQ | Keep calm and buy iphone 8 Keep calm and buy i | 0     | 0       | 0.300000  |
| 6 | jt2OHQh0HoQ | i am a big fan of youtube and u !!!!!!!!!!!    | 0     | 0       | 0.000000  |
| 7 | jt2OHQh0HoQ | You will never find Losers who line up and pay | 0     | 0       | -0.100000 |
| 8 | jt2OHQh0HoQ | *APPLE JUST COMMENTED ON MY LAST VIDEO* I'm cr | 0     | 0       | 0.028571  |
| 8 | jt2OHQh0HoQ | *APPLE JUST COMMENTED ON MY LAST VIDEO* I'm cr | 0     | 0       | 0.02857   |

I'm only here to see Emma, I love her so much!..

### Creating a Filter to find positive polarity And perform EDA.

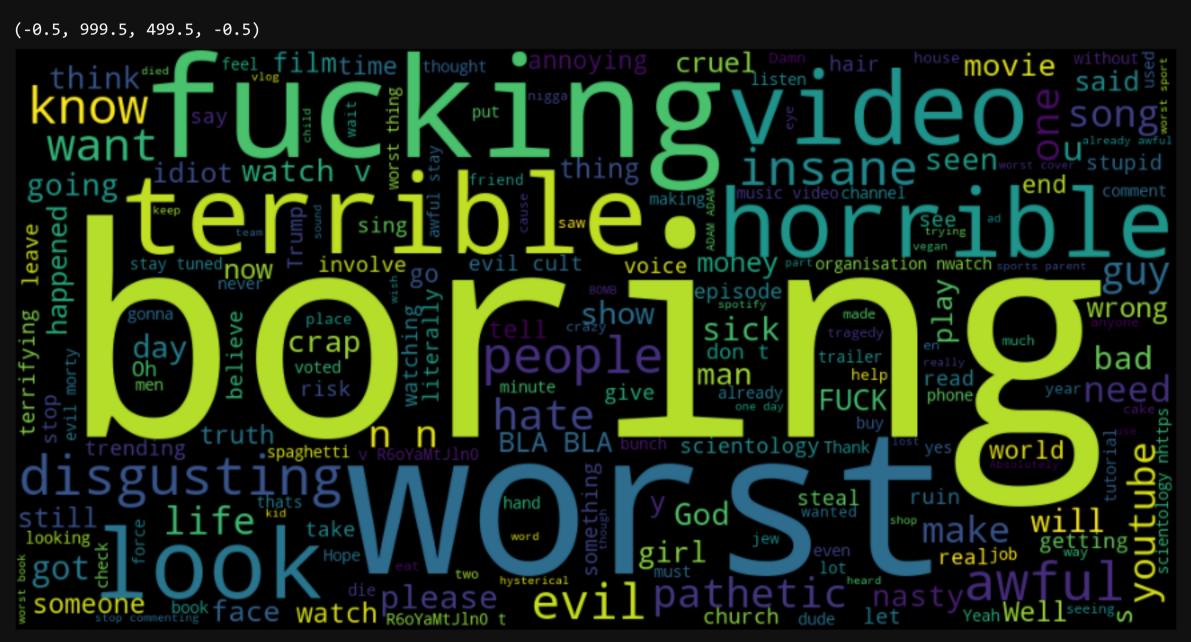
0 0.500000

|     | video_id    | comment_text                                   | likes | replies | Polarity |
|-----|-------------|--|-------|---------|----------|
| 4   | jt2OHQh0HoQ | Power is the disease. Care is the cure. Keep   | 0     | 0       | 1.0      |
| 26  | jt2OHQh0HoQ | The best thing to ever happen to iPhone        | 0     | 2       | 1.0      |
| 80  | jt2OHQh0HoQ | Apple is always awesome \n\nhttps://youtu.be/r | 0     | 1       | 1.0      |
| 158 | YPVcg45W0z4 | das a lot of edditing you have done there      | 0     | 0       | 1.0      |
| 175 | YPVcg45W0z4 | Welcome to the Scandiworld!                    | 0     | 0       | 1.0      |
| 202 | T_PuZBdT2iM | Power is the disease. Care is the cure. Keep   | 0     | 0       | 1.0      |
| 206 | T_PuZBdT2iM | WHY DO I KEEP FREAKING LAUGHING EACH TIME I WA | 0     | 0       | 1.0      |
| 237 | T_PuZBdT2iM | LIKE = MEET CELEBRITY \nSUBSCRIBE = BECOME A B | 0     | 0       | 1.0      |
| 243 | T_PuZBdT2iM | the sonic air timer was perfect                | 0     | 0       | 1.0      |
| 283 | T_PuZBdT2iM | no 16 on trending impressive                   | 1     | 0       | 1.0      |
| 306 | NsjsmgmbCfc | My daughters name is lacey <3                  | 0     | 0       | 1.0      |
| 332 | NsjsmgmbCfc | I'm 17 and can proudly say Moon Dreamers was o | 0     | 0       | 1.0      |
| 607 | LcZ2AuvxXNA | if I could subscribe to Dude Perfect a million | 1     | 0       | 1.0      |
| 609 | LcZ2AuvxXNA | You guys should make dude perfect sceets       | 0     | 0       | 1.0      |
| 644 | LcZ2AuvxXNA | To be a dude perfect member it is so awesome   | 0     | 0       | 1.0      |
| 649 | LcZ2AuvxXNA | Dude Perfect should do a collab with the slo m | 0     | 0       | 1.0      |
| 658 | LcZ2AuvxXNA | the cody trust stort is excellent              | 0     | 0       | 1.0      |
| 676 | LcZ2AuvxXNA | awesome  | 0     | 0       | 1.0      |
| 715 | lamseWekh8Y | your tummy!!!!! I'm in love!!!!! xxxxx         | 0     | 0       | 1.0      |
| 726 | lamseWekh8Y | A lot of youtubers don't vlog anymore if it is | 0     | 0       | 1.0      |

### Generating a WordCloud of Positive Commets

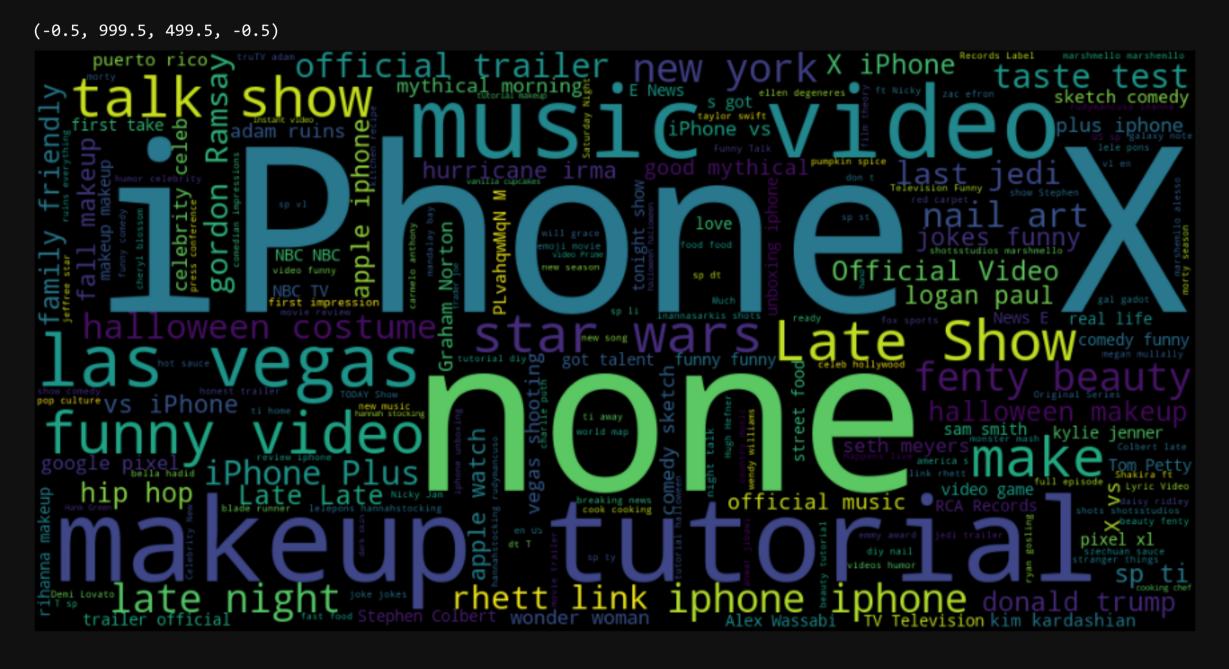


### Generating the wordcloud for negative sentences

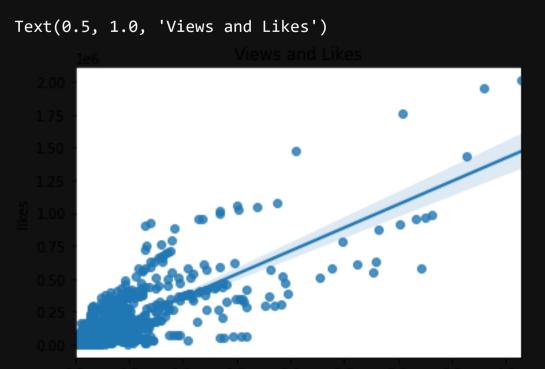


# Analyzing tags , columns trending on youtube

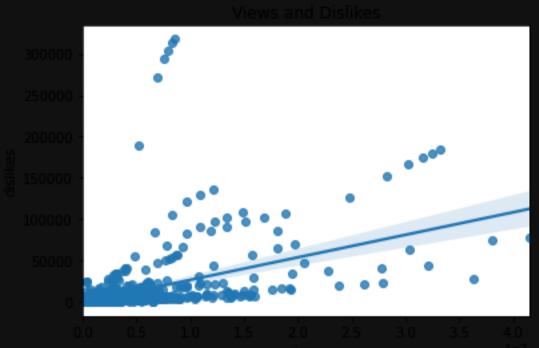
# Word cloud of Trending tags



# Views, Likes and Dislikes analysis



### Text(0.5, 1.0, 'Views and Dislikes')



|          | views    | likes    | dislikes |
|----------|----------|----------|----------|
| views    | 1.000000 | 0.832844 | 0.541955 |
| likes    | 0.832844 | 1.000000 | 0.497439 |
| dislikes | 0.541955 | 0.497439 | 1.000000 |

# **HeatMap of Correlation**

