

TASK #1: UNDERSTAND THE PROBLEM STATEMENT AND BUSINESS CASE

- Natural language processors (NLP) work by converting words (text) into numbers.
- These numbers are then used to train an AI/ML model to make predictions.
- Predictions could be sentiment inferred from social media posts and product reviews.
- AI/ML-based sentiment analysis is crucial for companies to automatically predict whether their customers are happy or not.
- The process could be done automatically without having humans manually review thousands of tweets and customer reviews.
- In this case study, we will analyze thousands of Twitter tweets to predict people's sentiment.

TWEET

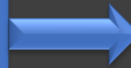


"Good morning everyone! Such a beautiful sunny day!"

"Don't fly on xx airline, their customer service is horrendous"



SENTIMENT
ANALYSIS
(NLP MODEL)



SENTIMENT

POSITIVE (LABEL = 0)

NEGATIVE (LABEL = 1)

INSTRUCTOR

- Adjunct professor & online instructor
- Passionate about artificial intelligence, machine learning, and electric vehicles
- Taught 100,000+ students globally
- MBA (2018), Ph.D. (2014), M.A.Sc (2011)



Ryan Ahmed, Ph.D.

data source: <https://www.kaggle.com/arkhoshghalb/twitter-sentiment-analysis-hatred-speech>
(<https://www.kaggle.com/arkhoshghalb/twitter-sentiment-analysis-hatred-speech>)

TASK #2: IMPORT LIBRARIES AND DATASETS

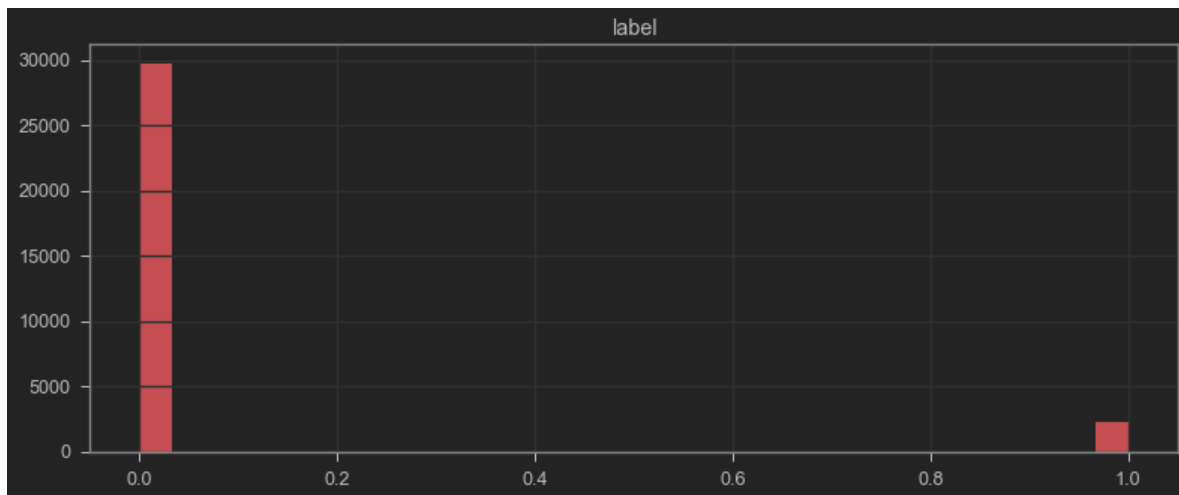
```
In [1]: import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
from jupyterthemes import jtplot
jtplot.style(theme='monokai', context='notebook', ticks=True, grid=False)
# setting the style of the notebook to be monokai theme
# this line of code is important to ensure that we are able to see the x and y axes clearly
# If you don't run this code line, you will notice that the xlabel and ylabel on any plot is black
on black and it will be hard to see them.
```

```
In [20]: # Load the data
tweets_df = pd.read_csv('twitter.csv')
```



```
In [31]: tweets_df.hist(bins = 30, figsize = (13,5), color = 'r')

array([[<matplotlib.axes._subplots.AxesSubplot object at 0x0000020EE2341A48>]],
      dtype=object)
```

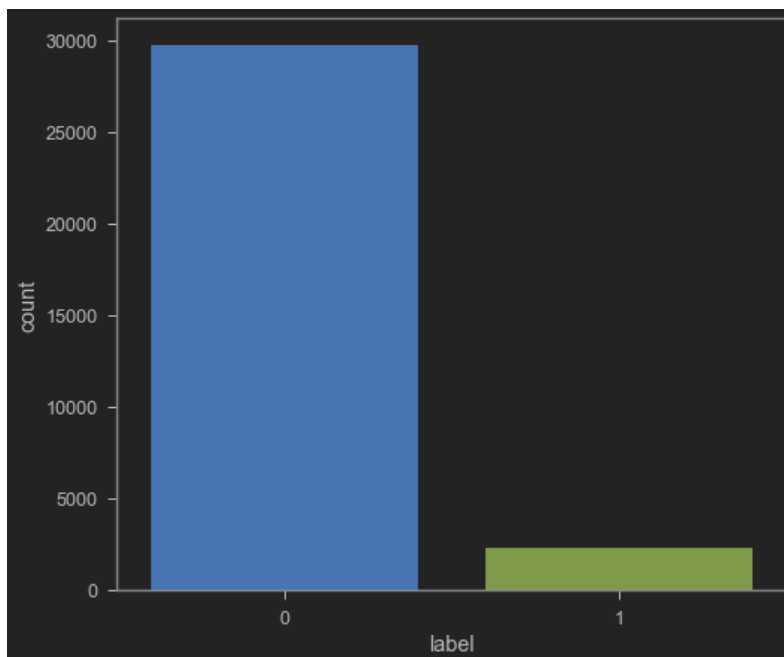


MINI CHALLENGE #2:

- Plot similar figure using seaborn countplot

```
In [33]: sns.countplot(tweets_df['label'], label = "count")

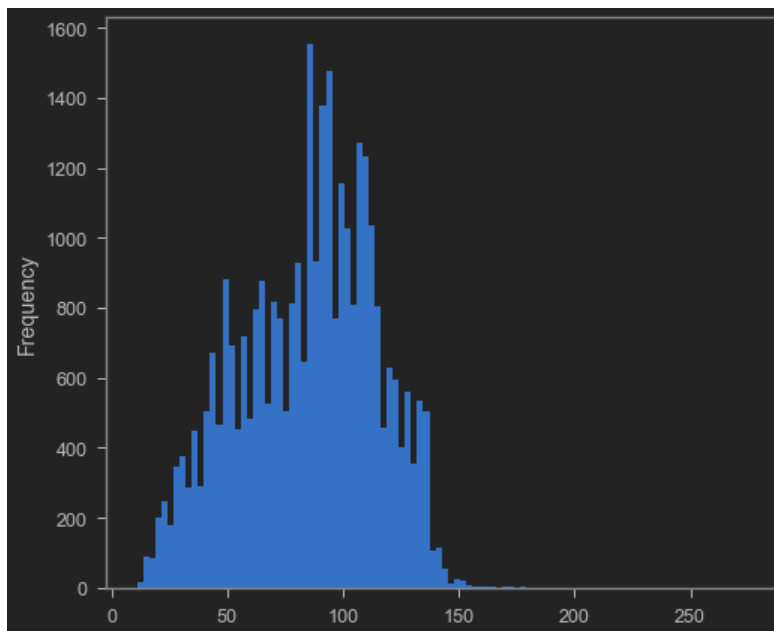
<matplotlib.axes._subplots.AxesSubplot at 0x20ee20fd048>
```



```
In [34]: # Let's get the length of the messages
tweets_df['length'] = tweets_df['tweet'].apply(len)
```

	label	tweet	length
0	0	@user when a father is dysfunctional and is s...	102
1	0	@user @user thanks for #lyft credit i can't us...	122
2	0	bihday your majesty	21
3	0	#model i love u take with u all the time in ...	86
4	0	factsguide: society now #motivation	39
...
31957	0	ate @user isz that youuu?δŸδŸδŸδŸδŸδŸδŸδ...	68
31958	0	to see nina turner on the airwaves trying to...	131
31959	0	listening to sad songs on a monday morning otw...	63
31960	1	@user #sikh #temple vandalised in in #calgary,...	67
31961	0	thank you @user for you follow	32

```
<matplotlib.axes._subplots.AxesSubplot at 0x20ee350db48>
```



	label	length
count	31962.000000	31962.000000
mean	0.070146	84.739628
std	0.255397	29.455749
min	0.000000	11.000000
25%	0.000000	63.000000
50%	0.000000	88.000000
75%	0.000000	108.000000
max	1.000000	274.000000

MINI CHALLENGE #3

- View the message with the average length

```
In [40]: positive = tweets_df[tweets_df['label']==0]
```

[illegible]

	label		tweet	length
13	1	@user #cnn calls #michigan middle school 'buil...	74	
14	1	no comment! in #australia #opkillingbay #se...	101	
17	1	retweet if you agree!	22	
23	1	@user @user lumpy says i am a . prove it lumpy.	47	
34	1	it's unbelievable that in the 21st century we'...	104	
...	
31934	1	lady banned from kentucky mall. @user #jcpenn...	59	
31946	1	@user omfg i'm offended! i'm a mailbox and i'...	82	
31947	1	@user @user you don't have the balls to hashta...	112	
31948	1	makes you ask yourself, who am i? then am i a...	87	
31960	1	@user #sikh #temple vandalised in in #calgary,...	67	

2242 rows x 3 columns

TASK #4: PLOT THE WORDCLOUD

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```
In [46]: sentences
```



```
[ ' @user when a father is dysfunctional and is so selfish he drags his kids into his dysfunction. #run',
"@user @user thanks for #lyft credit i can't use cause they don't offer wheelchair vans in pdx. #disapointed #getthankd",
' bñday your majesty',
'#model i love u take with u all the time in urð\x9f\x93±!!! ð\x9f\x98\x99ð\x9f\x98\x8eð\x9f\x91\x84ð\x9f\x91\x85ð\x9f\x92!ð\x9f\x92!ð\x9f\x92! ',
' factsguide: society now #motivation',
'[2/2] huge fan fare and big talking before they leave. chaos and pay disputes when they get there. #allshowandnogo ',
' @user camping tomorrow @user @user @user @user @user @user dannyâ\x80!',
"the next school year is the year for exams.ð\x9f\x98` can't think about that ð\x9f\x98\xad #school #exams #hate #imagine #actorslife #
revolutionschool #girl",
'we won!!! love the land!!! #allin #cavs #champions #cleveland #clevelandcavaliers â\x80! ',
"@user @user welcome here ! i'm it's so #gr8 ! ",
' â\x86\x9d #ireland consumer price index (mom) climbed from previous 0.2% to 0.5% in may #blog #silver #gold #forex',
'we are so selfish. #orlando #standwithorlando #pulseshooting #orlandoshooting #biggerproblems #selfish #heabreaking #values #love #',
'i get to see my daddy today!! #80days #gettingfed',
"@user #cnn calls #michigan middle school 'build the wall' chant ' ' #tcot ",
'no comment! in #australia #opkillingbay #seashepherd #helpcovedolphins #thecove #helpcovedolphins',
'ouch...junior is angryð\x9f\x98\x90#got7 #junior #yugyoem #omg ',
'i am thankful for having a paner. #thankful #positive ',
'retweet if you agree! ',
'its #friday! ð\x9f\x98\x80 smiles all around via ig user: @user #cookies make people ',
'as we all know, essential oils are not made of chemicals. ',
'#euro2016 people blaming ha for conceded goal was it fat rooney who gave away free kick knowing bale can hit them from there. ',
'sad little dude.. #badday #coneofshame #cats #pissed #funny #laughs ',
"product of the day: happy man #wine tool who's it's the #weekend? time to open up & drink up!",
'@user @user lumpy says i am a . prove it lumpy.',
' @user #gif #ff to my #gamedev #indiedev #indiegamedev #squad! @user @user @user @user @user',
'beautiful sign by vendor 80 for $45.00!! #upsideofflorida #shopalyssas #love ',
' @user all #smiles when #media is !! ð\x9f\x98\x9cð\x9f\x98\x88 #pressconference in #antalya #turkey ! sunday #throwback love! ð\x9f
\x98\x8að\x9f\x98\x98â\x9dñi.\x8f ',
'we had a great panel on the mediatization of the public service #ical6',
"happy father's day @user ð\x9f\x92\x93ð\x9f\x92\x93ð\x9f\x92\x93ð\x9f\x92\x93 ",
"50 people went to nightclub to have a good night and 1 man's actions means those people are lost to their families forever #rip#orland
o",
'i have never had a chance to vote for a presidential candidate i was excited about and this cycle looks to be no different. ',
' #alohafriday #time does #not #exist #positivevibes #hawaiian @user @user @user @user ',
' @user rip to the fellow nohern ireland fan who sadly passed away tonight!.. gawa, forever singing and cheering on fire ',
'it was a hard monday due to cloudy weather. disabling oxygen production for today. #goodnight #badmonday ',
"it's unbelievable that in the 21st century we'd need something like this. again. #neverump #xenophobia ",
'#taylorswift1989 bull up: you will dominate your bull and you will direct it whatever you want it to do. w ',
'morning~ #travelingram #dalat #ripinkylife ',
'@user once more only one word tells it all: #photoshop. #enoughisenough #dontphotoshopeverything #wheresallthenaturalphotos ',
'oh, #cedarpoint. waited 2 hours in the valrav line and it stopped working. we were so close. ',
'i am thankful for sunshine. #thankful #positive ',
"when you finally finish a book you've been working on for awhile... #bookworm #ontothenextnovel ",
'yup, being a knicks fan is hard, so its easier to just be an nba fan when the playoffs roll around ð\x9f\x98\x8e ',
'there is life after social networking. embrace each day. be ',
'my mom shares the same biñday as @user biñday snake! see you this weekend ð\x9f\x99\x8cð\x9f\x8f%',
'lovely echeveria blooms#flowers #grow #gardening #iphonesia #bloss #blooms #basilicabotanica ',
'i am amazing. #i_am #positive #affirmation ',
'#model i love u take with u all the time in urð\x9f\x93±!!! ð\x9f\x98\x99ð\x9f\x98\x8eð\x9f\x91\x84ð\x9f\x91\x85ð\x9f\x92!ð\x9f\x92!ð
\x9f\x92! ',
'#whenever im and #something goes #wrong | ',
'feeling blue #illustration ',
'the best pa about life is knowing who you are! ð\x9f\x98\x8aâ\x98\x80i.\x8fð\x9f\x8cð\x9f\x8c» â\x80! ',
'#abc2020 getting ready 2 remove the victums frm #pulseclub #prayfororlando ',
'for her #biñday we got her a #nose #job @user ð\x9f\x8e\x88ð\x9f\x90#ð\x9f\x8e\x89ð\x9f\x8e\x82ð\x9f\x8e\x81 #biñday #petunia we lov
e you ð\x9f\x99\x83 ',
'off to concelebrate at the #albanpilgrimage for the first time. @user',
' @user let the scum-baggery begin.... ',
'thank you! ð\x9f\x98\x8dð\x9f\x98\x86 super love it! â\x9dñi.\x8f zpamelacruz #wedding# @ dolores, capas tarlac. ',
'a scourge on those playing baroque pieces on piano beyond belief ',
'@user lets fight against #love #peace ',
' happy fatherâ\x80\x99s day, mr. rayos #video #fathers #day #rayos #world #hotvideo #videos',
' @user ascot times with this babe â\x9dñi.\x8fâ\x9dñi.\x8f #ascot #fashion #monochrome #style #instahappyday ',
'the weekend..is here!!ð\x9f\x99\x8cð\x9f\x98\x89ð\x9f\x98\x98ð\x9f\x92\x99ð\x9f\x98\x8a #selfie #yolo #xoxo #like4like ',
"happy at work conference: right' mindset leads to culture-of-development organizations #work #mindset",
'christina grimmie's last performance before being shot... via @user #christinarip #voice #christinagrimmie ',
'we are ready to dance #roar #preschoolers #students #proudâ\x80! ',
"you've really hu my feelings :( ",
"@user my wife whom i adore had to miss your poland show because she had surgery. her name is bridget & she's my everything. ",
'@user i am so jealous of you right now.... #chatiado ',
'i celebrate every man that has played it's fatherly role. father's day#",
"i'm sure they are just as happy.... ð\x9f\x91\x8fð\x9f\x8fð\x9f\x91\x8fð\x9f\x8fð\x9f\x91\x8fð\x9f\x8f% hour ",
"ð\x9f\x98@the white establishment can't have blk folx running around loving themselves and promoting our greatness ",
'good morning! the journey begins! ð\x9f\x98\x84ð\x9f\x91\x8dð\x9f\x8fð\x9f\x9b³ #travel #yeah #thejourneybegins #helloâ\x80! ',
```

localhost:8888/nbconvert/html/Twitter Sentiment Analysis.ipynb?download=false

'happy bihday chris evansð\x9f\x8e\x87ð\x9f\x8e\x89ð\x9f\x8e\x8að\x9f\x8e\x81ð\x9f\x8e\x82ð\x9f\x8e\x86ð\x9f\x8e\x88 a great actor and hu
man ð\x9f\x98\x81ð\x9f\x98\x8dð\x9f\x98³ð\x9f\x98\x98ð\x9f\x98»ð\x9f\x98,ð\x9f\x92\x9cð\x9f\x92\x93ð\x9f\x92\x9e #chrisevans #bihdayâ\x8
0',
'our heas, thoughts, prayers go out to the more than 50 people who were murdered @ a gay nightclub in #florida ',
' @user demoing guitars for new album #newalbum #indie #guitars #echobelly ',
'retweeted lion pro @user #tgif #webmareting #seo #community #management #weekend... ',
' â\x86\x9d #nzd/usd: targets the 100 week sma at 0.7190 #blog #silver #gold #forex',
" @user i've had pretty bad bihday weeks before, but so far this is the worst ever. ð\x9f\x98\x92 #bihdayweeksucks #bithday27 #tâ\x80
'",
"so blessed to have worked with sa's best leading ladiesð\x9f\x98\x84ð\x9f\x98\x84 ",
'happiest place on eah ð\x9f\x92« #disneymagickingdom #disney #magickingdom #disneyland #orlandoâ\x80',
'is kinda to be among humans again.',
"just found out @user is at @user after i'd been exclaiming to @user how gr8 blain's hair was the other nite. ð\x9f\x98\xad",
'@user <3 listen to my most beautiful best friend @user singing with her most amazing voice <3 <3 <3 <3 17 ',
'be n #healthy freedom from effo in the present merely means that there has been effo stored up in the past. â\x80\x93 theodore rooseve
ltâ\x80',
'when you know yall 2 aint going know where :) #love #commitment #trust #faithful ',
"yes it's when you call #michelleobama a gorilla because racists have long thought of black people as no betâ\x80',
'#newarkfestival this is us all this year waiting for the show to sta our 3rd year running ',
"when the internet is broken so you can't watch netflix. #mochithepug #puglife ",
'@user @user @user and she will do just that...then what..business as usual. ',
'hbd to this dick suckin tequila lovin slut, i wouldnt want u any other way ð\x9f\x92\x95ð\x9f\x98\x98 #justalillate #butstillontime ',
'as the smaller hands show, barry probably lied about being why his #knicks game sucked more than his #golfa\x80',
'good morning friday! what is everyone doing this weekend? #goodmorning #friday #girls #love #florida ',
" challenges #aap's claim that 70% #punjabis are #drugaddicts, dares it to prove ",
'#tracerequest sending my deepest condolences to the orlando gay families. zimbabwe gay community has you at hea #touched',
'new selfie \\Ã.Ã/ #guy #mato #chapones ',
'saturday afternoon chi meet up #friends @user @user @user ',
'#model i love u take with u all the time in urð\x9f\x93±!!! ð\x9f\x98\x99ð\x9f\x98\x8eð\x9f\x91\x84ð\x9f\x91\x85ð\x9f\x92ð\x9f\x92ð
\x9f\x92',
'soed out all my nut & bolts. #bloke',
"aww yeah it's all good bing bong bing bong ",
'just dawned on me in 2 months i will be seeing @user live. i am so excited ð\x9f\x98\x8dð\x9f\x98\x8dð\x9f\x98\x8d #vfest #summer ',
' @user happy 35th bihday shane robe watson!! #bihday #shane #watson #australia #cricker ',
'@user @user you point one finger @user millions are pointed right back at you, #jewishsupremacist',
'sad to hear the announcers say that "it may have moved the player to one or two out of the lead" #whoknows! ',
"#radiol i'm going to #coldplay tonight oh yes.",
'u think like this too? the god who is not coming through for me. the god who is not keeping me . ',
'@user terrorist = constitutional rights? this is just another excuse by republicans to appease the nra with no gun control measures.
!',
" @user it's all about @user #gloucesterrugby ",
' @user very sad, @user what happened? ',
'everyone is everything #sad #together #alone #up #down #fine #dandy #lonely #exuberant #depressed #halffull #halfempty',
'#mikeashley #sposdirectshame, perhapse a good example of the need to protect #workersrights from within europe. #euref #remain',
'angry birds stella bad princess #birds #stella #bad #princess birdsstellabadprincess. time post: wedâ\x80',
'check @user incredibly to have made great memories with great people , we did an ...',
'saw a t shi last night that said "rip to when i cared" #really',
" @user hilarious, @user i'm already blocked by @user for asking one, not paicularly difficult, question. @user",
'devastating news. my hea goes out to the victims and their families. #orlando #heabreaking ',
'#happiness is not a state to arrive at, but a manner of traveling." margaret lee #runbeck #happiness #quotes #inspirational',
'safe ways to heal your #acne!! #altwaystoheal #healthy #healing!! ',
'what i am creating right now. #beats #makingbeats #thursday #work #istandard #akaiproâ\x80',
'wedding number 10! ð\x9f\x98\x9cð\x9f\x98\x9cð\x9f\x92\x96ð\x9f\x92\x96ð\x9f\x92\x90ð\x9f\x8dð\x9f\x8d% #wedding #weddingpay #love
#forever #weddingdressâ\x80',
"we're looking forward to attending the cipd ireland conference & workshop #cpd #onemoreday @user @user",
'finally reached 200 followers on #twitch. follower hypu #stream tomorrow! â\x9d',
"words r free, it's how u use em that can cost you! #verbal #abuse #hu #love #adult #teen @user ",
'after what our country went through this last year to see people bring a "bomb" to the stadium & come here for everything but footba
ll ',
'i am thankful for cats. #thankful #positive ',
'time to eat with my bae swalscha ð\x9f\x98\x8dâ\x9c"ð\x9f\x98\x8b #dejeuner #lunch #happiness #love #amoureuxâ\x80',
'ilovethesecret #lawofattraction #quiz #love #happiness #motivation #success #joy #lifeâ\x80',
'you might be a libtard if... #libtard #sjw #liberal #politics ',
'it's about to go down... #pole #bgp #rozthediva #blackgirlspole #bodyandpole #live #love â\x80',
'#argentina2015 attack bull game 3d: do you really think that his head was empty around the city. each side ',
'what a self-serving hypocrite! always keep your eye on the bouncing ball with this nimrod president. ',
'#nohcarolina bull up: you will dominate your bull and you will direct it whatever you want it to do. whe ',
'#building polar bear climb racing: angry polar bear climb racing, the polar bear living in cold places loo ',
'@user @user if they want reelection money. #ksleg ',
'my hea is with #orlando right now. i truly cannot imagine. could have easily happened anywhere. :(',
'alreemgroup #aly_alshahawy #ad #cute #summer #photographerdubai #sun #hair #mydubaiâ\x80',
'it seems like the only place with action here is montreal :(',
' @user that, and you are old and washed up! ',
'i am spirited. #i_am #positive #affirmation ',
'i am thankful for enteainment. #thankful #positive ',
'@user @user @user this shows truly how bad brisbane are ',

"@user can't wait for #wimbledon2016 ",
 'happy man!!! #success #model #entrepreneur #speaker #fff #fresh #confident #fashionà\x80!',
 '#gala moments ... #day #kid #bipolar #frikiegirl2016 @ the lucky chinatown mall, binondo,à\x80!',
 "this really takes the piss. i'm so angry. just goes to show who is valued and who isn't. you complete and utter moron. ",
 '@user take out the #trash america... - i voted against #hate - i voted against - i voted against - i votà\x80!',
 ' fathers day to all the #amazing #dads out there that give up so much for their families! #enjoy your... ',
 'does #magnettherapy really work? #altwaystoheal #healing #healthy !! ',
 'sebbo has said it all! @user ',
 'ð\x9f\x98\x81ð\x9f\x98\x81ð\x9f\x98\x81à\x9dñi.\x8f egà\x80\x9ci%\x9fi%\x9fi%\x9f smile!!!!à\x9dñi.\x8fð\x9f\x97fð\x9f\x98ð\x9f\x98f% à\x83» #smile#egsmile #torio ',
 '@user brilliant service at your lettering branch today customer',
 '@user will be here for a screening. i will miss it. so i will sing all the songs from potp and shock treatment, because i can. ',
 'on the way toraya #bus #alamindah #white #music #carrieunderwood ',
 '#model i love u take with u all the time in urð\x9f\x93±!!! ð\x9f\x98\x99ð\x9f\x98\x8eð\x9f\x91\x84ð\x9f\x91\x85ð\x9f\x92ð\x9f\x92ð\x9f\x92',
 'good day - 6 new beers at bridpo food & beer fest. back at the campsite drunk the @user starstruck & moved on to @user #5. ',
 'g o a l s ð\x9f\x92\x99 repost from @user #propey #ocean #summer #life #family @ sydneyà\x80!',
 "i want to teach you love like you've never felt it before. #quote #quotes #love #pakistan #allin216 #girls #boys #fashion #feelings",
 'i am thankful for now. #thankful #positive ',
 "omg just 100 days left!! #countdown #nolefam @user can't wait for him to come to milan! #22092016 ð\x9f\x98\x8dð\x9f\x94\x9c ",
 ' @user stone roses done. now time for @user in a d club. days',
 '"there's a reason why two people stay together, they give each other something nobody else can." hopelly greets day ',
 'you never know who might have a crush on you! #wakow #buzz #moment #ride #love #crush #dating #hookup #app ',
 'my friend just got engaged ð\x9f\x91ðà\x80\x8dà\x9dñi.\x8fà\x80\x8dð\x9f\x92\x8bà\x80\x8dð\x9f\x910',
 '298 days lef b4 end of classez yay #risay18 #risaypls',
 ' #thursday ð\x9f\x98\x8a may we watch how we say what needs to be be saidà\x80!',
 'i am legendary. #i_am #positive #affirmation ',
 "to the united states of america, from the rest of the world: i think you've proven you don't have the right to own firearms. ",
 "if you hold open a door for a woman because she's a woman and not because it's a nice thing to do, that's . don't even try to deny it",
 'when your having a good weekend and it shows :) #thankful #blessed // #jeffreycwilliams ð\x9f\x92\x8eà\x80!',
 'when you have a good hea and help everyone you always seem to be the one who gets hu #buttrue',
 'the happiest baby ive ever knownð\x9f\x92\x93 #cute #smiles #babygirl #beautiful #niece #blessed #xo ',
 'are you ready for #t.b.c ? #oneteamlincoln are... ð\x9f\x98\x8d @user @user @user @user ',
 "can't wait for carowinds! ready to see @user and @user time to #rockthepark #timetogetmyjesuson",
 'already bought my finding dory ticket ',
 'for every minute you are you lose sixty seconds of #happiness - and you should do the same ð\x9f\x98',
 '#sanjapan #animeconvention see you guys in september! ',
 'question of the day: excited for motoà\x80\x99sà\x80! #tech #announcements #moto_s #question ',
 'make today count! #mondaymotivation #lifelife to the fullest #healthy #everydaycounts ',
 'happy morning 8degree with anna #classmate #friends @ 92à\x80!',
 '@user would u be able to suppo our event #brentwood #homesta they lost funding and may have to close ',
 'we are happy little peoples ð\x9f\x98\x8a happyhappy people #kitten #cat #blackkittenà\x80!',
 '@user @user @user thank you very much for this oppounity will cherish it forever ð\x9f\x87zð\x9f\x87ð\x9f\x8d ð\x9f\x8f\x89ð\x9f\x92ð\x9f\x8f»ð\x9f\x91\x8dð\x9f\x8f%',
 'ð\x9f\x93. themeowood: puppy ',
 'few more days till who is ? ð\x9f\x98\x8d ',
 '"happy" by pharrell williams #pharrellwilliams lyrics à\x86',
 ' @user happy at w.ork conference: right mindset leads to culture-of-development organizations #workà\x80!',
 'we lost another member of our family yesterday:-(#guttled #rosie ',
 'yayyy... trailer 2morrow #fever super @user @user @user',
 'watch fancy tails's vine "mad #mad #teeth #bite #pissed #dog #biting #dogbite #dogtreat ',
 '#dreamcatcher bull up: you will dominate your bull and you will direct it whatever you want it to do. when ',
 "i'm so ready for tomorrow ð\x9f\x91\x93ð\x9f\x93\x9að\x9f\x93\x9að\x9f\x93\x9að\x9f\x93\x96ð\x9f\x93\x91#englishteacher #teacher #ecuador",
 'in memory of my wonderful dad, always missed, eternally loved. #strong #greatquotesà\x80!',
 ' @user @user on dallas shooting "the video you're about to see is disturbing, so viewer discretion" then they play it in a loop oveà\x80!',
 "#itako#alone#it's fine. a little. ",
 'sunshine & stickers kind of saturday ð\x9f\x91.ð\x9f\x8f% #letthembelittle #childhoodunplugged ',
 'had a wonderful day today à\x98\x80i.\x8f #calm #sunny #chubbygirl #glasses #finnishgirl #finn ',
 'buka bersama tma family... #yuhuuuu #tmaà\x80! (w/ risha, meylucky, & 3 others at mayfair townhouse) [pic] à\x80\x94 ',
 'he loves you more than you know.ð\x9f\x98\x8að\x9f\x92\x96 #nationalbestfriendsday #true ',
 '@user this man ran for governor of ny, the state with the biggest african-american population #à\x80!',
 '#stereotyping #prejudice offer no #hope or solutions but create the same old repetitive #hate #conflictà\x80!',
 'who can get the pussy quicker these days ð\x9f\x98\x94',
 "i'll probably be 30 by the time @user comes back home #ugh",
 '#model i love u take with u all the time in urð\x9f\x93±!!! ð\x9f\x98\x99ð\x9f\x98\x8eð\x9f\x91\x84ð\x9f\x91\x85ð\x9f\x92ð\x9f\x92ð\x9f\x92',
 '@user anyone playing voez? kinda in love with this game ð\x9f\x98\x98ð\x9f\x98\x98ð\x9f\x98\x98 #game #gaming #girlgamer #voez ',
 'how many#pols passed by how many times and said nothing? #bluelivesmatter #draintheswamp #ferguson ',
 'sequoia is about the #weekend! ',
 'some bitches care more about their eyebrows then how much \$\$\$ they makin at the end of the week ',
 'bham is pride paradeready#beyou# #ofbham @user @user @user ',
 ' #fathersday to all the guys who play dad out there we #love you ð\x9f\x92\x95 ',
 '#æ\x9c'â\x9dà\x89\x910616ç\x94\x9fæ\x97âz«â¹\x90 bihday to my bogummy!!!!love you forever!hope you happy everyday!good night!ð\x9f\x92\x95@user ',

localhost:8888/nbconvert/html/Twitter Sentiment Analysis.ipynb?download=false

"happy father's day 2016 to my dad and all of the dad's out there!! #fathersday #2016 ",
 " @user theverdict is in; i'm an idiot #country #rock #bluegrass #beatles #love #pop #romance ",
 ' â\x86\x9d #projects of the week, june 13, 2016 #blog #silver #gold #forex',
 ' @user #30dayshappy @user #dayseventyseven #day77 #happiness #love#lifequotes #lifeâ\x80',
 'my little brother has a higher tolerance of alcohol than me! lol',
 'wishing this guy a #bihday !! blaze says @user is the spitting image of aâ\x80',
 'i am thankful for hiking trails. #thankful #positive ',
 "all pay meeting to tackle a movie which uncovers a problem we don't want the world to know. ",
 ' @user chill relaxing piano music to keep your pet #quiet and during #july4th #fireworks â\x80',
 'you might be a libtard if... #libtard #sjw #liberal #politics ',
 "@user nothing says 'merica, like that @user tweet. ",
 'always be #paratyphoid ',
 ' @user "today i lost a #thevoice sister senselessly - we sing for love not death people." #stopthehate #ripchristina ',
 'some guys too concerned about their twitter "brand" to be honest with their followers. ',
 "i hate like 90% of my family.... i was really born into a big ass toxic bomb! mother fuckers don't give a fuck about me cuz i got money",
 'get #up get get #enjoy #music #today #free #apps #free #music ',
 'best #lawofattraction #resources for #healing! #altwaystoheal #healthy is ! #idwp ! ',
 'trump ny co-chair makes racist remarks about michelle obama #p2 #p21 #fyi #tcot',
 'are you a @user fan? this should make you ',
 '#music as #therapy as a tool for #healing! #altwaystoheal #healthy is !! ',
 'how can food make a family fight mxm ',
 'delicious sangria#salud#cheers #smile @ the pub pembroke ',
 'have a fabulous weekend beautiful souls #nofilter ð\x9f\x98\x98 ',
 "when i'm feeling #overwhelmed and i look down and see a million reasons to be #happy again. i love you craig!! ",
 'back to the day job for shane lowry! ',
 ' hour right now! 2-4-1 bottles & drinks from 4-7pm @user 42 w. chippewa st. #buffalo ',
 'anas + nimra + farishta + mawia + khushal 960 + 952 + 503 + 484 + 435 = 3334 the number of marks obtained is too damn high :p',
 'my monday is so empty without the bachelorette ð\x9f\x980ð\x9f\x98c'ð\x9f\x98d. #thebachelorette #empty #nowine',
 "suppoing family, god, chivalry, tradition, and pride in one's heritage is now controversial. ",
 '@user the pic says otherwise for young girls confined in that kitchen. you are void of meaning, beyond cheap publicity #topoli ',
 '#good night! ?? #faith ever #vaitacacommafiasdv',
 'do what you love to do simply for the love of it. #love #success #work #businessâ\x80',
 'lunchtime with mom. #torrington #lunch #afterschool #instadaily #yummy #withmom @user ',
 " @user my sister ain't even know i was watching her argue with the nigga ð\x9f\x98\x82ð\x9f\x98\x82ð\x9f\x98\x82 was waiting for him too say the wrong shit ",
 'ride out, ride back ...done! #cycling #sunset #ride #bikes #fitness #cardio #deseâ\x80',
 'well i was gonna go see adtr with bae... ',
 ' @user #tagsforlikes #me #food#friends#summer#swag#quotes #love#god#girl #weekend #polaroid #followme #teen #win#job ',
 '#payintheusa polar bear climb racing: angry polar bear climb racing, the polar bear living in cold place ',
 '11:11 healthy fam',
 'dream palace, can we move in already? #stellar #girls #dreamy #goodmorning daysâ\x80',
 'im waiting for a follow since the x factor ',
 "@user but it's your fault you have to use it to pointscore. ",
 " @user this week staed off kinda lame but it's getting better! #yay #wednesdaywisdom",
 " @user #forever @user young man he luks too hot wen he is in temper i'll b alwys ur fan till my lst breathâ\x98° hâ\x80",
 "don't worry #bee ",
 'double tap and follow me #beautiful #smooth #lifestyle #skin #instasize #f4f #fashion â\x80',
 '#lawofattraction for #healing #loa be #healthy #well #idwp ! ',
 ' â\x86\x9d #oil turns flat to \$50.40, eyeing eia inventory data for fuher direction #blog #silver #gold #forex',
 "training in new employee's is fun. #newblood ",
 ' #first #bihday to our #puppy #eloise #sweetbabins #dog #growingup #cute #bihdaygirl @user ',
 ' @user - 5,000 pigs burn alive in saskatchewan barn fire (video) ',
 " @user you'll never convince me that americans have the right to bear these. #prayfororlando #guncontrol ",
 'with my beautiful ladies!!! is a blessing to know them !lô\x8c-ô\x8c-. #smile #lovethemâ\x80',
 'today baba siddique ifftar pay at mumbai. @user & @user dono ayenge. to see both again',
 ' hands | #ombre #blue ',
 " @user i can't wait to go see warcraft, ugh ð\x9f\x98\xadð\x9f\x98\xadð\x9f\x98\xad #warcraft",
 'cousins reunited... #family#fun@user wellness ',
 "at @user for 'an audience with duane henry ' ...should be very insightful ",
 "my train hasn't moved so i'm binge tweeting ",
 'have my lover stop being angry at me visit us.>>> #lover #friend #astrologer #love ',
 "@user when you're blocked by a troll because you promise to #blacklivesmatter & let his nonsensical rants boosâ\x80",
 " father's day to all the dads here and the one's that are in heaven ",
 '#sdl326am @user june 16 @user',
 'how creepy awesome are these baboons climbing the fire escape like humans on @user #summev #zoo ',
 'use the power of your mind to #heal your body! #altwaystoheal #healthy is !! ',
 "dude i'm a tiger! #roar #tiger #annaswelshzoo #bihdaycelebrations ",
 " @user we don't #laugh because we're happy... we're because we laugh. - william james. #xtra",
 'have a happy sunday everyone! i think today is going to be a good day :) #positivevibes #sunshine #sunday ',
 "can we talk about the ways in which organizations dehumanize us? and how they're never held accountable? ",
 'stuck in the rat race? find your freedom. #masterkeyexperience ',
 "i have to study... #face #pizza (i stole my roommate's idea for taking this pic) ",
 'dinner with sister!! ð\x9f\x98\x8aâ\x9dxi.\x8fð\x9f\x91ð\x9f\x8e\x89 #sisteradventures #sister #ilovemysisterâ\x80',
 'who else is planning on watching @user tomorrow? ð\x9f\x98\x8d ð\x9f\x98\x83',
 "#usn rifle day 'snowed out', so ar-15 is closest to m-16 i ever got. @user @user @user #navy",

'euro 2016: bbc pundits make their predictions for france #euros sta today - ',
' @user because i am happy! ð\x9f\x98\x8eð\x9f\x98\x8e #happiness #minions ',
'no elder scrolls for many years?! wah wah #bethesda #e3 #e32016',
' @user poor #tiggys ð\x9f\x98f and a little bit cheeky #jax & # ð\x9f\x98\x88 #soa #throwbackthursday @user @user @user ',
'cannot wait for #eurogamer this year! #pumped #eurogamer2016',
'very to work with russell.beckwith soon #staytuned ð\x9f\x93.: my friend lyle!! #tapfoags ..â\x80' ',
'why the nazis studied american race laws for inspiration â\x80\x93 #ushistory #eugenics',
'sharing ice cream #sun #love #outdoors #picnic #summer #family #daughter #father #desse #icecream ',
'nothing like a river island sale shopping spree to cheer you up #retailtherapy #riverisland #shoppingqueen #alwayscheersyouup ð\x9f\x99
1.ð\x9f\x8f%',
'cleaning ze house and zoing ziy laundry. â\x83\x84 i'm finally free from fever and colds. â\x88__â\x88i'm happy! #cleaning #laundryday
'',
'2 new listings are up! #ebay #woohoo #sell #selling #buy #shop #shopping ',
'i am thankful for my challenges. #thankful #positive ',
'chilled night in with ice cream& #grown up2! #chilled ',
'@user #biherism absolutely originated in hateful #bigotry #altright hatred of our african american #potus #theresistance',
' @user * sweets ð\x9f\x8dð\x9f\x8dð\x9f\x8d-ð\x9f\x8d\xadð\x9f\x8d«â\x9c''!!!! * #instagood #i\x95\x84i\x9d`è\x8f\x8c #â\x81¶â\x83\x98
f #idola #idol #â\x84à\xadà\x94à\xadà¥ #followme #selfie #â\x810â\x82\x8bâ\x81\x88â\x82\x8câ\x80' ',
'all these tragedies in america first with the killing of #christinagrimmie and now #orlando #america is not a safe place to be today!
'',
' â\x86\x9d #brexit angst a factor helping drive down interest rates in germany and japan - bbh #blog #silver #gold #â\x80' ',
'fab & interesting day at #eachpm. now dash to a quiet place to dial into iiba emea region meeting #busy :)',
'kayak, sup, snorkel, swim...whatever your pleasure, we'll put it together! #alohabeachbus #hawaii #explore ',
'u can hold a man down for years ...and watch him change on u over some hear say.. no loyalty.. no... ',
'we'll back going to tacloban now! see ya later!ó%\x8cûâ\x9d #great â\x80\x94 traveling to tacloban city from catbalogan ',
'@user how do you feel about that? you haven't won any olympics medal ',
'angry birds il film download ita â\x80\x93 720p hdtc (2016) #birds #download #film #il #ita',
' #sunday to you all ð\x9f\x98\x98 #photo by @user #model #urbex #topless #tits #mono #retweet # #sexy #heels #ace ',
'fo woh officer in viral arrest video was â\x80\x93 rude not racistâ\x80\x93: chief #crime #officerâ\x80' ',
'@user @user @user @user saturday friends',
'yayyyy my friend got married today ð\x9f\x91ð\x9f\x91ð\x9f\x91ð\x9f\x91ð\x9f\x91ð\x9f\x91 congratulations guys. â\x9d#i.\x8fâ\x9d#i.\x8f #s
hegotmarried â\x80' ',
'#model i love u take with u all the time in urð\x9f\x93!!!! ð\x9f\x98\x99ð\x9f\x98\x8eð\x9f\x91\x84ð\x9f\x91\x85ð\x9f\x92ð\x9f\x92ð
\x9f\x92' ',
'if lewis remains perfect, the rangers announcers are gonna stroke out. ',
'chris is so to be back to #soccer after missing most of #spring #season with a brokenâ\x80' ',
'train tickets booked for my opera week in wales ',
'it's a beautiful day..... #sun #fun #beachpark @ beach park "',
'the big screen is being fitted right now #euros2016 ',
'not all love stories are happy ending. #anime #love #story #not #ending #like4likeâ\x80' ',
'#poet bull up: you will dominate your bull and you will direct it whatever you want it to do. when you sta ',
'i am tranquil. #i_am #positive #affirmation ',
'@user is that the name of any upcoming new track? ð\x9f\x98\x81ð\x9f\x98\x81 #2pm #kpop',
'best #essentialoils for #anxiety !! #healthy #peace !! #altwaystoheal !! ',
'@user @user @user wow some people's children have nothing better to do then insult people on twitter . .',
'thinking maybe i should have bought @user instead of @user #gettingold #becomingboring #notborderlands #goblizzard',
'the fact that @user album is an hour away from dripping has me losing my mind.. #fatkidinacandystore',
'ryderrideu - see you c2c and cum together: #snapshot #young #shy #kinky #wet #porn #hot #xxx #horny #s... ',
'ð\x9f\x8c.ð\x9f\x8cð\x9f\x8cð\x9f\x8d\x83ð\x9f\x8c snapchat: gaby_china20 #love #girl #snapchat #flowers #instasmile #instaloveâ\x
80' ',
'i am brilliant. #i_am #positive #affirmation ',
' @user true :/ niggas dont go looking for apaments they go look at shoes and jewelry ',
'safe ways to heal your #acne!! #altwaystoheal #healthy #healing!! ',
'#msgapparelstoday @user u r so special 4 us father day',
'camping next weekend. #lovecamping #brownwood',
'i'm so and #grateful now that - #affirmations "',
'my #forever bestie ð\x9f\x92\x8b #karaoke #friends #friendship #love #nofilter #instacool #instagood â\x80' ',
'@user absolutely love this place. fantastic welcome from carlos, receptionist. 5th time here. room request granted as usual. #318 ',
'headed to #thealter with my peculiar family! ',
' â\x86\x9d #us retail sales control group likely rose 0.2% m/m in may â\x80\x93 danske bank #blog #silver #gold #forex',
'happy fathers day. you are love of my life & the best father in the world. â\x9d#i.\x8fð\x9f\x98\x98 @user #fathersday #love ',
' coolestlifehack: worlds smallest snake #motivation',
'this is a shockingly and increasingly #violent #world we live in and the #uk has gun control laws. i feel for the mp's family & fr
iends",
' ? #funny ? or simply so #truestory :) ',
'happy bihday to me!... brithday day holidays #monday #menmodelsâ\x80' ',
'i am saddened that no-one has thought to groom her for the position before asking her opinion on such an issue. ',
'ukrainians athletes are not in grosseto for @user ... watching livestream without seeing them it's not the same... "',
'new season of oitnb stas tonight ð\x9f\x99\x8cð\x9f\x8f% #oitnbseason4 ð\x9f\x98-ð\x9f\x98-',
' @user excited to be on the other side of the cuain for once tonight. looking forward to seeing @user on broadwayâ\x80' ',
'when quay collab with @user says sold out!!!ð\x9f\x98ð\x9f\x98«ð\x9f\x98ð\x9f\x98«ð\x9f\x98ð\x9f\x98«ð\x9f\x98ð\x9f\x98«ð\x9f\x98«ð\x9f\x98«ð
\x9f\x98«ð\x9f\x98ð\x9f\x98«ð\x9f\x98 #noooo #whyyyy #loveyoudesi # ',
'i'm to finally get my #jordans and i get #paid to #wear them too! #lowtopsâ\x80' ',
'i am impressive. #i_am #positive #affirmation ',
' father's day to all the fathers out there out there making it happen #salute to y'all ..',
'our view from the 27th floor! :) #nyc #newyorkcity #myview girl #wine #fridaynightâ\x80' ',

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'#work #fusiona wolves in last stage #development #chase @user @user now ',
"@user i don't like the #blacklivesmatter slogan. talk about being .",
'r.i.p little bear bear... #hamster #rip #imissyou ',
'give me a hug #love my cats moment ð\x9f\x98\x8d ',
'your lips like fire, my blood like gasoline ð\x9f\x94\x9f\x92\x98 #love #boyfriend #smile ',
"here. we. go. let's do this people! #icrs2016 ",
"life isn't a race: allow yourself to be in the present @user #fun",
'dental testimonials from our #lichfield clients - ',
'thank youð\x9f\x99\x8fsoo muchð\x9f\x98\x98 pretty @user i feel soo blessed & lucky!!plz do keep showering ur lyks on með\x9f\x98\x99
#surprised #2likes #unexpected',
"@user @user @user nice 2c susanna smiling 2day,who needs false promises of flying dragons when she's got ben ",
'@user 1d not back yet ',
"i got the call yesterday. mom was diagnosed with stage 3 ovarian cancer. i'm terrified, she's terrified. just don't know what to do.
",
'@user #feminismiscancer #feminismisterrorism #feminismuktbarat why #malevote is ignored @user',
'@user @user @user is on the other side of history and our allies on this issue. #embarrassing ',
"fox new just coming out and saying it bluntly. one of the most things i've read. ",
'good morning all ! #internationaldayofyoga2016 #yogalove #yoga #relax #healthy #positiveâ\x80 ',
'@user monkeys are also declared as vermin. no protest from bajrang dal? @user @user',
' @user new plants from @user are here and ready for the garden at gardening know how! ',
' @user coldplay last night with my fave ð\x9f\x91«ð\x9f\x92\x83ð\x9f\x8f»ð\x9f\x92\x95 #coldplay #conce #hampden #fave #couple #cute â\x80 ',
'use the power of your mind to #heal your body!! - #altwaystoheal #healthy #peace! ',
" #flagday! here's mine in this gorgeous #texas sky! #householdname #takingoverâ\x80 ',
"aww yeah it's all good bing bong bing bong ",
'@user yes lets do this,suppoing a openly ,#prowar #anti #islamic,#homophobic,#rapist,who advocates more of same,#hypocrite',
' , #cat, #furry, #persiancat | #4798 | pixion - wallpapers, images, a ',
'good moooooorning #tgif ð\x9f\x92\x8b #kiss #kisses #friday #fridayfun ',
' @user enjoy everything already given to you rather than always needing more. #blessed #thankful ',
'#euro2016 match schedule design - france vs romania ! ð\x9f\x98\x83 all feedback is appreciated! ',
'for fathers day too should take your dad to @user for the 2 for \$20 he will love it ',
'berlin before and after. thank you so much @user - that was incredible. #theriveourberlin #theboss ',
'why listen incubus never hus! ð\x9f\x98\x9cð\x9f\x99\x8c #nowplaying #sick #little #world - nissan #live #set de @user â\x99« ',
'@user anderson cooper & don lemon will not like gays being thrown off buildings by sharia. #2ndamendment ',
'bei is on a field for dog-walking. #dogs ',
'who would steal awork from @user #boohiss ',
'competing for a listing today! #whenrealtorscompeteyouwin #callme #gotheextramileâ\x80 ',
'@user great park but a totally disorganised one!!! #poaventura #whatajoke ',
'i've got news for you, bernie wasn't winning dc even if the vote was held last month. #dcvotes ',
' â\x86\x9d #eur/usd printing new monthly tops above 1.1400, draghi eyed #blog #silver #gold #forex',
"our two presidential candidates, everybody. this is what we've devolved into. #elections2016 #america #smh #usa ",
'poor pup. #animals #puppy #vine #magic #subscribe #youtube (vine by @user ',
'rare pic of superstar @user with @user bihday sivakoratala :) ',
'@user and @user how is it 2016 and i am moving just outside of downtown gr mi and neither of you offer better than 6 mbps. ',
' @user wishing all the dadâ\x80\x99s a happy fatherâ\x80\x99s day! #dads #fathersday #2016 #intellicred ',
"met this girl 5 yrs ago online b-ng gay friend. y does she look like this when she didn't b4? @user ",
'that face says it all! #pwcproud ',
' | b u s y | #love #instagood @user #tbt #cute #me #beautiful #followme â\x80 ',
'enjoy this weekend with your family at your home. happy weekend my dear friends :) #weekend #family #home... ',
'another senseless tragedy. #tragic #pulse #orlandostaystrong #thoughtsandprayersâ\x80 ',
' @user loving #yrkkh frm the bottom of my hea frm the day it stared.. & what do v get in return.. #uglyspat @user @user',
'captain felix at rutland water. the little boat behind is about to go on a very grand adventure.... ',
'binge watching series 1 of #thekilling so as to completely avoid football. ',
'to quote jeremy corbyn: "here we, here we, here we fucking go!" ',
'happyð\x9f\x92\x99 #travel#time #instamood #moments #love#mylife #russian#girl #model #4likeâ\x80 ',
' porn vids wwwsmallgirlsexcom',
' @user #tuesday #jackie #quote #taketime to do what makes your #soul #enjoylife #smile #believe #dream #havefun ',
'home sweet home is what i call #edinburgh since moving there years ago! #scotland #homesweethome #family ',
'play england vs russia in marseille at 21:00??? what did they expect? high risk game and plenty of time to drink... ',
"aww yeah it's all good bing bong bing bong ",
'i am thankful for sweater weather. #thankful #positive ',
'haunting atmospherics #studiotime ',
'@user @user become a fan does not give the right to criticize the personal life of an idol. ',
'the latest obsidian radio daily! thanks to @user @user @user #latesnews',
'mind-blown; learning so much in this google forms workshop. @user #cfisdrrr',
' @user so sexy #pretty pussy #sexybbw #realmpv ',
' @user back to @user after a v traumatic few months. damage not as bad as thought, proof the plan works! onwards & upwards ð\x9f\x98\x8a #excitâ\x80 ',
'you might be a libtard if... #libtard #sjw #liberal #politics ',
' just more overwhelming evidence that the company #trump keeps echoes his sentiments & ideals #dumptrump ',
" @user most of y'all females beefed out over these community dick ass niggas , ð\x9f\x92`ð\x9f\x98\xad",
"people be like you already forgot so and so.... nah it's not that it's just new names are made a hashtag on a weekly basis ",
'how to be ?!.i have the answer ð\x9f\x98\x8að\x9f\x98\x81',
'cherry color is symbol of warm and positive energy necklace price: 200 aed #stones #gift #amazing #beautiful ',
"i can't wait for the 2016/17 season to begin! #lfc #ynwa #englishpremierleague ",
" @user happy father's day to all dads except #rogergoodell! #fathersday #goodellsucksâ\x80 ',

' à\x86\x9d #orb independent brexit poll shows leave vote ahead, gbp/usd slumps #blog #silver #gold #forex',
 '@user @user @user 25mm + 16mm = no washout no flooding good take and all set for another days golf ',
 "@user ya ever since zayne left they've never been the same ",
 "happy father's day à\x80i.\x8fà\x9dñi.\x8f #loveyou #fathersday #sunday #father #daddy dayà\x80' ",
 'big shock on monday-needed to find new home. yeah! found my dream cottage on tuesday ',
 'save thousands \$\$ free search x logins x brokers #actor #seeklearning #stafresh ',
 'actually ordered a kylie lip kit ',
 'i hope the family made arrangements to make sure that #bastard @user canà\x80\x99t get access. ',
 'ð\x9f\x98\x94 #socialmedia us firm to build 6 nuclear reactors in india ',
 '#smaphone bull up: you will dominate your bull and you will direct it whatever you want it to do. when y ',
 '#lifeisbeautiful #loveit #workhard #trainhard no matter where you go! #blessed #fitlifeà\x80' ',
 'oscar tabarez talks luis suarezà\x80\x99s angry reactionà\x80' #spos #during #luis #oscar ',
 'now playing on #njoyhit40 #1hitmusicstation us uk eur @user join us on #nice #nyc @user',
 " @user only 2 weeks to go and i'm a #personaltrainer full time i will have new slots available from 30 june - pls spread tà\x80'",
 "a mother can take care of ten children's but sometime ten children cant take care of their mother ,,, ",
 'i am thankful for good nightsà\x80\x99 sleep. #thankful #positive ',
 'now playing : the bride - " nocturne" on #melancholy #melancholymusic',
 '#tk3fathersday fathers day to all tatay daddy enjoy wathing tha voice kids',
 'i am thankful for my friends. #thankful #positive ',
 'i am thankful for mason jars. #thankful #positive ',
 '"nigger?" #lifelessons of a white kid who grew up in the 60's. #blogpost #whitepeople #respectà\x80' ',
 '@user @user @user congrats! for @user',
 'via jts88: @user ò\x8ç #love #sinkthepink #music #instagay #celebspot ... ',
 '@user ready for @user at #ccmf2016 !! #mychurch #frontrow #upshow ',
 'how utterly : people with incurable #stupidity in #africa albino killings in malawi spark education campaign ',
 ' à\x86\x9d #gold off highs, back around \$1,260 #blog #silver #gold #forex',
 'shocking events in orlando - now will the usa review their gun laws or do more innocents have to die first? #horrific #unforgiveable :
 (' ,
 'i am knowledgeable. #i_am #positive #affirmation ',
 'with le sister! #instatraveling #instamoment #igdaily #instagramhub #instagood #instalike ',
 '..feeling so #lonely..and ..',
 '#girliguessimwithher tag is the saddest representation of how people feel they are now forced to vote for "her" ',
 'the h factor! does your #mobile app make the user ? want more factors? click to download aricent #whitepaper ',
 '@user meanwhile google violates free-speech at will ',
 'happy at work conference: right /mindset leads to culture-of-development organizations #work #mindset',
 " @user #rochester attack bull chase: when you leave the lot despite the fact that you're a strong source of f ",
 "i'm in the @user competition!!! ð\x9f\x8e\x89ð\x9f\x8eµð\x9f\x8e\x89ð\x9f\x8e#ð\x9f\x99\x8cð\x9f\x8f%â\x9c\x8cð\x9f\x8f%i.\x8f ",
 '#tattoosleeves gorilla simulator: you need to do to adapt to the environment. the need to tear the city. m ',
 'ima go cry for a few hours brb ',
 'i #tell my sorrow to the #river so that the river taught me how to flow without the #complain -sepatu dahlan- #philosophy #proverb',
 'i am thankful for memories. #thankful #positive ',
 '@user you surely are a nasty piece of work! lmao. ',
 'today is a perfect day to be ! #happiness #lifecoach #reinventimpossible ',
 ' after sex over 40 sex naked women ',
 'i am thankful for cocktails. #thankful #positive ',
 'dont wait #outside #thepeel 4 #work #homophobic #taxi #driver #guys #kiss there #gay #melbourne #13cabs ',
 "@user guess no one wanted to let the residents of spring street know they wouldn't be able to leave for a few hours today. ",
 'great morning deborahð\x9f\x8c»ð\x9f\x8c».@user #smiles and #kindness ð\x9f\x92\x96 day!ð\x9f\x98\x80ð\x9f\x91\x8b',
 '_ #windows10 split screen #browser! #customcasetab #noedit 712',
 " @user people use tragedy like this to fuel their hate agenda towards entire groups of people and that's the opposite of helpfulà\x80'",
 'taeyeon unnie is on fire! ð\x9f\x92\x93 btw i really hope that her album cover is not yellow lol #why ',
 'john mica...how the hell are people like you elected @user @user #totalpolitician #outoftouch #disgraceful ð\x9f\x98\x93',
 'nothing makes dad happier than a tasty meal! #fathersday ',
 'the #truth about #suicide rates in young #blackboys ',
 'happy sunday #homesweethome #amazing #love #istanbul #girl #beautiful #instalike #meà\x80' ',
 'oh she blocked me. at least i have love island to look forward to on sunday :)',
 'now playing : suzanne ciani - " 4 o'clock in the morning" on music song ',
 'swing ð\x9f\x98\x8aà\x9dñi.\x8fð\x9f\x91 #swing #mybabygirl #baby #littlegirl #park #love #cute ',
 'help! bubble attack! #winter #bathtime #cozy ',
 'i am moving. #i_am #positive #affirmation ',
 'the thing is, no matter how many laws and regulations there are with guns, people will still find a way to get their hands on them. ',
 ' @user #sunflowers - #nature #garden #photograpy quality prints & cards at: ',
 '@user didnt stay for long had an emergency at home my daughter was not well soo i had to rush home and i missed ur set ',
 ' @user great insights on trusted professions in emea at #growth #hacking #conference at #growthwithhubspot. ',
 'carolyn cooper | ugly, poor, ignorant and black! ',
 'franklin is a #dog in the #sunshine #dogsoftwitter ',
 'perfect day= buy real furniture, hiking, @user for dinner, @user for desse!ð\x9f\x8e\x89ð\x9f\x98\x8að\x9f\x91\x8d #sleepnumber #bonusto
 longest #dnd ',
 'happy face lovely smile @user #satisfying #hair #workit #smile #faceà\x80' ',
 'ð\x9f\x92\x97ð\x9f\x92\x97ð\x9f\x92\x97 love you. ð\x9f\x92\x97ð\x9f\x92\x97ð\x9f\x92\x97 . #sunday #weekend #selfie #longhair #girl #se
 lfporait #loveà\x80' ',
 '#nature_perfection bull hill climb: you have to reach the target to complete the task to survive. with str ',
 '#model i love u take with u all the time in urð\x9f\x93±!!! ð\x9f\x98\x99ð\x9f\x98\x8eð\x9f\x91\x84ð\x9f\x91\x85ð\x9f\x92ð\x9f\x92ð
 \x9f\x92' ',
 'orlando gay men angry they can't donate blood after massacre - ',
 ' @user golvinglobal " golinuntern: fresh air, trail running, and a soul. keeping the #golinuntern life balanceà\x80' ',

[illegible]

[illegible]

```
'#model i love u take with u all the time in urð\x9f\x93±!!! ð\x9f\x98\x99ð\x9f\x98\x8eð\x9f\x91\x84ð\x9f\x91\x85ð\x9f\x92|ð\x9f\x92|ð\x9f\x92|',
'#theshallows weak attempt to cash in on the jaws anniversary ',
```

'@user non stop election i blame #cspan for hiding for 8 years 2016 pittsburgh california ',
 'weâ\x80\x99re extremely to reveal the first #official #poster for #poalorigins [pa 2], coming this #summer. moâ\x80' ',
 '16 minutes and counting.... #wwdc #wwdc2016 ',
 '@user @user he "has to play ball" now! the state of our politics! it\'s now all a facade, as we\'ve lost principality!',
 "#people aren't protesting #trump because a #republican won-they do so because trump has fuhered &â\x80' ",
 "it's a great day to just be nothing but happyð\x9f\x98\x8að\x9f\x92\x9eð\x9f\x99\x8c #blessed#thankful",
 'have a happy sunday everyone!!!â\x9c\x8cï.\x8fð\x9f\x92\x96â\x9c\x8cð\x9f\x92\x96 #sundaymorning #sunday #peace #love',
 "i always help others. never myself. because other people matter and i clearly don't. #quotes #latenights ",
 ' ! my bihday weekend ! even better ! xx ',
 'stay strong ð\x9f\x92\x8b #selflove #love #iloveme #quote #quotes #quoteoftheday #happiness #life #wisdom #wordsofwisdom ',
 "happy father's day.. #boys #father #sweet #love #memory @user ",
 "aww yeah it's all good bing bong bing bong ",
 '#life is most #impoant for #human #spirit #truth #love #give b #spirituality #thinkbigsundaywithmarshað\x9f\x92\x93ð\x9f\x99\x8fð\x9f\x98\x87 ',
 "to the father of my babies, i love u. happiest of father's days! #father via ",
 " @user current mood: about @user 's web developer meet & hire on 6/22. ",
 "you know you're getting old when you sta to get 'turned on' looking at poweools in b&q ",
 're: 50 projects 2016---busy hands are happy hands! ',
 ' @user bride: a woman with a fine prospect of happiness behind her. â\x80\x94\x94\x94 ambrose bierce #wedding #love ',
 ' #friday xoxosamantha via ',
 '@user stop robbing innocent customers of their hard earned aime which you guys have no idea on how dey managed to recharge... ',
 "grab your bestie & swing by for hour ~ we've missed you. #fun #eatâ\x80' ",
 ' is not an #opinion. racism is #degrading people based on race to justify #discrimination or open #violence against them. #stopracism',
 'finally moving today ð\x9f\x98\xadð\x9f\x99\x8fð\x9f\x8f% ',
 " @user @user and @user i'm on my way..... can we say #blogger #vloggerâ\x80' ",
 '@user @user yay! fantastic for #edinburgh',
 'lemme find out i have to put on my boiler in the month of june. ',
 'my hea goes out to the families of those 50 people killed in the massacre in orlando. ',
 'pre @user gig drinks! ð\x9f\x98\x8e #passthecourvoisier ð\x9f\x8d.@user ',
 'so we rescued a pup... meet rexy ð\x9f\x90ð\x99 #rescueup #rexy #pupsofsg #suicidegirls #beautiful #puppylove ',
 'these videos will get you excited for the futureâ\x80' #tech #augmented #future #mobile ',
 ' @user congrats ð\x9f\x98\x84 ur wish come true working with @user ð\x9f\x98\x8a superxcited for the songs ð\x9f\x98\x84ð\x9f\x99\x8câ\x9dð\x9f\x98\x8d ',
 'we wish it were! ',
 'â\x98\x80i.\x8f#hellolosunday i hope you all have a #beautiful #sunday :) #sundayfunday sunnday!ð\x9f\x92\x8b ',
 "i once did that gif..did't listen to this song since ages.. ",
 ' â\x86\x9d #nzd/usd rises to 0.7040, eyeing gdt price index and fomc statement #blog #silver #gold #forex',
 'how true! home-food is considered a cheap-meal. impressions are made at restaurants!!! ',
 "happy bihday to one of the west's greatest!! tupac shakur ð\x9f\x91\x91ð\x9f\x98eð #bihday #rip #tupacâ\x80' ",
 ' @user live your life... ',
 '29hrs to goð\x9f\x98\x89 #fl #motionposter to be revealed #mupparimanam feeling #nervous ð\x9f\x98\x80ð\x9f\x91\x8dð\x9f\x98fð\x9f\x98\x8a stay tuned ',
 '@user i had a little taste it was for sure! ',
 'appletstag #compleanno #toa #cake #family bday #selfie #me #smile #girl #summerâ\x80' ',
 '#anime #anime-a -tree-friends #tags: #anime, #fana, pixiv, happy tree ... ',
 ' @user happy 2nd wedding anniversary to my amazing husband @user ð\x9f\x8dð\x9f\x98e\x89ð\x9f\x92\x95ð\x9f\x91°ð\x9f\x8fð\x9f\x98e #memories #2years #lotstocome #love ',
 'after a slow sta, i had a productive day! getting back into a routine after a bout of fatigue and flareup is hard! #spoonieproblems ',
 "i love ramdan and fasting,i love the iftar's feeling and i love the way i feel during ramadan with praying and reading quran #blessed",
 ' â\x86\x9d #eur/gbp subdued trading action around 0.7930 #blog #silver #gold #forex',
 ' ð\x9f\x98\x8a with @user #ngitingtagumpay ',
 "it's an unusual cloudy day. election day and picnic with friends! sunday to everyone! ô\x93\x94ô\x94\x9b #welcomeludovica... ",
 '#cloudchaser gorilla simulator: you need to do to adapt to the environment. the need to tear the city. mat ',
 'christ is alive in you. #vlicobs #xoxo #love #grace #amen #share #passion #church #lifeâ\x80' ',
 "wants leak of udt punjab probed, suspects 'political ... #jobs #jobsearch #: #chandigarh: makers of udt... ",
 'yesterday @ ozen ð\x9f\x99\x83 #restaurant #eatallyoucan ',
 "i can already tell that next week's episode is gonna give me intense anxiety!!!! #nervous #gameofthrones ",
 "you've got nothing to say, so you assume that?! ahahahahah ",
 "i'm just an ordinary girl #intruduceyourself !ð\x9f\x98\x8að\x9f\x98\x8a",
 ' @user may lights triumph over darkness. may this ramadan bring peace, harmony and joy. #ramadan! #ramadankareem ',
 '@user @user anyl else notice most of the "suppoers" r pageant girls w.years to internalize a female oppressive system? ',
 ' @user 4 reasons that optimists rule the world #success #growth #balance #optimism ',
 "i hate online applications because you don't even get your foot in the door before they tell you no, we don't need you. ",
 'i am thankful for flowers. #thankful #positive ',
 "to top off my crappy day w/me not signing papers for my house, @user pop up conce 4 blocks from work & i didn't know. :(",
 'beautiful (: i love living at the beach!!!! #beach #loveit ',
 ' @user omg bitch ð\x9f\x98\x82ð\x9f\x98\x8dð\x9f\x98\x8dð\x9f\x98\x8d i knew you was gone do lil kim .. actually look like a music video ',
 '#tgif #ff to my #gamedev #indiedev #indiegamedev #squad! @user @user @user @user',
 '@user @user @user man i even have a bunch of coupons too.... ',
 'way to sta the day #goodmorning ',
 'lking forward 2 our watering holes, watchtowers, foresses.. @user @user @user ',
 '@user #allahsoil the next best seller book! #isis #islam #2016in4worlds #2016in4words #terrorists #gwot â\x80' ',
 'this a a fantastic rub for steak #yum #thespicesndteaexchange #dc #healthyâ\x80' ',
 ' #followme touch my tits - ',
 'feels like summer ð\x9f\x98c'ð\x9f\x98d\x89ð\x9f\x91\x99 #love #like #live #life #enjoy #healthy #sun #tan #bikini #summerâ\x80' ',

```
"#teenageson reckons that he's gone 'beyond the call of duty' with my #fathersday prezzie  ð\x9f\x98\x8d",
"@user don't forget, @user - research shows that sexist men have psychological problems. #tuckercarlson ",
'nice! any specific pedagogical changes? ð\x9f\x98~ ',
'@user typical city fan ',
'"no im not attracted to asian ppl bc im not asian" what if i tell you no im not attracted to u bc im not (inse race here) hoe ',
'@user awlrite mol? jealous? better than being at cricket pitch all my life #getalife',
'prayers go out to eddie and his family ',
'#nothappy my carer is finishing in one week :*(',
'#closeencounters of the #fatkind #fatkid #dese #sick #tired #maybemono ',
'#gymmorgon #gym #morning #strength #energy #training @ wingym ',
'glad it all arrived safely @user ! ',
'who defines ?: historically #oppressed or historic #oppressors/#privileged',
'are you really or just pretending to be? #truthseekers #empowerment #selfimprovement #healing #ihearadio',
'i finally found a way how to delete old tweets! you might find it useful as well: #deletetweets',
' @user what a #view #oregon #poland #usa #unitedstates #holiday #dj #producer #houseâ\x80' ,
'have you put in your #vote yet? if you havent, do it and #share so we can see what makes #you #smile. #poll ',
' @user next chapter in life stas soon, looking at a house today with my fiancÃ© â\x9d#i.\x8fð\x9f\x98\x80ð\x9f\x8f\xa0ð\x9f\x91\x8dð\x9f
\x8f» ',
...]
```

```
In [49]: sentences_as_one_string = " ".join(sentences)
```

```
In [50]: !pip install WordCloud
         from wordcloud import WordCloud

         plt.figure(figsize=(20,20))
         plt.imshow(WordCloud().generate(sentences_as_one_string))
```

Collecting WordCloud

Downloading wordcloud-1.8.1-cp37-cp37m-win_amd64.whl (154 kB)

Requirement already satisfied: numpy>=1.6.1 in c:\users\administrator\anaconda31\lib\site-packages (from WordCloud) (1.18.1)

Requirement already satisfied: pillow in c:\users\administrator\anaconda31\lib\site-packages (from WordCloud) (7.0.0)

Requirement already satisfied: matplotlib in c:\users\administrator\anaconda31\lib\site-packages (from WordCloud) (3.1.3)

Requirement already satisfied: kiwisolver>=1.0.1 in c:\users\administrator\anaconda31\lib\site-packages (from matplotlib->WordCloud) (1.1.0)

Requirement already satisfied: pyparsing!=2.0.4,!=2.1.2,!=2.1.6,>=2.0.1 in c:\users\administrator\anaconda31\lib\site-packages (from matplotlib>WordCloud) (2.4.6)

Requirement already satisfied: cyclr>=0.10 in c:\users\administrator\anaconda31\lib\site-packages (from matplotlib->WordCloud) (0.10.0)

Requirement already satisfied: python-dateutil>=2.1 in c:\users\administrator\anaconda31\lib\site-packages (from matplotlib->WordCloud)

$$(2.8.1)$$

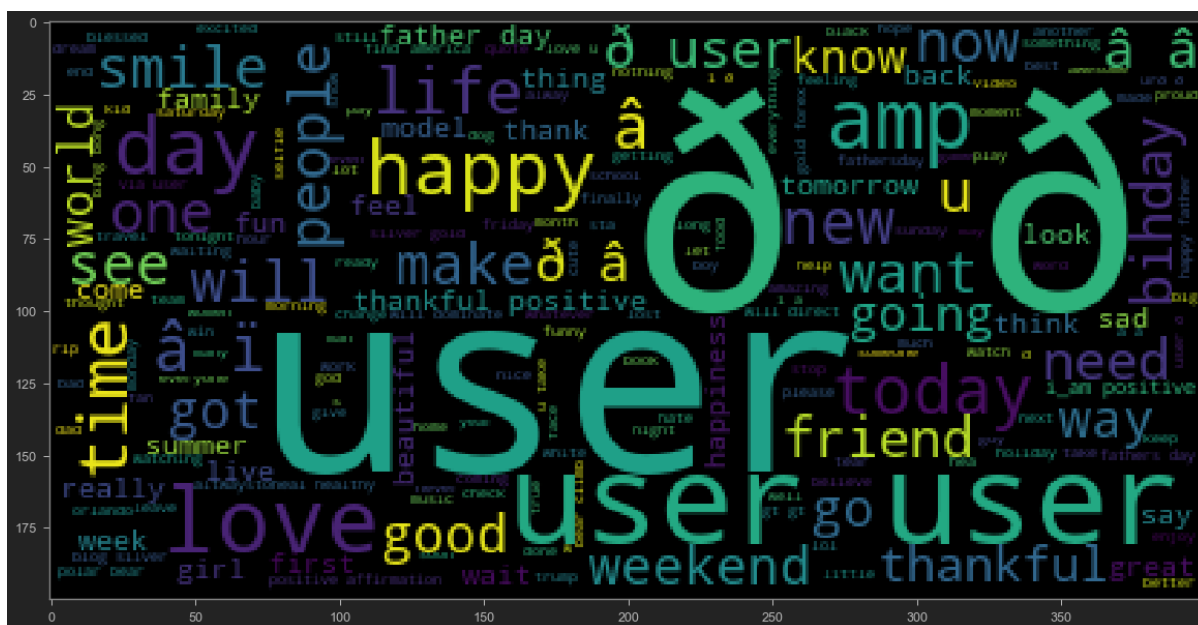
Requirement already satisfied: setuptools in c:\users\administrator\anaconda31\lib\site-packages (from kiwisolver>=1.0.1->matplotlib->Word Cloud) (45.2.0.post20200210)

Requirement already satisfied: six in c:\users\administrator\anaconda31\lib\site-packages (from cycler>=0.10->matplotlib->WordCloud) (1.14.0)

```
Installing collected packages: WordCloud
```

Successfully installed WordCloud-1.8.1

```
<matplotlib.image.AxesImage at 0x20ee3d0c8c8>
```



MINI CHALLENGE #4:

- Plot the wordcloud of the "negative" dataframe.
- What do you notice? Does the data make sense?

```
In [51]: negative_list = negative['tweet'].tolist()
```



```
In [52]: negative_list
```

["@user #cnn calls #michigan middle school 'build the wall' chant '' #tcot ",
 'no comment! in #australia #opkillingbay #seashepherd #helpcovedolphins #thecove #helpcovedolphins',
 'retweet if you agree! ',
 '@user @user lumpy says i am a . prove it lumpy.',
 "it's unbelievable that in the 21st century we'd need something like this. again. #neverump #xenophobia ",
 '@user lets fight against #love #peace ',
 "ð\x9f\x98@the white establishment can't have blk folx running around loving themselves and promoting our greatness ",
 "@user hey, white people: you can call people 'white' by @user #race #identity #medâ\x80",
 'how the #altright uses & insecurity to lure men into #whitesupremacy ',
 "@user i'm not interested in a #linguistics that doesn't address #race & . racism is about #power. #raciolinguistics bringsâ\x80",
 '@user why not @user mocked obama for being black. @user @user @user @user #brexit',
 "#people aren't protesting #trump because a #republican won-they do so because trump has fuhered &â\x80",
 "yes it's when you call #michelleobama a gorilla because racists have long thought of black people as no betâ\x80",
 'as the smaller hands show, barry probably lied about being why his #knicks game sucked more than his #golffâ\x80',
 '@user @user you point one finger @user millions are pointed right back at you, #jewishsupremacist',
 'you might be a libtard if... #libtard #sjw #liberal #politics ',
 '@user take out the #trash america... - i voted against #hate - i voted against - i voted against - i votâ\x80',
 "if you hold open a door for a woman because she's a woman and not because it's a nice thing to do, that's . don't even try to deny it",
 '@user this man ran for governor of ny, the state with the biggest african-american population #â\x80',
 '#stereotyping #prejudice offer no #hope or solutions but create the same old repetitive #hate #conflictâ\x80',
 'how many #pols passed by how many times and said nothing? #bluelivesmatter #draintheswamp #ferguson ',
 '7 horribly ads from #2016 that made us cringe ',
 '@user "the dying of the light" village green/townâ² #antisemitism #hocoschools #columbiamd #hocomd',
 "@user you never answered me about your statement on the #nazi's over #hatred, & #bigotry being found wâ\x80",
 'you might be a libtard if... #libtard #sjw #liberal #politics ',
 'trump ny co-chair makes racist remarks about michelle obama #p2 #p21 #fyi #tcot',
 '@user the pic says otherwise for young girls confined in that kitchen. you are void of meaning, beyond cheap publicity #topoli ',
 '@user when you're blocked by a troll because you promise to #blacklivesmatter & let his nonsensical rants boosâ\x80',
 'why the nazis studied american race laws for inspiration â\x80\x93 #ushistory #eugenics',
 '@user #biherism absolutely originated in hateful #bigotry #altright hatred of our african american #potus #theresistance',
 'fo woh officer in viral arrest video was â\x80\x93 #racistâ\x80\x93 chief #crime #officerâ\x80',
 "discussing republicans is the same thing as critiquing . we can't ignore the consequences.",
 'are you #black & feel like the are stomping on you? â\x80' #retweet #tampa #miamiâ\x80',
 '@user #allahsoil the more familiar we become the more difficult it is to stereotype. . â\x80' â\x80',
 'anti racist is a codeword for antiwhite asia for the asians africa for the africans white countries for everyoneâ\x80',
 '@user you #praised #cleveland police during #rnc the police are under a consent decree! 75% are #white #tamirrice #rip',
 "@user that doesn't prevent you from being a and a #bigot",
 ' girls in the world sexy mature housewife ',
 "@user i don't like the #blacklivesmatter slogan. talk about being .",
 '@user #feminismiscancer #feminismisterrorism #feminismmukt Bharat why #malevote is ignored @user',
 "fox new just coming out and saying it bluntly. one of the most things i've read. ",
 '@user yes lets do this,suppoing a openly ,#prowar #anti #islamic,#homophobic,#rapist,who advocates more of same,#hypocrite',
 ' porn vids wwwsmallgirlsexcom',
 'the latest obsidian radio daily! thanks to @user @user @user #latesnews',
 'you might be a libtard if... #libtard #sjw #liberal #politics ',
 ' just more overwhelming evidence that the company #trump keeps echoes his sentiments & ideals #dumptrump ',
 '"nigger?" #lifelessons of a white kid who grew up in the 60's. #blogpost #whitepeople #respectâ\x80',
 'carolyn cooper | ugly, poor, ignorant and black! ',
 '@user no, he was definitely a mexican. #fakenewsale',
 'standing up to racism and hate by americad not curse out congress and all haters who are deplorable #hateâ\x80',
 '@user #trump used #hate, and #putin to win the white house #trump presses attack on khan family and g.o.p. leaders ',
 'everytime i wear soccer shis joie fries me and says i look mexican as fuck ð\x9f\x98\x92 ',
 'the danger of white liberalism to oveurning (applies to liberal men and feminism too) ',
 'great aicle. right on the money! #starspangledbanner #slavery #apaheid #usa ',
 '@user thank you!! the power of #social #media! @user #aande ',
 "@user and you keep telling that only arians are allowed to rape women! you're just a troll! #eod @user @user",
 '@user any minute #trump will condemn the #vile #bigoted comments of #his #surrogate #carlpaladino #endhateâ\x80',
 '@user #allahsoil vps got multi-million dollar bonuses while average americans lost their homes. â\x80' â\x80',
 '25 jan. interested in how #discrimination and has affected the criminal justice system? ',
 'keep up the opposition to @user #endthenation',
 'i guess @user is talking about progress in the advancement of , #misogyny, #homophobia, #bigotry',
 '@user jake is right, 2 many ppl lack the will power to take a stand & drown the small minded & oft evil tendencies of past ',
 '@user .@user is it possible for you to speak in any topic without bringing race into it, you bigot? @user â\x80',
 '#rushlimbaugh does his incredibly obama impression. via @user',
 'black professor makes assumptions about an entire race whilst speaking for entire race. next week the jews!â\x80',
 '#trumpusa when they call us #homophobic #misogynist they are really saying they are jealous of us wâ\x80',
 'i liked a @user video from @user #sjw retard wants more !',
 '@user msg of #hope for #newyear: a business to end . #endof2016 #tedtalks #tedatibm @user @user',
 '@user non stop election i blame #cspan for hiding for 8 years 2016 pittsburgh california ',
 "#people aren't protesting #trump because a #republican won-they do so because trump has fuhered &â\x80",
 ' is not an #opinion. racism is #degrading people based on race to justify #discrimination or open #violence against them. #stopracism',
 '@user #allahsoil the next best seller book! #isis #islam #2016in4worlds #2016in4words #terrorists #gwot â\x80',
 "@user don't forget, @user - research shows that sexist men have psychological problems. #tuckercarlson ",
 '"no im not attracted to asian ppl bc im not asian" what if i tell you no im not attracted to u bc im not (inse race here) hoe ',
 'who defines ?: historically #oppressed or historic #oppressors/#privileged',
 'the latest the volatile daily! thanks to @user @user @user #space',

'@user radicalism shouldn't be countered with . terrorists see us as inhumans, but we "the free" can't judge by color,â\x80;',
 '@user @user but look how passionate they are about #ivankatrump on the plane. which was #fake. yet ignore #adamsaleh. #raâ\x80;',
 'todays donkey #zionazi is proud of murdering real palestinian semitic children - thats what i callâ\x80;',
 '@user the fn is seeking to rid of its anti-semitic, xenophobic image, but majority of its sympathisers still describe theâ\x80;',
 '@user all happy for Å` #lbgf family, but what i don't get is the incessant but thin veiled against other gay minorities?',
 "no 'racist intent'? is this guy joking? via @user #trump #barackobama #michelleobama",
 "how #quebec's #humanrights & #justice system fail to protect victims of police @user @user ",
 '@user i would have never guessed i would be so disappointed in a city. #berlin ',
 "this how works in uk. if i'd been white & those politician imposed thieves black, they'd investigate & prosecute. #returnmyvinyl
 ð\x9f\x98\x88",
 'the latest the maryland daily! thanks to @user @user #chrismukkah ',
 'also #keyboard is when i type "cause coopting terrorists" reg syria it autocorrects to "cause colored terrorists",
 '@user although, i am not a , a #bigot or a #misogynist, so i hope that i still qualify. #keepyoureyesontheprize-mlk',
 '@user what america owes #blacks #africanamerican #reparations now',
 "if #potus were white he'd still be the worst president ever and most likely the most president ever. #trump #israel #happynewyear",
 'decolonizing the curriculum: the only way through the process is together - #decolonization ',
 ' is a very profitable thing im #america ',
 'this. #treasonoustrump, unsatisfied with his #whiteisis #terrorism, has moved into nuclear terror in a newâ\x80;',
 'yay! except #ellen made comments so should we be suppoing her? if you say #kimburrell made homo-resistantâ\x80;',
 '@user #newyear! new #prez. new #destruction. new #commercials. new !new order! new tweets. new #poopin. new kids on tã\x80;',
 "@user @user @user because we have been #shuckin'andjivin for the #democraticpay that only want our vote!",
 "if you didn't like or #hitler you're definitely not going to like #traitor. #trump",
 "just because you #liberals are self-loathing doesn't mean the rest of us are. the only weapon you have is to yellâ\x80;',
 '@user buffalo school districts boots trump ally over racist comments. #birdsofafeather #resist : ',
 '@user @user dear #versace: wont buy more, if there s in yur retail sign, pissedoffitalian',
 '@user pay of #rich #white #snobs via @user #tcot #tpc',
 "@user ultimately, a #joke from early #2016 that i wish i didn't have to tell. i also wish it didn't do as well as it didâ\x80;',
 'shot inside a pussy office woman ',
 '@user do we need a different word altogether that defines "/hatred against whites and/or men", just to satisfy hateful ppl like her?',
 '@user #feminismiscancer #feminismisterrorism #feminismmuktibharat why #malevote is ignored @user',
 'tyler perry claims â\x80\x98reverse racismâ\x80\x99 by critics of his tlc series #tyler #perry #claims #reverse #criticsâ\x80\x98',
 'smh i cant take these one sided standards ',
 '@user @user 1 get your own house in order 2 when you returning stolen land #hypocrite #liar #inhumaneâ\x80;',
 '#psa: in the age of information, the true ethnicity of biblical people has caused an overlap of andâ\x80;',
 '@user just coz their is a few of these vids, dont mean they are not woh watching, they are there hilarious, a must watcâ\x80;',
 '#sikh #temple vandalised in in #calgary, #wso condemns act ',
 '@user #allahsoil not all muslims hate america. #emiratis #2016in4words ',
 '@user i felt that lawrence fishburn was added as the "magical negro" hollywood stereotypes are made of! @user',
 '@user feds provide inadequate #mentalhealth care for #firstnations: internal memo #thirdworldcanada ',
 '@user @user & the #democraticpay keeps telling me that #blm but i see #chicago #detroit & every other #innâ\x80;',
 'get over it, the world keeps spinning . ',
 'ð\x9f\x8c\x8e @user @user own team up with #new #mc @user & show what #phillysupphilly & combat ',
 'if talking about makes racism worst, with that logic talking about how talking about racism makes it worst, makes it worst.',
 '@user #allahsoil the problem is that thereâ\x80\x99s no space for alternative explanations. â\x80;',
 'paul beyol: is still an issue at varying levels in belgian football @user ',
 "# it isn't to target #illegals and/or #criminals. it's just plain #commonsense. ð\x9f\x98\x98 @user @user @user",
 'lying @user and his disingenuous excuses for #deviant remarks about michelle & #barackobama: ',
 'bullshit, he was thrown out for being a muslim ',
 'hope to see you at the show #feminist #reproductiverights #bihcontrol ',
 '@user you might be a libtard if... #libtard #sjw #liberal #politics ',
 '#hillaryclinton calls me #homophobic #misogynist she really means she is jealous @user whâ\x80;',
 'i wanna be fucked ! my id 13479 meet me here ',
 '@user no liberal believes that. we are the pay of inclusivity who believes in equality for all, anywhere. you are a traâ\x80;',
 'this #newyearseve, may our #resolutions b 2 end problems like & #domesticviolence by turning 2 god of #love ',
 '#japan abe government is mere puppet of ultra rightist group "æ\x97æ\x9c-ã\x9aè\xad"(japan conference)" #fascism #guardian #nytimes #
 bbc #afp #rsf',
 '@user i thought alt-right secretly meant white nationalist #altright #maga #',
 '@user no hitler comparisons?',
 '@user homegrown rightie white americans are 100 times more likely to harm you than a refugee. #fear',
 'â\x80;you #black & feel like the are stomping on you? listen #retweet #tampa #miamiâ\x80;',
 'you might be a libtard if... #libtard #sjw #liberal #politics ',
 'in academia #yehtut offers more nuanced take on #rohingya #dvbmultimedialogroup #yehtut is &â\x80;',
 '@user malia shake that ass! you so fine!....pass the blunt ',
 '#gop will fail on anti-morality platform. ',
 "if you look at a problem and the first thing you thing of is color, be it black or white. you're pa of the problem ",
 ' names for women fucking hard teen ',
 '@user i agree that #hrc wouldnâ\x80\x99t have won the #popularvote w/o #ca. much in same way #trump wouldnâ\x80\x99t win w/o the â\x80;',
 ' chick gets fucked nude superhero ',
 ' sex free sex hotline numbers',
 "just some trump suppoers voicing their thoughts on women's suffrage and germany's immigration policy... â\x80;',
 '@user riyadh is renowned for some of the deadliest traffic in the world. â\x80; #2017in3wordsâ\x80;',
 '@user why the #electoralcollege elects presidents #trump #notmypresident #newswithed ',
 '@user @user needs to fire @user & the dumb mfer that hired his #genocide promoting ass! don't hire their graduates!',
 '@user "people of colour do not enjoy equality within the #lgbtq community; they are an excluded, marginalised group." ',
 '@user seriously lede. come on, @user you can do better. ',

'@user @user for hate crimes watch the #arabs in @user @user never seen so much hate against the poor like in thisð\x9f\x93ºð\x9f\x93ºð\x9f\x920',

' people spit on the face of #god | meditations for the à\x80| #cnn #foxnews #christians #conservative #christ',

"@user @user argentine women protest facebook's sexist censorship rules, eg 2. #censorship #freethenipple ",

'what the heck this is so mean!!! please silence racism! #bully ',

'@user #allahsoil the à\x80\x9ccrusaderà\x80\x9d west vs. à\x80\x9cislamic terrorismà\x80\x9d is a popular sequel to capitalism vs. communism. ',

'show me your tits, idiot! ',

'this is disgusting #grandmother #grandsons #exist #already ',

'you might be a libtard if... #libtard #sjw #liberal #politics ',

'harbaugh had no time for stupid questions about bikinis. thank you, @user no time 4 . via @user',

'techjunkiejh:à\x80\x98the daily showà\x80\x99 unpacks against #blackwomen and #asianmen on #datingapps à\x80| ',

' sea shepherd suppoers are racist! #antiracism #seashepherd',

'@user proves that small dicks make small minds #deploraball #whitesheet #inbred',

"travelled for #canucks game sad and disappointed of #oiler fans the sad i can't cheer for my own team . @user @user",

'if you are one of the 64.2 mil #americans who rejected , #bigotry & #hatred fly your flag half mast on jan.à\x80|',

"@user i don't wish an happy new year to a , an #homophobic, a #warmonger, a , a #worlddanger like you.",

'@user @user yes disgusting and hateful #trumpsamerica #hateful',

"check out this post! confession: i'm #america #controversy #equality #kaepernick #nationalanthem ",

'stocking sex sites chick gets fucked ',

' fox news anchor tells #laurenduca to à\x80\x9cstick to thigh-high bootsà\x80\x9d rather than politics ',

"@user if you are #hispanic #black #asian a non-racist white, other minority don't serve in military while in power #cnnà\x80|",

'are you #hispanic & à\x80| like the are stomping on you? listen #retweet #boricua #miamià\x80| ',

"this much #hatred, #xenophobia, #islamophobia, #antisemitism, and #war was 'too much' for 2016. let's hope #2017 will get less ð\x9f\x8c\x8eð\x9f\x8c.",

' chick gets fucked videos of big asses havin sex ',

'sea shepherd suppoers are racist! #antiracism #seashepherd ',

'@user most problems can be solved by talking to each other instead of about each other. #politics #relationships #newà\x80|',

'à\x80|and even #santa was afraid... of #obama & #soros groups that threaten public safety & propey ',

'@user #allahsoil the revolution occurredà\x80\x95just not how marx expected it to. à\x80| #teambts #teamsuperjuniorà\x80|',

' is the dictionary word for anti-black',

'@user if i cud this 1000x i wud. #blackonblack #ris2016 #antiblackness #dogwhistle #blacklivesmatter #hamzayusuf',

'@user donkey #zionazis proud of murdering real palestinian semitic children - thats what i call #antisemitism ',

"@user if i'd posted your flag logo in 2008 i'd have been called . forced to bake a cake. same for dancers. elitist asses.",

'it does not help when a person comments "i don't like obama, but you're out of line!" like duh mf, you knew you were voting same as ',

'@user trophy. i have always been one. by @user "educate yourself," #womenwednesdayà\x80| ',

'a #dystopian tale of , #radicalisation & #revenge #preorder for #99c/99pà\x80| ',

"@user #fascism doesn't arrive doing a #nazi salut.but in a sharp suit #altright #richardspencer #trumpism #dà\x80|",

'@user and it leads to more violence ',

'how #trump is viewed by women! explained b #michelleobama #womensmarch #women #predatorà\x80| ',

'@user has happened far too often @user',

'happy newyear! #sameshitnewyear #corruption #trump #terrorattack #fundamentalism #violence #isis #crisis #hatred #murder #terrorism',

"'the education of public servants is a critical pa of the path forward..." so true. ',

'only a #bigoted person would tweet me. calling me names for telling the truth. ',

'@user you suppo hrc, who was funded by saudi woman-degrading pigs. you suppo women not driving and covering their face. ',

'the holidays will be better than ever now marijuana unleashed is at ibooks. ',

'you might be a libtard if... #libtard #sjw #liberal #politics ',

'multiple types of racism in america #us #america',

'@user disgusting racist thugs, look forward to him going back to jail ',

"@user @user the correct way it should have been written!!! doesn't matter her profession!!! is clearly still a thing!",

' girl get fuck leg fucking',

"and there you have it folx. the numbers don't lie. #americans are mostly .",

'how the #altright uses & insecurity to lure men into #whitesupremacy ',

'ð\x9f\x8c\x8e @user @user own team up with #new #mc @user & show what #phillysupphilly & combat ',

'#democrat pay has always been the pay of before it was black inferior to whites. now whites are inferior to everybody',

'how far is #europe swinging to the right? - #nyt #libcrib #uniteblue #fascism #trump #fear #ignorance #hate',

'@user why is 4 whores on ring of fire ? #misogyny',

'#aloha and à\x98ºi.\x8f on ð\x9f\x8c\x8f we oppose #fascism and all #warsforoil ',

' sea shepherd suppoers are racist! #antiracism #seashepherd',

'dear #theresamay. #brexit is & lies. #remainers should never unite with leavers. have a shit christmas lady ',

' #nycÀ\xa0 #assault À\xa0#womenonly #forher #2017 #newyears #resolution #womenissuesÀ\xa0- self defense for women course',

'#texas the principal resigned! #justicereform the politicians are corrupt. that means the judges are in... ',

' and destructive socialists #maddow @user ',

'beware the "snowball effect" blackman! pa 2 ',

'you might be a libtard if... #libtard #sjw #liberal #politics ',

'#chepstow, #gwent : police appeal following 2 alleged assaults #wales #cymru',

'@user "the holidays are a violent time for me, and ià\x80\x99ve begun to question the impoance of families.à\x80\x9d#familycircus #chrià\x80| ',

'@user check this out! i mentioned this org to you back in april. founder is a girl from nyc. happy new yeaà\x80| ',

'#christians saying i am not racist is à\x80| enough protest and denounce #retweetà\x80| ',

'check out this flyer for #trump! yay titties! question: do we have to bring our own pussy to grab, or will pussy beà\x80| ',

'you might be a libtard if... #libtard #sjw #liberal #politics ',

'@user you might be a libtard if... #libtard #sjw #liberal #politics ',

'@user dealing with relatives reminding you that "the clock" is ticking? this might help. #childfreeà\x80|',

'we have to do this. need to change profiling, #economicapahied, #hatespeech and get service to the poor.à\x80| ',

'@user .@user what a douchebag. like his dad! #assholes #rapists #pedophiles #evil #satanists ',

'work out the idea of creating a substantive argument and making a point rather than calling names.â\x80' ',
 "and we're happy another year passed! #stop ",
 "ultimately, a #joke from early #2016 that i wish i didn't have to tell. i also wish it didn't do as well as it didâ\x80' ",
 '@user @user sad that there is so much hatred towards jews in eu & xians in me. remember xians of kenya, nigeriaâ\x80' ',
 '@user #feminismiscancer #feminismisterrorism #feminismmukt Bharat why #malevote is ignored @user',
 "lessons to be learned why do we...hate? don't shoot d messenger...just press â\x80\x8aâ\x80\x8aâ\x80\x8a play â\x80\x8bâ\x80\x8b...
 ",
 ' trump #corruptgop @user @user history can not be erased with your money and powerâ\x80' ',
 '10 hours of walking in #nyc as a woman #newyork #women #men #bigots',
 '@user #carlpalladino makes comments about #michelleobama. ',
 '@user #allahsoil when the market crashed in march 2000, greenspan cut interest rates even more â\x80'â\x80' ',
 'new video shows how this guy and how he staed to abuse and humiliated an muslim guyâ\x80' ',
 'launching #politicalmillennial in january! stay tuned for dates!#letstalkabout #climatechange #educationâ\x80' ',
 "@user @user i find the burka offensive because the implication that men can't control themselves on sight of an uncovâ\x80'",
 '@user @user is so typical. could you be anymore ? just look at the hate her feed. you say #notmypresidnet butâ\x80'',
 '@user if you are one of the 64.2 mil #americans who rejected , #bigotry & #hatred fly your flag half mast on jan.â\x80' ',
 "@user check out this post! confession: i'm #america #controversy #equality #kaepernick #nationalaâ\x80'",
 '@user outrageous, #un vote: un voting against #israeli #jewish businesses only in #judea and #samaria blacklistinâ\x80' ',
 'shut up rat ',
 ' in the #gop #deplorable i have seen many "conservative" memes over the last 8 years #notfunny @user ',
 "i wasn't aware facebook was a legislature. ",
 '._@user exemplifies the #swamp draining it #20days #dems #taxpayer thieves #islamicterrorist enablerâ\x80' ',
 '@user you might be a libtard if... #libtard #sjw #liberal #politics ',
 '#alexpascal was #friend of my late daddy and my #music teacher. @user @user @user eu easteuropeans are ',
 '@user #falsenarrative #falseequivalency your comments are reflections of ignorance and ',
 'episode 6 of the guns for everyone #podcast is up. #guns #igmilitia #pewpewlifeâ\x80' ',
 '@user we were talking about obama and your and #bigotry. stay on topic.',
 ' sea shepherd suppoers are racist! #antiracism #seashepherd',
 "@user #obama suppoing #communism+#islam which is another as deadly ideology isn't 'bout #race-only suppoing #nazi=â\x80' ",
 'prison officers goaded #muslim inmates until they needed to be restrained as pa of a game ',
 'speaking of in #science and #medicine... ð\x9f\x98\x92ð\x9f\x98\x92ð\x9f\x98\x92 cc @user ',
 '@user how is the word #love even in your vocabulary? do you know what it means? #notmypresident #resist #2017',
 'icymi: "why 2016 was not a complete washout for anti-racism" by @user #change #antiracism ',
 '*this* is everything the next 4 years will be. #neverump #pussygrabberinchief #idiocracy â\x80' ',
 ' women nude anal anal t girls',
 'porn blue tube office woman ',
 '@user your comments are reflections of total ignorance and absolute ',
 "the @user lady said it's the juniors only area (it wasn't) & i'd be ask to leave if someone complained. then her boss defended her
 ",
 '@user #gtfoh if itz not #crackalogic to malign a black woman abt raising her son instead of arresting the white man who choked him',
 "fo woh, texas, police chief: officer acted 'rude' but not racist in viral video ",
 '@user #allahsoil if the fear mongers become the loudest voices, who knows what could happen. â\x80'â\x80' ',
 '@user @user @user is this a new one? either way, #men disgraced themselves. #harassment #verbalassault',
 'police, check cashing industry, atlanta and profiling black men: #police #checkcashing #atlanta #blackmen #profiling',
 "@user @user i'm defending a woman against condescension. although i saw you tweet that she belongs in the kitchen ",
 'stop these chelski fans. #equality #diversity ',
 "jeff sessions omits decades of records for his ag confirmation hearing @user you can't hide ",
 '@user buffalo parents rally to remove trump ally carl paladino from school board after remarksâ\x80' ',
 '#buffalo school board demanding #resignation after â\x80\x8aâ\x80\x8aâ\x80\x8a remarks made about #obamas #pc #carlpaladino #newyork',
 '@user hey, @user - what is going to be done about this teacher making statements? #malvern #arkansas ',
 '#nigelfarage: "for too many years any criticism of #immigration # or its effects on society have been shut down byâ\x80' ',
 'wants obama to catch mad cow disease after being caught w/herford. dies before trial. buried in cow pasture. ',
 'trumps wall is not about . the coal fired electrical producers need to dispose of #sulfur fly ash stockpiles. ',
 ' will send you to the #trump inauguration~ join today!! ',
 'when the #sisterinlaw gets #frustrated. women have to encounter. #idiots. ',
 'i have to say i love me some @user @user @user even if @user is against #mexicans #lmao',
 '#mccconnell obstruction goes all the way back to when he discovered #obama was black ',
 'so is it offical that #jews are officially in the eyes of the #libtard masses? ',
 'the latest science u can use daily! thanks to @user ',
 '@user diisgusted by the perks offered to passengers of the same race as male crew members on flt 43. vs others who arnt same.',
 'the #truth abt #police & #maga #audiblechannels ',
 'happy new year ',
 '@user nicola sturgeon sends her christmas message surrounded by white children. no brown kids for nationalist nicola. #sâ\x80'',
 '@user india willoughbyâ\x80\x8aâ\x80\x8a entitlement is socialized, not innate sick of revoltingly entitled tws opiâ\x80'',
 '@user anyone claiming #trump ran on a #whitesupremacy platform immediately becomes #fakenews & loses all credibilityâ\x80' ',
 '@user multiple types of racism in america #us #america ',
 '@user you may have good intentions in saying "i don't see color," but you\'re missing the point. #colâ\x80'',
 "i won't waste my time on some sdob that has to plaster color on his profile blm bacon lettuce matters matter on 2 slices of bread",
 'the latest the african american turmoil! thanks to @user @user @user #blm',
 ' will the alt-right promote a new kind of racist genetics? @user #eugenics ',
 'word factory: race denial prevents healing! #southafrica #leadership #transformation #inequality ~9 ',
 'are â\x80' #hispanic & feel like the are stomping on you? listen #retweet #boricuaâ\x80' ',
 '@user chaplin - the dictator speech via @user #theresistance #resistance #resist #maga #altright #raâ\x80'',
 '#sikh #temple vandalised in in #calgary, #wso condemns act ',
 "excellent idea! dig deep & hang 'em high! #treason #aidingenemies #fraud #coverups #benghazi #extoion17 â\x80' ',
 "@user it's clear y'all had no good reason to hand the keys over to a goon. but yet... ",

'@user again @user looks like a damned fool! for 50 years the usa has openly opposed settlement buliding by #israel! @user',
 '@user @user thank you mr. president obama. the light that revealed darkness in we the people of the usa. we are stronger.',
 '@user this should have been enough 2 just say no #notmypres #wtf2016 #neverump #unpresidented #bigot à\x80' ',
 'the bearà\x80\x99s rapacious hunger for oil also sealed its doom. à\x80' #allahsoil #teambtsà\x80' ',
 '#carl #paladino says #michelle #obama should #live with a #gorilla #resign #resignation #stop - ',
 '@user .@user gives white nationalist troll a platform to spread his hate. won't be reading/buying any of their booà\x80! "',
 '"black lives matter #blm except for mine apparently" have the patience 2 watch this all the way through #jo',
 'the stupidity of the alcoholic #wiunion hags is the stuff of legend ',
 "#people aren't protesting #trump because a #republican won-they do so because trump has fuhered &à\x80' ",
 '@user 2017 à\x80\x93 make fakequity great(er) again via @user #racialequity ',
 "@user your definition of subtle doesn't count. use the english dictionary definition. otherwise you risk slander.",
 '@user @user piece of shit, #hrc emails r nothing compared 2 u! apologize for spew against @user #pig',
 "@user who the hell is juan to decide if kellyann can raise her kids and work? we've been doing it for years! can't standà\x80' ",
 '#trump hooked the healand by validating their #adultery #incest #pedophilia #bigotry #hate #deceit #maga #notmypresident',
 ' video men and womenmalayalam girl with dreads porn video ',
 '@user #crybully #snowflakes wanna talk about &#or #diversity? but read brief honesty of @user editor @user ',
 'dear politicians &# media this jind insident is not but a matter of #humanrights &# safety of women in india ',
 "here's a ?for the day the government and states county's etc. can #ban smoking, #saying ceain words , #clothing in schools ...so ?",
 '@user #allahsoil we should never equate culture with exclusive geographic boundaries à\x80' à\x80' ',
 '#whitenationalist leader reveals 5 of his most horrifying hopes for america ',
 '@user win with dignity you chauvinist pig. #notmypresident #fucktrump #lostpopularvote #americadoesntwantyou #bigot',
 'new york bistro faces shocking accusations: hosts hid minorities at cramped tables à\x80\x93out of sightà\x80\x93 ',
 '"your people" would have all died of scurvy their first winter if the first nations hadn't shown them a cute.à\x80' ',
 'chaplin - the dictator speech via @user #theresistance #resistance #resist #maga #altright #dts #trump',
 'how was first officially codified in 15th-century #spain ',
 'why do all "#liberals" look the same? i mean i know that i\'m being for saying this but cmon! ps. where do ià\x80' ',
 'was just cussed out &# called a racist on fb over "work attire" thread yep. my comment was dreads wouldnt be safe in ceain jobs. à\x80\x84',
 "@user it's not just lasses... ",
 '@user good job on reducing a talented performer to her physical "assets," you #misogynist douchewaffle. @user',
 'precisely why the deplorables are up in arms ',
 "#lgbti #poc need to speak up against the that's rife within the #lgbti community! it's unacceptableà\x80' ",
 'nothing would be more dangerous than to give #putinschoice the impression we accept #stopracism #boycott?à\x80' ',
 "@user __luicalibre__'s video a close fiends dad died on 911",
 '@user it\'s hard to believe i live in a world where my 700 pa hillary thread isn't trending but "tony hawk" is. à\x80' ',
 'fuck #xenophobia and ! drink arabian spiced coffee, and eat berberian spiced food! #rainbow #diversity onlyà\x80' ',
 '@user this thread is the fully bomb. racism is the most effective weapon of white supremacy. it has no i test in being dià\x80' ',
 "#trump's allies r unstoppable! #obama via @user #christmaseve",
 "great aicle of truth about #trc needs. comments back up why it's needed. #indigenous - via @user ",
 '@user black professor makes assumptions about an entire race whilst speaking for entire race. next week the jews! #nazi',
 '@user if you are one of the 64.2 mil #americans who rejected , #bigotry &# hatred fly your flag half mast on jan.à\x80' ',
 'researchers: most effective way to fight requires white people calling out white -s #altright',
 'it was an error on my pa i agree. she was an exceptional performer, i was thrown off by an something inconsequenà\x80' ',
 '@user i decided to become a #feminist beginning 1/1/17. if any feminists are reading plz help to find educational materials.à\x80' ',
 '2016 was the year white liberals realized how unjust, , and sexist america is ',
 'why only target little #muslim children for mispronouncing "terraced house" &# treat them like criminals!à\x80' ',
 'wen will south choose dark south heroines. kajal tamanna amy wtf?? ',
 'he should turn in his resignation. ',
 '#feminism and #equality helps #everyone it helps #men and #women hus everyone everywhere',
 "bout to spend new year's eve playing the game lol ",
 "my family's horrible attack at #thegreenpalmcottage in #plettenburgbay #westerncape thyini thiza! we want tà\x80' ",
 'her not working with trump should be a good thing ',
 '@user @user you can go ahead &# change your profile pic. hepburn was an ambassador to unicef &# your ignorance would haveà\x80' ',
 '@user #truth from @user @user about @user #malevote ',
 'these #conservative white boys (yea calling you #punks boy like you did/do us) like @user @user etc annoy me!',
 '" in the workplace &# family responsibilities add to pressure as they face unequal pay &# lack of suppo" ',
 '@user stop perpetuating false racism and leftist subversive politically correct propaganda. america is not racist! wà\x80' ',
 '@user trump lackey carl palladino is th get of a mating betwn a pig &# a hyena &# iq of a slug. apologies to all pigs, hyeà\x80' ',
 '@user you don't think w will share guarani aquifer water w those who humiliated little brother, @user ',
 "@user says he's ashamed of things he's done but continues to make shameful remarks to women #hypocrîteà\x80' ",
 ' peruvian women nds adult game',
 '@user your comments are reflections of ignorance and @user @user @user',
 'i think his the worst in everything, his hatred towards our country was too much #bluelivesmatter ',
 'keep in mind @user is totally not , but all whites are dumb.... ',
 'greek girls having ana sex black girl porn ',
 '#allahsoil à\x80\x93cwe the peopleà\x80\x93d originally meant à\x80\x93cwe the white, landholding males.à\x80\x93d à\x80' à\x80' ',
 '#manipur #ndtv #timenow #samachar #zeenews #dordarshan #genocide what would be the reaction of the... ',
 'this is beyond upsetting. i was one of her biggest fans. #whitepeople #hawaii #jlaw #disrespect',
 "@user ik right some other racist makes a meme &# they swear it's proof, what happened to #fakenews #fakenewsmedia à\x80' ",
 'if reginald mcfadden had face to face interviews about being #returningcitizens then commutations would be possibleà\x80' ',
 'kevin macdonald: ethnocentrism is normal and rational #race #ethnocentrism @user #altright #pegida',
 '@user reading 4 the next american #revolution | #race #intersectionality #language #politics #educationà\x80' ',
 'j.c penney employee holds customer in headlock wow and they havent responded! #corporatebs #boycottjcpenny',
 'peace out fucku2016: 2017 wonà\x80\x93t be better unless we loudly fight #corruption #xenophobia #islamophobia #homophobia #resist',
 '#trump ally made remarks towards obamas - dec 24 @ 9:52 am et ',

"i don't even know what is/isn't anymore. ",

'@user @user have the balls to it and expose me as a racist. ',

'@user @user @user typical lying #leftist! thats slander of a grp! #christians dont kill 4 #christianity!',

'paul below: is still an issue at varying levels in belgian football @user by #adamitv via @user',

'@user itâ\x80\x99s official: hate breeds hate #prejudice #parenting ',

'@user that whole #russia #trump #tiesto , #whiteamerica too stupid,to realise that a young progressive country,is #gop #communism,',

'@user .@user @user tragic 4 white americans that prompts so many 2 vote 4 candidates who will slash their owâ\x80',

'how will society overcome ? is it possible to end racism? it happens one person at a time. #spirituality ',

'@user @user in atlanta the mayor & police force allow s to rule the city block roads & freeways w/o action',

'@user you might be a libtard if... #libtard #sjw #liberal #politics ',

'@user #allahsoil we should not conflate islamic extremism with terrorism â\x80' #emiratis #2016in4wordâ\x80',

'@user the latest the knitting clio daily! thanks to @user @user @user #twitteâ\x80',

'@user #allahsoil lehman brothers went belly-up in september 2008 â\x80' #2016in4words #islamâ\x80',

'@user trump campaign official wants michelle obama to be â\x80\x98let looseâ\x80\x99 to live with african apes #notmypresident ',

'i have been open about hvg #fibromyalgia & being a #survivor of years #childrape, more than one rapist. is still my chief complain t.',

'@user @user only #ass #hole is u in your #head #big hole= #no #brain #hea #love #truth #kindness #peace #compassâ\x80',

'i despise . in that hatred of racism, it causes me, and many other black people inâ\x80',

'are â\x80' #black & feel like the are stomping on you? listen #retweet #tampa #miamiâ\x80',

'suspected henrico vandal's mother: 'my son isn't racist' ",

'mean, cruel #talkradio hosts like @user make it impossible 4 person of color like me 2 feel american.',

"@user @user can't wait to see u & your admin hang for #treason #trump #makeamericagreatagain â\x80' ",

'@user what is your problem? ',

'everyday life for a white south african. ',

'@user at work: attorneys for white officer who shot #philandocastile remove black judge from presiding over trial. htâ\x80',

"trumpâ\x80\x99s odd nye tweet to â\x80\x98enemiesâ\x80\x99 #trump 'the odd man out' #economy #hype self serving #fool #idiot ",

'thought factory: bbc neutrality on right wing fascism #politics #media #blm #brexit #trump #leadership &4 ',

' so deep @user @user @user need2know. if clintons r eating brown bread drinkdark milkâ\x80',

'are you #black & feel like the are stomping â\x80' you? listen #retweet #tampa #miamiâ\x80',

'@user evolution's got a serious public relations problem, even among the well-educated. we need to de-stigmatize the factâ\x80',

'freaking nasty rotten people #whitelavars monsters release domâ\x80'nic now #whiteslavery #venezuela you are going to pay. let her free',

'are you #hispanic .. feel like the are stomping on you? listen #retweet #boricuaâ\x80',

'@user @user if ur employees r going to say merry christmas to white people, please teach them to say it to the brown people tooâ\x80',

'@user you might be a libtard if... #libtard #sjw #liberal #politics ',

'ð\x9f\x8c\x8e @user @user own team up with #new #mc @user & show what #phillysuppophilly & combat ',

"but! i'm also correct whom our enemies are, and whom to ally with; to rid ourselves of , and join together in what we have in common",

"@user ð\x9f\x980the white establishment can't have blk folx running around loving themselves and promoting our greatness ",

'indianapolis colts black cheerleader hugs boy who used slur. so. much. class ',

' sea shepherd suppoers are racist! #antiracism #seashepherd',

"#rupemurdoch's , @user empire is growing. many people are employed by him. and whoever pays the bills is the #master!!!ð\x9f\x90\x8d",

'@user you might be a libtard if... #libtard #sjw #liberal #politics ',

'@user from emojis to the inexistence reverse via .@user .@user',

'this woman needs to be arrested and prosecuted for encouraging rape of another race #depoation ',

'how is it that a man comes in last in a race but he is declared a winner? #putinschoice #putinspuppet #retweetâ\x80',

@user french try to #stone & #kill indians in #quebec! #criminal @user @user',

"holiday fun, socially relevant! #podcast celebrates '70 bewitched xmas ep ",

'#nazi #swastika #ebay! #trump #donaldrump #republic#whitepower ',

'this idiot makes my blood boil! #pig #liar ',

'please, just stop. ',

"why is it forbidden to write '2 blacks' on a restaurant bill but ok to wear a t shi saying 'kill all whites'? #dzange #capetown ",

'movie-mad indians challenged to rewrite sexist bollywood songs #movie #indians #challenged #rewrite â\x80'â\x80',

' in #trumpsamerica #feeling #empowerd ð\x9f\x91\x8eð\x9f\x98- #fowoh mother after arrest; via @user',

'#aturday. if you truly stand for equality then none of these can be acceptable. â\x80',

'the countdown till these assholes are gone obama and moron creepy uncle joe! bye bye scum!ð\x9f\x98\x82ð\x9f\x91\x8dð\x9f\x8f%',

@user #thanks to all those #dead #white #dudes from #europe. ain't a #nigga in da #list. blm #rapechucktoddâ\x80',

"like to know why you can't buy pot at the local drug store? marijuana unleashed at ibooks. â\x80',

'@user man, sees me wearing manchester united hoodie: are you a fan? me: yes! man: are you sure? do you even know one player?â\x80',

'no liberal believes that. we are the pay of inclusivity who believes in equality for all, anywhere. you are a traâ\x80',

'@user never be content to sit back and watch as others' rights are trampled upon. your rights could be next. #iqg #â\x80',

'will the alt-right promote a new kind of genetics? mt @user ',

"#people aren't protesting #trump because a #republican won-they do so because trump has fuhered &â\x80',

'@user #allahsoil the cold war was also fought over oil. #teambts #teamsuperjunior ',

'#bluelivesmatter #woke #manspreading is okay #ifyourenotwhiteyourenotracist',

' sea shepherd suppoers are racist! #seashepherd #antiracism',

'a look at the repug GOP pay #bigots at ',

"@user all women's facility or program = cool! empowering! all men's facility or program = gay or misogynistic. #doublestanâ\x80",

"damn she's bold #kentucky #jcpenny #mexicans #bitchesbelike ",

"so when is your next klan meeting?! my wife isn't white & i'm proud of her & our love. we are each others gift fromâ\x80',

'cleveland police union overwhelmingly endorses trump for president #cleveland #ohio 75% of cops are #white <<',

'@user this sums up why i voted for #brexit; not or #litttleenglander syndrome but sovereignty and democracy ',

'#mustread #education against & #stereotypes @user @user @user @user @user @user ',

' #bigot carl paladino, @user ally, wishes obama dead of mad cow disease in â\x80\x9917 #trumpproofamerica',

'#sikh #temple vandalised in in #calgary, #wso condemns act ',

'@user tell that jeffery beauregard @user to quit foolin' around and come pick up his hood & sheets for saturdayâ\x80',

"wahhhh!!!! white ppl arent allowed to do this!!! ð\x9f\x98\x82ð\x9f\x98\x82ð\x9f\x98\x82. fuck you rich. we don't care ð\x9f\x96\x995 ",

'@user please don't forget to use the word ! that is what "binds" these men. we can never ignore or excuse thatâ\x80' ,
 'makes me sick that 4 ovr 25 yrs idolized george bailey but 2016 #uspoli choose #potter / #greed / #lies #misogyny/ learned 0 #fail',
 "don't let the #bigot skate on his true record of ! ",
 'thought factory: left-right polarisation! #trump #uselections2016 #leadership #politics #brexit #blm +8 ',
 'when the waiter asks @user if he wants to eat the plate aswell... ',
 '. . #climatechange denial. #fascism. #antiegaltarianism. #narcissism. #trump. ',
 "atk porn pics representations of women in men's alcohol ads ",
 "@user 3 #miami officers fired over target practice 'jokes' #policebrutality #newswithed ",
 "@user did you vote for this animal #trump's america: no fat chicks @user ",
 'check out this flyer for #trump! yay titties! question: do we have to bring my own pussy to grab, or will pussy beâ\x80' ,
 '.@user @user while @user can use phrases like #sandniggers is acceptable 2 ya, hm u isâ\x80' ,
 'i know #uskkk, gb #msm #media & @user who\'s less racist than @user #crazybengiefbbs: i\'m a wog or should i say "nut"',
 'ð\x9f\x8c\x8e @user @user own team up with #new #mc @user & show what #phillysupphilly & combat ',
 "fantastic video on #buzzfeed's hate of men. #manhate",
 'what makes me please let me know!! ',
 'shot to racism. #shot #disparo #trompas #trumpas #migitorio #entreteiment ',
 ' #hatecrime against #sikh community in #calgary',
 '#patriotwatch: 1.48 projection #auspol #rwnj #upf s #cult #cultism #projection #springst #straya',
 " and #misogyny is alive and well on the #left. never let them tell you it isn't. ",
 "i'm not a lady, bc i have a voice, opinion and i'm not scared to speak my mind! wait.. isn't that & againstâ\x80' ,
 'are you #hispanic .. feel like the are stomping on you? listen #retweet #boricuaâ\x80' ,
 "@user i've had 9.5 years of mostly #arrogant #abusive #discriminating & even #dutch #drs'... just leave me to die!",
 '.@user ends 2016 with a hopeful message against in the music industry via @user',
 "#nigger #pattismith book?? wtf, that's reich? ",
 '@user #in2017iwantto work at seeing, naming and dismantling my own, others and systems , #whiteprivilege, #privilege. #whiteâ\x80'',
 'two bots one girl @user @user @user #tcot #p2 #feminism #sjw #sjwlogic',
 '#2017 scatter #joy!â\x84\$ may we bless&keep shine upon be gracious look kindly toward one another. let us all #love as â\x80' ,
 '@user #deafed community: look at #rethinkdiscipline. #ableism #audism #stpp #massincarceration #deafinprison #decriminalizâ\x80'',
 'no liberal believes that. we are the pay of inclusivity who believes in equality for all, anywhere. you are trainâ\x80' ,
 'is an 83 year old man still young enough to teach him about sexism and what not to say about women? #help',
 '@user whining "women have it so much harder than men, cause ." @user ',
 '@user @user carl palladino unfit to be on buffalo school board. #resign',
 'council staff have been instructed by the anc to go slow and make the da look bad. this was exposed a few weeks ago. ',
 'emma stone on hollywood : "they've given my jokes away to male co-stars" viaâ\x80' ,
 '@user your comments are reflections of ignorance and @user @user @user @user @user',
 "clearly just humour. attempt by #liberal media to undermine #trump. #racebaiting won't work. trump is not a . ",
 '@user @user less #jacobmarley more #potter seems in end evil #misogynist #narrow a hole wins george bailey= #epicâ\x80'',
 'nick cannon speaks out against the systemic of @user via @user #alllivesmatter #unbornlivesmatter',
 'have we ever had peotus willing to complain abt his defeated opponent & pay well after election over, and to do sâ\x80' ,
 '#newyearseve factophobia ale with people in 2017 who use following words: #islamophobia #feminism #culturalenrichment',
 "caroline is a #race-baiting --& @user &-- hating on #trump's wife @user @user @user ",
 '@user @user @user congrats, tucker, you came off exactly as you are. #childish #paisanhack',
 '@user @user those opposed to #negligence #hatred #injustice #climatecrimes #ecocide will let #trump know our agenda #2017',
 '@user if i ever met him i would drop that pos right where he stood! @user is nothing but a #crapsac ',
 'and how do jews plan on doing the work of god without god? matthew 1:23 "...and they will call him immanuelâ\x80' ,
 '@user #jcpenny #ranting so, no one, no one, in line said anything... silence is complicity in racism. speak up peâ\x80' ,
 "i can't believe that they don't show blazing saddles on tv any more just because the lead actor is a black man... that's ",
 "@user @user is mexican a language? dude it's obvious you back trump. he said he loves the uneducated. #bigot #trumpworld",
 'happy new year white people elected a president who treats women like crap and a biher disrespectful kkk suppoed white devil.',
 "i'm not a but @user is the #truth #reality",
 "@user i can't believe you keep a like @user as your spokesperson. what a loser company you are.",
 'white fragility: why itâ\x80'x99s so hard to talk to white people about : ',
 '@user ð\x9f\x94 "the deafening silence from anti-racist activists regarding in porn is hard to comprehend." @user httâ\x80'',
 "@user tonight in #cologne. proudly presented by government, police + media! it's a big staging going on there!",
 'this! #cambersands deaths on victims\' "culture" by council what about paying #lifeguards, maybe? #wow ',
 '@user more #marxist evil jew #propoganda! why is it jew controlled media has never and never will cite any non white grouâ\x80' ,
 '@user #allahsoil like all religions, islam is a strong unifying force. â\x80' â\x80' #teambtsâ\x80' ,
 '#mustread #education against & #stereotypes @user @user @user @user @user ',
 'ouuh fuck it! @user @user @user @user #bustymilf @user @user ',
 'you might be a libtard if... #libtard #sjw #liberal #politics ',
 'here\'s how to combat violent extremism in 2017. "the white nationalist who came to dinner" ',
 'pathetic fallacy? infantile ? just in case anyone wondered whether @user had a brain we have prooâ\x80' ,
 '#michelleobama is the most hated women in america today! get your facts straight @user ! her and her #oprah',
 "@user why do refer to everyone else as racist. simple, they're projecting their intolerance. ",
 "@user white people got nothing to do with this nigga. it's just one sick, horrible person, sadly all youâ\x80' ",
 'dear @user you are a asshole. please go fuck yourself. ',
 '@user more propaganda from #palestine - this time videos on "how to properly stab a jew" #standwithisrael ',
 '#mizzou: body cam reveals black students threatening white frat boys... ',
 '@user #allahsoil vps got multi-million dollar bonuses while average americans lost their homes. ',
 "@user no it doesn't, germans, even fascists rape too. so how should help? @user @user",
 '@user 2016 - the year in ',
 '@user you might be a libtard if... #libtard #sjw #liberal #politics ',
 "#rohingya muslims toured by officials ð\x9f\x98\$ #myanmar's .@user and her rulâ\x80' ,
 '@user @user @user why? it's gonna suck - no one wants anything to do with this shitfest #rapist #trumpuniversity ',
 "@user pastor maimane won't respond to that,zille is his boss and she literally made him.he will kiss his job goodbye shouâ\x80' ,
 '@user just asking....oh and of course black people can be racist. that belief in itself is superior and by definition is .',

'@user you win douchelord #2 of the year. good work. #dickhole #douchebag #asshole #yousuck #mysoginist #bigot #fear',

'@user #allahsoil stones and humans are different, but to gravity thereâ\x80\x99s no difference. #emâ\x80\x99',

'@user racial profiling by @user in cologne. such disgusting... ',

'@user @user lock the gate! #pamgelleheracist #mmiw #mmiwg',

'@user engagement to a white . after he calls her a nig\$a, it will be over! @user #subhuman ',

'(only) black lives matter also closely affiliated with and suppoed by workers world pay and other communist orgâ\x80\x99 ',

"fuck off, we're full. #outrage @user",

'@user #blacklivesmatter #aryanbrotherhood ##kkk #whiterace #alexjones #jews > ',

"who had that 4 #blackpeople beat up a #whiteperson so isn't that ? no, 3 bp might make it 2 cou alive but serve life somehow. vs..",

'this really is some lovely company you have there, petous and @user well done. #antisemitism #misogyny',

'@user how does it feel to be most hated potus ever? #crookedtrump #traitor #notamericaschoice #bigot ',

'@user twitter is full of vile #altright #homophobic #theistic #trolls but man does it give me the juice to #fightlikeagirlâ\x80\x99',

'critics threaten boycotts of simon & schuster over milo yiannopoulos book deal | the huffington post ',

'president #woodrowwilson held a private screening of d.w. griffith's "bih of a nation" #history #13th',

'#allahsoil like all religions, islam can be a strong unifying force. #teambtsâ\x80\x99 ',

'stuakenyon81 #cover #reveal! swiftly sharpens the fang , #radicalisation & #revenge eevalancaster ',

'note for those who call #wn for opposing the latest @user ad: damn right we are! get that filth off the net, you race-traitors-',

"nigger?" #lifelessons of white kid growing up in the 60's. #bloggersblast #respect ',

"yoyas market in deming nm did not sell beer to me because i'm white they said they were closed then a hispanic walked in n they sold ",

'are you #black & feel like â\x80\x99 are stomping on you? listen #retweet #tampa #miamiâ\x80\x99 ',

'the latest the liveleap bonus daily! thanks to @user @user @user #amandanunes ',

'you might be a libtard if... #libtard #sjw #liberal #politics ',

'you might be a libtard if... #libtard #sjw #liberal #politics ',

'the scars left by us waime camps mt @user ',

'@user #preorder live! #99c/99p swiftly sharpens the fang #dystopian tale of â\x80\x99 ',

'book - enduring conviction: fred korematsu & his quest for #justice #humanrights htâ\x80\x99 ',

"come in, @user =fraud & documented #liar lost base after calling them #nazis #brownshi he's pivoâ\x80\x99 ",

'@user you might be a libtard if... #libtard #sjw #liberal #politics ',

"@user all happy for Å" #lgbtfamily, but what i don't get is the incessant but thin veiled against other gay minorities?",

'he graduated from #usa & his friends wanted him 2 forget his rector against #islam ',

"@user this is what #ladies like... lol wtf is this? this is why you all let a get in the white house. you're all a shame.",

'aptly named... we have whitesboro in ny with its ndn killing town seal, and whiteland with its mascot ',

'@user so is it offical that #jews are officially in the eyes of the #libtard masses? ',

'any other striker in the league did the same wouldnt have been disallowd #munmid ',

' video men and women malayalees xxx picturebangladeshi',

'@user @user more americans hate him ',

'@user â\x80\x99cdo asians need higher test scores? is it harder for #asians to get into college? the answer is yes,â\x80\x99d ',

"'ebonics": pa of huge con-job blacks & liberals have been running on america for decades. is actually lack of lanâ\x80\x99 ',

'@user #allahsoil the bearâ\x80\x99s rapacious hunger for oil also sealed its doom. â\x80\x99 #teambts #teamsuperjuniorâ\x80\x99',

'anyone who thinks asian fetishes are "harmless" needs to read this. #objectification ',

'seriously lede. come on, @user you can do better. ',

'@user the truth about #sexualharassment & #laborviolations @user ',

"@user #libtard #regressive=. can't effo a logic point w/out #insults or #slurs especially if #refuted. that's whâ\x80\x99 ",

'@user my story: how #race and have played a role in my life - ',

'hello there sweetie! ð\x9f\x98\x83 i will be glad to see you here ï.\x8fð\x9f\x91\x89 ',

'are you #black & feel like the are â\x80\x99 on you? listen #retweet #tampa #miami #newyorkâ\x80\x99 ',

"'racism w/out races': classifying humans into races the biggest mistake in history of science. raceâ\x80\x99 ",

'one thing i agree with evan on #gop are #liars #cheaters ',

'#carlpaladino the #trump #official #underfire for #obama #remarks ',

'this is a completely justified call out on my comment. again i do apologize @user ',

'racist old woman is america oldwoman ',

'@user #feminismiscancer #feminismisterrorism #feminismmuktbarat why #malevote is ignored @user',

"racism is a manmade tool to say we're different when we really aren't #equality ",

'#sikh #temple vandalised in in #calgary, #wso condemns act ',

'@user kinda digged the white chick tho thought she was gonna win but guess #sarcastic',

'uk 2016: where it fell to pop star @user to do the job of the #bbc #euref #brexit #media ',

'as a student in 89/90 in a #gay bar i stood next to a white man who said "i don\'t do pakis" #jeremyjoseph #lgbt',

'the anc never prosecute that type of offences against white people. just listen to zuma and malema and you know why. ',

'@user bullshit, he was thrown out for being a muslim ',

'@user obama joins the jackals ð\x9f\x94 ass america will miss obama, when they realize trump will do nothing for them. #trumpisâ\x80\x99',

'@user @user @user haha i get it ',

'@user #resign #bigot ! #sandyhook tears ',

'@user so far all the blog comments claim senad lulic statement wasn't racist. join the debate. #lazioâ\x80\x99',

'@user #allahsoil muslims arenâ\x80\x99t the only ones being displaced by uncle sam â\x80\x99 â\x80\x99 #2016in4wordsâ\x80\x99 ',

'next attack wont be in japan. guaranteed. #smaimmigration #zeroattacks #istanbul #religionofpeace #reliability',

'#economicsanctions on #russia, #cuba and #china, but none against #whiteprivilege or #whitesupremacy or #2017 #roughwaters',

'we cannot address issues of fair trade or fresh h20 with so much violence. better 2017?npr: @user ',

'@user .@user just delete your account, shallow , and go away. @user',

'@user here comes a #supermistict douchebag who can only poke his nose as sme of all. #burninhell',

"@user i noticed too. definitions of #bullying, , and #disabilities are trying to be changed so people don't hv to. httâ\x80\x99",

'@user @user @user @user classic ! yet you jewish bastards wonder why you are sooo hated in the world.',

"'the dying of the light" village green/townÃ² #antisemitism #hocoschools #columbiand #hocomd',

'@user @user you're the one who should be leaving this eah, you piece of shit!",

'directly applicable to trump. ',

"the left don't know how to do anything right, including insulting. #leftist #snowflake #happyholidaysâ\x80\x99 ",

"huh i wonder why?ð\x9f\x98" could it be that he's a well documented #tyrant #bigot #elitist #crook ? @user ",

"#donaldtrump's #ny campaign co-chair #carlpaladino unleashes on the #obamas in 2017 wish list | mic ",

'@user #allahsoil the odds of dying from extremist violence are roughly one in 400,000. #emiratisà\x80|',

'@user in chief- the gangs all here #hillaryclinton #obama #soros more #caoons at ',

'#government #left is against #womensrighttochoose a #drink #feminism #hillary #trump #discrimination #obama',

'expressions of , #misandry, #misogyny (ie #power) are pa of all marginalized groups, who live w/ fear. ',

"university of wisconsin-madison won't cancel racially biased 'problem of whiteness' course ",

'both & #dumb #pelosi ',

'#sikh #temple vandalised in in #calgary, #wso condemns act ',

'#kindledeals ð\x9f\x93; publishing industry tell-all! ð\x9f\x93; just \$3.99! #bookpublishing #publishing #kindle #kindledeals ',

'#christians saying i am not racist is not à\x80| protest and denounce #retweetà\x80| ',

'the latest the blicqerà\x84\$ daily! thanks to @user @user @user #ad',

'@user suck it, haters! #hillary voters hate/fear this, #trump voters love/know this. who is the ? ',

'#microsoft #twitterbot turns into a raging sexist, and genocide-defender. #ai #tech ',

'the latest the all in one news24 daily! thanks to @user @user @user #africa ',

'carl paladino, trump ally, wishes obama dead of mad cow disease in à\x80\x9917 ',

'are you #black & feel like à\x80| are stomping on you? listen #retweet #tampa #miamià\x80| ',

'why is it christmas eve? why not christmas adam? ',

'@user #pos take that painting down asshole! fucking chump',

'#trump is guilty of treason ! we #theresistance must #resist #hate naked raygun treason @user',

'the latest #socialmoooc! thanks to @user @user @user #feliz2017 ',

'@user reject news - my latest #amwriting aicle on @user',

'@user are you seriously considering a performance at the inauguration of a #lying #misogynistà\x80| ',

'are you #black & feel like the à\x80| stomping on you? listen #retweet #tampa #miamià\x80| ',

'@user #allahsoil the problem isnà\x80\x99t that everyone believes this caoonish rendition of the facts à\x80| #racisà\x80|',

'all the snowpeople in this movie are white. ',

'when lauren duca says that @user looks like she smells like vanilla, she means white. @user rocks! à\x9dà\x9dà\x9dhis tenacity',

'pure today in #cologne. everybody looking arabic is kettled, female friends had to leave for better pics of media. presented by gov',

'excellent! rambling about: the alt right #tcot #tlot #altright #blacklivesmatter (@user ð\x9f\x91\x8d',

'@user #patriotwatch: 1.48 projection #auspol #rwnj #upf s #cult #cultism #projection #springstà\x80|',

'@user you might be a libtard if... #libtard #sjw #liberal #politics ',

'are you #hispanic & feel like the are à\x80| on you? listen #retweet #boricua #miamià\x80| ',

'@user this is really telling. #microaggressions #race #whiteprivilege #antiblackness',

'@user nothing #human about @user #cruel #bitter #sociopathic the soul has fled the #fugly #lunatic. ',

'live the c.o.w.s ð\x9f\x8e\x99i.\x8f compensatory call-in or 641.715.3640 code: 564943# iswarà\x80| ',

'what in the fuck is this? #presidentpusygrabber #notmypresident #tinyhands #putinpuppet ',

'@user #allahsoil the media distos the threat of islamic extremism. à\x80| #emiratisà\x80| ',

'@user #allahsoil the more familiar we become, the more difficult it is to stereotype. . à\x80| #emiratià\x80|',

'@user @user is this a new one? either way, #men disgraced themselves. #harassment #verbalassault',

'@user @user hey you #unless piece of #garbage , obama will always be more of a #man than you ever will #hillbilly',

'@user #sikh #temple vandalised in in #calgary, #wso condemns act ',

'intolerant post-brexite britain: history shows we can be better than this | #brexit #hatecrime #nationalism ',

'@user this is awful! just slap on the face to #americans hey my neighbor black just bought a \$700,000 house. we r soà\x80| ',

"@user don't hire @user @user @user @user graduates. they're taught & #genocide.",

'how dare you accurately poray #treasonoustrump china? next they'll say he's a #fascist, lapdog for putin.à\x80| ',

'exes explain the best way to deal with friends & family. ',

'the historian whitewashing ukraineà\x80\x99s past #ukraine #volodymyrviatrovych #history #whitewashing #jews #nazis',

'@user has your body, the bodies of your generations, been the sites of fear, repulsion, violent desire,hated? #ableismà\x80| ',

'@user sickening, but very impoant, reading ',

'woman catcalled walking in #newyork shuts down harassers in best way ever #harassment #ny #manhattan',

'if krakow is so beautiful then go & stay there, & let us build our #love & #peace here uk. i have east european #relatives. @user',

"#maga #maga3x this #moron who tweeted this sewage below doesn't understand why he and #hillarylost.à\x80| ",

'why do the most wise words often come from black americans? is it just a reaction of ? #denzelwashington #morganfreeman #willsmith',

'@user go fuck yourself richie. we like it and it's not going anywhere! ð\x9f\x97 ',

"the idiocy of feminism. they actually think microaggressions matter. here's the proof: ",

"'kevin didnà\x80\x99t understand what heà\x80\x99d done, but he knew heà\x80\x99d fucked up.'" #bestof2016 by @user #marriage ',

"st. mark's cathedral: 'we will name racism, anti-semitism, xenophobia as sins' - komo news ",

' people spit on the face of #god ',

' sea shepherd suppoers are racist! #seashepherd #antiracism',

"à\x9ajì.\x8f à\x80\x9ccharles paladino's racist comments spark calls for resignationà\x80\x9d ",

'you might be a libtard if... #libtard #sjw #liberal #politics ',

' in ufc pay: amanda nunes (@user who was & still is the champ whopped ronda rousey but less of a payday - \$3 mil to \$100k',

'@user #allahsoil there is no correlation between the religion of islam and violence. à\x80|à\x80| ',

'@user what does #mtv have against #whitepeople? #ccot via @user',

'welcome 2017 touches new heights! ',

'confessions of former neo-#confederate. #audiblechannels #us #history #slavery #southern #truth',

'man st.louis racist than a muthafucka. #stlouis #stl ',

'@user #allahsoil reagan convinced ksa to flood the market and drive oil prices to historic lows. ',

"!!! no-balls to 'own' his ... 'coward' !!! /// ",

'@user #allahsoil enlightenment is wasted on the wilfully blind. à\x80| #emiratisà\x80| ',

' boob naked assault ',

' black women demonic porn',

'@user dear @user @user @user would you please ask these shameless @user @user giveà\x80| ',

'@user #allahsoil greenspanà\x80\x99s policies are now largely blamed for the mogage crisis. à\x80| à\x80|à\x80| ',

"'nigger?" #lifelessons of a white kid who grew up in the 60's. #blogpost #whitepeople #respectà\x80| ',

'@user council staff have been instructed by the anc to go slow and make the da look bad. this was exposed a few weeks ago. ',

'@user @user #potus is attempting to sabotage or country in his final days, #israel #obamacare #isis #energy #russia ',

'read and understand how berniebros chose sanders over hillary ',

"ð\x9f\x98" now, that's not nice! we're urging president-elect @user to denounce through his #twitter acctâ\x80' ",

@user would you want your child to attend this school? i wouldn't. #radical #indoctrination",

'b4 sm we didnt hear this latent every single day.. ',

'are â\x80' #black & feel like the are stomping on you? listen #retweet #tampa #miamiâ\x80' ',

'trump, brexit based on misconceptions about race and nationality, says renowned philosopher | cbc radio ',

'@user #allahsoil police kill a substantially larger number of whites every year than they do blacks. #racâ\x80'',

'the bearâ\x80\x99s rapacious hunger for oil also sealed its doom. â\x80' #allahsoil #teambsâ\x80' ',

'are â\x80' #black & feel like the are stomping on you? listen #retweet #tampa #miamiâ\x80' ',

'i really should have gotten more credit for this one. #maga #trump #quotes #quote #potus #news #mediaâ\x80' ',

'@user #feminismiscancer #feminismisterrorism #feminismmuktbarat why #malevote is ignored @user',

'@user new video! @user #whitepeople #kanyewest #racewarchess! wanna see the worst shâ\x80' ',

'@user and in a not so stunning response plan to nominate #muslimbrotherhood member @user to lead their pay.',

"holiday fun, socially relevant! #podcast celebrates '70 bewitched xmas ep ",

'@user #notmypresident not ever #misogynistic #traitor #theresistance #putinsbitch ',

"@user #goodes #bolt it's not the job of those who are disadvantaged by white privilege to calmly educate white people aboutâ\x80'",

"pt 2 #fuckdonaldtrump #13thdocumentary #2017 .that's your bitch ass #president ",

'@user @user allows @user @user & @user #bigots #race-baiter #slaveowner work for your station. acceptable? #fired',

'great to see quebec is establishing a provincial inquiry into systemic & towards indigenous ppl ',

'#buffalo, #newyork : #trump ally carl #paladino slammed for wish list for #obamas. what a cockwomble #usa',

'@user @user @user @user i fought against both sides of the argument yesterday: ',

'in the news: from racism to resource development, here are the political stories inuit watched in 2016â\x80' ',

'you might be a libtard if... #libtard #sjw #liberal #politics ',

'are you #black & feel like the are stomping on you? â\x80' #retweet #tampa #miamiâ\x80' ',

'#ufc champ #amandanunes gets \$200k for beating #rondarousey who got \$3 million is sophisticated ',

'#allahsoil the cold war was fought over oil. #teambs #teamsuperjunior â\x80' ',

'@user oops! i did it again! melted another fragile snowflake! #sad #soreloser heed #triggerwarning ',

'someone find this man #stopracism ',

' girls in the world nude yong girl',

"@user boycotting #fathersday because it's blatantly . many #sistersofcolour don't know who their father is, so please #â\x80'",

'@user classy! @user ',

'@user @user it is people like you whom they've come up with the terms for like #terrorists and #assholes",

'sea shepherd suppoers are racist! #antiracism #seashepherd ',

'motherhood...unscripted new post: happy new year â\x80\x93 seriously. #2016 #celebritydeath #trump #misogyny #hate',

'.@user my gf used uber without forcing language preferences so you are reading my data and making #ux choices',

'retweet, like, and comment! #white #woman goes on #rant against two #hispanic #women, ... onâ\x80' ',

'@user @user proved my point-. and i hardly think teen vogue classifies as fake news. you just don't like her opinion",

' will send you to the #trump inauguration~ join today!! ',

'if i was a #black female & not white , #pornisforlosers would be shut down for #govegan',

'more evidence of the impoance of in the #brexit vote ',

'@user - "happy new year," says the #fascist with his pennyloafer on the neck of the usa. #notrump #nokkk',

'@user total asssss...worst mistake ever...lord help us all... #ass #pos',

"so this girl walks into #starbucks and refuses to let me serve her because i'm a white guy? whoa hey there and ",

'@user #allahsoil all lives matter. #emiratis #2016in4words',

"i noticed too. definitions of #bullying, , and #disabilities are trying to be changed so people don't hv to. ",

'@user @user and being a ww, i feel culpable 4 deeply entrenched systemic that exists so i do all i can to dismantle',

'@user #sept she plays a celtic woman. celtic symbols and accent etc. but because she's bald character ppl assume she's a man. ",

' adveiments naked fucking whores ',

'#boycott #lying #divisive #nationalist #foxnews add to your list @user @user @user karma sâ\x80' ',

'@user you might be a libtard if... #libtard #sjw #liberal #politics ',

"@user @user scary that it's not that long ago! ",

'#insane crazy racist white woman reaction! paranormal- insane #crazy #insane free classifieds ads',

'@user @user @user i feel triggered by your statement. me & my strawberry blonde locks are going to our safe space. ',

"@user cuomo: paladino's 'racist, ugly' comments on the obamas embarrass new yorkers #politics #câ\x80'",

'good night sweet ð\x9f\x8c\x8e on the 5th day of #kwanzaa is #nia which means purpose. our purpose in 2017 is to fight #fascismâ\x80' ',

'#carriefisher was a #feminist, fighting & #ageism in #hollywood with her #pen, her #acting, her #talent & hâ\x80' ',

'the latest the equality echo! thanks to @user @user @user #equality ',

'are you #hispanic & feel â\x80' the are stomping on you? listen #retweet #boricua #miamiâ\x80' ',

'@user absolutely disgusting ',

"@user if you say the #nazi's said that #hatred, & #bigotry can be found with extremists of all faiths,â\x80' ",

'@user @user its about time #whiteman calls an gets results',

'@user @user worst customer service in the united states! already repoeed 2 the better business bureau! @user',

'@user #allahsoil greenspanâ\x80\x99s monetary policies equated to declining real wages for workers â\x80' â\x80'â\x80' ',

'@user no! the neighbor has not been arrested. the cop was more interested in the kid littering than the assault of the kiâ\x80' ',

'the latest the daily! thanks to @user @user @user #catalunya',

"techjunkiejh:'alt-right' site plans a 'fake black person' twitter campaign #socialmedia â\x80' ",

'@user dear #democrats , djt not allowing #islamicradicals 2 use america's freedoms 2 destroy r freedoms is not or #islamophoâ\x80'',

"#blacklivesmatter that's why bilal called the adhan on the kaaba always existed hamza yusuf that was not nice ð\x9f\x98\x92",

'@user #allahsoil the temptation to blame everything on a scapegoat is too strong to resist. â\x80'â\x80' ',

'#sikh #temple vandalised in in #calgary, #wso condemns act ',

'@user @user @user @user "most boys can use a drill..." really? :-)',

'leave a 'gweh' below â\x80\x93 if in 2017, you will no longer debate #wypipo about #slaverâ\x80' ',

"the cowboys racist. i'm convince fooh. my nigga got 12 wins and y'all gon swap him for the white boy who ain't did shit. ",

'@user my #santaproject is to not shop at @user as long as they suppo #trump brands. #hate #ivanka #macysâ\x80' ',

' black women free kerala girls sex photos',
 'can "whites only immigration" make america great again? via @user #jarodtaylor #asslicker',
 '@user our #4 most popular post this year was @user brilliant take on #whiteprivilege: #â\x80',
 'great country: #australia and #israel : #australian #opkillingbayâ\x80\x80#thecove #shabbatshalomx\$â\x80\x80@user ',
 'thought factory: left-right polarisation! #trump #uselections2016 #leadership #politics #brexit #blm >15 ',
 '@user content: #abuse, #pedophilia, #stalking, #harassment, #gaslighting, #ableism, , #threats, #suicide, #nsfw, #self harmâ\x80',
 "what's humiliating is that our great country will have an ignorant tacky lying president #notmypresident#theresistaâ\x80' ",
 'thought factory: left-right polarisation! #trump #uselections2016 #leadership #politics #brexit #blm ~11 ',
 'this is what trumpâ\x80\x99s ny campaign chair had to say about the sitting president of the united states and the first laâ\x80' ',
 '@user #drsuess #moonman #offensive #kkk #funny #comedy #lol #edgy #dankmemes #memes (vine by 9/11 did bush) ',
 '@user #feminismiscancer #feminismisterrorism #feminismmuktbarat why #malevote is ignored @user',
 '@user barack #obama gets real about the he #faced in office via @user',
 "most likely the us is deploying bc we're and interfering with the #genocide within #africa stop killing eacâ\x80' ",
 'are â\x80' #hispanic & feel like the are stomping on you? listen #retweet #boricuaâ\x80' ',
 'plz sign #japan #bullying #tweet4taiji ',
 '@user is #trump what the lds church stands for? who knew? #adultery #misogyny #bigotry #incest #pedophilia #raâ\x80',
 "i'm trying so hard to make your handwritten indirect pretty and you tweet shit like this. shut up ",
 '.@user .@user #maga .@user silence is approval. we always knew what pigs youâ\x80' ',
 '@user #feminismiscancer #feminismisterrorism #feminismmuktbarat why #malevote is ignored @user',
 '@user #allahsoil not all muslims hate america. â\x80' #emiratis #2016in4words #U\x8aU\x88U\x85_0\$U\x840-U\x850^U\x87â\x80' ',
 'you might be a libtard if... #libtard #sjw #liberal #politics ',
 'are you #black & feel like â\x80' are stomping on you? listen #retweet #tampa #miamiâ\x80' ',
 "i say it was just as good as #thekingsspeech, but it won't win an oscar ",
 '@user this is what #shitler is referring to when he ignorantly shouts #maga & his racist sheep sta bleating ',
 '@user here's @user being a racist troll. would love for you to spread the word",
 'megaupload porn link porn video ',
 "@user @user @user @user so yes..u think brown skinned people can't think for themselves eh ",
 "@user @user @user @user @user @user @user no u don't. did u not single out a race ? ",
 '@user #allahsoil to say that all muslims hate america is to suggest theyâ\x80\x99re all the same. #emiratâ\x80',
 '@user indianapolis colts black cheerleader hugs boy who used slur. so. much. class ',
 "@user @user @user @user @user @user easy. you're a and a #bigot",
 '@user #trump ally carl paladino said first lady should go live in a cave with a gorilla prick',
 '@user nazis continue to target jews, businesses in #whitefish #jewish #christians #montana #naâ\x80',
 "@user @user your ignorance, #whiteprivilege and #whitefragility is egregious. don't dare speak 4 'rest of #canada'.",
 '@user someone should feed you grenades you stupid fuck shit',
 '@user you might be a libtard if... #libtard #sjw #liberal #politics ',
 '#sikh #temple vandalised in in #calgary, #wso condemns act ',
 'are you #black & feel like the are â\x80'on you? listen #retweet #tampa #miami #newyorkâ\x80' ',
 'says #fatty. dumb #black people think they can smell ! lol ',
 'white "social justice warriors" _ getting it wrong, again. via @user #voterid #maga #p2 #rnc #dnc #vote',
 "and don't forget, that per megyn kelly of #fauxnews, jesus & santa are also white. #religion ",
 '@user this white crowd turned its back on an all-black basketball team at a high school game. #trump ',
 "y'all, is global. we just may have to lose before folks understand.",
 "dear #leftistlunatics, change a few words and tell me how your aicle isn't ? you people are sick. ",
 'surprise! adam saleh is a ! (@user) ',
 'porn video smoking porn fetish',
 '@user @user @user @user says a president elect that calls americans enemies #hateful #ignorant',
 'you might be a libtard if... #libtard #sjw #liberal #politics ',
 '@user the white flight of derek black #kkk #trump #change',
 '@user outraged by the emoji update. how dare they have a fat woman and not a fat man, are they saying only women can get fat? ð\x9fð\x9f\x8f\x8f#sâ\x80',
 '@user the waiter was black himself.for fuck sakes!stop looking for fucking under every rock.â\x80',
 '@user no joking matter! officers fired for joke about target practice in #black neighborhoods via @user',
 '@user dear @user please give us a multi-racial & objective list to prove you are not in your selectionâ\x80' ',
 '@user @user hitler called... ',
 'dull british . ',
 'reagan convinced ksa to flood the market and drive oil prices to historic lows. â\x80' #allahsoil #teambts #cnn',
 "and you will hear kurds are free and equal citizens. like state's mouthpiece 'journo' @user claimed.â\x80' ",
 "stop bullying. stop racism. everyone can stand up to it and say it's wrong and treat everyone with respect. #everydayheroes #bully",
 '@user im so #done with @user #delta #airlines and their #rude #disrespectful #comments & #actions #neverdelta',
 "@user sick of liberals thinking it's ok to dictate where they think israeli jews should be allowed to live, including in isrâ\x80'",
 '@user #allahsoil no one should be denied civil rights because of their religion. #emiratis #2016iâ\x80',
 '#hamzayusuf apologists be like ... #ris #jetlagged @ doubletree by hilton londonâ\x80' ',
 '@user many toy adves are and show 'narrow and limiting' #genderstereotypes, study warns via @user",
 '@user #netanyahuspeech stirs anti-jewish hate & on twitter from progressives ',
 "@user @user @user because many of us find obama's policies repugnant does not make us you're liberal racâ\x80'",
 "what over-rode journalists' integrity was greed and ambition, along with a total absence of courage. ",
 "crazed woman 'launched sick attack on muslim cab driver over Â£7 fare' | #islamaphobia ",
 "the latest the indigenous and remote daily! thanks to @user @user @user #justjustice ',
 '@user 8 presidents, same policy on israeli settlements but only obama is slammed as a treacherous anti-semite. â\x80' ',
 'we need more aicles like this from @user on positive narratives against . @user @user ',
 '@user is restricted duty like a straght jacket and padded room? if not, we should look into that.#blacklivesmatterâ\x80' ',
 '#sikh #temple vandalised in in #calgary, #wso condemns act ',
 'trump ally wishes mad cow disease death for obama #unfittobeinpublicoffice #ugly #reprehensible ',
 'no immigration for 50 years? white nationalist leader unloads 5 of his most horrifying hopes for america ',
 '@user will the alt-right promote a new kind of genetics? mt @user ',

'washington post editorial: calling racism by its name - salt lake tribune ',
 '@user woh reading. "here\'s how joseph boyden reinforced systemic oppression of first nations" viâ\x80',
 "@user @user you're a . disgusting.",
 '@user #supermariorun is ? please stop this "offended culture" madness! #firstworldproblems ',
 'i agree, but hard to believe he does, given his strident opposition to ordination of women. #womensordinationâ\x80',
 '@user @user you forgot #democrate, because vetting people from terrorist #countries is .dumb ',
 'â\x80\x9cwe the peopleâ\x80\x9d originally meant â\x80\x9cwe the white, landholding males.â\x80\x9d â\x80! #2016in4wordsâ\x80',
 'sadly, those you call your enemies are the majority of americans. #fascist #putinspuppet ',
 'the ironies inherent in my experiences living & working in #qatar. #discrimination ',
 '@user @user - please stop calling yourself "canada\'s iconic dept store." nothing "iconic" about suppoing â\x80',
 'smoke out the old year and new year at the same time! marijuana unleashed at ibooks. ',
 'small brains...just close eyes...vote for #lunatics @user @user @user #kkk #breitba #altrightâ\x80',
 '@user can everyone please pound on @user for this #misogynist comment on #merrychristmas about a great lawâ\x80',
 'how about a qualifications trc, professor bozzoli? #highereducation #southafrica',
 'sea shepherd suppoers are racist! #antiracism #seashepherd ',
 'black judge quietly removed from #philandocastile shooting trial with little explanation #newswithed ',
 "@user no, we're not ",
 'president jimmy caer leaving his religion due to ',
 'christmas eve? what about christmas adam? this is towards men ð\x9f\x98\x9f down with feminism',
 'nothing would be more dangerous than to give #putinschoice the impression we accept #stopracism #boycott?â\x80',
 '@user you might be a libtard if... #libtard #sjw #liberal #politics ',
 '#waitingf #wildest #cutest creature on the eah, #takuyakimura w/ girls in #highfashion #brandâ\x80',
 '@user #bookreview lovecraft country 4 stars as #horror appropriate, also funny #mattruffâ\x80',
 '"green book" "sundown towns", #route66 guide a reminder of that faced travellers under #us #segregation ',
 '@user @user @user thats . r u racist?',
 'a&e scraps controversial #kkk series #tv #cable #disney #boycott ',
 '@user 10 hours of walking in #nyc as a woman #newyork #women #men #bigots',
 '@user racist austin police ofc cameron staff #cameronstaff #camstaff #officerstaff #acab #cowardcopsâ\x80',
 'far right in #georgia showing euro values of . ',
 '@user @user @user because i've been paying attention for the past year/8 years. he's a â\x80',
 'empress regnant a distant prospect for japan despite gender equality law #feminism #equality #asia #news',
 'ark man discovered racist graffiti on his car after a quick errand #hoodiesup #blm ',
 '.@user @user @user @user &t;--- no more feeding at the public trough piggy. #michelleobamaâ\x80',
 'alt-right and euro-conservatism #trump ',
 'more #marxist evil jew #propaganda! why is it jew controlled media has never and never will cite any non white grouâ\x80',
 "@user that isn't what you said when you tweeted about the #nazi's over #hatred, & #bigotry ",
 '@user not surprised how "news" outlets call opposition to @user race-mix ad . they hate racism, though. i embracâ\x80',
 '@user @user @user over the past 8 yrs #despite #demagoguery #obstruction #fearâ\x80',
 "@user you're such a hatred person @user a #narcissistic & is who you are! @user ",
 'not even trumpâ\x80\x99s transition team wants to deal with carl #paladinoâ\x80\x99s comments about the obamas - vanity fair ',
 '*free sticker - "stop sexism" #stopsexism #womensrights #women #christmas #trumpâ\x80',
 '@user what2inlieuof #narcissimâ\x80\x93misogynyâ\x80\x93? #tolerance #kindness #peace stop w/#hate. look inside you are #love!â\x80',
 "@user re: your message of #hate - god loves #all people. is not just about color - it's about hate & you preach hate!",
 'everything wrong with #america is embodied by @user : , #misogyny and a hostility to #science #blacksagainstrump #trump',
 'black trump suppoer smacks down cnn repoer for race baiting #trump ',
 '@user i agree. ',
 'carl paladino needs to lose his school board seat. what a disgusting #pig',
 '@user @user oh just fuuuuuuuuuuuck right off ',
 '@user care about #cjreform? follow me: i cover #deathpenalty, #juvenilejustice, #bailreform, #prosecutorialmisconduct, â\x80',
 'thought factory: left-right polarisation! #trump #uselections2016 #leadership #politics #brexit #blm +5 ',
 'are you #black & feel like the are stomping â\x80 you? listen #retweet #tampa #miamiâ\x80',
 'thought factory: left-right polarisation! #trump #uselections2016 #leadership #politics #brexit #blm ~6 ',
 'why are white people #expats when the rest of us are #immigrants? #classism #imperialism',
 'you might be a libtard if... #libtard #sjw #liberal #politics ',
 '#newyear! new #prez. new #destruction. new #commercials. new #new order! new tweets. new #poopin. new kids on the block. new #america',
 '@user stay the course! #losers never win dinosaurs #thefuture belongs to us #nofear we will not go back! #inferioritycomplex',
 'beyond #fabulous #smug, #elitists get #annihilated by #voter id myth #video #trump #maga',
 'islam against racism ',
 'over 12mill arrests/60mill police-civilian encounters per yr in us.shootings,accidents,"abuse" extremely rare-thousâ\x80',
 'trumps associates are a classy bunch. ',
 'you might be a libtard if... #libtard #sjw #liberal #politics ',
 'how is it that a man comes in last in a race but he is declared a winner? #putinschoice #putinspuppet #retweetâ\x80',
 'you might be a libtard if... #libtard #sjw #liberal #politics ',
 'no, jissus man, why do pple wait for the festive period to upset others. rightfully, we all should be outrage wheneâ\x80',
 "don't bogard that joint, my friend. marijuana unleashed now at ibooks. ",
 'marco rubio has no consideration close to now. #rwnj #weirdo',
 'statement,doubling down #paladino to media:my comments in avoice were not #libcrib #hate #mental',
 '#intrumpsamerica extending your hand & uniting merica is unprecedented! #rapist #egomaniac @user ',
 'libtard- "i can\'t believe she hate muslims and suppo trump. how can a black woman do that?" me "because i\'m not your damn slave!" ',
 'the end of #me #selfie # #love #messi #cr7 #religion #christianity #mecca_live ',
 "#paladino ... what can i label him as ..that hasn't been said before? ... just #shameful for a #public servant to hâ\x80',
 '@user @user @user and sorry if we are ethnically cleansing you in east jerusalem or bethlehem, but hey. â\x80',
 '@user @user @user nothing. that would be . #taharrush #taharrushgamea #rapeugee ',
 '"rambling about: the alt right" #blacktwitter #tcot #tlot #altright #bcot #blacklivesmatter',
 'the latest the afl tattler! thanks to @user @user @user #afghanistan',
 "@user ain't hip, trendy. it scalds, it aches, it is chronic, & chokes like smog. ever present but no sees it. it is aâ\x80'",

"@user my family's horrible attack at #thegreenpalmcottage in #plettenburgbay #westerncape thyini thiza! we want tã\x80' ",
 'how did women fair in 2016? ',
 '@user white: good dark: bad itã\x80\x99s a twisted version of thatã\x80makes india racist against its own people! ',
 '@user in my previous job every #white person's response to was doing the #mannequinchallenge & that's including #ceo & mgtã\x80'
 'just pre-ordered this. it sounds a really great book ',
 'heard #ris2016 clip. see quoted tweet. props to @user exposing those views out of @user & challengingã\x80' ',
 ' vs #whites is unabated in #obamanation because how can there be such a thing with "killer cops" &ã\x80' ',
 "@user if they say their comments are just a joke or smth, it will be just their opinion? i don't think so. it's a . ",
 '#tory pay = #capitalist; #labour pay = #socialist; #green pay = #environmentalist; #liberal pay = #coalitionist; #ukip = .',
 '@user @user it's 2016! would you question #hillary like that considering her age, condition & factã\x80' ',
 'jonjo shelvey = the only man ever to racially abuse someone without saying anything! #kickitout #shelvey ',
 'amateur spanking vids against women in the workplace ',
 '@user ppl wait for 10 hrs karachi airpo, miss connecting flights @user put them on flights 24 hrs lateã\x80' ',
 'book - enduring conviction: fred korematu & his quest for #justice #humanrights htã\x80' ',
 '@user coming from and #powerhungrytraitors. the #hereticfoundation!',
 "stop calling @user ! i've met him. bbc is more than he. he's got big work ahead. @user @user",
 'thank you sara for the unforgettable response to and appalling comments by the heabroken "doctor"ã\x80' ',
 '2017 a new beginning!! getting rid of this #nationdivider! good riddance pos!! ',
 'lame duck and lame dick ',
 'irritations like new-#ghostbusters haters indisputably are intrusively indecent imitations. #misogynist #whiners',
 "anybody who says against men doesn't exist, hasn't tried to buy disney/looney toons-themed #scrubs in men's sizes/cuts.",
 "@user best think i've ever heard about nicola sturgeon. so it can't be true. ",
 'you might be a libtard if... #libtard #sjw #liberal #politics ',
 '@user @user i'm guessing a shiless man doesn't objectify himself by being shiless, but a shiless woman is? ',
 'the white flight of derek black #kkk #trump #change',
 "@user 1/2 we're told over & over that #voterid laws are #stillwithher #liberal #democrats need to wakeup & realiã\x80' ",
 'how can sainsburys have no red stripe?? ð\x9f\x98\x82ð\x9f\x98\x82ð\x9f\x98\x82',
 "al capone was jailed for tax evasion, not murders he committed. what is @user 's achilles heel? #unpresidential #nohate ",
 '#psa: in the age of information, the true ethnicity of biblical people has caused an overlap of andã\x80' ',
 'not surprised how "news" outlets call opposition to @user race-mix ad . they hate racism, though. i embrace it. ad is sickening-',
 '@user omg, what is up with the use of the word "broad?" and if people don't agree w/you, they're "triggered?? ã\x80' ',
 'what if michelle obama had done this? ',
 "@user great aicle of truth about #trc needs. comments back up why it's needed. #indigenous - via @user ",
 'thought factory: left-right polarisation! #trump #uselections2016 #leadership #politics #brexit #blm >10 ',
 "@user and you will hear kurds are free and equal citizens. like state's mouthpiece 'journo' @user claimed.ã\x80' ",
 '@user does #hollywood present as a stereotype? #solidarity #onelove ',
 '#allahsoil the bearã\x80\x99s rapacious hunger for oil also sealed its doom. ã\x80' #teambsã\x80' ',
 'a&#paid #kkk to #fabricate #stories to push the producers #narrative #cancel ',
 '@user the latest the blicqerã\x84 daily! thanks to @user @user @user #trump',
 'sign that i checked a bag at iah. every. single. time. ',
 'why did the #unitednations resolve that #zionism is a form of ',
 'trophy. i have always been one. by @user "educate yourself," #saturdayblogshareã\x80' ',
 '@user so sick of all the pre-programmed #hillbots rhetoric! enough, already!! how about unity, patriotism and love for feã\x80' ',
 "jeff sessions omits decades of records for his ag confirmation hearing @user you can't hide ",
 ' white girl has sex with black guy nude newzeeland porns ',
 "you'd think #blacklivesmatter would b protesting #plannedparenthood 24/7 but it doesn't fit their #ideology. ",
 ' porn videos iran fucking girles',
 'so much #stupid in these #black on #white posts ',
 ' black girl porn teen virgin sex pictures ',
 '@user #feminismiscancer #feminismisterrorism #feminismuktbarat why #malevote is ignored @user',
 'coming from an ultra #pos like @user surprise surprise @user @user @user #maga #usa at least they can play golf ð\x9f\x87°ð\x9f\x87.',
 '@user #sikh #temple vandalised in in #calgary, #wso condemns act ',
 'omg, these trump suppoers are deplorable! #dumptrump #notmypresident #deplorable ',
 '@user #theresistance #notmypresident #russiagate #votersuppression #tyranny the 1% want us to fight and pâ\x80' ',
 '@user you should take action against your filthy plantation location manager. what a disgraceful pos! #boycott',
 '@user ... how would you promote ... hitting on women ... condoning assault ... & #terrorism ... #wars andã\x80' ',
 ' white girl has sex with black guy sexest women nude ',
 '@user @user @user @user because trump is a #fascist & a #bigot #misogynist #sexualpredator all provenã\x80'',
 'incredible content! @user @user @user #beforesex @user @user ',
 '#democrats are the 1st to tell jokes',
 "@user @user ð\x9f\x98\x82 it's there, it's @user ð\x9f\x98\x82although i'm told that andrew jackson was and #cantankerous also",
 "it's no surprise that #trump's chosen #administration is a mere basket of racists. though, #hillary is a #liar butã\x80' ",
 '@user #allahsoil islamophobia only serves to empower the extremists. #emiratis #2016in4words',
 "#emmastone is speaking out about in #hollywood. they'll steal her jokes and given them to men #movies ",
 'almost as as dad #5wordtrumplethinskin',
 "leave a 'gweh' below ã\x87 if in 2017, you will no longer debate #wypipo about #slavery orã\x80' ',
 '@user todays donkey #zionazis are proud of murdering real palestinian semitic children - thats what i callã\x80' ',
 '@user so, what are you saying, blacks = criminals? #blm #teamd',
 'is #trump what the lds church stands for? who knew? #adultery #misogyny #bigotry #incest #pedophilia #rape @user',
 'fear is the root of racism. mostly fear of your ego having to acknowledge another human being is no worse or betterã\x80' ',
 "i guess they'll go back to just yelling again. ",
 '#israel this is and the rape of land that is not theirs at all #freedom for #palestine ð\x9f\x87µð\x9f\x87. ',
 '\$2.99! #2016release #ebook #book the summer that melted everything: a novel by tiffany mcdaniel via @user',
 'stop ating my fathers son ',
 "hey guys, apparently white and black people are even for that whole slavery thing, so that's nice. #history ",

```
"@user @user don't think it's awarded for #bigotry or being being a self centred #dick",
"3 #miami officers fired over target practice 'jokes' #policebrutality #newswithed ",
'you might be a libtard if... #libtard #sjw #liberal #politics ',
'@user #feminismiscancer #feminismisterrorism #feminismmuktbarat why #malevote is ignored @user',
'@user back to open , #misogyny, #bigotry, #childlabor ',
'@user you are disgusting and you need to be released into the wild and die of mad cow disease. ',
' porn videos sexy latinas vids',
'@user male privilege, huh? yeah, about that... #tcot #feminism #men ',
'@user #allahsoil the knee-jerk reaction is to assume that â\x80\x9cit must have been isis.â\x80\x9d â\x80\x9d ',
' sex videos fucking cross ',
'@user #feminismiscancer #feminismisterrorism #feminismmuktbarat why #malevote is ignored @user',
'i dare to speak for the rest of canada, b/c no one else dares, b/c of this massive racist bullying anyone gets forâ\x80\x9d ',
'"#trump won because #politicalcorrectness has gone too far." you know what you never heard? "#obama won because has gone too far."',
'@user #spoty perhaps the #murrayhaters would be happier if #murray was a bit more like #gazza? what a hero #drunk #wifebeaterâ\x80\x9d',
'@user thanks to you the next four years are forecasted to be the worst. i hope your #fascist plans for #2017fail!',
'@user you might be a libtard if... #libtard #sjw #liberal #politics ',
"@user seems its escaped your attention that bashing whites isn't winning you any elections - over 1200 dem seats lost 08-â\x80\x9d ",
"ð\x9f\x9a~#whitegenocide #bigot telling white students they don't deserve to live is the reason won't die!!ð\x9f\x9a~",
'are you #black & feel like the are â\x80\x9don you? listen #retweet #tampa #miami #newyorkâ\x80\x9d ',
'i am disgusted watching @user defend her career & intelligence to @user so informing the future gen is laughable? ..',
'becoming ugly mt @user #patriarchy #feminist #feminism ',
'right wings members back to fpÃ\x96 #gegenrechts #nostrache #fpÃ\x96 #noafd #nopegida #populism #nonazis #aufstehn',
"#people aren't protesting #trump because a #republican won-they do so because trump has fuhered &â\x80\x9d ",
' fucking nude nerd girls naked',
"@user #adl = #hate the raison d'etre of the adl has always been to incite as a means to usher in #jewworldorder #tyranny.â\x80\x9d!",
'#koreans & joseon people in japan, will abuse the for claims of own rights by rough demo. #anacoos',
'@user explain your actions. netanyahu you can not claim discrimination when u do it yourself to others. ',
'.@user you are a disgusting wohless pig of a human being...assuming you are human. go play in traffic.',
"now ask yourself if you really want to follow @user i'm done. ",
...]
```

```
In [54]: negative_sentences_as_one_string = " ".join(negative_list)
```



```
In [61]: Test_punc_removed
```

['G',
'O',
'O',
'd',
'',
'm',
'O',
'r',
'n',
'i',
'n',
'g',
'',
'b',
'e',
'a',
'u',
't',
'i',
'f',
'u',
'l',
'',
'p',
'e',
'O',
'p',
'l',
'e',
'',
'',
'I',
'',
'a',
'm',
'',
'h',
'a',
'v',
'i',
'n',
'g',
'',
'f',
'u',
'n',
'',
'l',
'e',
'a',
'r',
'n',
'i',
'n',
'g',
'',
'M',
'a',
'c',
'h',
'i',
'n',
'e',
'',
'l',
'e',
'a',
'r',
'n',
'i',
'n',
'g',
'',
'a',
'n',
'd',

```
' ',  
'A',  
'I']
```

```
In [73]: # Join the characters again to form the string.  
Test_punc_removed_join = ''.join(Test_punc_removed)  
Test_punc_removed_join  
  
'Good morning beautiful people I am having fun learning Machine learning and AI'
```

MINI CHALLENGE #5:

- Remove punctuations using a different method

```
In [74]: Test_punc_removed = []  
for char in Test:  
    if char not in string.punctuation:  
        Test_punc_removed.append(char)  
  
# Join the characters again to form the string.  
Test_punc_removed_join = ''.join(Test_punc_removed)  
Test_punc_removed_join  
  
'Good morning beautiful people I am having fun learning Machine learning and AI'
```

TASK 6: PERFORM DATA CLEANING - REMOVE STOPWORDS

```
In [65]: import nltk # Natural Language tool kit  
  
nltk.download('stopwords')  
  
[nltk_data] Downloading package stopwords to  
[nltk_data] C:\Users\Administrator\AppData\Roaming\nltk_data...  
[nltk_data] Package stopwords is already up-to-date!  
  
True
```

```
In [66]: # You have to download stopwords Package to execute this command  
from nltk.corpus import stopwords  
stopwords.words('english')
```

```
['i',  
 'me',  
 'my',  
 'myself',  
 'we',  
 'our',  
 'ours',  
 'ourselves',  
 'you',  
 "you're",  
 "you've",  
 "you'll",  
 "you'd",  
 'your',  
 'yours',  
 'yourself',  
 'yourselves',  
 'he',  
 'him',  
 'his',  
 'himself',  
 'she',  
 "she's",  
 'her',  
 'hers',  
 'herself',  
 'it',  
 "it's",  
 'its',  
 'itself',  
 'they',  
 'them',  
 'their',  
 'theirs',  
 'themselves',  
 'what',  
 'which',  
 'who',  
 'whom',  
 'this',  
 'that',  
 "that'll",  
 'these',  
 'those',  
 'am',  
 'is',  
 'are',  
 'was',  
 'were',  
 'be',  
 'been',  
 'being',  
 'have',  
 'has',  
 'had',  
 'having',  
 'do',  
 'does',  
 'did',  
 'doing',  
 'a',  
 'an',  
 'the',  
 'and',  
 'but',  
 'if',  
 'or',  
 'because',  
 'as',  
 'until',  
 'while',  
 'of',  
 'at',  
 'by',  
 'for',  
 'with',
```

'about',
'against',
'between',
'into',
'through',
'during',
'before',
'after',
'above',
'below',
'to',
'from',
'up',
'down',
'in',
'out',
'on',
'off',
'over',
'under',
'again',
'further',
'then',
'once',
'here',
'there',
'when',
'where',
'why',
'how',
'all',
'any',
'both',
'each',
'few',
'more',
'most',
'other',
'some',
'such',
'no',
'nor',
'not',
'only',
'own',
'same',
'so',
'than',
'too',
'very',
's',
't',
'can',
'will',
'just',
'don',
'don't',
'should',
'should've',
'now',
'd',
'll',
'm',
'o',
're',
've',
'y',
'ain',
'aren',
'aren't',
'couldn',
'couldn't',
'didn',
'didn't',
'doesn',
'doesn't',

```
'hadn',
'hadn't",
'hasn',
'hasn't",
'haven',
'haven't",
'isn',
'isn't",
'ma',
'mightn',
'mightn't",
'mustn',
'mustn't",
'needn',
'needn't",
'shan',
'shan't",
'shouldn',
'shouldn't",
'wasn',
'wasn't",
'weren',
'weren't",
'won',
'won't",
'wouldn',
'wouldn't"]
```

```
In [75]: Test_punc_removed_join_clean = [word for word in Test_punc_removed_join.split() if word.lower() not in stopwords.words('english')]
```

```
In [76]: Test_punc_removed_join_clean
```

```
['Good',
'morning',
'beautiful',
'people',
'fun',
'learning',
'Machine',
'learning',
'AI']
```

```
In [ ]: Test_punc_removed_join_clean # Only important (no so common) words are left
```

MINI CHALLENGE #6:

- For the following text, create a pipeline to remove punctuations followed by removing stopwords

```
In [78]: mini_challenge = 'Here is a mini challenge, that will teach you how to remove stopwords and punctuations!'
```

```
In [79]: Mini_punc_removed = [char for char in mini_challenge if char not in string.punctuation]
```

```
In [80]: Mini_punc_removed
```



```
[ 'H',  
  'e',  
  'r',  
  'e',  
  ' ',  
  'i',  
  's',  
  ' ',  
  'a',  
  ' ',  
  'm',  
  'i',  
  'n',  
  'i',  
  ' ',  
  'c',  
  'h',  
  'a',  
  'l',  
  'l',  
  'e',  
  'n',  
  'g',  
  'e',  
  ' ',  
  't',  
  'h',  
  'a',  
  't',  
  ' ',  
  'w',  
  'i',  
  'l',  
  'l',  
  ' ',  
  't',  
  'e',  
  'a',  
  'c',  
  'h',  
  ' ',  
  'y',  
  'o',  
  'u',  
  ' ',  
  'h',  
  'o',  
  'w',  
  ' ',  
  't',  
  'o',  
  ' ',  
  'r',  
  'e',  
  'm',  
  'o',  
  'v',  
  'e',  
  ' ',  
  's',  
  't',  
  'o',  
  'p',  
  'w',  
  'o',  
  'r',  
  'd',  
  's',  
  ' ',  
  'a',  
  'n',  
  'd',  
  ' ',  
  'p',  
  'u',  
  'n',
```

```
'c',  
't',  
'u',  
'a',  
't',  
'i',  
'o',  
'n',  
's']
```

```
In [81]: Mini_punc_removed_join = ''.join(Mini_punc_removed)  
Mini_punc_removed_join
```

'Here is a mini challenge that will teach you how to remove stopwords and punctuations'

```
In [82]: Mini_punc_removed_join_clean = [word for word in Mini_punc_removed_join.split() if word.lower() not in stopwords.words('english')]
```

```
In [83]: Mini_punc_removed_join_clean
```

['mini', 'challenge', 'teach', 'remove', 'stopwords', 'punctuations']

TASK 7: PERFORM COUNT VECTORIZATION (TOKENIZATION)

TOKENIZATION (COUNT VECTORIZER)

This is the first paper.
This paper is the second paper.
And this is the third one.
Is this the first paper?



```
[[0 1 1 1 0 0 1 0 1]  
[0 2 0 1 0 1 1 0 1]  
[1 0 0 1 1 0 1 1 1]  
[0 1 1 1 0 0 1 0 1]]
```

	'and'	paper'	'first'	'is'	'one'	'second'	'the'	'third'	'this'
Training Sample #1	0	1	1	1	0	0	1	0	1
Training Sample #2	0	2	0	1	0	1	1	0	1
Training Sample #3	1	0	0	1	1	0	1	1	1
Training Sample #4	0	1	1	1	0	0	1	0	1

```
In [84]: from sklearn.feature_extraction.text import CountVectorizer
sample_data = ['This is the first paper.', 'This document is the second paper.', 'And this is the third one.', 'Is this the first paper?']

vectorizer = CountVectorizer()
X = vectorizer.fit_transform(sample_data)
```

```
In [85]: print(vectorizer.get_feature_names())

['and', 'document', 'first', 'is', 'one', 'paper', 'second', 'the', 'third', 'this']
```

```
In [86]: print(X.toarray())

[[0 0 1 1 0 1 0 1 0 1]
 [0 1 0 1 0 1 1 1 0 1]
 [1 0 0 1 1 0 0 1 1 1]
 [0 0 1 1 0 1 0 1 0 1]]
```

MINI CHALLENGE #7:

- Without doing any code, perform count vectorization for the following list:
 - mini_challenge = ['Hello World', 'Hello Hello World', 'Hello World world world']
- Confirm your answer with code

```
In [87]: mini_challenge = ['Hello World', 'Hello Hello World', 'Hello World world world']

vectorizer_challenge = CountVectorizer()
X_challenge = vectorizer_challenge.fit_transform(mini_challenge)
print(X_challenge.toarray())

[[1 1]
 [2 1]
 [1 3]]
```

TASK #8: CREATE A PIPELINE TO REMOVE PUNCTUATIONS, STOPWORDS AND PERFORM COUNT VECTORIZATION

```
In [96]: # Let's define a pipeline to clean up all the messages
# The pipeline performs the following: (1) remove punctuation, (2) remove stopwords

def message_cleaning(message):
    Test_punc_removed = [char for char in message if char not in string.punctuation]
    Test_punc_removed_join = ''.join(Test_punc_removed)
    Test_punc_removed_join_clean = [word for word in Test_punc_removed_join.split() if word.lower() not in stopwords.words('english')]
    return Test_punc_removed_join_clean
```

```
In [97]: # Let's test the newly added function
tweets_df_clean = tweets_df['tweet'].apply(message_cleaning)
```

```
In [94]: # show the cleaned up version
print(tweets_df_clean[5])

['22', 'huge', 'fan', 'fare', 'big', 'talking', 'leave', 'chaos', 'pay', 'disputes', 'get', 'allshowandnogo']
```

```
In [98]: # show the original version
print(tweets_df['tweet'][5])
```

[2/2] huge fan fare and big talking before they leave. chaos and pay disputes when they get there. #allshowandnogo

```
In [100]: from sklearn.feature_extraction.text import CountVectorizer
# Define the cleaning pipeline we defined earlier
vectorizer = CountVectorizer(analyzer = message_cleaning)
tweets_countvectorizer = CountVectorizer(analyzer = message_cleaning, dtype = 'uint8').fit_transform(tweets_df['tweet']).toarray()
```

```
In [102]: tweets_countvectorizer.shape

(31962, 47386)
```

```
In [ ]: tweets = pd.DataFrame(tweets_countvectorizer.toarray())
```

```
In [104]: X = tweets_countvectorizer
```

```
In [105]: X

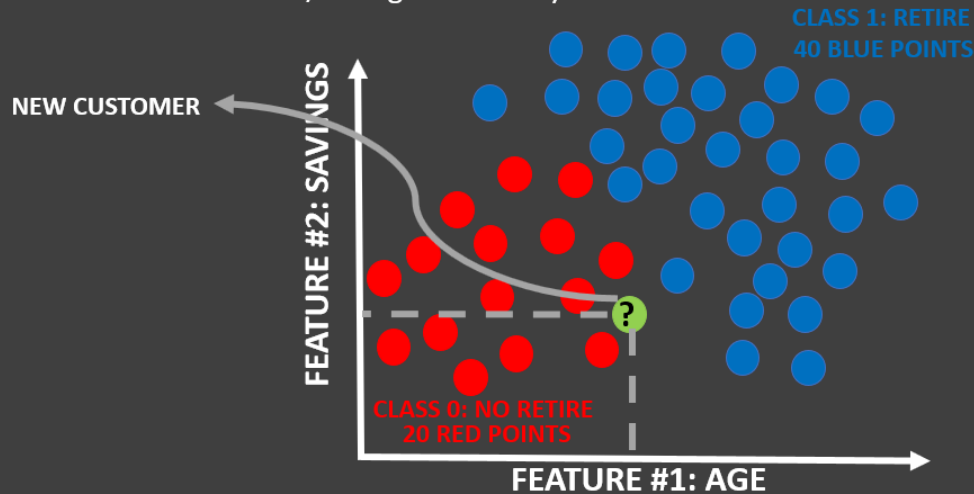
array([[0, 0, 0, ..., 0, 0, 0],
       [0, 0, 0, ..., 0, 0, 0],
       [0, 0, 0, ..., 0, 0, 0],
       ...,
       [0, 0, 0, ..., 0, 0, 0],
       [0, 0, 0, ..., 0, 0, 0],
       [0, 0, 0, ..., 0, 0, 0]], dtype=uint8)
```

```
In [106]: y = tweets_df['label']
```

TASK #9: UNDERSTAND THE THEORY AND INTUITION BEHIND NAIVE BAYES

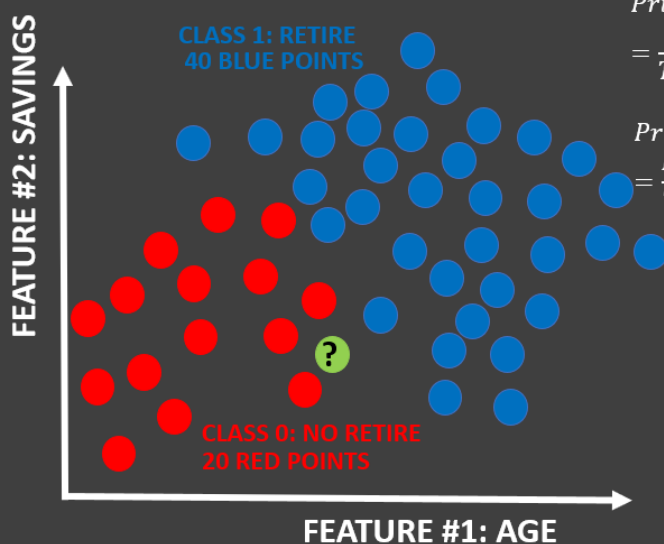
NAÏVE BAYES: INTUITION

- Naïve Bayes is a classification technique based on Bayes' Theorem.
- Let's assume that you are data scientist working major bank in NYC and you want to classify a new client as eligible to retire or not.
- Customer features are his/her age and salary.



NAÏVE BAYES: 1. PRIOR PROBABILITY

- Points can be classified as RED or BLUE and our task is to classify a new point to RED or BLUE.
- Prior Probability: Since we have more BLUE compared to RED, we can assume that our new point is twice as likely to be BLUE than RED.

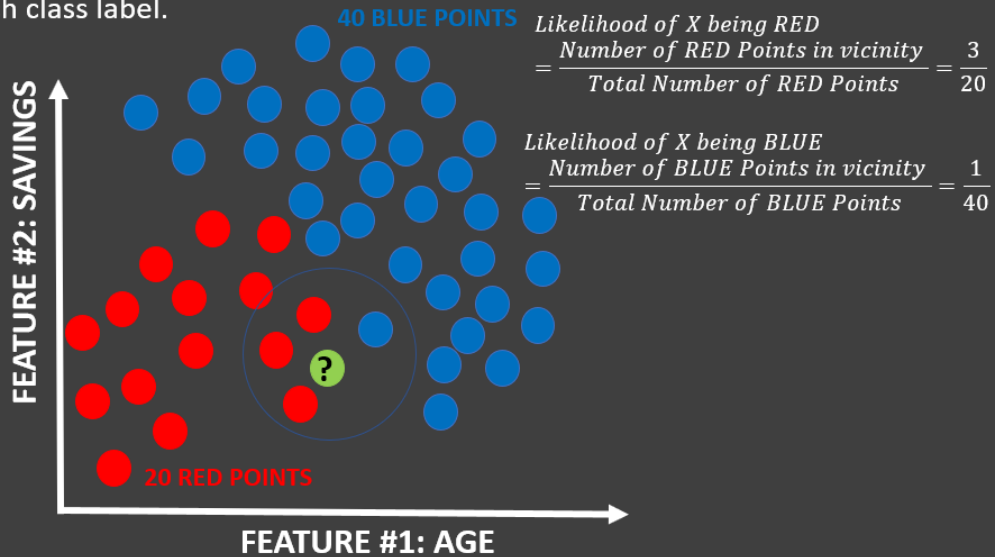


$$\begin{aligned} \text{Prior Probability for RED} \\ &= \frac{\text{Number of RED Points}}{\text{Total Number of Points}} = \frac{20}{60} \end{aligned}$$

$$\begin{aligned} \text{Prior Probability for BLUE} \\ &= \frac{\text{Number of BLUE Points}}{\text{Total Number of Points}} = \frac{40}{60} \end{aligned}$$

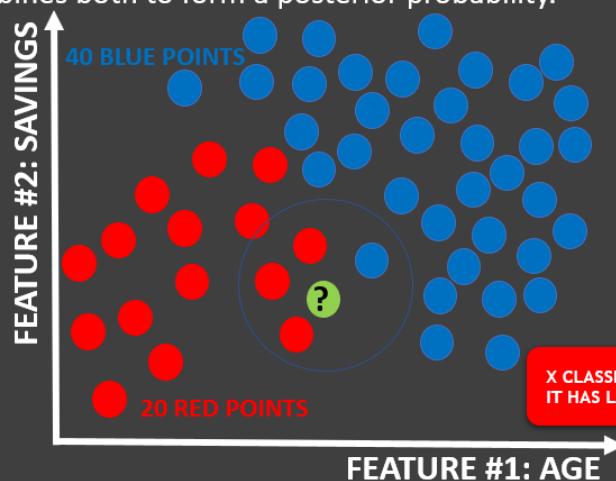
NAÏVE BAYES: 2. LIKELIHOOD

- For the new point, if there are more BLUE points in its vicinity, it is more likely that the new point will be classified as BLUE.
- So we draw a circle around the point, then we calculate the number of points in the circle belonging to each class label.



NAÏVE BAYES: 3. POSTERIOR PROBABILITY

- Let's combine prior probability and likelihood to create a posterior probability.
- Prior probabilities: suggests that X may be classified as BLUE Because there are 2x as much blue points.
- Likelihood: suggests that X is RED because there are more RED points in the vicinity of X.
- Bayes' Rule combines both to form a posterior probability.



Posterior Probability of X being RED

= Prior Probability of RED

$$* \text{Likelihood of X being RED} = \frac{20}{60} * \frac{3}{20}$$

$$= \frac{1}{20}$$

Posterior Probability of X being BLUE

= Prior Probability of BLUE

$$* \text{Likelihood of X being BLUE} = \frac{40}{60} * \frac{1}{40}$$

$$= \frac{1}{60}$$

X CLASSIFIED AS RED (NON RETIRING) SINCE IT HAS LARGER POSTERIOR PROBABILITY

NAÏVE BAYES: MATH (DON'T PANIC!)

LIKELIHOOD

PRIOR PROBABILITY
OF RETIRING

$$P(\text{Retire}|X) = \frac{P(X|\text{Retire}) * P(\text{Retire})}{P(X)}$$

MARGINAL LIKELIHOOD

- **Naïve Bayes is a classification technique based on Bayes' Theorem.**
- X : New Customer's features; age and savings
- $P(\text{Retire}|X)$: probability of customer retiring given his/her features, such as age and savings
- $P(\text{Retire})$: Prior probability of retiring, without any prior knowledge
- $P(X|\text{Retire})$: likelihood
- $P(X)$: Marginal likelihood, the probability of any point added lies into the circle

NAÏVE BAYES: MATH (DON'T PANIC!)

$$P(Retire|X) = \frac{P(X|Retire) * P(Retire)}{P(X)}$$

- $P(Retire) = \frac{\text{\# of Retiring}}{\text{Total points}} = 40/60$
- $P(X|Retire) = \frac{\text{\# of similar observations for retiring}}{\text{Total \# retiring}} = 1/40$
- $P(X) = \frac{\text{\# of Similar observations}}{\text{Total \# Points}} = 4/60$
- $P(Retire|X) = \frac{\frac{40}{60} * \frac{1}{40}}{\frac{4}{60}} = \frac{1/60}{4/60} = 0.25$

MINI CHALLENGE #8

NAÏVE BAYES: QUIZ/CALCULATE THE PROBABILITY OF NON-RETIRING (RED CLASS)

$$P(\text{No Retire}|X) = ?$$

10

TASK #10: TRAIN A NAIVE BAYES CLASSIFIER MODEL

```
In [107]: X.shape
```

```
(31962, 47386)
```

```
In [108]: y.shape
```

```
(31962,)
```

```
In [110]: from sklearn.model_selection import train_test_split
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2)
```

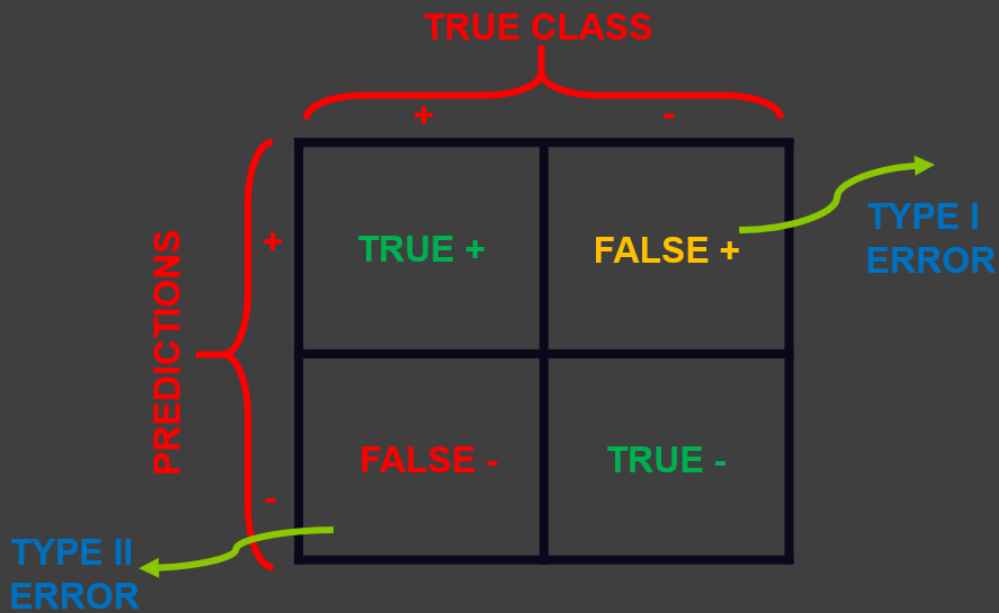
```
In [111]: from sklearn.naive_bayes import MultinomialNB
```

```
NB_classifier = MultinomialNB()
NB_classifier.fit(X_train, y_train)
```

```
MultinomialNB(alpha=1.0, class_prior=None, fit_prior=True)
```

TASK #11: ASSESS TRAINED MODEL PERFORMANCE

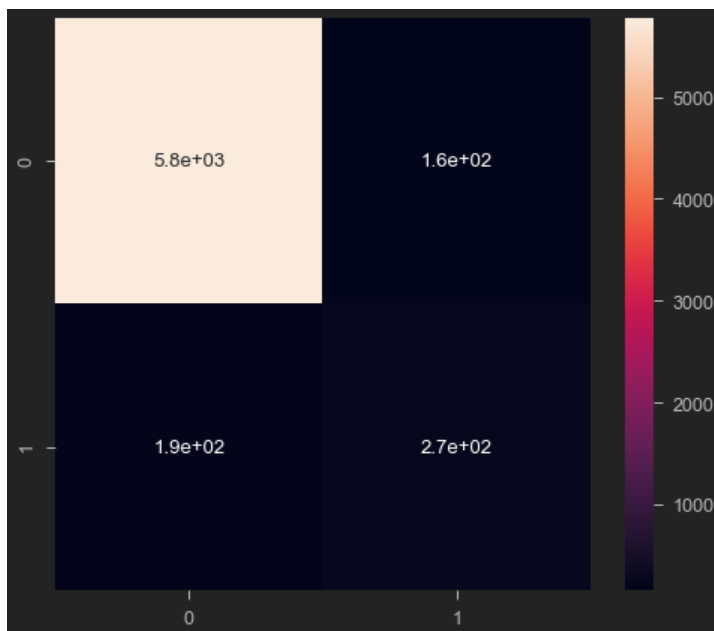
CONFUSION MATRIX



```
In [112]: from sklearn.metrics import classification_report, confusion_matrix
```

```
In [113]: # Predicting the Test set results
y_predict_test = NB_classifier.predict(X_test)
cm = confusion_matrix(y_test, y_predict_test)
sns.heatmap(cm, annot=True)
```

<matplotlib.axes._subplots.AxesSubplot at 0x20ee3effac8>



```
In [114]: print(classification_report(y_test, y_predict_test))
```

	precision	recall	f1-score	support
0	0.97	0.97	0.97	5935
1	0.62	0.59	0.61	458
accuracy			0.95	6393
macro avg	0.80	0.78	0.79	6393
weighted avg	0.94	0.95	0.94	6393

```
In [ ]: MINI CHALLENGE #9:
```

```
- Retrain and reassess the model using a different type of classifier such as logistic regression classifier
```

EXCELLENT JOB! YOU SHOULD BE PROUD OF YOUR NEWLY ACQUIRED SKILLS

MINI CHALLENGE SOLUTIONS

MINI CHALLENGE #1

```
In [ ]: # Drop the 'id' column
tweets_df = tweets_df.drop(['id'], axis=1)
```

MINI CHALLENGE #2

```
In [ ]: sns.countplot(tweets_df['label'], label = "Count")
```

MINI CHALLENGE #3

```
In [ ]: # Let's see the message with mean length
tweets_df[tweets_df['length'] == 84]['tweet'].iloc[0]
```

MINI CHALLENGE #4

```
In [ ]: negative_list = negative['tweet'].tolist()
negative_list
negative_sentences_as_one_string = " ".join(negative_list)
plt.figure(figsize=(20,20))
plt.imshow(WordCloud().generate(negative_sentences_as_one_string))
```

MINI CHALLENGE #5

```
In [ ]: Test_punc_removed = []
for char in Test:
    if char not in string.punctuation:
        Test_punc_removed.append(char)

# Join the characters again to form the string.
Test_punc_removed_join = ''.join(Test_punc_removed)
Test_punc_removed_join
```

MINI CHALLENGE #6

```
In [ ]: challenge = [ char for char in mini_challenge if char not in string.punctuation ]
challenge = ''.join(challenge)
challenge = [ word for word in challenge.split() if word.lower() not in stopwords.words('english') ]
```

MINI CHALLENGE #7

```
In [ ]: mini_challenge = ['Hello World', 'Hello Hello World', 'Hello World world world']

vectorizer_challenge = CountVectorizer()
X_challenge = vectorizer_challenge.fit_transform(mini_challenge)
print(X_challenge.toarray())
```

MINI CHALLENGE #8

NAÏVE BAYES: QUIZ/CALCULATE THE PROBABILITY OF NON-RETIRING (RED CLASS)

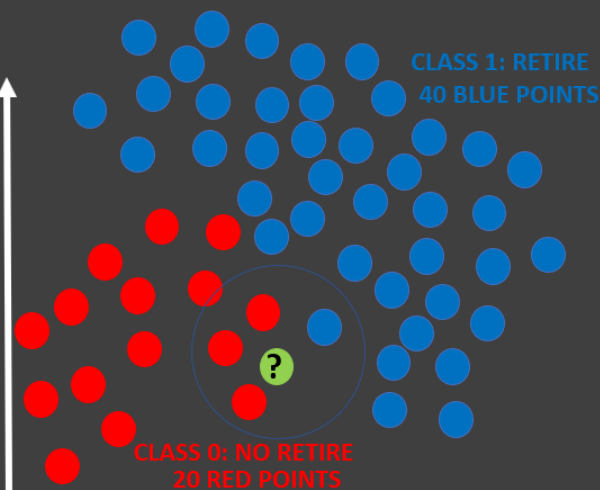
LIKELIHOOD ← PRIOR PROBABILITY OF NO RETIRING

$$P(\text{No Retire}|X) = \frac{P(X|\text{No Retire}) * P(\text{No Retire})}{P(X)}$$

MARGINAL LIKELIHOOD

- $P(\text{No Retire}) = \frac{\text{\# of No Retiring}}{\text{Total points}} = 20/60$
- $P(X|\text{No Retire}) = \frac{\text{\# of similar observations for No retiring}}{\text{Total \# no retiring}} = 3/20$
- $P(X) = \frac{\text{\# of Similar observations}}{\text{Total \# Points}} = 4/60$
- $P(\text{No Retire}|X) = \frac{\frac{20}{60} * \frac{3}{20}}{\frac{4}{60}} = \frac{3/60}{4/60} = 0.75$

FEATURE #2: SAVINGS



FEATURE #1: AGE

NOTE: $P(\text{Non Retire}|X) = 1 - 0.25 = 0.75$