

dl2

October 24, 2023

```
[33]: import pandas as pd
```

```
[34]: # load the data
df=pd.read_csv('/content/sentiment_tweets3.csv')
```

```
[35]: df
```

```
[35]:
```

	Index	message to examine	\
0	106	just had a real good moment. i misssssssss hi...	
1	217	is reading manga http://plurk.com/p/mzpl	
2	220	@comeagainjen http://twitpic.com/2y2lx - http://	
3	288	@lapcat Need to send 'em to my accountant tomo...	
4	540	ADD ME ON MYSPACE!!! myspace.com/LookThunder	
...	
10309	802309	No Depression by G Herbo is my mood from now o...	
10310	802310	What do you do when depression succumbs the br...	
10311	802311	Ketamine Nasal Spray Shows Promise Against Dep...	
10312	802312	dont mistake a bad day with depression! everyo...	
10313	802313		0

	label (depression result)
0	0
1	0
2	0
3	0
4	0
...	...
10309	1
10310	1
10311	1
10312	1
10313	1

[10314 rows x 3 columns]

```
[36]: df.isnull().sum().sum()
```

[36]: 0

```
[37]: df=df.dropna()
df.shape
```

[37]: (10314, 3)

```
[38]: from sklearn.feature_extraction.text import CountVectorizer
```

```
[39]: finaldf=df.copy()

finaldf.reset_index(inplace=True)

# text preporcessing stopwords removal and stemming
from nltk.corpus import stopwords
from nltk.stem.porter import PorterStemmer
ps=PorterStemmer()
```

```
[40]: import nltk
import re # regular expression
nltk.download('stopwords')
nltk.download('wordnet')
```

```
[nltk_data] Downloading package stopwords to /root/nltk_data...
[nltk_data] Package stopwords is already up-to-date!
[nltk_data] Downloading package wordnet to /root/nltk_data...
[nltk_data] Package wordnet is already up-to-date!
```

[40]: True

```
[41]: df.columns
```

[41]: Index(['Index', 'message to examine', 'label (depression result)'], dtype='object')

```
[42]: corpus=[]
for i in range(0,len(df)):
    #print()
    review=re.sub('[^a-zA-Z]'," ",df['message to examine'][i]) # we removed all
    ↳the numbers and special characters only allowed alphabets
    #print(review)
    review=review.lower() # lowering all text
    review= review.split() # splitting (converting each sentence into the list of
    ↳words)
```

```

#print("before stemming",review[1])
review=[ps.stem(word) for word in review if not word in stopwords.
↳words('english')]
#print("after stemming",review[1])
review=" ".join(review)
#print(review)
corpus.append(review)

```

[43]: corpus

```

[43]: ['real good moment missssssssss much',
'read manga http plurk com p mzp e',
'comeagainjen http twitpic com lx http www youtub com watch v zogfqvh',
'lapcat need send em account tomorrow oddli even refer tax support evid
though',
'add myspac myspac com lookthund',
'sleepi good time tonight though',
'silkcharm nbn someon already said fiber home mean least regular',
'c possibl today nice',
'nite twittervil workout ciao',
'danann night darlin sweet dream',
'good morn everybodi',
'final creat wordpress blog already blog seattl coffe commun http tinyurl com c
uufd',
'kisha cnt get u til get frm u rememb ur top',
'nicolerichi ye rememb band awesom pleas repli',
'realli love reflect shadow',
'blueaero ooo fantasi like fantasi novel check',
'rokchic prob sell noth blog http snedwan com get listen band itun',
'shipovalov quot nokla connect peopl quot',
'stay late start earli good thing like job',
'kal penn read new job congratul fantast',
'abl sleep think watch ugly betti onlin',
'woo thank ron steev follow yeow folowerssss haha p wanna got ellen show',
'aidenchan yeah sure sister take extra gd care',
'sian mous yay duck want anyth watch duck lol',
'smaaack ass hahhahaha make laugh ooooh sleeeep ahha g niit',
'woo late haha goodnight twittervers xoxo',
'look forward meet pastor kong jw later',
'doubleickey u know minichocol shape liquor bottl liquor insid em',
'test see twitter work thro facebook',
'night babi got vh thing check pic http twitpic com u http twitpic com xzl http
twitpic com',
'got magic number thank support',
'cold man love weather',
'ok guy offici launch new languag swedish russian realli fun ask www surveypir
com',

```

'ladi bought bracelet pictur twitter page background still wear week later taken like',
'dwanb ate filet american morn cant see pic mobil twitter',
'book hair appoint',
'report english b modern histori geographi b math b b account ipt',
'dtphulp lol know sound voic great need euh fine tune',
'cupcak heaven http ilovecupcak co za check shop nice design weird contact info popup tho',
'bought mh bundl creat task call quot mario quot quot star war quot quot hit list quot make sure sound complet task',
'someon turn shower pleas',
'frumousm yeah mani us angri feeter tim good lol good go havent post',
'carli love new song choru real nice catchi gud job track record jordan',
'tayjasp alrit thanxx',
'grapevin look forward new websit',
'modejunki awww sweet still cuti',
'rowanberri ohhh send load posit vibe way',
'tcouto cool stuff',
'celebr minor bank triumph bank b got one admit wrong',
'cosmicgirli think everyth cross turn babi turn',
'emmalight forgotten need sometim',
'tommcfli eclips awesom better new moon',
'tire today drunk husband roll bunch friend anoth drink noisi lot',
'ingoramm well definitelli worth tri notic differ favorit neither',
'mileycyru good morn miley',
'finish first shift door open already',
'noth quit like find good amp set solid state amp',
'gee lo paid made redund two week ago need job big time',
'watch steam train go back forth ravenglass sunni',
'nat ski bout steppenwolf magic carpet ride',
'shannanstedman haha maxx beat whippet',
'yaaaaay jac train sorcer level mean pwn soon',
'doggi cute',
'nicharri tell simon quot use tuk fm quot say hi',
'wildstarb happi rezday captain quit parti',
'car cost arm leg cute forgiv',
'tweet cracker barrel',
'ami said phillip schofield schofe legend ami need follow page',
'check new techno record juno',
'rln funni',
'go make duti tomorrow goodnight',
'starrgazr ye mam noth like start day good song danc move',
'go paint nail get food',
'athen',
'pjakob someon would figur access mp without actual pay',
'tootholog oh crap sure dare charg custom care india though',
'handmad good moment xxx',

'imasadgiraff browni good time day',
'check myspac look band differ state add friend myspac love music',
'happi birthday grandpa cat still love',
'fiction nose clog use plunger',
'inqu huy matulog ka na hahah cbroom done yet take shape',
'adamseo come better time',
'day school left week im beyond excit saturday',
'simpl girl oatmeal make realli happi morn bloom wisteria',
'beverleyknight fine thank keep beauti alway',
'aplusk that beauti love thing say',
'dougimcfli chang name michel',
'starboy yay well dont feel spesh',
'anoth year older today least sunni',
'kduros yep fought back well think turn decis moment win leagu though',
'louiss thank live florida sinc miss snow',
'goin abroaaaaad tomrow dubaiiii wait long twitter room prodigi sorri peep',
'melindsey lol shame',
'urbanfli mean c escher painter dj',
'wish school like revis session class non uniform abl laugh learn time',
'nothin like good book spring clean http www mrsdlight com food storag pantri
clean tip html',
'kerryn thank appreci feedback',
'listen music',
'mileycyru hi mileeey friend wait come spain excit love song great',
'robotsarecool anoth big tabl touch screen woot http www tuaw com illus lab goe
big screen',
'nikhilnarayanan mistaken uncl pm angamali antwic gone case shavam',
'jptoto caus gem',
'offici result came pr seat wherea bn seat congratul pr',
'glove thx advic wait petosin kick',
'im play hooki work today voic realli gone tho im home today',
'love spontan road trip',
'love tweet day today work must get done tweet god bless everyon tcot',
'pepperfir friday yet babi tweepletuesday followfriday',
'take advantag sunshin go take dog beach walk work day yipeeee',
'still employ troubl stuff sweet',
'let see well hour sleep hold today predict massiv slowdown funni',
'came back see againn gooddd lt',
'superhooti mayb mayb',
'kimkardashian sooo watch disast movi absolutli hilari ur idol',
'kvanduynd happi mandi safe trip never va beach enjoy',
'jmacgirl sign extra credit',
'fall asleep goodnight everyon',
'hwork live twitter api land long call outh button http bit ly yrh',
'mate gunna chekk movi next week realli want see boat rock',
'bananaanna mikequad total agre anna',
'worde follow us contact',

'love good book',
'sister anoth mister kayla',
'sun sky light way time promis willlll',
'betti sound like pretti good night',
'accord roster hockey season bad hah',
'happi gilmor',
'nick carter lmao guess friday bad',
'waynenh wish follow could follow wayn',
'time shower french toast togeth',
'myucan daamn im even go ask bore come hk',
'today thunder louisvil start derbi festiv love festiv even go',
'good mornin folk think make coupl home made egg mcmuffin go excel coffe clear sunni mornin',
'think kellan lutz hot smoke',
'okay torn apart work fresh coffe amp peanut butter toast tri put back togeth less crap time',
'relax guest come hope everyon like food know morton made plain rice',
'surfislikeaboss hair red da light blond black jamesissexi hey hotti firesti da girl',
'today day',
'shop queen st sun yesterday like last time need find sf equival experi',
'backgammon birthday meal friend later',
'donniewahlberg holla chill way buy mapl syrup mmm hope great morn',
'mabelkatz look ok bit byte clean ho oponopono',
'azcameron seriou busi',
'lllllois made na twitter haha upload photo updatee',
'linacyru heyi aww thank much hun rock xoxo',
'heidimontag heidiii love new singl blackout amaz think dress amazinggg im jealou haha pleas answer someth',
'nubianeagl tempt morn randomli woke fallen asleep saniti import',
'saidthewhal great photograph saw guy play westjet street parti short set awesom nonetheless',
'amandabyn realli like ur fan love ur movi especo man funni love lt',
'meday right back atchya hope great day',
'got showerrr myspac',
'gonna hang two favorit peopl http plurk com p ovm q',
'pipe call bigthang',
'theendtim lmao love good comedi',
'koldcasttv beautyboutiqu thank follow',
'realworldmom',
'twitter look miley cyru luv xo',
'kimkardashian hey kim im huge fan ur like role model realli hope actual meet u one day',
'go outsid',
'ddlovato oh demi sure knee slapper',
'alyssa',
'mystica hi luv sound like busi day hope went well',

'watch bradi bunch',
'go mall',
'mad tacrain kylielanejona complet mission without app good pretti',
'love sound break glass someth cathart',
'boulder creek gram',
'mebrowni love babi',
'gisher retweet person believ tweet effect weekli purg take care thing',
'ddlovato aw safe trip sweeti ill miss ox',
'lodurzej well pizza good',
'qotd quot hey still told guy stori english heritag fella lucki still aliv quot yawnerddn',
'still sit mayb go get air serious need help life almost clutter room',
'nakrissimo come could use nice decad parti',
'around',
'selenagomez love selena gomez beauti role model idol would happi repli',
'sassycat mommi',
'beer amp corn dog know weird combo santa monica pier',
'cloud hm take essay go well right perhap swap noth left lose lol',
'tweetup afterparti genji',
'back work twitt ya laterz',
'go church',
'teh joker yeah im done puke crown coke',
'oliverwalton know im normal il though il cool see happen world twitter',
'wife shop great mall milpita great price us dollar still reason low us',
'goi reedbox get movii',
'sadknob good thing p amp k day job',
'capecodgurl sorri spam troubl mash multisyllab word hate finger',
'statesboro fun see greenjacket augusta tonight',
'kelli fact know librari close lame',
'carysss oopssss forgot put ypur link begin haha case realis hope feel better',
'hi loriblu would suggest music electro project http bit ly kof free download amp fun cheer',
'elicab aw well u ever feel like fli con help u find place crash flew london buffi con btw',
'fabul hr run desert missi kaya run errand buffalo burger',
'go old school play super mario brother',
'head clear lake meet ken coast guar aux dinner hope road clear feel row',
'nicki power truli addict twitter link facebook twitter togeth updat one',
'michaeltyl way least rate though may even bake someth tonight know',
'kevinmiam thank take inspir today test',
'ladymelancon hey',
'thethirdrat oh good thankyou',
'im feel peac room clean ny hair cut think im readi nap',
'parti tonight j loung downtown la nice sunni day cali',
'theros guy come washington state total crush tacoma mall pleas lol',
'meghan xoxo seth mcfarlen god',
'vismajor glad guy wonder weekend',

'goodnight',
'ohhushmus sure bb',
'robysnyk half taught half actual learn viva la vida coldplay epic song',
'sugarhustl hehe u funni follow',
'watch nci grey hair make mark harmon attract think',
'readi patron hollywood phathead bday',
'laylakayleigh go skydiv ill let know next time im town',
'sambasel noth',
'talulakim yearbook closet look moro u still curios um ki bju go school exactli lol',
'new osalto blog post http tinyurl com dnbrw enjoy',
'blast across univers soundtrack',
'angmogirl oh worri gonna bad co sunday',
'starpadilla lol realli understand twitter quit yet got repli chipotl that cool',
'billi g cool peopl herebeforeoprah',
'fun night got see nevershoutnev andi holidayparad yay waitrewindthat took ihop yum',
'oliv long get readi come',
'britneyspear show last night amaz glad abl go',
'zenzi ye nyc way love hate http twitpic com ky',
'respr btw meant tell earlier sweet shirt wear afflic ufc shirt still wait cool card get auth wear',
'exoticqte u learn',
'skype endless fun',
'bali juli japan good time go japan anyon',
'britneyspear thank follow back',
'azthunderponi nice think get sleep enough energi enjoy horsey day',
'join sleep mon tue trackday njmp cbr rr http www njmotorsportspark com track html thunderbolt',
'dili thank huge hug',
'fureousangel recent matrix trilog sit tire awesom matrix trilog favorit sci fi film stori',
'audbal xo total agre beyonc stupid ali larter',
'jimalg forget parent often think offspr yo',
'sophiethcock wardrob often made chees eat',
'went wallyworld today awesom time get kewl easter basket nitelit comput',
'karencivil okay text say wake lol doesnt call pm time thx karen',
'sleep',
'watch idnhu vid',
'lizinhollywood wait',
'roxxinikki happi birthday take plenti pic video rememb later',
'good night tonight journey twit end tomorrow see ya tomorrow',
'oddesi congrat cooler happi birthday miss love',
'night twittz ju came home parti love hella tire allerg cat ew irrit',
'happi easter everyon',
'janinealino janin whoa dude hahah u realli put thing sent u sa fb ahaha gee

tnx janin',
'neildenni hehe yep love car boot never usual buy much heh',
'iamdiddi love diddi diddi live gt http bit ly ben',
'finish eat drink badg gt http twitpic com l lt look',
'readi go bed long day today good night',
'authorlisalogan oooh cool cool thank much inform',
'knighttim love',
'hannahvictoriu organis properli next time glad enjoy',
'toursotland got must recharg',
'com myst blgspt thank',
'brob good stuff woop look forward tomorrow good day mr brian',
'irish morn irish btw',
'omg fix ipod',
'think read real blog www lisarcast blogspot com awesom like lol',
'congratul hate',
'ellaeslajirafa quot quot dai blackish green quot quot si silk quot quot silk
blackish green color hope like',
'jonathanrknight',
'sweetpea back school univers moro realiti bite great break tho feel rejuvenin',
'anishafLOW thank feet leg ach comment eas pain',
'walkaboutkiwi l till wait u kekekek jk',
'anyon care comment last night hell kitchen well',
'build websit',
'watch wizard waverli place lol lol lol',
'sacc meet parent',
'kurioustrina awww thank call sexxi thought forgot',
'stare stupidli front dad haha look like einstein',
'yet see wast dream deserv tear face see smile lt',
'good night twitter shit lol im fuuuuckedd
hjdjjsiurjhjffhoipwplkjdhjdhhjhjdxdhueuhrjjjjjaaayyyyyyyyyyyi',
'borrow georg http blip fm kpxr',
'champagn breakfast bubbl went straight head tho lol',
'em c good tri well done paint way',
'tommcfli welcom home',
'todd saviour goodnight facebook',
'heard bootleg remix quot u seek ami quot kiss fm chicago',
'stefani go ahh vampir haha pale naman ah',
'road wife st triathlon updat hr call paramed',
'gerardway waight till new albam guy save life rock',
'feel like eat inch pizza yellowcab someon give haha',
'happi sunday get readi go church love god much u take care friend',
'mummi fitz take dad',
'fortheinsan tomorrow comput phone right',
'heath lololol love man ugg',
'ooooo chang',
'sammi read amaz sunshin love thank everyth bet feel love haha',
'night awesom slept watch kyle xy supernatur great',

'kimkardashian kim sorri sun burn lol hope feel good follow p l e e big fan
lt',
'lunch dishwasher back',
'jonasbroth http twitpic com br p omj look hot everi pic love new haircut',
'nonafairuz f u follow haha',
'jackfaulkn ah nevermind thought count also quit predict',
'last night good watch pearl harbour elli ben afleck amp whoever play best mate
fit anth fell asleep lmao',
'rachaelphillip got beaten less get beaten without',
'love night',
'shani epa umm arrang would earliest day could get',
'gourmet make co one mango short use fresh mango season',
'home famili wet co rain got call dad bu co mum got worri wasnt home yet isnt
sweet',
'madmagz hey hun great see u twitter hope u well x',
'skinkl yeah right',
'awak lovin arttm ff main h ever',
'hethfen great thank make music good today',
'way airport bye bitch',
'longest sound check ever long time type stage',
'rosevib well next time next time',
'anyway sarah prout wish best luck hope fun process cheer',
'ellemarten would love see write think great writer judg',
'kevinculli make sure take fun fundament',
'birthday final woohooooo',
'wonder capcom found necessari comic increas zangief bulk throughout street
fighter game',
'super tire earli awak weekend king island later',
'gosh like sayig funni gosh haha meen word self',
'nick carter http twitpic com knrc okaaay that crazi luv erm blue omg',
'melraemorgan thank younger use hate bulli ginger love x',
'reddic miss star trek movi trekki cross dress confer go type lmbo',
'updat myspac accout love playlist gt http www myspac com samanthavillanueva',
'raecheybabi already bounc back meltdown catch breath',
'ashsimpsonwentz hey',
'maron breakfast tomorrow',
'olivosartstudio oh thing similar time thank give name research',
'happi birthday',
'spaniard notic galician accent speak english find funni',
'etrangl http twitpic com l mv mysha amp myreen cute',
'peac sunni',
'go spend sunday famili',
'sofdlovesbsb lol bet station hear alot let hope singl red hot',
'mayb connect shite everyon beat',
'end nearli sight thank god got cheeki bit supernatur background',
'akamonti irish german spunk mix',
'mikeneumann hahaha know uptight thank handsom xoxoxoxoxoxoxox',

'look boat rental lake eufaula famili visit recommend',
'birthday',
'good tranc music gt redbul asot',
'first opi ds desir prepar tri',
'joeyjepson nice choic anyway thought mayb artist',
'ever sinc bought macbook send much email fuck easi becom spammer',
'erniehalt welcom back la congrat shout look forward resid hc',
'ryanhawiya yeah wouldnt care disney channel movi realli wanna horror
thriller',
'gosh realis much film studi work pete set us meanwhil go watch motorcycl
diari',
'ye littlest houseguest go home today already turn great day',
'excit friend date today',
'watch nba playoff coverag favourit question jazz chanc laker everyon answer
far',
'violetheverbos men annoy',
'spend day sister',
'watch footbal',
'hope everyon swell day',
'diana duncan need outsid littl get fix fine glanc window puter thing',
'diggin mah new sweater',
'jonasbroth ilovelovelovey',
'affirmationspot word may want one u finish',
'anyon give away iphon lol realli want one anyon gener',
'thank new follow appreci',
'badbadgirlx good luck everyth great around',
'jonthanjay awesom one cool game',
'get readi go bbq babi daddi hous wife kidscrazi huh peac rockin bob marley tee
j',
'chrystinasay cant wait til come halifax juli babi got ticket',
'nicoledeb dont much clout would def give arugul thumb',
'gojeffrey sweet ride day green lizard lol',
'also inbetween class',
'deabush lol know mean',
'studi happi everyon xx',
'moonfry would son without doubt year old air breath amp love life',
'take lunch break great rehears',
'crowsond care tweet',
'great show night excit anoth',
'escrov lovee sb',
'wanna write review film amp music releas go amp leav place long time cours',
'kameshvari thought imogen heap dude first time heard sing low first album',
'jenna glass ahah know want follow toooo',
'chang email address old navi newslett got anoth quot thank sign quot coupon
awesom',
'fina cut da celli back n c dun texd den hit da frenz amp amp c wat iz fa
dayi',

'tweet first time watch music channel',
'ddlovato think need know could go parti pretti amaz',
'locaoimh thank comfort intellig rhetor',
'well chuf surpris flynnmiest balloon present',
'alancarr ferrero rocher go straight hip enjoy',
'donniewahlberg happen celtic glad la girl utah go',
'merrymorgantown realli hope arriv rd th pari nd week back august th',
'glad pour bit',
'jemarsz paint one chadreev put finish touch',
'smck sorri hear root canal good luck fun soft food',
'selenagomez love movi zac awesomee',
'see car behav strang traffic worri signutz drive',
'kpacek lmao aw amaz dont think could ever get use thing like hey that hah aw
dna stuff',
'best movi ever think everyon justic go see',
'yasgar aww aaron nice hear see say need edit bit',
'ccab oh think figur cornucopia amaz like chocol cover one yyuumm',
'rawrstar well dollar hand tourney yesterday good',
'shit lame foreal lmao hey follow',
'kkd thx fb u like go http node fm manatmous amp get album mine free donat
great time',
'derekinpa hahaha yeaaa that good one notebook',
'ashyeee giirl u better take care shit lol goodnight tweeti',
'brendonuriesay http twitpic com mr r bden new puppi cute love pic',
'morn tweet devil ot nd',
'imrananwar agre sir',
'need talk mynameiskaraaaa well life pretti good fun stalk',
'nice spring day bird tweet away',
'khale hater done soon enjoy last time hah',
'jestertun meh know polit correct color guy',
'keroski buy cheapest good thing that got mac mini',
'kinagranni davidchoimus think cover lucki jason mraz colbi caillat',
'asleep',
'ddlovato silli danc tryout friday find today made could wish luck amp pray
pleas',
'glazou difficult extract wall garden hm blame w c everybodi els soft lock',
'updat profil hard fit char twitter malta',
'rsuenaga thank bring ticket today',
'jimmyfallon suppos gonna drink twitter anywho',
'justtidbit thank ye expect sure yet due ultrasound may grow fast',
'thewildjok alright follow hope follow back',
'remov expir offer weekend lot expect day today chri',
'bom dia twitvers',
'day hr min la flight',
'everi muscl bodi sore weight great damn middl ear problem whing whing haha',
'maisi loveeee',
'junderst ll hell imma wit caus class',

'coollik thought might show tardi ipod http twitpic com na',
'good morn everyon',
'shaundiviney sound hardcor',
'wegmus pleasee pick realli realli want pictur',
'weather like london bright sunni warm look like spring',
'mileycyru great movi keep good work',
'watch becom jane aww jame mcavoy irresist hawwttt',
'icharlott imo superstar hush feel realli btub long weekend',
'jamescaan let us weird busi see lol',
'jennylau aw cutest jersey send love especo tini dog',
'willryk tweet mean zero updat unaccept unless drink tea two eat tofu tutu',
'sznq heh fame celebr refug look narcissist',
'owlciti music help sleepless night',
'stay late help friend',
'gehan hehe erm googl thing pretti cool gonna next cover',
'monkeyspaw start accus us get',
'chunlum jpn koto longer amp string carri koto amp taiko part time job',
'sun shine',
'look use realtek ubuntu server lt',
'rmilana great thank thing end',
'gillyhtttfan look forward see plan go back next year',
'set new macbook',
'good morn ppl hope get rid monday morn feel',
'redheadlori pcjbfan final broke got tix yesterday seein ya tampa fo sho wait
til august',
'fourzoa yee oh love see anytim town',
'ewww wateri tea bag brew second peopl',
'chang name kinda match mi real name peopl know find better plu elliewoo fun
say',
'lironst mmmm ate yesterday',
'eterna dreamer pick tri escal someon gonna leav easi',
'jazza uk hah broke',
'eeeehhh doubl scoop ice cream lunch today bliss x dessert bar promot rm',
'ppinheiro umm realli fond make isacosta event would make nervou',
'ricodaniel dont pop see england perfect opportun talk busi think',
'emmyos im repli',
'atlumschema rather nervou neighbour amount smoke produc obscur humbl natur
littl bonfir',
'last thing know stay bless everyon',
'hope good news week',
'allegromous good morn',
'creativ thing speed experi jetblu though ankl hurt littl',
'good morn twitter critter',
'ugh soo tire get readi school jp soon',
'pgeorg prefer run nativ osx app',
'msn night say pretti good',
'ddlovato good luck uk releas yer album today got love',

'yofia cours left dd start cough etc poor dh',
'greatest th wed anniversari night tonight nhl playoff game watch wife romant',
'new twitter world think ob best use',
'mommynack mean make blog invit one reader email mistak ask permiss read',
'http recipekey com r zykfx great veggi lasagna happi marathon monday boston folk',
'everyon go outsid take deep breath exhal well wonder enchant day namast',
'ninahayden rememb award elementari bear creek nice school recogn hard work',
'tommcfli take photo dannu pl',
'kkozmic nh terribl solut report side cq daab better v write anyway',
'shannamaclasco sarahfredrick start step internship may th see',
'enjoy nice cool breez new desk fan',
'cescadoodl offic speaker headphon great great track got album home',
'ksprior post someth moron',
'atomiclola awesom glad like jealou',
'thing call twitter com quit like',
'tgn nope',
'lindajhutchinso happi birthday great day thank follow',
'visittampabay thank tweet itali sure',
'silixel put anoth way quot rememb uniqu like everybodi els quot',
'pursebuzz g mornin pursebuzz coffe',
'meesterbob chinchilla amaz loaf one kind',
'leav northpoint c g mtg head crabappl middl tornado shelter safe',
'woken love phone call boy great start monday feel great',
'kwidrick awesom great week',
'startaton non fat chai tea latt',
'mileycyru take care',
'understand gotta work haha chew gum feel like smoke dad big smoker know thing lol',
'walk home school look like loner funni day school today',
'shapingthepag yep stuf great littl app although admit use',
'nezua hey hey',
'theamazingchas sheepi sheepi sheepi sheepi wake',
'kencasey mayb new begin draw follow',
'right wll bore go busi mindless crap back inabit',
'brother rat yep one thing fantast support emphas enough keep get better better',
'caseymairex awww',
'sweet dream twitter',
'llmmcc gonna drive drill back',
'think enough tweak twitter home page might david sall',
'biggznm shop',
'shakenbak hour hai nick',
'craigsbeardwax goodnight',
'dizeman haha thank yo',
'start realli love run anoth mile',
'arkadyros wow gorgeou',

'dentist said teeth good bit clean polish good go',
'acidicic thank got work eventu',
'im gonna see raphael saadiq perform live tonight',
'donniewahlberg freakin miss guy want go everi concert cant fresno luv',
'boy back today yay',
'back later tonight bye beaut friend keep send love xoxo',
'back draw exercis sleep',
'bram hope like even fiction',
'joliesouri work add u u need go sleep sorri made u come great day morrow',
'doveypoo see doctor yet feel better soon',
'pretti good day today went parko jeremi smith',
'thevervekid thank much learn still pleas keep awesom work vibe cya friday',
'http twitpic com pd makapu u beach camera phone awesom captur blue',
'robin sharma http twitpic com ovto sell ferrari',
'rhyzom blog pretti lame stori unreleas bike seat tip awesom',
'roxonfox hey what good roxanna',
'merejam yeah could see pic might provid problem lolz prob less',
'got home bought hey monday heymondayonlin album today glad realli good',
'caffien',
'ebay n bought sumit sum special lol',
'nethrow love version cool',
'mensdomain glad hear sweeti rough day feel much better thank',
'briggysmal happi st high five dude',
'noth better guy love pluto back',
'adelablu still dev live beij',
'thought lt part make feel like still care still',
'amaz day today relax refresh much fun',
'help cultur shock sd join us hooter mv wednesday check support us drink
merri',
'faf think drive dublin berlin someth',
'still figur',
'woollymitten congrat mate final away cow live flat raini grasland citi head',
'prernabhagra welcom twittervers prerna',
'paper hand make giggl',
'eliebel lol see gorgeou friend play would make holiday extra special see
england',
'bergmann thursday follow back tweet',
'radio station anoth day',
'sassyshannon lazi want phone bb still novelti http myloc pq',
'susiewilson dramaprincess melbourn australia question',
'walk run eat laugh eat eat laugh sleep perfect even ahead',
'came home market market watch jash cheerdanc competit fun',
'luiz thank think aloud thrive healthi pressur right fight flight choos fight',
'survivor ummm like vote pweas',
'contempl goal art weekend ye know tuesday',
'cantu easili distract tho cantu look squirrel',
'gilltaylorphoto money issu also wep horrend insecur feel trip stafford come',

'kristenstewart hello kristen love work',
'luceyloub think fall love xxx ilovey',
'queen yinci ok cheer hope amp famili well',
'fare thee well tweetdom',
'dizzyfeet good witch bad witch glinda ugly',
'hey want say hi thank new follow got past day',
'manuelkuh thank made day',
'ano tong twitter',
'ehayen think fun talk radio big plan',
'mediahunt yeah least use twitter babi step reinvent',
'great earli morn workout get readi work',
'woo lesson cancel afternoon',
'gonna go eat lunch yummi veg soup crusti bread',
'yatpundit countri week',
'actual go delet wordpress minut anybodi use wordpress pleas tell',
'home quiz wooo',
'debbiedavi shape differ materi differ purpos',
'anoth busi day client amp prepe hear next week',
'mryat plan hold one ireland',
'good morn',
'bought ft long puzzl last supper mail wonder mani piec',
'stuck use verizon wireless card stupid internet apart work give go bed earli',
'lmpotter near bellingham waaaaaay northwest near soviet canada amp ussa
border',
'cheesecak factori yay',
'wow need breakk prom tmrw',
'derunkah twitter woouooooo downtown enjoy last bit sunshin',
'glad graduat parti went well go bed see cousin prom',
'vote seanjohn com face futur im page least last page',
'omggggg later practic tire',
'search new rington im thinkin someth loud hilari know',
'hang best friend give makeov watch camp rock',
'krystalrene cheer look yummi fruiti drink respons',
'say hello nath',
'hamthrax glad kitti swine fine',
'tuck babi barley hang',
'stabotag share',
'murray think adork',
'fredwilson local pub call fli pig',
'websmith find interest movi sound like good one',
'way marbella spain see u guy later',
'mysteriousmysti hope u alotta fun see green day awesom band',
'clinterior happi weekend great father good morn yet side globe',
'son came home colleg quot definit graduat june right quot quot ye mom quot',
'guy go site http tinyurl com cbc r unlimit free rington',
'theresanoel okay keep look',
'gk minusalltop n regard previou note see account non alltop tweet',

'feel pretti sleepi want hang tomorrow hope prom kid fun',
'think time kill zombi',
'sweetwhirl thank followfriday mention',
'go bed gotta lot energi play littl man pooch',
'good night went dinner mom get paycheck coffe realli low key tonight good',
'artdoodad oh fun love process amp get use result send link make stamp want
share',
'hey messag wear peac bracelet repres',
'gmmlive tomorrow go bright amp earli tent',
'howlingeverett would cool got right monkey made fifth one',
'kath enough bodi hair qualifi',
'bed time',
'melissamoog date alway end twitter anyth web site',
'ronni finish whole bottl wine biggi realli shrink said bottl hurt',
'gonna good time screw everyon els',
'ethansuple oregon got marri oregon',
'daniel know right like quot super quot follow',
'thank everyon follow realli enjoy tweet may tweet happili amp merrili
continu',
'revstacey know number',
'twistedmacsista anonim advantag',
'hope bunni find carrot left',
'got earli took hour nap blowin amp watch movi',
'tinyvamp sure recommend like everi scent http www waxmancandl com index php',
'good night everyon love craig',
'whatcaitlindid long time twitter monday busi could help revis math good
teacher xoxo',
'shannonleto aww bless',
'goldyfinch late hv already cross dark side sticki toffe pud year wish luck amp
thk tip c cream',
'vampirekitten lol sound like everi model ever work must get hang',
'debat boy color write pitboard today lol',
'love new profil',
'raeknightowl haha lord heard prayer',
'http bug launchpad net bug realli need get fix',
'nickgonio thank made airport pete passport seem work see ya week',
'awak readi day',
'winson great look forward feedback',
'londicr hi londi thank compliment love work',
'wast servic keep track servic avail twitter',
'sofia wont read till get back youll wait line right lol day final here lol
much fun',
'go fli turkey coupl hour',
'davidcoalli cakeri',
'ye ye',
'marco cali nope unexpect happen sister arriv home im gonna spend time',
'follow lc step pratt miss hill havent seen late',

'yehey may pictur na ako',
'robpattinson love work twilight',
'listen new maccabe stuff',
'assign',
'good morn friend yonishtrash hicer bobbarclay snooki amiti cafe uscrudeoil
great day',
'http twitpic com ead new haircut yay',
'locki got vapor rub',
'drinki dranki drunk bed feel nice im listen kaskad cuz well gnight suckahz',
'got email euromillion enough set record label least get first round bar',
'perrynobl think chick fil kinda morn anderson c mon perri know wanna',
'hannahwint look stronger',
'rise shine twitter go feed homeless today get dress set go',
'larasexypanti hey need chat sometim soon hope ok',
'classic one hit wonder fail get ya movin come eileen http blip fm etcn',
'starsnostar next make penis work art cours respons would quot understand
quot',
'toysreвил astrodud post man let know arriv wwr piec btw',
'brianzwolinski good luck hope your well',
'emilyhal follow mcflr fate ahahaha',
'ct x thnx found',
'watch one tree hillllllll',
'createandinv make third need fuel busi day fill order',
'antiquebasket complain',
'netflix awesom custom servic mention great product',
'mistymoodl cool',
'daniesq know alway earli weekend',
'mariahcarey tweet might well chit chat haha',
'drink much vodka haha yay',
'clothcouturellc guess specifi kid need news one',
'chrisbrogan quot summer look quot mr brogan',
'trevermendham thank followfriday head',
'itswendyl thank happi saturday',
'buhahaha time massiv follow furri',
'realiz pit hand toilet thank god noth button work',
'marshallkarp ps blame mr westwick total',
'matttbastard uncool think drink ars feck think',
'hooray stalker spi spi find ok win round hide n seek',
'mehmetemin realli great song',
'onfrozenblog see sinc citi field first hand knowledg',
'jyonjacob ed westwick hot right',
'well goodnyt tweet tomorrow',
'think templat plurk gue yg skrg gimana hahaha http plurk com p bd',
'good morn tweep day begin wish luck',
'earli saturday mad',
'watch twilight comentari',
'way work bead store last day home work new jewelri design',

'hotsport man would awesom bet kid would get along famous mayb one day happen',
'mommi jl good look said littl prayer littl one',
'omg rain go sit outsid get soak wet second thought that bad idea gt lt',
'well new colt post myspac websit join us myspac http tinyurl com cnyn l',
'aceconcierg enjoy weekend suzi',
'doubletroubledi lulu follow twitter',
'like awaken',
'davorg case im gonna start tweet nymphoman pub owner like cook well worth shot
eh',
'calliesink pleasur thank',
'love wolverin',
'xoxovideogirl hey hun good thank ye still rememb user pass check',
'new day time sit noth hour gonna home day call wanna talk',
'whew homepag design done done',
'think motion citi soundtrack need start record already',
'akparisi thank',
'emot stuff human love accept exactli',
'heartoffir okay doke u neil',
'djalizay ill walk love anim',
'paulissima real life offlin worri happi',
'crimesinthemosh gonna buy plane tix convinc wait day monitor price trip
confirm',
'high hell like forev watch mtv cindi',
'ototallyuniqueo good thank',
'queenoftheclick sound realli good probabl leftov good leftov dijon chicken
frittata',
'bloggernott due three week normal would jump chanc work new project new ppl
pretti cover',
'pupakat agre friend work citrix use work appl confirm well done',
'listen mix cd kayla burn',
'marybeverli send sun way plz nyc call lotsa rain',
'richardhil next post sent star right star lil swirli arrow arrow sign',
'time disconnect fantast dinner wait great friend cant get enough',
'dayvon lol sure haha gt paypal',
'well saw inkheart quit enjoy realli',
'saw gentlemen honor societi soundcheck',
'nkotbgermani',
'hellogoodby walk distanc hous exactli hour bad cant go',
'wowzer twitter absent funilli enough wthdrawal symptom woo hoo addict',
'newedg thank follow new icon look great',
'love smile yea old school r amp b',
'deirdrakiai think gonna demand pic one',
'quicki workout amp watch satc',
'hi school model search work today aka employe get dress like win',
'elenaxoxo ow burn didnt go away month feel better',
'anyon els live area resist chang hard get peopl join quot green quot movement
frustrat',

'last min trip austin woot',
'hair done',
'monkey minion',
'well hello rain mother natur way forc wear hair curli formal tonight haha',
'http www justin tv nexi lt watch u love mlg',
'mirandabuzz well go go bed tri sleep sick good night',
'tinyksass oh well ti first time',
'deker think site stupid care still sweeti',
'first day twitter world complet sure goodnight world',
'moviesontcm problem',
'one song littl boom boom pow bed yay late night',
'arriv north carolina',
'wait leav watch wed crasher',
'yipcoyot saturday night',
'goodiemonst quit endors request key golden palac',
'katelyniscool meow loud meow ass meow floor laugh',
'bunki sound good',
'justbon eurovis exactli',
'benjaminw glad ya like think blue moon accept dude',
'damn youtub delet find tweet',
'chri emerson damn that suck well guess tri next time already follow hehe',
'oh melbourn least u kick goal last qtr',
'start paint old bath use flower bed iz creativ',
'scarletmandi good woke tweetbrk nap gettin tweet whoot whoot',
'bridget cook keep preserv share recip pickl sure',
'mambampv lmao told laker armi myspac go jump',
'mileycyru past bedtim kid',
'pleas visit follow site http www youtub com helloimnicknarnia dont afraid',
'peopl get ont twitter late go facebook',
'got www tourcrush com messag board talk prop marriag http tinyurl com cjvbc',
'benmschofield heyi check ur music ur myspac love xx lt',
'raspberri fill chocol ravioli high',
'alvinko got tweeti ipod touch pretti sweet ha got chanc listen fleet fox yet lolla',
'man crazi connect world creat take step back freak',
'sethfan gonna restart comput super quick min',
'snedwan good luck today fun fall',
'http twitpic com gw e minauderi true',
'courgamm hahahaha luhhh lt ttyt',
'hillao guess',
'hello world good morn sunshin good see fine',
'somersebob morn bob hope good day today',
'lenuag nice meet u chile wait ur answer',
'watch v v turn goodnight',
'figur want dream build',
'got clubbin feel way awak wanna go anoth round dammit',
'verkoren blip fm song post twitter',

'predivorcepow like outer circl inner circl step back lot distract thank',
'runnrgrl thank ill tweet updat',
'gettin ticket dour',
'joyandlif thank much ff beauti sunday',
'forsgren',
'jay brother soooo tire',
'pjredd read quot atmospheremong quot see mistak sorri interrupt josh',
'maryborough rsl guy electr guitar play great music sweet home alabama april
sun cuba',
'shower soon read geopolit listen king leon',
'home relax cant wait see besti morrw hope well enough go citi woot',
'mariosoultruth mannn im amp quot quot break banga turn sexi slow ballad gon
hott',
'sam inde someon said pertin question quot u still speak esperanto quot',
'good morn world idea im earli let chat hit cell wanna',
'glastowatch thank laugh hope pig start worldwid panic well',
'lt x men sooo mani hot men yumm',
'treknerguy repli post thank hug',
'shaundiviney sure',
'minut till get smelli cast lol rip fat ranga c lololol see fighter lol',
'olorinlorien hungov stop drink last night bodi said still lie bed
nicolaherbert make tea coffe',
'candyma candi dont stop believ',
'watch logi eat home made pie pj awesom night',
'sent email toni blackburn blame lol',
'good sunday twitter ride die peep',
'obox obox game know great day',
'oh hangov kick like everyon sunni sunday afternoon',
'redcherryxoxo visit kimbobl',
'chrisvanb heck ye hate stuff anyway say buy',
'sushi could mistak made bigger one',
'mojoguzzi drink cognac yesterday afternoon actual ye medicin purpos must
think',
'epcotx twitbotnew gmoney ty folfriday recommend twitter cheer thank gmoney',
'follow dare',
'join forc great night end stay booti beast social night jam thank',
'pacquiao realli one filipino pride',
'ook im goign watch he hope good',
'sophiest good luck sophia',
'llisalang',
'via paulaboardman checker look like cross denis ozzi http twitter com
paulaboardman status',
'scope phill thank model playboy',
'last minut rhu monday interest peopl inspir present juici steak http cli gs q
yx',
'northant motley moot beltain picnic sun woop woop',
'torzilala yeah surviv went doctor bit wors flu good day',

'drink milk eat yummi cooki life',
'might wet excit day footi sun wine pizza liv',
'dominiccampbel annemcx part quot bank quot group westminst http bit ly cb
still got theme',
'dave matthew best http blip fm h es',
'watch jona',
'anfield wait game start',
'lexistargirl amaz hahahah thank couldnt believ saw realli sweet yess song',
'adamsconsult problem great look forward see tweet',
'emzyjona know find new layout hard',
'mistressmia lol guess express',
'joeymarieward ohh boy crazi marlatt',
'jearl sound like viz top tip true',
'alyssa milano thank account info verifi got rid fake jordan last night thank
truthtweet impostor',
'annwhit bye',
'wake bright earli sunday feel good',
'readi freepeep time church',
'still definit worth get one',
'dominuz pretti good even resembl bit comic gave year ago',
'officialtila dude total found someon look like last night amaz say least',
'staff room bore need sit',
'nadianv oh real shown would love check congrat get gig',
'myfutur didnt know year old rode bmx that cute hahaha',
'hoppusday markhoppu happi hoppu day rock',
'way church wow sore jog skate bowl',
'talk footbal lunchtim anyth wors happi hoppusday everyon mother day fuckin amp
touchin amp suckin hahhah',
'chelsiesaid open coffe shop weekend',
'still wait follow helper pleas',
'martyfriend btw love extra organ solo pm last night',
'go mall',
'late reaction filipino pride vatti record match',
'ngb neither',
'chocolatebox haha went red mine love',
'give pughug emmythecat henryandfriend fergusthedog pass three pughug free hug
anyon pawpawti',
'tll corner bathroom obtain said bead',
'feel well think colleg tuesday make wors haha',
'maiyaab check blip playlist sure make great store though earn real kudo amp
legal free music',
'markhoppu good morn mark hope enjoy hoppusday thing',
'recov camp rave last bank holiday',
'good morn finish appl fritter breakfast fruit serv day',
'mfhorn sheff wed fan moon well done inde birmingham',
'back newark airport termin wait board flight go see rayray afternoon',
'johnnyfirecloud love antiquiet tho def keep thank much info rock happi

sunday',
'mmm french toast',
'woke derek sheppard voic',
'mileycyru chang life thankyou love much god bless hero',
'shop brunch pour rain love gf wait see today fb',
'relax hard shop day',
'ohkay new obsess secret handshak check em',
'fearnecotton listen show whilst cook good laura kelli heidi sarah x',
'download hm movi better work time already',
'adamjcosburn definit feel better',
'pedroc aahh cuddi power truli sexi',
'sam ho haha aww tri focu fail googl answer haha',
'care n e say smith rock back n day',
'use ai anyway get power go use us batteri',
'gavinbwatson ye xoxo',
'markwarren welcom',
'helen bop sorri like watch movi exploos big screen',
'hello everybodi',
'good sunday morn rain go make potato soup dinner rest day lazi day',
'thnx gurli mom promis win whole thing buy new tenni cloth im shop tenni place
right',
'tracecyru hey brudder miss sooo much come back tour see',
'aaaand final laptop fulli charg yay',
'geoffthedit ahaha funni',
'mcraddict love heaven help us favourit b side histori ever',
'play volleybal ammm know hahaha love ya girll juli l',
'tvwxman watch butter challeng iron chef love watch iron chef im bord',
'eat famili',
'violajayn tri ask tweetdeck sure happi help',
'cultvin ohhhh sorri miss fun work fl bad either orlando west coast fl',
'ellapaigebab worryi forget go backstag show',
'real nash eat balut dude ask much http en wikipedia org wiki balut egg',
'home play texa hold em',
'got hey monday shirt',
'final home amp amp rain gloomi day guess ju sit home amp amp watch movi amp
amp eat popcorn dayi',
'month work form home time',
'go bath gotta start microcontrol prep moro xam',
'erdoland great hang napoconf hope fun disney',
'campbellclaret oooo play',
'enriqu iglesia denmark wooow cool b',
'play sim talk phone alexandra birthday day',
'lay bed watch movi thinkin nap',
'plan birthday partayyyi',
'much run around today least product day time relax prepar anoth work week',
'emmyhasagun favorit line song',
'e l b w f v e love demi sit outsid thank good outdoor wifi',

'donaji hahaha may b next week',
'leav go back chicago back move th miss much',
'look ahead readi make awesom week want get sunday night know total rock go
woohoo',
'amaz procrastin today actual get free time tonight',
'mcevoy rachael yeah hannah montana one like song haha cool x',
'chrisaffair http twitpic com u whoo that crazaaay',
'hydrosen excit see',
'drove tucker chillin oh madisonwild crazi haha littl ilybff l lt',
'davegarnar everyon want look like coupla year ago honestli noth worri',
'podcast episod upload type subscrib pleas www randolphstproduct mypodcast com
thank',
'naptim thanx follow hit today thank part tweet fam',
'went see wolverin',
'dirkey hey gonna pa mid may tri connect djembech amp mrskennyd lunch one day
perhap',
'got jaim right',
'tri dress get readi chariti event tomorrow southampton glass wine glass',
'liodain oh hey welcom crack get use',
'rikki nd u nurs battl wound amp heart',
'follow mattsmind follow away help',
'amf especo sinc rain',
'rodjek noth leg warmer fix',
'ferngulli',
'anima holi shit',
'christiinn awee babi mamma hope tomorrow better',
'mzjazze two third actual',
'henriqoliv say anyth great song http blip fm isvn',
'supa bore fix aim everyon get twitter updat deliv',
'recommend dcjc tea parti http tparti com',
'xitsmatt aww thank even dont say love thing',
'sweetwhirl mflower thank much go proud papa mode tri post everi singl pic',
'aquariu thank follow hint never figur twitter lol enjoy',
'drew miller forget longer live texa good bbq good steak',
'time bed earli shift tomorrow',
'thig nat got email friend get home sure repli wait check',
'mini trip erin florida june got better',
'lindascrush oh well saw twosteppin knew meant',
'johnchow thank follow',
'ibosmiley much season right thing pick june festiv',
'alway fun time ilyc er love em',
'chri daughtri new album come canada',
'sixgaug im follow u man follow',
'ultramagnet butttt mine u eeat ummm gna tri tooo',
'ragdollgonewild pleas make saturday',
'ryantufo yep ps replay favorit kh avoid homework play save tomorrow',
'hope roomi becom obsess tri kill like one movi singl white femal',

'mrsnasirjon u rdi masterb hun cuz',
'tho applaud parent make otherwis today would noth reflect made interest
lesson',
'red ut sand lash extens',
'way pick patti',
'iheartlh byl',
'maffyewww ye',
'varinn hey homi happi birthday massiv',
'khloekardashian believ elvi work burger king know khlo definatli bit mysteri',
'say hi tweeter hope everybodi bless weekend one day weekend pop',
'sizzlemak check celeb need intern quarterlif com intern examin column',
'new comput woot',
'johnnydamongirl long snore couch rulz',
'alright leav guy song bye bye third eye blind semi charm life http blip fm j
bh',
'brainstorm design love',
'dhlawrencexvii go improv qualiti life end great posit other know',
'read read read poker face lalala',
'happi content',
'latexloverm oh ok haha anoth citi capit',
'kimkardashian omg luve wait see kri monkey',
'let see what demand catch guy later amp nanci good luck hun',
'squishymatt alway welcom',
'good nite everyon best wish final student amp rest u real world tri enjoy ur
work week p',
'hilarynghtmar yess know omg wait till come back laaa',
'metaphoricxey hmm let see work yak yak cool yak call water bison asia momo fli
bison avatar',
'unexpected twist turn dvd hooray cant wait jog littl gray cell',
'mdalin never occur',
'final met someon first time today tri long haha',
'carlyluvsunit ward ward live',
'therealnuma awesom got busi two week uni birthday melbourn',
'eugenekhoo paper didnt mention anyth hit blogout earli year well',
'lilapp lol thank tri steal show',
'found got push chair hit head wheelbarrow last night took beat thank vodka',
'rap fa learn good news ad david congratul wait see',
'yomcat cheer man',
'crossroad hair cut colour braid winter exam soon',
'well need get bed chat everyon tomorrow',
'british expat twitt tommy giant sprout especy fli part sprout sea http tinyurl
com c kvb',
'dyeded hair',
'mizhal http blip fm jbp',
'fanci hun got u doin thing u aint never done',
'realli needa find stastic',
'invit join group second life call quot ballist autist quot cute name',

```
'gonna get tan white',
'hr time uni wait start st exam scari work hard morn though feel ok atm',
'mommymus thank hint http tinyurl com chtx e',
'good morn haha read swine flu probabl come pig peopl poor pig got blame',
'play',
'lopezwilfr yeah lookout tweet happi tweet',
'staceeeee goodnight cuppycak hope good day feel blah xxoo',
'get dinner',
'ksidney wolverin great must see',
'thorney forget edinburgh check edinburghac org uk',
'deplurk buhbyee http plurk com p rp ir',
'eat tito home made ice cream yum',
'drill sergeant voic everybodi wake fuck flick everyon light est rise shine
beetch lol jk',
...]
```

```
[44]: from sklearn.feature_extraction.text import CountVectorizer
cv=CountVectorizer(max_features=2500)
X=cv.fit_transform(corpus).toarray()
```

```
[45]: X.shape
```

```
[45]: (10314, 2500)
```

```
[46]: y=(df['label (depression result)'])
```

```
[48]: from sklearn.model_selection import train_test_split
X_train,X_test,y_train,y_test= train_test_split(X,y,test_size=.
↪20,random_state=0)
```

```
[49]: # training model using multinomial navie bayes algotithm
from sklearn.naive_bayes import MultinomialNB
spam_model=MultinomialNB().fit(X_train,y_train)
```

```
[50]: #predict the model with test data
y_pred=spam_model.predict(X_test)
```

```
[51]: from sklearn.metrics import accuracy_score
accuracy_score(y_test,y_pred)
```

```
[51]: 0.9723703344643723
```

```
[52]: from sklearn.metrics import confusion_matrix
confusion_matrix(y_test,y_pred)
```

```
[52]: array([[1530,  43],
        [ 14, 476]])
```

```
[53]: from nltk.stem import WordNetLemmatizer
nltk.download('wordnet')
ln=WordNetLemmatizer()
```

```
[nltk_data] Downloading package wordnet to /root/nltk_data...
[nltk_data] Package wordnet is already up-to-date!
```

```
[54]: # training model using multinomial naive bayes algorithm
from sklearn.naive_bayes import MultinomialNB
spam_model=MultinomialNB().fit(X_train,y_train)

#predict the model with test data
y_pred=spam_model.predict(X_test)

from sklearn.metrics import accuracy_score
accuracy_score(y_test,y_pred)
```

```
[54]: 0.9723703344643723
```

```
[55]: finaldf['message to examine'][6]
```

```
[55]: '@SilkCharm re: #nbn as someone already said, does fiber to the home mean we
will all at least be regular now '
```

```
[56]: from nltk.stem import WordNetLemmatizer
wordnet=WordNetLemmatizer()

# just an example for stemming and lemmatization
text='@SilkCharm re: #nbn as someone already said, does fiber to the home mean_
↳we will all at least be regular now'
text=text.split()
print(text)
review=[ps.stem(word) for word in text if not word in stopwords.
↳words('english')]
print(review)
review1=[wordnet.lemmatize(word) for word in text if not word in stopwords.
↳words('english')]
print(review1)
```

```
['@SilkCharm', 're:', '#nbn', 'as', 'someone', 'already', 'said,', 'does',
'fiber', 'to', 'the', 'home', 'mean', 'we', 'will', 'all', 'at', 'least', 'be',
'regular', 'now']
```

```
['@silkcharm', 're:', '#nbn', 'someon', 'alreadi', 'said,', 'fiber', 'home',
'mean', 'least', 'regular']
```

```
['@SilkCharm', 're:', '#nbn', 'someone', 'already', 'said,', 'fiber', 'home',
```

```
'mean', 'least', 'regular']
```

```
[ ]: # Apply count vectorizer
cv=CountVectorizer(max_features=5000,ngram_range=(1,3))
X=cv.fit_transform(corpus).toarray()
```

```
[57]: X.shape

y=finaldf['label (depression result)']

X
```

```
[57]: 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]])
```

```
[58]: cv.get_feature_names_out()[:40]
```

```
[58]: array(['ab', 'abil', 'abl', 'absolut', 'abt', 'abus', 'ac', 'accept',
        'accomplish', 'accord', 'account', 'ach', 'acn', 'across', 'act',
        'action', 'activ', 'actor', 'actual', 'ad', 'adam', 'add',
        'addict', 'address', 'adhd', 'admir', 'admit', 'adolesc', 'ador',
        'adult', 'advertis', 'advic', 'af', 'affect', 'afford', 'afraid',
        'afternoon', 'afterward', 'age', 'ago'], dtype=object)
```

```
[59]: cv.get_params()
```

```
[59]: {'analyzer': 'word',
      'binary': False,
      'decode_error': 'strict',
      'dtype': numpy.int64,
      'encoding': 'utf-8',
      'input': 'content',
      'lowercase': True,
      'max_df': 1.0,
      'max_features': 2500,
      'min_df': 1,
      'ngram_range': (1, 1),
      'preprocessor': None,
      'stop_words': None,
      'strip_accents': None,
      'token_pattern': '(?u)\\b\\w\\w+\\b',
```

```
'tokenizer': None,
'vocabulary': None}
```

```
[60]: from sklearn.model_selection import train_test_split
X_train,X_test,y_train,y_test=train_test_split(X,y,test_size=.33,random_state=0)
```

```
[61]: count_df=pd.DataFrame(X_train,columns=cv.get_feature_names_out())
count_df.head()
```

```
[61]:
```

	ab	abil	abl	absolut	abt	abus	ac	accept	accomplish	accord	...	\
0	0	0	0	0	0	0	0	0	0	0	...	...
1	0	0	0	0	0	0	0	0	0	0	...	...
2	0	0	0	0	0	0	0	0	0	0	...	...
3	0	0	0	0	0	0	0	0	0	0	...	...
4	0	0	0	0	0	0	0	0	0	0	...	...

	youth	youtu	youtub	youu	youuu	yr	yum	yummi	yup	zoo
0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0

[5 rows x 2500 columns]

```
[62]: from sklearn.naive_bayes import MultinomialNB
classifier=MultinomialNB()
```

```
[63]: from sklearn import metrics
import numpy as np
import itertools
```

```
[64]: classifier.fit(X_train,y_train)
y_pred=classifier.predict(X_test)
score=metrics.accuracy_score(y_test,y_pred)
score

# confusion matrix
print(metrics.confusion_matrix(y_test,y_pred))
```

```
[[2558  77]
 [ 15 754]]
```

```
[65]: score
```

[65] : 0.972972972972973