

Deflategate

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This is an text analysis of the ‘Deflategate’ report where is accused of deflating balls to have an game advantage see <http://en.wikipedia.org/wiki/Deflategate>

```
rm(list=ls(all=TRUE)) #start with empty workspace
startTime <- Sys.time()
```

```
library(knitr)
opts_chunk$set(echo = TRUE, cache= TRUE, results = 'hold', warning=FALSE, message=FALSE )
```

```
setInternet2(TRUE)
```

```
url <- "https://nfllabor.files.wordpress.com/2015/05/investigative-and-expert-reports-re-footballs-used"
```

```
dest <- tempfile(fileext = ".pdf")
download.file(url, dest, mode = "wb")
```

```
# set path to pdftotxt.exe and convert pdf to text
exe <- "C:\\Program Files\\xpdfbin-win-3.04\\bin32\\pdftotext.exe"
system(paste("\\", exe, "\\ \"", dest, "\\\"", sep = ""), wait = F)
```

```
# get txt-file name and open it
filetxt <- sub(".pdf", ".txt", dest)
#shell.exec(filetxt)
```

```
doInstall <- FALSE # Change to TRUE if you do want packages installed.
toInstall <- c("tm", "wordcloud", "Rstem", "koRpus", "xtable")
if(doInstall){install.packages(toInstall, repos = "http://cran.us.r-project.org")}
lapply(toInstall, library, character.only = TRUE)
```

```
txt <- readLines(filetxt) #
```

```
txt <- tolower(txt)
# get readibility stats
```

```
tagged.text <- tokenize(filetxt, lang="en")
str(describe(tagged.text))
```

```
hyph.txt.en <- hyphen(tagged.text, quiet = TRUE)
```

```
readbl.txt <- readability(tagged.text, hyphen=hyph.txt.en, index="all")
```

```
dfReadTxt <- as.data.frame(summary(readbl.txt))
```

```
(method.Type <- dfReadTxt[18,1])
```

```
(method.Grade <- dfReadTxt[18,4])
```

```

(method.Age <- dfReadTxt[18,5])

corpus <- Corpus(VectorSource(txt))
corpus <- tm_map(corpus, removePunctuation)
corpus <- tm_map(corpus, removeNumbers)
corpus <- tm_map(corpus, removeWords, stopwords("english"))
#corpus <- tm_map(corpus, removeWords, c("year", "attachment"))
corpus <- tm_map(corpus, stripWhitespace)
tdm <- TermDocumentMatrix(corpus)
m <- as.matrix(tdm)
d <- data.frame(freq = sort(rowSums(m), decreasing = TRUE))

# find frequent terms
(findFreqTerms(tdm, lowfreq = 14 ))

# following plot idea is from here
# http://stackoverflow.com/questions/23766124/colors-and-a-plotting-term-document-matrix

freqterms <- findFreqTerms(tdm, lowfreq = 14)[1:28]

vtxcnt <- rowSums(cor(as.matrix(t(tdm[freqterms,]))))>.3)-1

mycols<-c("#f7fbff", "#deebf7", "#c6dbef",
          "#9ecae1", "#6baed6", "#4292c6",
          "#2171b5", "#084594")
vc <- mycols[vtxcnt+1]
names(vc) <- names(vtxcnt)

```

```

## [[1]]
## [1] "tm"          "NLP"          "knitr"        "stats"        "graphics"
## [6] "grDevices"  "utils"        "datasets"     "methods"      "base"
##
## [[2]]
## [1] "wordcloud"    "RColorBrewer" "tm"           "NLP"
## [5] "knitr"        "stats"         "graphics"     "grDevices"
## [9] "utils"        "datasets"      "methods"      "base"
##
## [[3]]
## [1] "Rstem"        "wordcloud"     "RColorBrewer" "tm"
## [5] "NLP"          "knitr"         "stats"         "graphics"
## [9] "grDevices"    "utils"         "datasets"      "methods"
## [13] "base"
##
## [[4]]
## [1] "koRpus"       "Rstem"         "wordcloud"     "RColorBrewer"
## [5] "tm"           "NLP"           "knitr"         "stats"
## [9] "graphics"     "grDevices"     "utils"         "datasets"
## [13] "methods"      "base"
##
## [[5]]
## [1] "xtable"       "koRpus"        "Rstem"         "wordcloud"
## [5] "RColorBrewer" "tm"            "NLP"           "knitr"
## [9] "stats"        "graphics"      "grDevices"     "utils"

```

```

## [13] "datasets"      "methods"      "base"
##
## List of 14
## $ all.chars      : int 512692
## $ lines          : int 5017
## $ normalized.space: int 510576
## $ chars.no.space : int 427968
## $ punct          : int 17153
## $ digits         : int 12465
## $ letters        : Named num [1:80] 410815 3311 15290 16685 13112 ...
##   ..- attr(*, "names")= chr [1:80] "all" "11" "12" "13" ...
## $ letters.only    : int 398350
## $ char.distrib    : num [1:6, 1:109] 14720 14720 81829 15.2 15.2 ...
##   ..- attr(*, "dimnames")=List of 2
##     .. ..$ : chr [1:6] "num" "cum.sum" "cum.inv" "pct" ...
##     .. ..$ : chr [1:109] "1" "2" "3" "4" ...
## $ ltr.distrib     : num [1:6, 1:79] 3311 3311 81633 3.9 3.9 ...
##   ..- attr(*, "dimnames")=List of 2
##     .. ..$ : chr [1:6] "num" "cum.sum" "cum.inv" "pct" ...
##     .. ..$ : chr [1:79] "1" "2" "3" "4" ...
## $ words           : int 84944
## $ sentences       : int 4936
## $ avg.sentc.length: num 17.2
## $ avg.word.length : num 4.84
## Text language: en
## [1] "Flesch-Kincaid"
## [1] "10.4"
## [1] "15.4"
## [1] "according"      "account"      "accuracy"
## [4] "acknowledged"   "activities"    "actual"
## [7] "actually"       "addition"     "additional"
## [10] "adjusted"       "afc"          "affected"
## [13] "agreed"         "air"          "allowed"
## [16] "alone"          "also"         "although"
## [19] "among"          "amount"       "analyses"
## [22] "analysis"       "anderson"     "andersons"
## [25] "another"        "anything"     "appear"
## [28] "appears"        "appendix"     "applying"
## [31] "approximately"  "area"         "around"
## [34] "arrived"        "asked"        "associated"
## [37] "assuming"       "assumption"   "assumptions"
## [40] "attached"       "attendant"    "autograph"
## [43] "autographed"    "available"    "average"
## [46] "averages"       "back"         "backup"
## [49] "bag"            "bags"        "ball"
## [52] "balls"          "band"         "based"
## [55] "basis"          "bathroom"     "battery"
## [58] "began"          "belichick"    "believe"
## [61] "believed"       "bird"         "bladder"
## [64] "blakeman"       "bowl"         "boy"
## [67] "boys"           "brady"        "bradys"
## [70] "brought"        "calculated"   "call"
## [73] "called"         "calls"        "can"
## [76] "cell"           "certain"      "championship"

```

## [79]	"change"	"changes"	"checked"
## [82]	"circumstances"	"claimed"	"close"
## [85]	"coach"	"colder"	"collected"
## [88]	"colts"	"come"	"communications"
## [91]	"compared"	"comparison"	"completely"
## [94]	"concerning"	"concerns"	"concluded"
## [97]	"conclusion"	"conclusions"	"condition"
## [100]	"conditions"	"conducted"	"conference"
## [103]	"confirmed"	"connection"	"considered"
## [106]	"consistent"	"consistently"	"constant"
## [109]	"consultants"	"control"	"conversation"
## [112]	"corresponding"	"counsel"	"course"
## [115]	"crew"	"curves"	"daniel"
## [118]	"data"	"date"	"day"
## [121]	"days"	"deflate"	"deflated"
## [124]	"deflation"	"deflator"	"deliberate"
## [127]	"delivered"	"described"	"determine"
## [130]	"determined"	"deviation"	"difference"
## [133]	"differences"	"different"	"directly"
## [136]	"director"	"discussed"	"discussion"
## [139]	"done"	"door"	"dressing"
## [142]	"drop"	"drops"	"dry"
## [145]	"earlier"	"edt"	"effect"
## [148]	"effects"	"efforts"	"either"
## [151]	"eleven"	"email"	"end"
## [154]	"england"	"entire"	"environment"
## [157]	"environmental"	"equilibrium"	"equipment"
## [160]	"error"	"est"	"estimated"
## [163]	"evaluate"	"even"	"events"
## [166]	"evidence"	"example"	"exchange"
## [169]	"exchanged"	"exemplar"	"exhibited"
## [172]	"expected"	"experiment"	"experimental"
## [175]	"experiments"	"explain"	"explained"
## [178]	"explanation"	"exponent"	"exponents"
## [181]	"exposed"	"fact"	"factor"
## [184]	"factors"	"farley"	"field"
## [187]	"figure"	"final"	"find"
## [190]	"finding"	"findings"	"first"
## [193]	"following"	"followup"	"footage"
## [196]	"football"	"footballs"	"forth"
## [199]	"found"	"four"	"friend"
## [202]	"function"	"game"	"games"
## [205]	"gas"	"gauge"	"gauges"
## [208]	"general"	"generally"	"generated"
## [211]	"get"	"gillette"	"give"
## [214]	"given"	"going"	"good"
## [217]	"gostkowski"	"greater"	"grigson"
## [220]	"guidelines"	"half"	"halftime"
## [223]	"handed"	"head"	"help"
## [226]	"higher"	"home"	"hours"
## [229]	"however"	"human"	"humidity"
## [232]	"ideal"	"identical"	"identified"
## [235]	"immediately"	"impact"	"important"
## [238]	"included"	"including"	"increased"

## [241]	"indianapolis"	"individual"	"inflated"
## [244]	"inflation"	"information"	"initial"
## [247]	"initially"	"inside"	"inspected"
## [250]	"inspection"	"intercepted"	"internal"
## [253]	"interview"	"interviewed"	"interviews"
## [256]	"investigation"	"investigative"	"involved"
## [259]	"issue"	"issues"	"items"
## [262]	"january"	"jastremski"	"jastremskis"
## [265]	"jets"	"jim"	"john"
## [268]	"judge"	"just"	"kball"
## [271]	"kballs"	"kensil"	"kerzner"
## [274]	"kicking"	"kickoff"	"knew"
## [277]	"know"	"knowledge"	"known"
## [280]	"last"	"later"	"law"
## [283]	"league"	"least"	"left"
## [286]	"less"	"level"	"levels"
## [289]	"like"	"likely"	"listed"
## [292]	"locker"	"logo"	"long"
## [295]	"lot"	"low"	"lower"
## [298]	"made"	"magnitude"	"main"
## [301]	"make"	"manager"	"manifold"
## [304]	"mark"	"marlow"	"master"
## [307]	"materials"	"may"	"mcnally"
## [310]	"mcnallys"	"mean"	"measure"
## [313]	"measured"	"measurement"	"measurements"
## [316]	"measuring"	"media"	"members"
## [319]	"mentioned"	"message"	"messages"
## [322]	"might"	"miller"	"min"
## [325]	"minimum"	"minute"	"minutes"
## [328]	"model"	"mom"	"morning"
## [331]	"multiple"	"must"	"name"
## [334]	"natural"	"near"	"needle"
## [337]	"never"	"new"	"next"
## [340]	"nfl"	"night"	"none"
## [343]	"nonlogo"	"note"	"noted"
## [346]	"nothing"	"number"	"observed"
## [349]	"occurred"	"october"	"offered"
## [352]	"official"	"officials"	"officiating"
## [355]	"one"	"operations"	"order"
## [358]	"others"	"outside"	"parameters"
## [361]	"part"	"participated"	"particular"
## [364]	"patriots"	"paul"	"performed"
## [367]	"period"	"permissible"	"permission"
## [370]	"person"	"personnel"	"phone"
## [373]	"physical"	"physics"	"place"
## [376]	"plausible"	"play"	"playing"
## [379]	"point"	"possession"	"possible"
## [382]	"potential"	"practice"	"predicted"
## [385]	"pregame"	"preparation"	"prepare"
## [388]	"prepared"	"present"	"presented"
## [391]	"press"	"pressure"	"pressures"
## [394]	"previously"	"primary"	"prioileau"
## [397]	"prior"	"probable"	"procedure"
## [400]	"process"	"produced"	"properly"

## [403]	"provide"	"provided"	"psi"
## [406]	"psig"	"pump"	"put"
## [409]	"pvalue"	"quarterback"	"questions"
## [412]	"raised"	"range"	"ranges"
## [415]	"rather"	"raucci"	"reach"
## [418]	"reached"	"read"	"reading"
## [421]	"readings"	"reads"	"realistic"
## [424]	"really"	"reasons"	"recall"
## [427]	"recalls"	"received"	"recipient"
## [430]	"recorded"	"reduction"	"referee"
## [433]	"reference"	"referred"	"regarding"
## [436]	"regardless"	"relating"	"relative"
## [439]	"relatively"	"release"	"relevant"
## [442]	"remained"	"removed"	"repeatability"
## [445]	"repeated"	"report"	"reported"
## [448]	"reports"	"representative"	"request"
## [451]	"requested"	"required"	"respect"
## [454]	"respective"	"respectively"	"responded"
## [457]	"response"	"responsibilities"	"result"
## [460]	"results"	"retained"	"returned"
## [463]	"review"	"right"	"riveron"
## [466]	"room"	"rubbing"	"rule"
## [469]	"rules"	"said"	"scenario"
## [472]	"scenarios"	"schoenfeld"	"scientific"
## [475]	"season"	"second"	"seconds"
## [478]	"section"	"security"	"see"
## [481]	"seen"	"sender"	"sent"
## [484]	"series"	"set"	"several"
## [487]	"shortly"	"showing"	"shown"
## [490]	"sideline"	"significance"	"significant"
## [493]	"significantly"	"similar"	"similarly"
## [496]	"simulation"	"simulations"	"since"
## [499]	"sitting"	"small"	"sneakers"
## [502]	"specifically"	"spoke"	"stadium"
## [505]	"staff"	"standard"	"start"
## [508]	"starting"	"stated"	"statements"
## [511]	"statistical"	"statistically"	"stress"
## [514]	"study"	"subject"	"subsequent"
## [517]	"suggested"	"sullivan"	"sunday"
## [520]	"super"	"support"	"sure"
## [523]	"surface"	"switch"	"switched"
## [526]	"table"	"take"	"taken"
## [529]	"taking"	"tampering"	"team"
## [532]	"teams"	"telephone"	"temperature"
## [535]	"temperatures"	"term"	"test"
## [538]	"tested"	"testing"	"tests"
## [541]	"text"	"therefore"	"things"
## [544]	"third"	"thirteen"	"though"
## [547]	"three"	"throughout"	"thus"
## [550]	"tickets"	"time"	"times"
## [553]	"timing"	"told"	"tom"
## [556]	"took"	"total"	"transient"
## [559]	"trying"	"two"	"understand"
## [562]	"understood"	"unlikely"	"upon"

## [565]	"usage"	"use"	"used"
## [568]	"using"	"value"	"values"
## [571]	"variability"	"variation"	"variations"
## [574]	"various"	"varying"	"view"
## [577]	"vigorous"	"volume"	"walk"
## [580]	"walked"	"walt"	"warmer"
## [583]	"way"	"weather"	"week"
## [586]	"weiss"	"well"	"wet"
## [589]	"whether"	"will"	"wilson"
## [592]	"window"	"within"	"without"
## [595]	"witnesses"	"words"	"work"
## [598]	"written"	"xxxx"	"yard"
## [601]	"years"	"yette"	

```
plot(tdm, terms = findFreqTerms(tdm, lowfreq = 14)[1:28], corThreshold=0.3, nodeAttrs=list(fillcolor=vc))
```


## 15	accur	accurate
## 16	accuraci	accuracy
## 17	accus	accusing
## 18	achiev	achieve
## 19	acknowledg	acknowledged
## 20	acquaint	acquaintances
## 21	acquir	acquired
## 22	across	across
## 23	act	acted
## 24	action	actions
## 25	activ	activities
## 26	actor	actors
## 27	actual	actual
## 28	ad	added
## 29	adam	adams
## 30	add	add
## 31	addit	addition
## 32	address	address
## 33	adequ	adequately
## 34	adjac	adjacent
## 35	adjust	adjusted
## 36	administr	administration
## 37	admiss	admissible
## 38	admit	admitted
## 39	advanc	advance
## 40	advantag	advantage
## 41	advers	adverse
## 42	advic	advice
## 43	advis	advised
## 44	advoc	advocating
## 45	afc	afc
## 46	affect	affected
## 47	affili	affiliate
## 48	affix	affixed
## 49	aforement	aforementioned
## 50	afternoon	afternoon
## 51	afterward	afterwards
## 52	agent	agent
## 53	ago	ago
## 54	agre	agreed
## 55	ahead	ahead
## 56	aif	aif
## 57	aim	aim
## 58	air	air
## 59	airway	airway
## 60	akil	akil
## 61	albeit	albeit
## 62	alberto	alberto
## 63	alert	alert
## 64	align	aligning
## 65	alleg	allegations
## 66	allen	allen
## 67	allot	allotted
## 68	allow	allowed

## 69	almost	almost
## 70	alon	alone
## 71	along	along
## 72	alreadi	already
## 73	alright	alright
## 74	also	also
## 75	alter	alter
## 76	altern	alternate
## 77	although	although
## 78	altogeth	altogether
## 79	alway	always
## 80	ambient	ambient
## 81	america	americas
## 82	american	american
## 83	ami	amy
## 84	among	among
## 85	amount	amount
## 86	analog	analogous
## 87	analys	analyses
## 88	analysi	analysis
## 89	analyt	analytical
## 90	analyz	analyzed
## 91	anderson	anderson
## 92	andor	andor
## 93	andrew	andrew
## 94	angel	angeles
## 95	anger	anger
## 96	angl	angles
## 97	angri	angry
## 98	angrili	angrily
## 99	anim	animated
## 100	announc	announced
## 101	anomal	anomalous
## 102	anomali	anomaly
## 103	anoth	another
## 104	anotheri	anotherie
## 105	answer	answer
## 106	anticip	anticipated
## 107	anyon	anyone
## 108	anyonetri	anyonetrying
## 109	anyth	anything
## 110	apart	apart
## 111	appar	apparent
## 112	apparatus	apparatus
## 113	apparel	apparel
## 114	appear	appears
## 115	appearanceh	appearancehe
## 116	appendic	appendices
## 117	appendix	appendix
## 118	applestoappl	applestoapples
## 119	appli	applying
## 120	applic	applicable
## 121	approach	approached
## 122	appropri	appropriate

## 123	approv	approval
## 124	approxim	approximately
## 125	area	area
## 126	argu	arguing
## 127	aris	arise
## 128	arisen	arisen
## 129	aros	arose
## 130	around	around
## 131	arrang	arrange
## 132	arriv	arrived
## 133	arrow	arrow
## 134	art	art
## 135	articl	article
## 136	artifici	artificially
## 137	ascertain	ascertain
## 138	asid	aside
## 139	ask	asked
## 140	askingi	askingi
## 141	aspect	aspects
## 142	asrecord	asrecorded
## 143	ass	ass
## 144	assembl	assembled
## 145	assert	assertions
## 146	assess	assess
## 147	assign	assigned
## 148	assist	assistant
## 149	associ	associated
## 150	assum	assuming
## 151	assumpt	assumption
## 152	assur	assure
## 153	astatist	astatistical
## 154	astm	astm
## 155	athlet	athletic
## 156	atmospher	atmospheric
## 157	attach	attached
## 158	attack	attack
## 159	attain	attained
## 160	attempt	attempted
## 161	attend	attendant
## 162	attent	attention
## 163	attorney	attorneys
## 164	attribut	attributed
## 165	auction	auction
## 166	august	august
## 167	authent	authentic
## 168	author	authorized
## 169	autograph	autographed
## 170	automat	automatically
## 171	autooff	autooff
## 172	avail	available
## 173	avenu	avenue
## 174	averag	average
## 175	awak	awake
## 176	awar	aware

## 177	award	award
## 178	away	away
## 179	awesom	awesome
## 180	awkward	awkwardness
## 181	back	back
## 182	background	background
## 183	backup	backup
## 184	bad	bad
## 185	bag	bags
## 186	bake	baked
## 187	balanc	balance
## 188	ball	balls
## 189	ballboy	ballboys
## 190	ballif	ballif
## 191	balloon	balloon
## 192	ballsalmost	ballsalmost
## 193	ballsat	ballsat
## 194	ballskraft	ballskraft
## 195	ballswer	ballswere
## 196	balltobal	balltoball
## 197	baltimor	baltimore
## 198	band	band
## 199	base	based
## 200	basi	basis
## 201	basic	basic
## 202	basketbal	basketball
## 203	bathroom	bathroom
## 204	batteri	battery
## 205	batterypow	batterypowered
## 206	batteryrel	batteryrelated
## 207	bay	bay
## 208	bear	bears
## 209	beat	beating
## 210	becam	became
## 211	becom	become
## 212	began	began
## 213	begin	begin
## 214	begun	begun
## 215	behalf	behalf
## 216	behavior	behavior
## 217	behind	behind
## 218	belichick	belichick
## 219	believ	believe
## 220	bellshap	bellshaped
## 221	belong	belonged
## 222	belowregul	belowregulation
## 223	bench	bench
## 224	beneath	beneath
## 225	benefit	benefited
## 226	bengal	bengals
## 227	benign	benign
## 228	bent	bent
## 229	bergman	bergman
## 230	berj	berj

## 231	best	best
## 232	bestprepar	bestprepared
## 233	better	better
## 234	betweenteam	betweenteam
## 235	beyond	beyond
## 236	bias	bias
## 237	bif	bif
## 238	big	big
## 239	bill	bill
## 240	bird	bird
## 241	bit	bit
## 242	black	black
## 243	bladder	bladder
## 244	blakeman	blakeman
## 245	blakemana	blakemana
## 246	blandino	blandino
## 247	blow	blow
## 248	blown	blown
## 249	board	board
## 250	bob	bob
## 251	bodi	body
## 252	boger	boger
## 253	bola	bola
## 254	bond	bonding
## 255	book	book
## 256	booth	booth
## 257	boston	boston
## 258	bottl	bottle
## 259	bottom	bottom
## 260	bound	bounds
## 261	boundari	boundaries
## 262	bowl	bowl
## 263	box	box
## 264	boy	boys
## 265	brad	brad
## 266	bradi	brady
## 267	bradythat	bradythat
## 268	brain	brain
## 269	brand	brand
## 270	brandon	brandon
## 271	brass	brass
## 272	breach	breach
## 273	break	break
## 274	brenden	brenden
## 275	brian	brian
## 276	brick	bricks
## 277	brief	brief
## 278	briefli	briefly
## 279	brigg	briggs
## 280	bring	bring
## 281	britton	britton
## 282	broad	broad
## 283	broadcast	broadcast
## 284	brocher	brocher

## 285	broken	broken
## 286	bronco	Broncos
## 287	brought	brought
## 288	brown	brown
## 289	bruise	bruised
## 290	brush	brushing
## 291	bud	bud
## 292	buddi	buddy
## 293	budi	budi
## 294	build	building
## 295	bulki	bulky
## 296	bureau	bureau
## 297	burn	burns
## 298	bus	bus
## 299	busi	busy
## 300	bust	busting
## 301	bustin	bustin
## 302	butt	butt
## 303	button	button
## 304	buy	buying
## 305	buyer	buyer
## 306	cad	cad
## 307	calcul	calculated
## 308	calibr	calibrated
## 309	caligiuri	caligiuri
## 310	call	call
## 311	callahan	callahan
## 312	callendar	callendar
## 313	caller	caller
## 314	callhow	callhow
## 315	calliv	callive
## 316	calm	calm
## 317	came	came
## 318	camera	camera
## 319	can	can
## 320	cant	cant
## 321	capabl	capability
## 322	capac	capacity
## 323	captur	capture
## 324	card	cards
## 325	care	careful
## 326	career	career
## 327	carl	carl
## 328	carri	carries
## 329	case	case
## 330	cash	cash
## 331	casual	casually
## 332	catalyst	catalyst
## 333	caught	caught
## 334	caus	caused
## 335	caution	cautioned
## 336	cavaletto	cavaletto
## 337	cell	cell
## 338	celtic	celtics

## 339	celticslak	celticslakers
## 340	center	center
## 341	central	central
## 342	certain	certain
## 343	certainiti	certainty
## 344	cessat	cessation
## 345	chain	chain
## 346	chair	chair
## 347	chairman	chairman
## 348	chamber	chamber
## 349	champ	champ
## 350	championship	championship
## 351	chanc	chance
## 352	chang	change
## 353	character	characterize
## 354	characterist	characteristics
## 355	charg	charge
## 356	chariti	charity
## 357	chatter	chatter
## 358	check	checked
## 359	chemistri	chemistry
## 360	chicago	chicago
## 361	chief	chief
## 362	chill	chill
## 363	chop	chops
## 364	chose	chose
## 365	chosen	chosen
## 366	christma	christmas
## 367	chronolog	chronological
## 368	cincinnati	cincinnati
## 369	circl	circled
## 370	circuit	circuit
## 371	circuitri	circuitry
## 372	circul	circulated
## 373	circumst	circumstances
## 374	circumv	circumvent
## 375	cite	cited
## 376	claim	claimed
## 377	clean	clean
## 378	clear	clear
## 379	clete	clete
## 380	clock	clock
## 381	close	close
## 382	closer	closer
## 383	closeup	closeup
## 384	cloth	clothing
## 385	club	club
## 386	coach	coach
## 387	coad	coad
## 388	coat	coated
## 389	coconspir	coconspirator
## 390	coin	coin
## 391	coincel	coincell
## 392	coincid	coincidences

## 393	cold	cold
## 394	colder	colder
## 395	colleagu	colleagues
## 396	collect	collected
## 397	collector	collector
## 398	color	color
## 399	colt	colts
## 400	column	column
## 401	columnist	columnist
## 402	combin	combination
## 403	come	come
## 404	comfort	comfortable
## 405	commenc	commences
## 406	commensur	commensurately
## 407	comment	comment
## 408	commentari	commentary
## 409	commission	commissioner
## 410	commit	commitment
## 411	committe	committee
## 412	common	common
## 413	commonwealth	commonwealth
## 414	commun	communications
## 415	compani	company
## 416	compar	compared
## 417	comparison	comparison
## 418	compart	compartment
## 419	competit	competitive
## 420	compil	compiling
## 421	complain	complained
## 422	complaint	complaints
## 423	complet	completely
## 424	compli	complied
## 425	complianc	compliance
## 426	compon	component
## 427	compos	composed
## 428	composit	composition
## 429	comprehens	comprehensive
## 430	compris	comprise
## 431	comput	computed
## 432	conceptu	conceptually
## 433	concern	concerning
## 434	conclud	concluded
## 435	conclus	conclusions
## 436	concurr	concurrently
## 437	condit	conditions
## 438	condition	conditioner
## 439	conditionertr	conditionertreated
## 440	conduct	conducted
## 441	confer	conference
## 442	confid	confidence
## 443	confidenti	confidentiality
## 444	configur	configuration
## 445	confirm	confirmed
## 446	confluenc	confluence

## 447	conform	conforms
## 448	confront	confronted
## 449	congratul	congratulate
## 450	congreg	congregate
## 451	conic	conical
## 452	connect	connection
## 453	consent	consent
## 454	consid	considered
## 455	consider	consideration
## 456	consist	consistent
## 457	conspiraci	conspiracy
## 458	constant	constant
## 459	constantvolum	constantvolume
## 460	constrain	constrained
## 461	constraint	constraints
## 462	construct	construct
## 463	consult	consultants
## 464	consum	consumer
## 465	contact	contact
## 466	contain	contains
## 467	contemporan	contemporaneous
## 468	contend	contended
## 469	content	contents
## 470	context	context
## 471	continu	continue
## 472	contract	contract
## 473	contradict	contradicted
## 474	contrari	contrary
## 475	contrast	contrast
## 476	contribut	contributed
## 477	contributor	contributors
## 478	control	control
## 479	conveni	convenient
## 480	convent	convention
## 481	convers	conversation
## 482	convert	converted
## 483	convey	conveyed
## 484	cool	cooled
## 485	cooper	cooperation
## 486	coordin	coordinator
## 487	copi	copies
## 488	cordial	cordial
## 489	corey	corey
## 490	corner	corner
## 491	correct	correctly
## 492	correl	correlate
## 493	corrent	corrente
## 494	correspond	corresponding
## 495	corridor	corridor
## 496	corrug	corrugations
## 497	costa	costas
## 498	couch	couch
## 499	council	council
## 500	counsel	counsel

## 501	count	count
## 502	countdown	countdown
## 503	counter	counter
## 504	countri	country
## 505	coupl	couple
## 506	cours	course
## 507	courtsid	courtside
## 508	cover	cover
## 509	coverag	coverage
## 510	crappi	crappy
## 511	crawford	crawford
## 512	crazi	crazy
## 513	creat	created
## 514	credenti	credentials
## 515	credibl	credible
## 516	credit	credit
## 517	crew	crew
## 518	cribb	cribbs
## 519	critic	criticism
## 520	cross	cross
## 521	crowd	crowded
## 522	crux	crux
## 523	cube	cube
## 524	curios	curiosity
## 525	curious	curious
## 526	current	current
## 527	curv	curves
## 528	cushion	cushion
## 529	custodi	custody
## 530	customari	customary
## 531	cycl	cycles
## 532	cyclic	cyclic
## 533	cylindr	cylindrical
## 534	daili	daily
## 535	damag	damaged
## 536	damp	damp
## 537	dan	dan
## 538	daniel	daniel
## 539	daniell	danielle
## 540	danni	danny
## 541	dark	dark
## 542	data	data
## 543	date	date
## 544	dave	dave
## 545	david	david
## 546	day	day
## 547	daysto	daysto
## 548	deal	deal
## 549	dealcom	dealcome
## 550	dean	dean
## 551	debri	debris
## 552	decad	decade
## 553	decemb	december
## 554	decid	decided

## 555	decis	decision
## 556	declar	declare
## 557	declin	declined
## 558	decreas	decrease
## 559	deem	deemed
## 560	defac	defacing
## 561	defeat	defeated
## 562	defens	defense
## 563	defin	defined
## 564	definit	definitions
## 565	deflat	deflation
## 566	deflateg	deflategate
## 567	deform	deformation
## 568	degrad	degradation
## 569	degre	degrees
## 570	delay	delay
## 571	deleg	delegated
## 572	delet	deleted
## 573	deliber	deliberate
## 574	deliv	delivered
## 575	deliveri	delivery
## 576	demand	demanded
## 577	demonstr	demonstrated
## 578	deni	denied
## 579	denni	dennis
## 580	denot	denote
## 581	denver	denver
## 582	depart	department
## 583	depend	depending
## 584	depict	depicted
## 585	deposit	deposit
## 586	deriv	derive
## 587	describ	described
## 588	descript	description
## 589	design	designed
## 590	designe	designee
## 591	desir	desired
## 592	despit	despite
## 593	detail	detail
## 594	detect	detected
## 595	determin	determine
## 596	detriment	detrimental
## 597	develin	develin
## 598	develop	developed
## 599	deviat	deviation
## 600	deviationsor	deviationsor
## 601	devic	devices
## 602	devis	devise
## 603	dewitt	dewitt
## 604	diagnos	diagnosed
## 605	didnt	didnt
## 606	differ	difference
## 607	differenti	differential
## 608	difficult	difficult

## 609	difficulti	difficulties
## 610	digit	digital
## 611	dijk	dijk
## 612	dilig	diligent
## 613	dimens	dimensions
## 614	dimension	dimensional
## 615	dimpl	dimples
## 616	dinner	dinner
## 617	direct	directly
## 618	director	director
## 619	dirt	dirt
## 620	disagre	disagree
## 621	disallow	disallow
## 622	disappear	disappearance
## 623	discard	discarding
## 624	discern	discernible
## 625	disciplin	discipline
## 626	disciplinari	disciplinary
## 627	disclos	disclose
## 628	discov	discovered
## 629	discoveri	discovery
## 630	discret	discretion
## 631	discuss	discussed
## 632	dispar	disparity
## 633	display	displayed
## 634	dissatisfact	dissatisfaction
## 635	dissip	dissipated
## 636	distanc	distance
## 637	distinct	distinctive
## 638	distinguish	distinguished
## 639	distribut	distributed
## 640	disturb	disturb
## 641	divid	divided
## 642	divis	division
## 643	division	divisional
## 644	document	documents
## 645	doesnt	doesnt
## 646	dome	domed
## 647	done	done
## 648	dont	dont
## 649	door	door
## 650	doorway	doorway
## 651	dot	dots
## 652	doubt	doubt
## 653	doug	doug
## 654	dougla	douglas
## 655	down	downs
## 656	dozen	dozens
## 657	dpg	dpg
## 658	dqwell	dqwell
## 659	draft	drafted
## 660	draw	draw
## 661	drawn	drawn
## 662	dress	dressing

## 663	drew	drew
## 664	dri	dry
## 665	drift	drift
## 666	drive	drive
## 667	drop	drop
## 668	dropi	dropie
## 669	drove	drove
## 670	drug	drug
## 671	dryness	dryness
## 672	duan	duane
## 673	dudejimmi	dudejimmy
## 674	due	due
## 675	duke	duke
## 676	durat	duration
## 677	duti	duties
## 678	dyrol	dyrol
## 679	earli	early
## 680	earlier	earlier
## 681	earliest	earliest
## 682	easi	easy
## 683	easier	easier
## 684	easili	easily
## 685	ebay	ebay
## 686	edg	edge
## 687	edit	edition
## 688	edt	edt
## 689	edward	edwards
## 690	effect	effect
## 691	effecti	effectie
## 692	effort	efforts
## 693	eight	eight
## 694	either	either
## 695	elaps	elapsed
## 696	electron	electronic
## 697	element	elements
## 698	eleven	eleven
## 699	elimin	eliminate
## 700	els	else
## 701	email	email
## 702	emphas	emphasized
## 703	employ	employed
## 704	employe	employee
## 705	empti	empty
## 706	enclos	enclosed
## 707	encount	encountered
## 708	encourag	encourage
## 709	end	end
## 710	endeavor	endeavored
## 711	enforc	enforcement
## 712	engag	engage
## 713	engin	engineering
## 714	england	england
## 715	enjoy	enjoy
## 716	enough	enough

## 717	ensur	ensure
## 718	entail	entailed
## 719	enter	entered
## 720	entir	entire
## 721	entireti	entirety
## 722	entitl	entitled
## 723	entranc	entrance
## 724	enumer	enumerated
## 725	environ	environment
## 726	environment	environmental
## 727	equal	equal
## 728	equat	equations
## 729	equilibr	equilibrated
## 730	equilibrium	equilibrium
## 731	equip	equipment
## 732	equival	equivalent
## 733	eric	eric
## 734	error	error
## 735	escap	escaped
## 736	escort	escort
## 737	especi	especially
## 738	espn	espn
## 739	espnyet	espnyet
## 740	esq	esq
## 741	essenti	essential
## 742	est	est
## 743	establish	establishes
## 744	estim	estimated
## 745	etc	etc
## 746	evalu	evaluate
## 747	evan	evans
## 748	evas	evasive
## 749	even	even
## 750	evennumb	evennumbered
## 751	event	events
## 752	eventu	eventually
## 753	ever	ever
## 754	everi	every
## 755	everyon	everyone
## 756	everyth	everything
## 757	evid	evidence
## 758	evidentiari	evidentiary
## 759	evolv	evolved
## 760	exact	exactly
## 761	examin	examined
## 762	exampl	example
## 763	exceed	exceed
## 764	except	exception
## 765	exceptionth	exceptionthe
## 766	excess	excess
## 767	exchang	exchanged
## 768	exclud	excluding
## 769	exclus	exclusively
## 770	execut	executive

## 771	exemplar	exemplar
## 772	exhibit	exhibited
## 773	exist	existed
## 774	exit	exited
## 775	expand	expanded
## 776	expect	expected
## 777	expediti	expeditious
## 778	expens	expenses
## 779	experi	experiments
## 780	experien	experienced
## 781	experiment	experimental
## 782	expert	expert
## 783	expertis	expertise
## 784	explain	explained
## 785	explainedboth	explainedboth
## 786	explan	explanation
## 787	explet	expletive
## 788	expon	exponent
## 789	expos	exposed
## 790	exposur	exposure
## 791	express	express
## 792	expressli	expressly
## 793	extend	extend
## 794	extens	extensive
## 795	extent	extent
## 796	exterior	exterior
## 797	extern	external
## 798	extra	extra
## 799	extract	extracted
## 800	extrem	extremely
## 801	eye	eyes
## 802	fabric	fabricated
## 803	face	facing
## 804	facebook	facebook
## 805	facil	facilities
## 806	fact	fact
## 807	factor	factors
## 808	factual	factual
## 809	fahrenheit	fahrenheit
## 810	fail	failed
## 811	failur	failure
## 812	fair	fairly
## 813	fall	fall
## 814	fame	fame
## 815	famili	family
## 816	familiar	familiar
## 817	fan	fans
## 818	far	far
## 819	farley	farley
## 820	fashion	fashion
## 821	fbi	fbi
## 822	featur	feature
## 823	februari	february
## 824	feder	federal

## 825	feel	feel
## 826	feet	feet
## 827	felt	felt
## 828	ferguson	ferguson
## 829	fewer	fewer
## 830	fiancÃ©	fiancée
## 831	field	field
## 832	fifteen	fifteen
## 833	fifteenminut	fifteenminute
## 834	fifth	fifth
## 835	fifti	fifty
## 836	fiftyyard	fiftyyard
## 837	figur	figure
## 838	figuresiv	figuresiv
## 839	fill	fill
## 840	film	film
## 841	final	final
## 842	find	find
## 843	fine	fine
## 844	fing	fing
## 845	finish	finished
## 846	finit	finite
## 847	firm	firm
## 848	first	first
## 849	firsthand	firsthand
## 850	fit	fit
## 851	five	five
## 852	fix	fixed
## 853	fixedvolum	fixedvolume
## 854	fixtur	fixture
## 855	floor	floor
## 856	florida	florida
## 857	fluctuat	fluctuations
## 858	focus	focus
## 859	follow	following
## 860	followedup	followedup
## 861	followup	followup
## 862	footag	footage
## 863	footbal	footballs
## 864	footballhead	footballhead
## 865	footballsat	footballsat
## 866	footballsboth	footballsboth
## 867	footballsisi	footballsisi
## 868	footballth	footballthe
## 869	footwear	footwear
## 870	forc	forcefully
## 871	forecast	forecast
## 872	forens	forensic
## 873	form	form
## 874	formal	formal
## 875	format	formations
## 876	former	former
## 877	formul	formulated
## 878	formula	formulas

## 879	forth	forth
## 880	forti	forty
## 881	fortyf	fortyfive
## 882	forward	forwarded
## 883	found	found
## 884	four	four
## 885	fourteen	fourteen
## 886	foxborough	foxborough
## 887	fraction	fraction
## 888	frame	frame
## 889	free	free
## 890	freedom	freedom
## 891	frequenc	frequency
## 892	frequent	frequently
## 893	fresh	fresh
## 894	friction	friction
## 895	friday	friday
## 896	friend	friend
## 897	front	front
## 898	frustrat	frustration
## 899	fuck	fuck
## 900	fuckin	fuckin
## 901	full	full
## 902	fullback	fullback
## 903	fulli	fully
## 904	fullsiz	fullsize
## 905	fulltim	fulltime
## 906	fumbl	fumbled
## 907	fun	fun
## 908	function	function
## 909	fundament	fundamental
## 910	funni	funny
## 911	funnygo	funnygo
## 912	furnish	furnish
## 913	further	furtherance
## 914	furthermor	furthermore
## 915	futur	future
## 916	fyi	fyi
## 917	fyidav	fyidave
## 918	gabriel	gabriel
## 919	gage	gage
## 920	gain	gain
## 921	galani	galanis
## 922	game	game
## 923	gameaft	gameafter
## 924	gameand	gameand
## 925	gamebal	gameballs
## 926	gameday	gameday
## 927	gametarget	gametargeted
## 928	gameworn	gameworn
## 929	gang	gang
## 930	ganot	ganot
## 931	gardi	gardi
## 932	gari	gary

## 933	garrison	garrison
## 934	gas	gas
## 935	gather	gathered
## 936	gaug	gauge
## 937	gaugeoffici	gaugeofficial
## 938	gaugeteam	gaugeteam
## 939	gaugetogaug	gaugetogauge
## 940	gave	gave
## 941	gaylussac	gaylussacs
## 942	geara	geara
## 943	general	generally
## 944	generat	generated
## 945	generic	generic
## 946	genuin	genuinely
## 947	georg	george
## 948	get	get
## 949	gift	gifts
## 950	gillett	gillette
## 951	give	give
## 952	given	given
## 953	gland	gland
## 954	glauber	glauber
## 955	global	global
## 956	glove	gloving
## 957	go	going
## 958	goal	goal
## 959	gobbi	gobbi
## 960	god	god
## 961	goe	goes
## 962	gold	gold
## 963	goldstein	goldstein
## 964	good	good
## 965	goodel	goodell
## 966	goog	googly
## 967	gostkowksi	gostkowksi
## 968	gostkowski	gostkowski
## 969	got	got
## 970	gotten	gotten
## 971	govern	governing
## 972	grab	grabbed
## 973	gradual	gradually
## 974	graduat	graduations
## 975	grain	grained
## 976	grand	grand
## 977	grant	granted
## 978	graphic	graphically
## 979	gray	gray
## 980	great	great
## 981	greater	greater
## 982	green	green
## 983	greg	greg
## 984	grier	grier
## 985	grigson	grigson
## 986	grip	grip

## 987	gronkowski	gronkowski
## 988	grossi	grossi
## 989	grossito	grossito
## 990	group	group
## 991	grow	grow
## 992	garante	guarantee
## 993	guard	guard
## 994	guess	guessing
## 995	guest	guest
## 996	guid	guide
## 997	guidelin	guidelines
## 998	guy	guy
## 999	hadhazi	hadhazy
## 1000	hahathat	hahathat
## 1001	half	half
## 1002	halftim	halftime
## 1003	halftimeand	halftimeand
## 1004	halfway	halfway
## 1005	halfx	halfx
## 1006	hall	hall
## 1007	hampshir	hampshire
## 1008	hand	handed
## 1009	handl	handled
## 1010	handwrit	handwriting
## 1011	handwritten	handwritten
## 1012	handwrot	handwrote
## 1013	hang	hangs
## 1014	happen	happened
## 1015	happi	happy
## 1016	hard	hard
## 1017	harder	harder
## 1018	harlow	harlow
## 1019	hasnt	hasnt
## 1020	hassl	hassle
## 1021	head	head
## 1022	headquart	headquarters
## 1023	hear	hear
## 1024	heard	heard
## 1025	heat	heated
## 1026	heater	heaters
## 1027	heavi	heavy
## 1028	heavier	heavier
## 1029	heavili	heavily
## 1030	heavilyinfl	heavilyinflated
## 1031	heck	heck
## 1032	held	held
## 1033	help	help
## 1034	hereaft	hereafter
## 1035	herein	herein
## 1036	hes	hes
## 1037	hesh	heshe
## 1038	hey	hey
## 1039	high	high
## 1040	highaccuraci	highaccuracy

## 1041	higher	higher
## 1042	highlight	highlighted
## 1043	highresolut	highresolution
## 1044	hill	hill
## 1045	himand	himand
## 1046	hire	hired
## 1047	histori	histories
## 1048	hold	holding
## 1049	hole	hole
## 1050	holi	holy
## 1051	holiday	holiday
## 1052	hollow	hollow
## 1053	home	home
## 1054	honest	honest
## 1055	honeymoon	honeymoon
## 1056	hood	hooded
## 1057	hope	hopefully
## 1058	horizont	horizontal
## 1059	hour	hours
## 1060	hous	house
## 1061	household	household
## 1062	howev	however
## 1063	human	human
## 1064	humid	humidity
## 1065	humor	humor
## 1066	hundr	hundreds
## 1067	hurri	hurry
## 1068	hurt	hurt
## 1069	hvac	hvac
## 1070	hyperbol	hyperbole
## 1071	idea	idea
## 1072	ideal	ideal
## 1073	ident	identical
## 1074	identif	identification
## 1075	identifi	identified
## 1076	idl	idle
## 1077	ignor	ignored
## 1078	iib	iib
## 1079	iii	iii
## 1080	iiic	iiic
## 1081	ijk	ijk
## 1082	ill	ill
## 1083	illeg	illegal
## 1084	illumin	illuminated
## 1085	illustr	illustrate
## 1086	imag	image
## 1087	immedi	immediately
## 1088	impact	impact
## 1089	implaus	implausible
## 1090	implement	implementing
## 1091	implic	implications
## 1092	import	important
## 1093	impos	impose
## 1094	imprint	imprinted

## 1095	improp	improperly
## 1096	inabl	inability
## 1097	inaccur	inaccurate
## 1098	inadvert	inadvertent
## 1099	inappropri	inappropriate
## 1100	incent	incentive
## 1101	inch	inch
## 1102	inchgaug	inchgauge
## 1103	incid	incident
## 1104	inclement	inclement
## 1105	includ	including
## 1106	inclus	inclusion
## 1107	inconsist	inconsistent
## 1108	incorpor	incorporated
## 1109	incorrect	incorrectly
## 1110	increas	increased
## 1111	increment	increment
## 1112	incropera	incropera
## 1113	inde	indeed
## 1114	independ	independently
## 1115	indiana	indiana
## 1116	indianapoli	indianapolis
## 1117	indic	indicate
## 1118	indisput	indisputable
## 1119	individu	individual
## 1120	indoor	indoors
## 1121	induc	induce
## 1122	infer	infer
## 1123	inflat	inflation
## 1124	inflationlevel	inflationlevel
## 1125	influenc	influenced
## 1126	inform	information
## 1127	infrar	infrared
## 1128	infrequ	infrequently
## 1129	ingresseggress	ingresseggress
## 1130	initi	initial
## 1131	inlet	inlet
## 1132	inner	inner
## 1133	innov	innovation
## 1134	inperson	inperson
## 1135	input	input
## 1136	inquiri	inquiry
## 1137	inscrib	inscribed
## 1138	inscript	inscription
## 1139	insert	inserted
## 1140	insid	inside
## 1141	inspect	inspection
## 1142	instanc	instance
## 1143	instant	instant
## 1144	instantan	instantaneously
## 1145	instead	instead
## 1146	institut	institute
## 1147	instruct	instructed
## 1148	insuffici	insufficiently

## 1149	insur	insure
## 1150	integr	integrity
## 1151	intend	intended
## 1152	intensifi	intensified
## 1153	intent	intent
## 1154	interact	interaction
## 1155	intercept	intercepted
## 1156	interest	interest
## 1157	interfac	interface
## 1158	interject	interjected
## 1159	intermitt	intermittent
## 1160	intern	internal
## 1161	internet	internet
## 1162	interpret	interpretation
## 1163	interrel	interrelation
## 1164	interrogatori	interrogatories
## 1165	intersect	intersect
## 1166	interv	intervals
## 1167	interven	intervene
## 1168	intervent	intervention
## 1169	interview	interview
## 1170	interviewedwhen	interviewedwhen
## 1171	interviewwa	interviewwas
## 1172	introduc	introduce
## 1173	introduc	introduction
## 1174	invert	inverted
## 1175	investig	investigation
## 1176	invit	inviting
## 1177	involv	involved
## 1178	inward	inwardly
## 1179	irretriev	irretrievable
## 1180	isnt	isnt
## 1181	iso	iso
## 1182	issu	issue
## 1183	item	items
## 1184	iter	iteratively
## 1185	itll	itll
## 1186	itlook	itlooks
## 1187	ivb	ivb
## 1188	ive	ive
## 1189	ixb	ixb
## 1190	jack	jack
## 1191	jacket	jackets
## 1192	jackson	jackson
## 1193	jame	james
## 1194	jan	jan
## 1195	januari	january
## 1196	jason	jason
## 1197	jastremski	jastremski
## 1198	jastremskiwho	jastremskiwho
## 1199	jeff	jeff
## 1200	jen	jen
## 1201	jerom	jerome
## 1202	jerri	jerry

## 1203	jersey	jersey
## 1204	jet	jets
## 1205	jfs	jfs
## 1206	jim	jim
## 1207	jimmi	jimmy
## 1208	jkt	jkt
## 1209	job	job
## 1210	john	john
## 1211	johnni	johnny
## 1212	join	joined
## 1213	joint	joint
## 1214	joke	joke
## 1215	jon	jon
## 1216	jonathan	jonathan
## 1217	jonni	jonny
## 1218	joshua	joshua
## 1219	journal	journals
## 1220	judg	judge
## 1221	juli	july
## 1222	junior	junior
## 1223	juniormost	juniormost
## 1224	jurisdict	jurisdiction
## 1225	just	just
## 1226	justif	justifications
## 1227	karp	karp
## 1228	kball	kball
## 1229	keep	keep
## 1230	keith	keith
## 1231	kensil	kensil
## 1232	kept	kept
## 1233	kerzner	kerzner
## 1234	kevin	kevin
## 1235	key	key
## 1236	kick	kicking
## 1237	kicker	kicker
## 1238	kickoff	kickoff
## 1239	kickoffjim	kickoffjim
## 1240	kickslet	kickslets
## 1241	kid	kid
## 1242	kidbig	kidbig
## 1243	kind	kind
## 1244	king	king
## 1245	kneeldown	kneeldown
## 1246	knew	knew
## 1247	know	know
## 1248	knowledg	knowledge
## 1249	known	known
## 1250	kraft	kraft
## 1251	kravitz	kravitz
## 1252	krysiak	krysiak
## 1253	kth	kth
## 1254	ktype	ktype
## 1255	kyle	kyle
## 1256	label	labels

## 1257	labor	labor
## 1258	laboratori	laboratory
## 1259	lace	laces
## 1260	lack	lack
## 1261	laid	laid
## 1262	laker	lakers
## 1263	languagetom	languagetom
## 1264	larg	large
## 1265	larger	larger
## 1266	laser	laser
## 1267	last	last
## 1268	latch	latching
## 1269	late	late
## 1270	later	later
## 1271	latest	latest
## 1272	laugh	laughed
## 1273	law	law
## 1274	lawyer	lawyers
## 1275	layer	layers
## 1276	layout	layout
## 1277	lbs	lbs
## 1278	lcd	lcd
## 1279	lead	leading
## 1280	leagu	league
## 1281	leaguemand	leaguemandated
## 1282	leak	leak
## 1283	leakag	leakage
## 1284	learn	learned
## 1285	least	least
## 1286	leather	leather
## 1287	leatherpalm	leatherpalmed
## 1288	leav	leave
## 1289	leavi	leavy
## 1290	led	led
## 1291	lee	lee
## 1292	left	left
## 1293	lefthand	lefthand
## 1294	legal	legal
## 1295	legend	legend
## 1296	legitim	legitimate
## 1297	length	length
## 1298	lengthi	lengthy
## 1299	less	less
## 1300	lesser	lesser
## 1301	let	let
## 1302	letter	letter
## 1303	level	level
## 1304	leven	levenes
## 1305	lever	lever
## 1306	liaison	liaison
## 1307	licens	licensed
## 1308	lie	lied
## 1309	lightheart	lighthearted
## 1310	like	likely

## 1311	likelihood	likelihood
## 1312	likelihooda	likelihooda
## 1313	likewis	likewise
## 1314	limit	limited
## 1315	line	line
## 1316	linear	linear
## 1317	lineback	linebacker
## 1318	linesman	linesman
## 1319	link	linking
## 1320	list	listed
## 1321	listen	listened
## 1322	littl	little
## 1323	live	lived
## 1324	llc	llc
## 1325	llp	llp
## 1326	load	loading
## 1327	lob	lob
## 1328	lobbi	lobbying
## 1329	local	local
## 1330	locat	located
## 1331	lock	locked
## 1332	locker	locker
## 1333	log	log
## 1334	logic	logical
## 1335	logo	logo
## 1336	logogaug	logogauge
## 1337	logononlogo	logononlogo
## 1338	long	long
## 1339	longer	longer
## 1340	longstand	longstanding
## 1341	longterm	longterm
## 1342	look	look
## 1343	lorin	lorin
## 1344	los	los
## 1345	lose	lose
## 1346	loss	loss
## 1347	lost	lost
## 1348	lot	lot
## 1349	love	love
## 1350	low	low
## 1351	lower	lower
## 1352	lowerend	lowerend
## 1353	lowest	lowest
## 1354	lubric	lubricated
## 1355	luck	luck
## 1356	lucki	lucky
## 1357	macki	mackie
## 1358	made	made
## 1359	magnitud	magnitude
## 1360	main	main
## 1361	maintain	maintained
## 1362	major	majority
## 1363	make	make
## 1364	maker	maker

## 1365	malfunct	malfunction
## 1366	man	manning
## 1367	manag	manager
## 1368	maneu	maneuver
## 1369	mani	many
## 1370	manifold	manifold
## 1371	manner	manner
## 1372	manual	manual
## 1373	manufactur	manufacture
## 1374	map	mapped
## 1375	mar	mar
## 1376	march	march
## 1377	mark	mark
## 1378	marker	marker
## 1379	marlow	marlow
## 1380	mass	mass
## 1381	massachusett	massachusetts
## 1382	master	master
## 1383	match	matched
## 1384	materi	materials
## 1385	mathemat	mathematical
## 1386	matrix	matrix
## 1387	matter	matter
## 1388	maxim	maximize
## 1389	maximum	maximum
## 1390	may	may
## 1391	mayb	maybe
## 1392	mcaulay	mcaulay
## 1393	mckinn	mckinnely
## 1394	mcnalli	mcnally
## 1395	mcnulti	mcnulty
## 1396	mean	mean
## 1397	meant	meant
## 1398	measur	measurements
## 1399	mechan	mechanical
## 1400	media	media
## 1401	mediaand	mediaand
## 1402	meet	meeting
## 1403	meetingsthat	meetingsthat
## 1404	member	members
## 1405	memento	memento
## 1406	memoranda	memoranda
## 1407	memorandum	memorandum
## 1408	memori	memory
## 1409	menlo	menlo
## 1410	mention	mentioned
## 1411	mere	merely
## 1412	mesh	mesh
## 1413	messag	messages
## 1414	messagesubsequ	messagesubsequently
## 1415	met	met
## 1416	metal	metallic
## 1417	metallurg	metallurgical
## 1418	meter	meter

## 1419	method	methods
## 1420	methodolog	methodology
## 1421	meticul	meticulous
## 1422	metric	metrics
## 1423	meyer	meyer
## 1424	michael	michael
## 1425	middl	middle
## 1426	midnight	midnight
## 1427	midpoint	midpoint
## 1428	midsunday	midsunday
## 1429	midway	midway
## 1430	midweek	midweek
## 1431	might	might
## 1432	mike	mike
## 1433	mile	miles
## 1434	mileston	milestone
## 1435	milller	milller
## 1436	milton	milton
## 1437	min	min
## 1438	mind	mindful
## 1439	minicollect	minicollection
## 1440	minim	minimal
## 1441	minimum	minimum
## 1442	minimummaximum	minimummaximum
## 1443	minirefriger	minirefrigerator
## 1444	minsec	minsec
## 1445	minut	minutes
## 1446	miss	missing
## 1447	mistak	mistake
## 1448	mitig	mitigate
## 1449	mix	mix
## 1450	mixtur	mixture
## 1451	mobil	mobile
## 1452	mode	mode
## 1453	model	model
## 1454	modif	modification
## 1455	modifi	modified
## 1456	moist	moist
## 1457	moistur	moisture
## 1458	mole	moles
## 1459	molecul	molecules
## 1460	moli	moly
## 1461	mom	mom
## 1462	monday	monday
## 1463	money	money
## 1464	monitor	monitored
## 1465	month	months
## 1466	morelli	morelli
## 1467	moreov	moreover
## 1468	morn	morning
## 1469	morri	morris
## 1470	mother	mother
## 1471	motion	motioned
## 1472	mount	mounted

## 1473	move	moved
## 1474	mph	mph
## 1475	much	much
## 1476	multimet	multimeter
## 1477	multipl	multiple
## 1478	murphi	murphy
## 1479	must	must
## 1480	mvp	mvp
## 1481	nah	nah
## 1482	najarian	najarian
## 1483	name	name
## 1484	narrowli	narrowly
## 1485	nation	national
## 1486	nationallytelevis	nationallytelevised
## 1487	natur	natural
## 1488	nbc	nbc
## 1489	near	near
## 1490	nearbi	nearby
## 1491	necessari	necessary
## 1492	necessarili	necessarily
## 1493	need	needed
## 1494	needl	needle
## 1495	needlefuckin	needlefuckin
## 1496	neglig	negligible
## 1497	negoti	negotiate
## 1498	neither	neither
## 1499	nervous	nervous
## 1500	never	never
## 1501	nevertheless	nevertheless
## 1502	new	new
## 1503	newkicksor	newkicksor
## 1504	news	news
## 1505	newsday	newsday
## 1506	next	next
## 1507	nfc	nfc
## 1508	nfl	nfl
## 1509	nfls	nfls
## 1510	nflspecifi	nflspecified
## 1511	nice	nice
## 1512	nicknam	nickname
## 1513	night	night
## 1514	nine	nine
## 1515	nineteen	nineteen
## 1516	nist	nist
## 1517	nomenclatur	nomenclature
## 1518	nomin	nominal
## 1519	nonapprov	nonapproved
## 1520	noncompli	noncompliance
## 1521	none	none
## 1522	nonkick	nonkicking
## 1523	nonlinear	nonlinear
## 1524	nonlogo	nonlogo
## 1525	nonzero	nonzero
## 1526	nope	nope

## 1527	normal	normal
## 1528	northeast	northeast
## 1529	notabl	notably
## 1530	notat	notation
## 1531	notbi	notby
## 1532	note	noted
## 1533	noteworthy	noteworthy
## 1534	noth	nothing
## 1535	nothingwait	nothingwait
## 1536	notic	noticeably
## 1537	notifi	notified
## 1538	notion	notion
## 1539	nov	nov
## 1540	novak	novak
## 1541	novemb	november
## 1542	now	now
## 1543	nrt	nrt
## 1544	nub	nubs
## 1545	number	number
## 1546	numer	numerical
## 1547	nut	nuts
## 1548	object	objective
## 1549	oblig	obligations
## 1550	observ	observed
## 1551	obtain	obtained
## 1552	obvious	obvious
## 1553	occas	occasions
## 1554	occasion	occasionally
## 1555	occur	occurred
## 1556	oct	oct
## 1557	octob	october
## 1558	odd	odd
## 1559	oddnumb	oddnumbered
## 1560	offend	offending
## 1561	offens	offense
## 1562	offer	offered
## 1563	offic	office
## 1564	offici	officials
## 1565	officialsnot	officialsnot
## 1566	offseason	offseason
## 1567	often	often
## 1568	oili	oily
## 1569	okay	okay
## 1570	old	old
## 1571	omega	omega
## 1572	omg	omg
## 1573	omit	omitted
## 1574	onboard	onboard
## 1575	one	one
## 1576	ongo	ongoing
## 1577	onlogo	onlogo
## 1578	onoff	onoff
## 1579	onto	onto
## 1580	op	ops

## 1581	open	open
## 1582	oper	operations
## 1583	opinion	opinions
## 1584	opportun	opportunity
## 1585	oppos	opposed
## 1586	opposit	opposite
## 1587	orang	orange
## 1588	order	order
## 1589	ordinari	ordinary
## 1590	ordinarili	ordinarily
## 1591	ore	oring
## 1592	orel	orel
## 1593	organ	organized
## 1594	origin	original
## 1595	osborn	osborne
## 1596	ostens	ostensibly
## 1597	other	others
## 1598	otherson	otheronly
## 1599	otherwis	otherwise
## 1600	outcom	outcome
## 1601	outdoor	outdoor
## 1602	outer	outer
## 1603	outlin	outlined
## 1604	outsid	outside
## 1605	over	overly
## 1606	overal	overall
## 1607	overestim	overestimated
## 1608	overinfl	overinflated
## 1609	overlaid	overlaid
## 1610	overlap	overlap
## 1611	overlay	overlying
## 1612	overse	oversees
## 1613	oversea	overseas
## 1614	overseen	overseen
## 1615	overshot	overshot
## 1616	overtim	overtime
## 1617	overview	overview
## 1618	overwritten	overwritten
## 1619	owner	owner
## 1620	ownership	ownership
## 1621	pack	packed
## 1622	packer	packers
## 1623	paganelli	paganelli
## 1624	page	page
## 1625	pain	pain
## 1626	paint	paint
## 1627	pair	pairs
## 1628	panda	panda
## 1629	paper	papers
## 1630	parallel	parallel
## 1631	paramet	parameters
## 1632	park	park
## 1633	parri	parry
## 1634	part	part

## 1635	partial	partially
## 1636	particip	participated
## 1637	particul	particulate
## 1638	particular	particular
## 1639	parttim	parttime
## 1640	parttimehour	parttimehourly
## 1641	pash	pash
## 1642	pass	passing
## 1643	passer	passer
## 1644	past	past
## 1645	path	path
## 1646	patriot	patriots
## 1647	patriotscolt	patriotscolts
## 1648	patriotscom	patriotscom
## 1649	patriotsissu	patriotsissued
## 1650	patriotsprovid	patriotsprovided
## 1651	paul	paul
## 1652	pay	pay
## 1653	pebbl	pebble
## 1654	pee	pees
## 1655	pen	pen
## 1656	penetr	penetrate
## 1657	peopl	people
## 1658	peoplegam	peoplegame
## 1659	per	per
## 1660	perceiv	perceived
## 1661	percent	percent
## 1662	percentthat	percentthat
## 1663	perfect	perfect
## 1664	perform	performed
## 1665	perimet	perimeter
## 1666	period	period
## 1667	perman	permanently
## 1668	permeabl	permeability
## 1669	permiss	permissible
## 1670	permit	permitted
## 1671	permut	permutations
## 1672	person	person
## 1673	personnel	personnel
## 1674	pertain	pertaining
## 1675	pertin	pertinent
## 1676	pete	pete
## 1677	peter	peter
## 1678	petrucci	petrucci
## 1679	peyton	peyton
## 1680	phenomenon	phenomenon
## 1681	phil	phil
## 1682	phone	phone
## 1683	phonebas	phonebased
## 1684	phoneto	phoneto
## 1685	photograph	photograph
## 1686	phrase	phrase
## 1687	physic	physical
## 1688	physician	physicians

## 1689	pick	picked
## 1690	pictur	picture
## 1691	pig	pig
## 1692	pin	pin
## 1693	pink	pink
## 1694	place	place
## 1695	placement	placement
## 1696	plan	plan
## 1697	plastic	plastic
## 1698	plausibl	plausible
## 1699	play	playing
## 1700	playabl	playable
## 1701	player	players
## 1702	playoff	playoff
## 1703	plead	plead
## 1704	pleas	pleased
## 1705	pledg	pledging
## 1706	plot	plot
## 1707	pmtwenti	pmtwenty
## 1708	point	point
## 1709	polic	police
## 1710	polici	policy
## 1711	pool	pool
## 1712	portion	portion
## 1713	pose	posing
## 1714	posit	positions
## 1715	possess	possession
## 1716	possibl	possible
## 1717	post	posted
## 1718	postgam	postgame
## 1719	posthalftim	posthalftime
## 1720	postseason	postseason
## 1721	potenti	potential
## 1722	pound	pounds
## 1723	power	power
## 1724	practic	practice
## 1725	prais	praised
## 1726	preced	preceding
## 1727	precipit	precipitation
## 1728	precis	precise
## 1729	predecessor	predecessor
## 1730	predict	predicted
## 1731	preemptiv	preemptively
## 1732	preexist	preexisting
## 1733	prefer	preference
## 1734	pregam	pregame
## 1735	preliminari	preliminary
## 1736	premark	premarks
## 1737	prenumb	prenumbered
## 1738	prepar	preparation
## 1739	preparationwer	preparationwere
## 1740	preparatori	preparatory
## 1741	preponder	preponderance
## 1742	prerub	prerub

## 1743	preschedul	prescheduled
## 1744	prescrib	prescribed
## 1745	preseason	preseason
## 1746	present	present
## 1747	preserv	preservative
## 1748	presid	president
## 1749	press	press
## 1750	pressur	pressure
## 1751	pressuretemperatur	pressuretemperature
## 1752	pressuretim	pressuretime
## 1753	presum	presumably
## 1754	pretti	pretty
## 1755	previous	previously
## 1756	primari	primary
## 1757	primarili	primarily
## 1758	princeton	princeton
## 1759	princip	principal
## 1760	principl	principles
## 1761	print	printed
## 1762	prioleau	prioleau
## 1763	prioleaus	prioleaus
## 1764	prior	prior
## 1765	privaci	privacy
## 1766	privat	private
## 1767	pro	pro
## 1768	prob	prob
## 1769	probabl	probable
## 1770	problem	problem
## 1771	procedur	procedure
## 1772	proceed	proceeding
## 1773	process	process
## 1774	procur	procure
## 1775	produc	produced
## 1776	product	product
## 1777	profession	professional
## 1778	professor	professor
## 1779	profil	profile
## 1780	profootballtalk	profootballtalk
## 1781	program	programs
## 1782	prohibit	prohibit
## 1783	project	project
## 1784	prompt	promptly
## 1785	pronounc	pronouncements
## 1786	proof	proof
## 1787	proper	properly
## 1788	proport	proportional
## 1789	propos	proposal
## 1790	protocol	protocol
## 1791	prove	proved
## 1792	provid	provided
## 1793	provis	provisions
## 1794	proxim	proximity
## 1795	psi	psi
## 1796	psig	psig

## 1797	public	public
## 1798	publish	published
## 1799	pump	pump
## 1800	punt	punt
## 1801	punter	punter
## 1802	purchas	purchased
## 1803	purpos	purpose
## 1804	pursuant	pursuant
## 1805	push	push
## 1806	put	put
## 1807	pvalu	pvalue
## 1808	pye	pye
## 1809	qbs	qbs
## 1810	qualifi	qualified
## 1811	qualit	qualitatively
## 1812	qualiti	qualities
## 1813	quantifi	quantify
## 1814	quarter	quarter
## 1815	quarterback	quarterback
## 1816	quasioffic	quasioffice
## 1817	question	questions
## 1818	quick	quickly
## 1819	quiet	quiet
## 1820	quinci	quincy
## 1821	quot	quoted
## 1822	radio	radio
## 1823	radioa	radioa
## 1824	rain	rain
## 1825	rais	raised
## 1826	rakov	rakov
## 1827	ran	ran
## 1828	random	random
## 1829	rang	range
## 1830	rapid	rapidly
## 1831	rate	rate
## 1832	rather	rather
## 1833	raucci	raucci
## 1834	raven	ravens
## 1835	ravensprepar	ravensprepared
## 1836	raytheon	raytheon
## 1837	reach	reach
## 1838	reaction	reaction
## 1839	read	readings
## 1840	reader	reader
## 1841	readi	ready
## 1842	readili	readily
## 1843	readjust	readjusted
## 1844	real	real
## 1845	realist	realistic
## 1846	realiz	realized
## 1847	realli	really
## 1848	reason	reasons
## 1849	rebecca	rebecca
## 1850	recal	recall

## 1851	receipt	receipt
## 1852	receiv	received
## 1853	recent	recent
## 1854	recharacter	recharacterize
## 1855	recheck	recheck
## 1856	recipi	recipient
## 1857	recogn	recognized
## 1858	recognit	recognition
## 1859	recollect	recollection
## 1860	recommend	recommendations
## 1861	reconcil	reconcile
## 1862	reconsid	reconsidered
## 1863	record	recorded
## 1864	recount	recounted
## 1865	recov	recovered
## 1866	recover	recoverable
## 1867	red	red
## 1868	reduc	reduced
## 1869	reduct	reduction
## 1870	reenact	reenactment
## 1871	ref	refs
## 1872	refer	reference
## 1873	refere	referee
## 1874	referenc	referenced
## 1875	refin	refined
## 1876	reflect	reflect
## 1877	refresh	refreshments
## 1878	refriger	refrigerator
## 1879	refus	refused
## 1880	regard	regarding
## 1881	regardless	regardless
## 1882	regaug	regauging
## 1883	region	region
## 1884	regist	registered
## 1885	regress	regression
## 1886	regul	regulated
## 1887	regular	regular
## 1888	regulatori	regulatory
## 1889	reinflat	reinflated
## 1890	reinflatdimprov	reinflatdimproved
## 1891	reinterview	reinterview
## 1892	reintroduc	reintroduce
## 1893	reintroduc	reintroduction
## 1894	reisner	reisner
## 1895	reiter	reiterated
## 1896	reject	reject
## 1897	relat	relatively
## 1898	relatedissu	relatedissues
## 1899	relationship	relationship
## 1900	relay	relayed
## 1901	releas	release
## 1902	relev	relevant
## 1903	reli	relied
## 1904	reliabl	reliably

## 1905	relianc	reliance
## 1906	reluct	reluctant
## 1907	remain	remained
## 1908	remaind	remainder
## 1909	remark	remarked
## 1910	rememb	remember
## 1911	remind	reminded
## 1912	remov	removed
## 1913	renaiss	renaissance
## 1914	repack	repack
## 1915	repeat	repeatability
## 1916	replac	replaced
## 1917	replay	replay
## 1918	replic	replicated
## 1919	report	report
## 1920	repres	representative
## 1921	represent	representation
## 1922	repressur	repressurized
## 1923	reproduc	reproduced
## 1924	request	request
## 1925	requir	required
## 1926	resal	resale
## 1927	research	research
## 1928	resembl	resembles
## 1929	reserv	reserve
## 1930	reset	reset
## 1931	reshap	reshaping
## 1932	resist	resisted
## 1933	resolut	resolution
## 1934	respect	respectively
## 1935	respectivelyabout	respectivelyabout
## 1936	respectthey	respectthey
## 1937	respond	responded
## 1938	respons	response
## 1939	rest	rest
## 1940	result	results
## 1941	retail	retailers
## 1942	retain	retained
## 1943	retriev	retrieved
## 1944	return	returned
## 1945	reus	reuse
## 1946	reveal	revealed
## 1947	revers	reversal
## 1948	review	review
## 1949	revis	revised
## 1950	revisit	revisited
## 1951	rezero	rezeroed
## 1952	rezip	rezippered
## 1953	richard	richard
## 1954	ridicul	ridiculous
## 1955	rifkind	rifkind
## 1956	right	right
## 1957	rightto	rightto
## 1958	rigid	rigid

## 1959	rise	rise
## 1960	risen	risen
## 1961	risk	risk
## 1962	rita	rita
## 1963	riveron	riveron
## 1964	road	road
## 1965	rob	rob
## 1966	robert	robert
## 1967	roger	roger
## 1968	role	role
## 1969	room	room
## 1970	rooma	roomas
## 1971	roomwalt	roomwalt
## 1972	rosburg	rosburg
## 1973	rose	rose
## 1974	rosenbaum	rosenbaum
## 1975	roster	roster
## 1976	rotat	rotated
## 1977	rough	roughly
## 1978	round	round
## 1979	routin	routine
## 1980	row	rows
## 1981	rsquar	rsquared
## 1982	rub	rubbing
## 1983	rubber	rubber
## 1984	rugbi	rugby
## 1985	rule	rules
## 1986	run	run
## 1987	ryan	ryan
## 1988	safe	safe
## 1989	safeti	safety
## 1990	said	said
## 1991	sale	sale
## 1992	sampl	sample
## 1993	sat	sat
## 1994	satisfact	satisfaction
## 1995	saturday	saturday
## 1996	save	save
## 1997	saw	saw
## 1998	say	say
## 1999	scale	scale
## 2000	scan	scans
## 2001	scandal	scandal
## 2002	scenario	scenario
## 2003	scene	scene
## 2004	schedul	schedule
## 2005	schemat	schematically
## 2006	schoenfeld	schoenfeld
## 2007	school	school
## 2008	scienc	science
## 2009	scientif	scientific
## 2010	scientist	scientists
## 2011	scope	scope
## 2012	score	score

## 2013	scoreboard	scoreboard
## 2014	scott	scott
## 2015	screen	screen
## 2016	scrimmag	scrimmage
## 2017	seabrook	seabrooks
## 2018	seahawk	seahawks
## 2019	seal	sealed
## 2020	sealer	sealer
## 2021	sean	sean
## 2022	season	season
## 2023	seasoncould	seasoncould
## 2024	seat	seats
## 2025	seattl	seattle
## 2026	sec	sec
## 2027	second	second
## 2028	secondhalf	secondhalf
## 2029	section	section
## 2030	secur	security
## 2031	see	see
## 2032	seek	seeking
## 2033	seem	seemingly
## 2034	seen	seen
## 2035	select	select
## 2036	selfconsist	selfconsistent
## 2037	sell	sell
## 2038	semibust	semibusting
## 2039	send	send
## 2040	sender	sender
## 2041	senior	senior
## 2042	sens	sense
## 2043	sensit	sensitivity
## 2044	sensor	sensor
## 2045	sent	sent
## 2046	sentinel	sentinel
## 2047	separ	separate
## 2048	sept	sept
## 2049	septemb	september
## 2050	sequenc	sequence
## 2051	sequenti	sequential
## 2052	sergeant	sergeant
## 2053	seri	series
## 2054	serious	serious
## 2055	serv	served
## 2056	servic	services
## 2057	session	sessions
## 2058	set	set
## 2059	settl	settle
## 2060	setup	setup
## 2061	seven	seven
## 2062	sever	several
## 2063	shade	shaded
## 2064	shall	shall
## 2065	shape	shape
## 2066	share	shared

## 2067	sharpi	sharpie
## 2068	sheet	sheeting
## 2069	shield	shield
## 2070	ship	shipped
## 2071	shitti	shitty
## 2072	shop	shop
## 2073	short	shortly
## 2074	shorter	shorter
## 2075	shortterm	shortterm
## 2076	show	showing
## 2077	shower	shower
## 2078	shown	shown
## 2079	shred	shred
## 2080	shut	shut
## 2081	sic	sic
## 2082	side	side
## 2083	sidebysid	sidebyside
## 2084	sidelin	sideline
## 2085	sight	sight
## 2086	sign	sign
## 2087	signatur	signature
## 2088	signific	significant
## 2089	signora	signora
## 2090	similar	similar
## 2091	simpl	simple
## 2092	simpli	simply
## 2093	simplic	simplicity
## 2094	simul	simulations
## 2095	simultan	simultaneously
## 2096	sinc	since
## 2097	singl	single
## 2098	singletoilet	singletoilet
## 2099	sink	sink
## 2100	sister	sister
## 2101	sit	sitting
## 2102	site	site
## 2103	situat	situation
## 2104	six	six
## 2105	sixman	sixman
## 2106	sixth	sixth
## 2107	size	size
## 2108	skin	skin
## 2109	sleep	sleeping
## 2110	sleepless	sleepless
## 2111	slept	slept
## 2112	slight	slightly
## 2113	slowli	slowly
## 2114	sluggish	sluggish
## 2115	small	small
## 2116	smaller	smaller
## 2117	smallestlargest	smallestlargest
## 2118	smooth	smooth
## 2119	snap	snaps
## 2120	sneaker	sneakers

## 2121	sneakerssometim	sneakerssometime
## 2122	soccer	soccer
## 2123	social	social
## 2124	soft	soft
## 2125	soften	soften
## 2126	softer	softer
## 2127	softwar	software
## 2128	sold	sold
## 2129	solder	soldered
## 2130	sole	sole
## 2131	solid	solid
## 2132	somebodi	somebody
## 2133	someon	someone
## 2134	someth	something
## 2135	sometim	sometime
## 2136	soon	soon
## 2137	sooner	sooner
## 2138	sort	sorted
## 2139	sought	sought
## 2140	sourc	source
## 2141	southern	southern
## 2142	space	space
## 2143	span	span
## 2144	spaz	spaz
## 2145	speak	speak
## 2146	special	special
## 2147	specialist	specialist
## 2148	specif	specifically
## 2149	specifi	specify
## 2150	specul	speculated
## 2151	speed	speed
## 2152	spend	spend
## 2153	spent	spent
## 2154	spike	spiking
## 2155	split	split
## 2156	spoke	spoke
## 2157	spoken	spoken
## 2158	spokesman	spokesman
## 2159	spong	sponge
## 2160	spongi	spongy
## 2161	sport	sports
## 2162	spot	spot
## 2163	spray	spray
## 2164	spread	spread
## 2165	sprung	sprung
## 2166	squar	square
## 2167	squeez	squeezed
## 2168	stabil	stability
## 2169	stadia	stadia
## 2170	stadium	stadium
## 2171	stadiumwith	stadiumwith
## 2172	staff	staff
## 2173	stage	stages
## 2174	stall	stalls

## 2175	stamp	stamped
## 2176	stampmark	stampmark
## 2177	stand	standing
## 2178	standard	standard
## 2179	standpoint	standpoint
## 2180	start	start
## 2181	state	stated
## 2182	statement	statements
## 2183	statementwhich	statementwhich
## 2184	station	station
## 2185	statist	statistical
## 2186	status	status
## 2187	stay	stayed
## 2188	steffey	steffey
## 2189	stellj	stelljes
## 2190	stem	stem
## 2191	step	step
## 2192	stephen	stephen
## 2193	stepwis	stepwise
## 2194	steve	steve
## 2195	steward	stewards
## 2196	sticker	sticker
## 2197	still	still
## 2198	sting	sting
## 2199	stone	stone
## 2200	stood	stood
## 2201	stool	stools
## 2202	stop	stopped
## 2203	store	stored
## 2204	stori	story
## 2205	straight	straight
## 2206	straightforward	straightforward
## 2207	stress	stress
## 2208	strict	strictly
## 2209	string	string
## 2210	strong	strong
## 2211	struck	struck
## 2212	structur	structural
## 2213	stubhub	stubhub
## 2214	studi	study
## 2215	stuff	stuff
## 2216	style	style
## 2217	styliz	stylized
## 2218	subject	subject
## 2219	submit	submit
## 2220	subscript	subscripts
## 2221	subsequ	subsequent
## 2222	substanc	substance
## 2223	substanti	substantial
## 2224	substitut	substitution
## 2225	subtl	subtle
## 2226	subtract	subtracting
## 2227	suck	suck
## 2228	sucksim	sucksim

## 2229	sudden	suddenly
## 2230	suffer	suffer
## 2231	suffici	sufficient
## 2232	suggest	suggested
## 2233	suit	suit
## 2234	sullivan	sullivan
## 2235	sum	sum
## 2236	summar	summarized
## 2237	summari	summary
## 2238	summaryix	summaryix
## 2239	sun	sun
## 2240	sunday	sunday
## 2241	sundayjust	sundayjust
## 2242	sun	sun
## 2243	super	super
## 2244	supervis	supervise
## 2245	supervisor	supervisor
## 2246	supplement	supplemental
## 2247	suppli	supply
## 2248	support	support
## 2249	suppos	supposed
## 2250	sure	sure
## 2251	surfac	surface
## 2252	surpass	surpassed
## 2253	surpris	surprised
## 2254	surrend	surrendered
## 2255	surround	surrounded
## 2256	suscept	susceptible
## 2257	suspect	suspected
## 2258	suspicion	suspicious
## 2259	sustain	sustained
## 2260	svp	svp
## 2261	sweat	sweat
## 2262	sweatshirt	sweatshirt
## 2263	sweet	sweet
## 2264	switch	switch
## 2265	symbol	symbol
## 2266	system	system
## 2267	systemat	systematically
## 2268	tabl	table
## 2269	tac	tac
## 2270	tack	tack
## 2271	tacki	tacky
## 2272	tailor	tailored
## 2273	take	taking
## 2274	taken	taken
## 2275	talk	talked
## 2276	tampa	tampa
## 2277	tamper	tampering
## 2278	tan	tan
## 2279	tape	tape
## 2280	target	target
## 2281	task	task
## 2282	tcttk	tcttk

## 2283	teach	teaching
## 2284	team	team
## 2285	teamgaug	teamgauge
## 2286	tear	tear
## 2287	techniqu	technique
## 2288	technolog	technology
## 2289	tee	tee
## 2290	telecast	telecast
## 2291	telephon	telephone
## 2292	televis	television
## 2293	tell	tell
## 2294	temperatur	temperature
## 2295	temperatureinduc	temperatureinduced
## 2296	temperaturerepressur	temperaturepressure
## 2297	temperaturerel	temperaturerelative
## 2298	temporari	temporary
## 2299	ten	ten
## 2300	tend	tends
## 2301	tendenc	tendencies
## 2302	tenur	tenured
## 2303	term	term
## 2304	termin	terminals
## 2305	terminolog	terminology
## 2306	terri	terry
## 2307	test	tested
## 2308	testedinclud	testedincluding
## 2309	testifi	testifying
## 2310	testimoni	testimony
## 2311	testsblakeman	testsblakeman
## 2312	testth	testthe
## 2313	text	text
## 2314	textur	texture
## 2315	thank	thank
## 2316	that	thats
## 2317	thencolt	thencolts
## 2318	thenequip	thenequipment
## 2319	thennfl	thennfl
## 2320	theodor	theodore
## 2321	theoret	theoretically
## 2322	theori	theory
## 2323	there	theres
## 2324	thereaft	thereafter
## 2325	therefor	therefore
## 2326	thereof	thereof
## 2327	therev	thereve
## 2328	thermal	thermal
## 2329	thermocoupl	thermocouple
## 2330	thermodynam	thermodynamics
## 2331	thermostat	thermostat
## 2332	thin	thin
## 2333	thing	things
## 2334	think	think
## 2335	third	third
## 2336	thirteen	thirteen

## 2337	thirteenth	thirteenth
## 2338	thirti	thirty
## 2339	thirtyminut	thirtyminute
## 2340	thornton	thornton
## 2341	thorough	thorough
## 2342	though	though
## 2343	thought	thought
## 2344	thousand	thousands
## 2345	thread	threaded
## 2346	threat	threat
## 2347	threaten	threatening
## 2348	three	three
## 2349	threshold	threshold
## 2350	throughout	throughout
## 2351	throw	throw
## 2352	thrown	thrown
## 2353	thursday	thursday
## 2354	thus	thus
## 2355	ticket	tickets
## 2356	tickethold	ticketholder
## 2357	tie	tied
## 2358	tight	tight
## 2359	till	till
## 2360	time	time
## 2361	timedepend	timedependent
## 2362	timelin	timeline
## 2363	timemcn	timemcnally
## 2364	timepressur	timepressured
## 2365	timer	timer
## 2366	tip	tip
## 2367	titl	title
## 2368	togeth	together
## 2369	toilet	toilet
## 2370	toiletri	toilettries
## 2371	told	told
## 2372	tom	tom
## 2373	tombradi	tombrady
## 2374	tommak	tommake
## 2375	tomorrow	tomorrow
## 2376	tone	tone
## 2377	toni	tony
## 2378	tonight	tonight
## 2379	took	took
## 2380	tool	tools
## 2381	top	top
## 2382	topic	topics
## 2383	total	total
## 2384	touch	touched
## 2385	touchdown	touchdown
## 2386	toward	towards
## 2387	towel	towel
## 2388	traceabl	traceable
## 2389	track	tracks
## 2390	tradit	traditional

## 2391	train	trained
## 2392	transcrib	transcribed
## 2393	transcript	transcription
## 2394	transfer	transfer
## 2395	transient	transient
## 2396	transit	transitions
## 2397	transpir	transpired
## 2398	transport	transport
## 2399	travel	travels
## 2400	treat	treated
## 2401	treatment	treatments
## 2402	trend	trend
## 2403	tri	trying
## 2404	trial	trial
## 2405	trip	trip
## 2406	troubl	trouble
## 2407	troy	troy
## 2408	truck	truck
## 2409	true	true
## 2410	trunk	trunk
## 2411	truth	truth
## 2412	tube	tubing
## 2413	tuesday	tuesday
## 2414	tunnel	tunnel
## 2415	turn	turned
## 2416	tweet	tweets
## 2417	twelv	twelve
## 2418	twenti	twenty
## 2419	twentyf	twentyfive
## 2420	twentythre	twentythree
## 2421	twentyyear	twentyyear
## 2422	twice	twice
## 2423	twitter	twitter
## 2424	two	two
## 2425	twominut	twomminute
## 2426	type	type
## 2427	typic	typically
## 2428	typicallyand	typicallyand
## 2429	ugg	uggs
## 2430	ughtom	ughtom
## 2431	ultim	ultimately
## 2432	umpir	umpire
## 2433	unabl	unable
## 2434	unaccompani	unaccompanied
## 2435	unanim	unanimously
## 2436	unavail	unavailable
## 2437	unawar	unaware
## 2438	uncertain	uncertain
## 2439	uncertaini	uncertainty
## 2440	unchang	unchanged
## 2441	unconstrain	unconstrained
## 2442	under	underlying
## 2443	underestim	underestimate
## 2444	undergo	undergoing

## 2445	underinfl	underinflated
## 2446	understand	understand
## 2447	understood	understood
## 2448	undertaken	undertaken
## 2449	undertook	undertook
## 2450	undesir	undesirable
## 2451	undu	undue
## 2452	unexamin	unexamined
## 2453	unexpected	unexpected
## 2454	unfair	unfairness
## 2455	unhappi	unhappiness
## 2456	unidentifi	unidentified
## 2457	uniform	uniformly
## 2458	unilater	unilaterally
## 2459	union	unions
## 2460	unit	united
## 2461	univers	university
## 2462	unknown	unknown
## 2463	unless	unless
## 2464	unlik	unlikely
## 2465	unpreced	unprecedented
## 2466	unpressur	unpressurized
## 2467	unrealist	unrealistic
## 2468	unsatisfactori	unsatisfactory
## 2469	unsolicit	unsolicited
## 2470	unspecifi	unspecified
## 2471	unsuccess	unsuccessful
## 2472	unsurpris	unsurprisingly
## 2473	unusu	unusual
## 2474	unwilling	unwillingness
## 2475	upcom	upcoming
## 2476	updat	updated
## 2477	upon	upon
## 2478	upper	upper
## 2479	upset	upset
## 2480	upstair	upstairs
## 2481	urethan	urethane
## 2482	urin	urinals
## 2483	usa	usa
## 2484	usag	usage
## 2485	use	used
## 2486	user	user
## 2487	usthat	usthat
## 2488	usual	usual
## 2489	util	utilize
## 2490	vagu	vaguely
## 2491	valid	valid
## 2492	valu	values
## 2493	valuabl	valuable
## 2494	valv	valve
## 2495	vari	varying
## 2496	variabl	variability
## 2497	varianc	variance
## 2498	variancesof	variancesof

## 2499	variat	variation
## 2500	varieti	variety
## 2501	various	various
## 2502	vent	vent
## 2503	verifi	verified
## 2504	versa	versa
## 2505	version	version
## 2506	versus	versus
## 2507	vessel	vessel
## 2508	veteri	veteri
## 2509	via	via
## 2510	vice	vice
## 2511	victori	victory
## 2512	video	video
## 2513	videotap	videotape
## 2514	view	view
## 2515	viewer	viewers
## 2516	vigil	vigilant
## 2517	vigor	vigorous
## 2518	vii	vii
## 2519	viib	viib
## 2520	viic	viic
## 2521	viii	viii
## 2522	vincent	vincent
## 2523	vinovich	vinovich
## 2524	violat	violation
## 2525	visibl	visible
## 2526	visit	visiting
## 2527	visitor	visitor
## 2528	visual	visual
## 2529	volleybal	volleyball
## 2530	voltag	voltage
## 2531	volum	volume
## 2532	volunt	volunteered
## 2533	voluntarili	voluntarily
## 2534	vomit	vomit
## 2535	wait	wait
## 2536	walk	walked
## 2537	walkthrough	walkthrough
## 2538	wall	wall
## 2539	walt	walt
## 2540	want	wanted
## 2541	ward	ward
## 2542	warm	warm
## 2543	warmer	warmer
## 2544	warmup	warmups
## 2545	warn	warning
## 2546	watch	watched
## 2547	water	water
## 2548	waterlog	waterlogged
## 2549	watermelon	watermelons
## 2550	wave	waved
## 2551	way	way
## 2552	wayn	wayne

## 2553	wear	wearing
## 2554	weather	weather
## 2555	websit	website
## 2556	wed	wedding
## 2557	wednesday	wednesday
## 2558	weei	weei
## 2559	week	week
## 2560	weekend	weekend
## 2561	weigh	weighed
## 2562	weight	weight
## 2563	weiss	weiss
## 2564	welcom	welcome
## 2565	well	well
## 2566	wellknown	wellknown
## 2567	wellprepar	wellprepared
## 2568	wellrespect	wellrespected
## 2569	wellunderstood	wellunderstood
## 2570	went	went
## 2571	wet	wet
## 2572	wharton	wharton
## 2573	whatev	whatever
## 2574	whatsoev	whatsoever
## 2575	wherea	whereas
## 2576	whereabout	whereabouts
## 2577	wherebi	whereby
## 2578	whether	whether
## 2579	whole	whole
## 2580	wide	wide
## 2581	widereceiv	widereceiver
## 2582	widespread	widespread
## 2583	wilken	wilkening
## 2584	will	will
## 2585	wilson	wilson
## 2586	win	win
## 2587	wind	winds
## 2588	window	window
## 2589	wipe	wiping
## 2590	wire	wires
## 2591	wit	witnesses
## 2592	withdrawn	withdrawn
## 2593	within	within
## 2594	withingaug	withingauge
## 2595	without	without
## 2596	women	women
## 2597	won	won
## 2598	wont	wont
## 2599	word	words
## 2600	wore	wore
## 2601	work	work
## 2602	worn	worn
## 2603	worri	worried
## 2604	wouldnt	wouldnt
## 2605	write	writing
## 2606	written	written

## 2607	wrong	wrong
## 2608	wrongdo	wrongdoing
## 2609	wrote	wrote
## 2610	wthr	wthr
## 2611	wthrcom	wthrcom
## 2612	xii	xii
## 2613	xiii	xiii
## 2614	xiv	xiv
## 2615	xlix	xlix
## 2616	xxxx	xxxx
## 2617	yard	yard
## 2618	yaxi	yaxis
## 2619	year	years
## 2620	yellow	yellow
## 2621	yet	yet
## 2622	yett	yette
## 2623	yield	yields
## 2624	york	york
## 2625	yup	yup
## 2626	zach	zach
## 2627	zero	zero
## 2628	zipper	zippered
## 2629	zone	zone

```
endTime <- Sys.time()
```

The analysis was completed on Tue Sep 08 8:42:25 PM 2015 in 0 seconds.