

# Vulgar language on the web across World Englishes - Part 3: data cleaning

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## 1 Intro

This document shows an analysis that was performed with the aim of finding differences in swearing across geographically distinct varieties of English around the world based on the GloWbe corpus.

install packages

```
# install packages
install.packages("tidyverse")
install.packages("quanteda")
install.packages("here")
```

```
install.packages("udpipe")
install.packages("future")
install.packages("furrr")
install.packages("stringi")
install.packages("parallel")
install.packages("usethis")
install.packages("data.table")
install.packages("ggrepel")
install.packages("writexl")
# devtools::install_github("jimjam-slam/ggflags")
install.packages("ggflags")
```

load packages and set options

```
# load packages
library(data.table)
library(tidyverse)
library(quantda)
library(here)
library(stringi)
library(parallel)
library(usethis)
library(data.table)
library(ggflags)
library(ggrepel)
library(writexl)
```

## 2 data cleaning

## 3 loading data

kwics

```
kwics <- base::readRDS(file = here::here("test", "kwic_results_clean.rda"))
# inspect
head(kwics)
```

```
##      docname                pre keyword                post
##      <char>                <char> <char>                <char>
## 1: text19  get within a monkey s    fart      of being a musician working
## 2: text20   10 59 am cleaning ur    butt      with water is much more
## 3: text20      do the same to you    butt smearing is not cleaning washing
## 4: text20 shelly do you wash your    butt      with your hands do you
## 5: text20   hands do you dry your    butt      after you ve washed it
## 6: text20 the water on your dirty    butt      the other two options are
##      corpus      lemma
##      <char>      <char>
## 1: Australia    fart
## 2: Australia butt(hole)
## 3: Australia butt(hole)
## 4: Australia butt(hole)
## 5: Australia butt(hole)
## 6: Australia butt(hole)
```

differentiate between feck and fuck

```
kwics <- kwics %>%  
  dplyr::mutate(lemma = dplyr::case_when(lemma == "fuck" & stringr::str_detect(keyword, "fe[c]*k") ~ "f  
T ~ lemma))
```

## 4 lemmas retained

number of lemmas

```
length(names(table(kwics$lemma)))
```

```
## [1] 65
```

lemmas

```
names(table(kwics$lemma))
```

```
## [1] "arse(hole)" "ass(hole)" "bitch" "bloody" "bollocks"  
## [6] "boner" "bullshit" "butt(hole)" "cock" "crap"  
## [11] "cum" "cunt" "damn" "darkie" "dick"  
## [16] "dike" "dildo" "dork" "eff" "fag(got)"  
## [21] "fanny" "fart" "feck" "frig" "fuck"  
## [26] "gook" "hoe" "idiot" "jackass" "jap"  
## [31] "jerk" "jiss" "kike" "knob" "lesbo"  
## [36] "moron" "nigger" "nonce" "nympho" "online"  
## [41] "pecker" "pedo" "pikey" "pimp" "piss"  
## [46] "poofert" "prick" "puke" "pussy" "queef"  
## [51] "retard" "shag" "shit" "skank" "slag"  
## [56] "slut" "sod" "spastic" "tits" "tosser"  
## [61] "tranny" "turd" "twat" "wank" "whore"
```

number of forms of lemma fuck

```
kwics %>%  
  dplyr::filter(lemma == "fuck") %>%  
  dplyr::group_by(keyword) %>%  
  dplyr::summarise(freq = n(),  
                    n = 1) %>%  
  dplyr::mutate(n = sum(n))
```

```
## # A tibble: 221 x 3  
##   keyword      freq    n  
##   <chr>      <int> <dbl>  
## 1 clusterfck      3    221  
## 2 clusterfuck    270    221  
## 3 clusterfucked   2    221  
## 4 clusterfuckers  1    221  
## 5 clusterfucking  2    221  
## 6 clusterfuk      1    221  
## 7 f             4043   221  
## 8 f$             133    221  
## 9 f$$             1    221  
## 10 f$$$           1    221  
## # i 211 more rows
```

forms of lemma fuck

```

set.seed(20250220)
kwics %>%
  dplyr::filter(lemma == "fuck") %>%
  dplyr::group_by(keyword) %>%
  dplyr::summarise(freq = n(),
                  n = 1) %>%
  dplyr::mutate(n = sum(n)) %>% sample_n(20) %>%
  dplyr::pull(keyword)

```

```

## [1] "fuckface"          "fkucker"           "mumfocker"
## [4] "fuaked"            "clusterfucked"     "fcuker"
## [7] "fucka"             "focking"           "faka"
## [10] "fucker"            "gammy=u"           "motherfckr"
## [13] "fcukers"           "facked"            "fkcing"
## [16] "muthafucka"        "clusterfucking"    "fuuuuuuuuuuuuuuuck"
## [19] "faaak"             "fuc$ing"

```

all forms

```

set.seed(20250220)
kwics %>%
  dplyr::group_by(keyword) %>%
  dplyr::summarise(freq = n(),
                  n = 1) %>%
  dplyr::mutate(n = sum(n)) %>%
  dplyr::pull(keyword)

```

```

## [1] "4rseholes"          "5h1"
## [3] "5h1t"              "8itch"
## [5] "8ollox"            "a$$h0l3s"
## [7] "a$$h0le"           "a$$hol"
## [9] "a$$hol3s"          "a$$hole"
## [11] "a$$hole$"          "a$$holee"
## [13] "a$$holes"          "a$$sholes"
## [15] "a$51"              "a$5hole"
## [17] "a$shole"           "a55hole"
## [19] "a55holes"          "ar$ehle"
## [21] "ar$ehole"          "ar$ehole$"
## [23] "ar$eholes"         "ar53h0l3"
## [25] "ar5ehole"          "ars3hol3"
## [27] "ars3hol3s"         "arseh0les"
## [29] "arsehole"          "arseholes"
## [31] "arseless"          "arseole"
## [33] "arseoles"          "as$1"
## [35] "as$hole"           "as$holes"
## [37] "as51"              "assh0le"
## [39] "assh0les"          "asshol"
## [41] "asshole"           "assholes"
## [43] "asshols"           "asshoooools"
## [45] "asshooooooooooooole" "assless"
## [47] "assole"            "assoles"
## [49] "assshole"          "asssholes"
## [51] "asssshole"         "asssshholes"
## [53] "assssholes"        "aszhole"
## [55] "azzh0les"          "azzhole"

```

## [57]	"azzholes"	"azzole"
## [59]	"azzoles"	"azzzzhols"
## [61]	"beavis+butthead"	"bl00dy"
## [63]	"bl0ody"	"bloodi"
## [65]	"bloodied"	"bloody"
## [67]	"blooody"	"bloooody"
## [69]	"bloooooooooooooody"	"boner"
## [71]	"boners"	"bu77"
## [73]	"bu7t"	"bulcrap"
## [75]	"bull\$h1t"	"bullcrap"
## [77]	"bulldyke"	"bulldykes"
## [79]	"bullsh1t"	"but7"
## [81]	"butt"	"buttface"
## [83]	"buttfaces"	"butth"
## [85]	"butthead"	"buttheads"
## [87]	"butthole"	"buttholes"
## [89]	"buttl"	"butts"
## [91]	"buttwhipes"	"buttz"
## [93]	"buullcrap"	"c0ck"
## [95]	"c0cksuckers"	"camwhore"
## [97]	"camwhored"	"camwhores"
## [99]	"camwhoring"	"clusterfck"
## [101]	"clusterfeck"	"clusterfuck"
## [103]	"clusterfucked"	"clusterfuckers"
## [105]	"clusterfucking"	"clusterfuk"
## [107]	"cock"	"cocka"
## [109]	"cockas"	"cocker"
## [111]	"cockers"	"cocksucka"
## [113]	"cocksuckaz"	"cocksucker"
## [115]	"cocksuckers"	"cocksuker"
## [117]	"crap"	"crapped"
## [119]	"crappin"	"crapping"
## [121]	"craps"	"cumming"
## [123]	"cunt"	"cunts"
## [125]	"cuntz"	"cuunt"
## [127]	"d1ck"	"d1cked"
## [129]	"d1ckhead"	"d1ckheads"
## [131]	"d1cks"	"damn"
## [133]	"darkies"	"dgaf"
## [135]	"dildo"	"dildos"
## [137]	"dipsh1t"	"dipsh1ts"
## [139]	"dork"	"dorks"
## [141]	"dumbasshole"	"dyke"
## [143]	"dykes"	"eff"
## [145]	"effed"	"effin"
## [147]	"effing"	"errortime=idiot"
## [149]	"f"	"f\$"
## [151]	"f\$\$"	"f\$\$\$\$"
## [153]	"f\$\$\$\$\$\$\$"	"f\$\$c"
## [155]	"f\$\$cked"	"f\$\$k"
## [157]	"f\$ck"	"f\$cked"
## [159]	"f\$ckin"	"f\$cking"
## [161]	"f\$ers"	"f\$k"
## [163]	"f\$kers"	"f\$king"

## [165]	"f00k"	"f00king"
## [167]	"f0ck"	"f0cking"
## [169]	"f0k"	"f33k"
## [171]	"f3ck"	"f3k"
## [173]	"f4ck"	"faaaaaaaaack"
## [175]	"faaaaaaak"	"faaaaack"
## [177]	"faaaack"	"faaaak"
## [179]	"faaak"	"faaake"
## [181]	"faaaking"	"faak"
## [183]	"faaker"	"fack"
## [185]	"facka"	"facked"
## [187]	"fackered"	"fackers"
## [189]	"facking"	"fag"
## [191]	"fagg\$"	"faggggot"
## [193]	"faggio"	"faggit"
## [195]	"faggits"	"faggot"
## [197]	"faggots"	"faggott"
## [199]	"faggotz"	"fagit"
## [201]	"fagits"	"fags"
## [203]	"faka"	"fakwit"
## [205]	"fannies"	"fart"
## [207]	"farted"	"fartin"
## [209]	"farting"	"farts"
## [211]	"fartz"	"fcck"
## [213]	"fccu"	"fccuk"
## [215]	"fced"	"fcing"
## [217]	"fck"	"fcked"
## [219]	"fcker"	"fckers"
## [221]	"fckface"	"fcking"
## [223]	"fckking"	"fckr"
## [225]	"fcku"	"fckued"
## [227]	"fckuing"	"fcucking"
## [229]	"fcuk"	"fcuked"
## [231]	"fcuker"	"fcukers"
## [233]	"fcuking"	"fcuuking"
## [235]	"feck"	"fecked"
## [237]	"fecker"	"feckers"
## [239]	"feckhead"	"fecking"
## [241]	"feckwit"	"fek"
## [243]	"feked"	"feking"
## [245]	"fekwit"	"fk"
## [247]	"fkcing"	"fkuc"
## [249]	"fkuced"	"fkucker"
## [251]	"fkuers"	"focked"
## [253]	"focking"	"fooked"
## [255]	"fooker"	"fookers"
## [257]	"fooking"	"foook"
## [259]	"fooked"	"foook"
## [261]	"frigged"	"frigggin"
## [263]	"frigging"	"friggin"
## [265]	"frigging"	"friggs"
## [267]	"fu\$"	"fu\$\$\$d"
## [269]	"fu\$k"	"fu\$ken"
## [271]	"fu\$king"	"fu4k"

## [273]	"fu4king"	"fuaked"
## [275]	"fuc"	"fuc\$"
## [277]	"fuc\$ing"	"fucccccking"
## [279]	"fuccck"	"fuccckkk"
## [281]	"fucced"	"fucck"
## [283]	"fucked"	"fucking"
## [285]	"fucckkkkk"	"fucckkkkkkkkkkk"
## [287]	"fucing"	"fuck"
## [289]	"fucka"	"fuckaaaaaaaaa"
## [291]	"fuckcking"	"fucke"
## [293]	"fucked"	"fuckee"
## [295]	"fuckeeer"	"fuckeing"
## [297]	"fucker"	"fukered"
## [299]	"fuckering"	"fuckers"
## [301]	"fuckface"	"fuckhead"
## [303]	"fuckheaded"	"fucking"
## [305]	"fuckingers"	"fuckk"
## [307]	"fuckker"	"fuckking"
## [309]	"fuckkkkkkkked"	"fuckkkkkkkkkkkkkkkkkkk"
## [311]	"fucku"	"fuckwit"
## [313]	"fucuk"	"fuecked"
## [315]	"fuk"	"fukc"
## [317]	"fukced"	"fukcer"
## [319]	"fukcers"	"fukcing"
## [321]	"fuked"	"fuker"
## [323]	"fukers"	"fuking"
## [325]	"fukk"	"fukka"
## [327]	"fukked"	"fukker"
## [329]	"fukkers"	"fukking"
## [331]	"fukkk"	"fukkkk"
## [333]	"fukkkkkkkkkking"	"fukr"
## [335]	"fukwit"	"fuucccking"
## [337]	"fuucking"	"fuuk"
## [339]	"fuuka"	"fuuu"
## [341]	"fuuuuccckkk"	"fuuuucking"
## [343]	"fuuuuck"	"fuuuucked"
## [345]	"fuuuuu"	"fuuuuccckkkk"
## [347]	"fuuuuuck"	"fuuuuucked"
## [349]	"fuuuuuu"	"fuuuuuuccckkkkk"
## [351]	"fuuuuuuccckkkk"	"fuuuuuck"
## [353]	"fuuuuuuu"	"fuuuuuuccck"
## [355]	"fuuuuuuuck"	"fuuuuuuu"
## [357]	"fuuuuuuuuccccccckkkkk"	"fuuuuuuuck"
## [359]	"fuuuuuuuuu"	"fuuuuuuuuckkkkkk"
## [361]	"fuuuuuuuuuu"	"fuuuuuuuuuuccccccck"
## [363]	"fuuuuuuuuuuuck"	"fuuuuuuuuuuuck"
## [365]	"fuuuuuuuuuuuuuck"	"fuuuuuuuuuuuuuck"
## [367]	"fuuuuuuuuuuuuuuuuuu"	"fuuuuuuuuuuuuuuuuccccck"
## [369]	"fuuuuuuuuuuuuuuuuuck"	"fuuuuuuuuuuuuuuuuuu"
## [371]	"fuuuuuuuuuuuuuuuuuck"	"fuuuuuuuuuuuuuuuuuuuu"
## [373]	"fuuuuuuuuuuuuuuuuuuuck"	"gammy=u"
## [375]	"goddamn"	"gooks"
## [377]	"gtfo"	"h0e"
## [379]	"headfuck"	"headfuckers"

## [381]	"hijabi=slut"	"hoe"
## [383]	"hoes"	"idiot"
## [385]	"idiot=nullity"	"idiots"
## [387]	"idiotz"	"jackass"
## [389]	"jackasshole"	"jackazz"
## [391]	"jap"	"japs"
## [393]	"jerk"	"jerked"
## [395]	"jerkin"	"jerking"
## [397]	"jerks"	"jiss"
## [399]	"jizz"	"jizzz"
## [401]	"kikes"	"knob"
## [403]	"ktfo"	"kyke"
## [405]	"lesbo"	"lmao"
## [407]	"lmfao"	"madafaka"
## [409]	"manwhore"	"manwhores"
## [411]	"manwhoring"	"moron"
## [413]	"moronic"	"moronics"
## [415]	"morons"	"mothafaka"
## [417]	"mothafccckers"	"mothafucka"
## [419]	"mothafucker"	"mothafucking"
## [421]	"mothafuka"	"motherfcker"
## [423]	"motherfckr"	"motherfecking"
## [425]	"motherfockers"	"motherfuck"
## [427]	"motherfucka"	"motherfucker"
## [429]	"motherfuckers"	"motherfucking"
## [431]	"motherfuker"	"motherfukers"
## [433]	"mumbai=damn"	"mumfocker"
## [435]	"muthafuck"	"muthafucka"
## [437]	"muthafuckaz"	"muthafucker"
## [439]	"muthafuckers"	"muthafucking"
## [441]	"nigger"	"nigga"
## [443]	"niggar"	"niggarz"
## [445]	"niggas"	"niggaz"
## [447]	"niggers"	"nonce"
## [449]	"nympho"	"nymphoes"
## [451]	"nymphomania"	"nymphomaniac"
## [453]	"nymphomaniacs"	"nymphomanic"
## [455]	"nymphomation"	"nymphomax"
## [457]	"nymphoniac"	"nymphos"
## [459]	"omfg"	"p1ss"
## [461]	"plissing"	"pecker"
## [463]	"peckers"	"pedo"
## [465]	"pedofile"	"pedofiles"
## [467]	"pedohile"	"pedophiies"
## [469]	"pedophile"	"pedophiles"
## [471]	"pedophiles="	"pedophille"
## [473]	"pedophilles"	"pedophilis"
## [475]	"pedophle"	"pedophlie"
## [477]	"pedopihile"	"pedos"
## [479]	"pi\$\$e\$"	"pi\$\$ed"
## [481]	"pi\$\$er"	"pi\$\$es"
## [483]	"pi\$\$in"	"pi\$\$ing"
## [485]	"pi\$\$up"	"pi\$\$y"
## [487]	"pi\$s"	"pi55"



## [489]	"pi55ing"	"pikeys"
## [491]	"pimp"	"pimp\$lap"
## [493]	"pimped"	"pimpin"
## [495]	"pimping"	"pimpingz"
## [497]	"pimps"	"pimpz"
## [499]	"pis\$ed"	"pis\$es"
## [501]	"pis\$y"	"piss"
## [503]	"pissers"	"pissin"
## [505]	"pissing"	"piss\$"
## [507]	"pi\$ssing"	"pi\$ss\$"
## [509]	"pooftas"	"poofter"
## [511]	"poofeters"	"prick"
## [513]	"pricks"	"pu\$y\$y"
## [515]	"pu55y"	"puke"
## [517]	"puked"	"pukes"
## [519]	"puking"	"pus\$y"
## [521]	"pussay"	"pussy"
## [523]	"pussys"	"puzsy"
## [525]	"puzzy"	"queef"
## [527]	"queefed"	"queefing"
## [529]	"queefs"	"retard"
## [531]	"retards"	"retardz"
## [533]	"rofl"	"rofl="
## [535]	"sh17"	"sh1t"
## [537]	"sh1te"	"sh1ts"
## [539]	"sh1tter"	"sh1tting"
## [541]	"sh1tz"	"shag"
## [543]	"shagged"	"shaggin"
## [545]	"shagging"	"skank"
## [547]	"skanks"	"skanky"
## [549]	"slag"	"slags"
## [551]	"slu7"	"slut"
## [553]	"sluts"	"slutz"
## [555]	"sod"	"sodding"
## [557]	"sods"	"spast"
## [559]	"spastic"	"spastics"
## [561]	"stfu"	"tities"
## [563]	"tittays"	"titties"
## [565]	"tosser"	"tossers"
## [567]	"trannies"	"tranny"
## [569]	"turd"	"turds"
## [571]	"tw4t"	"tw4ts"
## [573]	"twat"	"twats"
## [575]	"w4nka"	"wank"
## [577]	"wanked"	"wanker"
## [579]	"wankered"	"wankering"
## [581]	"wankers"	"wanking"
## [583]	"wh0r\$e"	"wh0re"
## [585]	"wh0re\$"	"wh0res"
## [587]	"wh0ring"	"whor"
## [589]	"whor3"	"whore"
## [591]	"whored"	"whoree"
## [593]	"whoreing"	"whores"
## [595]	"whoring"	"whring"

```
## [597] "wtf"
```

## 5 Checking kwic

```
kwics %>% filter(corpus == "India", lemma == "cum")
```

```
##           docname                                pre keyword
##           <char>                                <char> <char>
## 1: text11566      the bahamas for four summers cumming
## 2: text11566 sherrill of 1095 mockingbird lane cumming
## 3: text30632                                           cumming
## 4: text44240      content video he cant stop cumming
## 5: text55838      to where these clips were cumming
## 6: text55838      a champ and she is cumming
## 7: text79222      had learned tricks about not cumming
## 8: text79222      we could start again without cumming
## 9: text79222      were animals finally he started cumming
## 10: text84586      the husband s property but cumming
## 11: text84586      the abundant authority to which cumming
## 12: text93572      better device in 1775 in cumming
## 13: text100639     was very very close to cumming
## 14: text100639     much you enjoy it by cumming
## 15: text108187     helps and i felt like cumming
##           post corpus lemma
##           <char> <char> <char>
## 1:          ga prhwy com october 13  India  cum
## 2:    georgia became a member of  India  cum
## 3:          ca sbwire 09 18 2012  India  cum
## 4: as her skilled mouth extracts  India  cum
## 5:          from could you tell me  India  cum
## 6:          for real i love her    India  cum
## 7:          during oral so this came India  cum
## 8:          soon and we wanted to  India  cum
## 9:          inside me i could feel  India  cum
## 10: bruce lj relying on abundant  India  cum
## 11: bruce lj referred was perhaps  India  cum
## 12: s design water was perennially India  cum
## 13:  his tongue started to flick   India  cum
## 14:          on his cock arkady sped India  cum
## 15:          early for some reason do India  cum
```

```
kwicstb <- kwics %>%
  dplyr::mutate(vulgar = 1) %>%
  dplyr::group_by(corpus, docname) %>%
  dplyr::summarise(VulgarTokens = n(),
                   VulgarTypes = length(names(table(keyword))))
```

```
## `summarise()` has grouped output by 'corpus'. You can override using the
## `.groups` argument.
```

```
# inspect
head(kwicstb)
```

```
## # A tibble: 6 x 4
## # Groups:   corpus [1]
```

```
## corpus docname VulgarTokens VulgarTypes
## <chr> <chr> <int> <int>
## 1 Australia text10002 5 4
## 2 Australia text1001 1 1
## 3 Australia text10019 1 1
## 4 Australia text10029 1 1
## 5 Australia text10073 1 1
## 6 Australia text10082 3 1

glowbetb <- base::readRDS(file = here::here("test", "glowbe_table.rda")) %>%
  dplyr::ungroup() %>%
  dplyr::mutate(id = 1:nrow(),
               type = stringr::str_replace_all(file, ".*_([bg])\\d+", "\\1")) %>%
  dplyr::mutate(type = ifelse(type == "g", "General Web", "Blog")) %>%
  dplyr::group_by(corpus) %>%
  dplyr::mutate(docname = paste0("text", 1:length(id)))
# inspect
head(glowbetb)
```

```
## # A tibble: 6 x 7
## # Groups: corpus [1]
## corpus file subfile type tokens id docname
## <chr> <chr> <chr> <chr> <int> <int> <chr>
## 1 Australia w_au_g01 ##1000 General Web 1029 1 text1
## 2 Australia w_au_g01 ##100100 General Web 5728 2 text2
## 3 Australia w_au_g01 ##100101 General Web 857 3 text3
## 4 Australia w_au_g01 ##100303 General Web 655 4 text4
## 5 Australia w_au_g01 ##1004 General Web 2522 5 text5
## 6 Australia w_au_g01 ##100400 General Web 1071 6 text6
```

```
glowbetb %>% group_by(corpus, type) %>% summarise(freq = n())
```

```
## `summarise()` has grouped output by 'corpus'. You can override using the
## `.groups` argument.
```

```
## # A tibble: 39 x 3
## # Groups: corpus [22]
## corpus type freq
## <chr> <chr> <int>
## 1 Australia General Web 81677
## 2 Bangladesh Blog 14212
## 3 Bangladesh General Web 30807
## 4 Canada Blog 54053
## 5 Canada General Web 81642
## 6 GB-Blog Blog 149407
## 7 GB-General General Web 232418
## 8 Ghana Blog 15162
## 9 Ghana General Web 32189
## 10 Hong Kong Blog 16040
## # i 29 more rows
```

```
test
```

```
Testtb <- glowbetb %>%
  dplyr::group_by(corpus, type) %>%
  dplyr::summarise(Tokens = sum(tokens))
```

```
## `summarise()` has grouped output by 'corpus'. You can override using the
## `.groups` argument.
```

```
# inspect
```

```
Testtb
```

```
## # A tibble: 39 x 3
## # Groups:   corpus [22]
##   corpus      type      Tokens
##   <chr>      <chr>      <int>
## 1 Australia General Web 100345338
## 2 Bangladesh Blog      10301460
## 3 Bangladesh General Web 27493315
## 4 Canada      Blog      42020545
## 5 Canada      General Web 87354912
## 6 GB-Blog      Blog      125820554
## 7 GB-General  General Web 244590686
## 8 Ghana       Blog      10591895
## 9 Ghana       General Web 26467958
## 10 Hong Kong  Blog      11982993
## # i 29 more rows
```

## 6 combine kwics and glowbe\_table

```
res <- dplyr::left_join(glowbetb, kwicstb) %>%
  dplyr::mutate(VulgarTokens = ifelse(is.na(VulgarTokens), 0, VulgarTokens),
               VulgarTypes = ifelse(is.na(VulgarTypes), 0, VulgarTypes)) %>%
  dplyr::mutate(corpus = dplyr::case_when(corpus == "GB-Blog" ~ "Great Britain",
                                          corpus == "GB-General" ~ "Great Britain",
                                          corpus == "US-Blog" ~ "United States",
                                          corpus == "US-General" ~ "United States",
                                          T ~ corpus))
```

```
## Joining with `by = join_by(corpus, docname)`
```

```
# inspect
```

```
head(res, 100); table(res$VulgarTokens)
```

```
## # A tibble: 100 x 9
## # Groups:   corpus [1]
##   corpus      file      subfile type  tokens    id docname VulgarTokens VulgarTypes
##   <chr>      <chr>      <chr>  <chr>  <int>  <int> <chr>      <dbl>      <dbl>
## 1 Australia w_au_g~ ##1000  Gene~   1029    1 text1         0         0
## 2 Australia w_au_g~ ##1001~ Gene~   5728    2 text2         0         0
## 3 Australia w_au_g~ ##1001~ Gene~    857    3 text3         0         0
## 4 Australia w_au_g~ ##1003~ Gene~    655    4 text4         0         0
## 5 Australia w_au_g~ ##1004  Gene~   2522    5 text5         0         0
## 6 Australia w_au_g~ ##1004~ Gene~   1071    6 text6         0         0
## 7 Australia w_au_g~ ##1004~ Gene~    665    7 text7         0         0
## 8 Australia w_au_g~ ##1007~ Gene~   5196    8 text8         0         0
## 9 Australia w_au_g~ ##1008~ Gene~    567    9 text9         0         0
## 10 Australia w_au_g~ ##1009~ Gene~   1759   10 text10        0         0
## # i 90 more rows
##
```

```
##      0      1      2      3      4      5      6      7      8      9
## 1597772 83971 25233 11376 6234 3826 2495 1829 1364 1078
##      10     11     12     13     14     15     16     17     18     19
##      804     689     482     417     378     319     245     226     179     174
##      20     21     22     23     24     25     26     27     28     29
##     144     118     111     101     84     94     71     75     68     67
##      30     31     32     33     34     35     36     37     38     39
##      59     33     41     30     31     38     28     30     22     27
##      40     41     42     43     44     45     46     47     48     49
##      27     24     20     30     16     21     12     14     9      4
##      50     51     52     53     54     55     56     57     58     59
##      8      10     13     12     7      7     12     10     7      6
##      60     61     62     63     64     65     66     67     68     69
##      3      6      3      4      5     10     9      8      6      4
##      70     71     72     73     74     75     76     77     78     79
##      7      5      1      5      4      4      4      5      3      7
##      80     81     82     83     84     85     86     87     88     90
##      3      4      4      1      3      3      3      2      4      4
##      91     92     93     94     95     97     98     99    100    101
##      3      1      1      3      3      4      1      1      5      2
##     102    104    105    106    107    109    110    111    112    115
##      1      4      3      1      1      1      2      1      1      2
##     117    118    119    120    121    122    123    125    129    130
##      2      2      4      1      4      2      1      1      2      1
##     131    132    134    135    137    138    140    141    142    147
##      1      2      1      1      1      2      2      1      2      1
##     152    153    155    157    162    163    164    167    168    170
##      1      1      1      2      1      1      1      1      1      2
##     172    177    187    198    208    217    219    242    245    249
##      1      1      1      1      1      1      1      1      1      1
##     258    285    294    300    310    329    399    563    640    883
##      1      1      1      1      1      1      1      1      1      1
```

```
res %>%
  group_by(corpus) %>%
  summarise(freq = n(),
            vul = sum(VulgarTokens))
```

```
## # A tibble: 20 x 3
##   corpus      freq    vul
##   <chr>      <int> <dbl>
## 1 Australia  81677 22409
## 2 Bangladesh 45019  2825
## 3 Canada    135695 22557
## 4 Ghana      47351  3127
## 5 Great Britain 381825 94389
## 6 Hong Kong   43937  3588
## 7 India       113772 9649
## 8 Ireland     102145 18454
## 9 Jamaica     46744  6461
## 10 Kenya    45959  4186
## 11 Malaysia   45025  7546
## 12 New Zealand 82677 15608
## 13 Nigeria    37285  6456
## 14 Pakistan   42769  5045
```

```
## 15 Philippines      46340    6135
## 16 Singapore        45456    8515
## 17 South Africa     42307    5442
## 18 Sri Lanka        38391    5209
## 19 Tanzania         41353    2594
## 20 United States    275146   134935
```

## 7 Table 1

```
# Assuming 'res' is your initial data frame
Table1 <- res %>%
  ungroup() %>%
  dplyr::rename(VulgarTexts = VulgarTypes) %>%
  group_by(corpus, type) %>%
  summarise(
    Texts = n(),
    VulgarTexts = sum(ifelse(VulgarTexts > 0, 1, 0), na.rm = TRUE),
    VulgarTokens = sum(VulgarTokens, na.rm = TRUE),
    Tokens = sum(tokens, na.rm = TRUE),
    Percent = round(sum(VulgarTokens, na.rm = TRUE) / sum(tokens, na.rm = TRUE) * 100, 3)
  ) %>%
  rename(
    Region = corpus,
    `Discourse Type` = type
  )
```

```
## `summarise()` has grouped output by 'corpus'. You can override using the
## `.groups` argument.
```

```
# Calculate totals
totals <- Table1 %>%
  dplyr::ungroup() %>%
  summarise(
    Region = "Total",
    `Discourse Type` = "",
    Texts = sum(Texts, na.rm = TRUE),
    VulgarTexts = sum(VulgarTexts, na.rm = TRUE),
    VulgarTokens = sum(VulgarTokens, na.rm = TRUE),
    Tokens = sum(Tokens, na.rm = TRUE),
    Percent = round(sum(VulgarTokens, na.rm = TRUE) / sum(Tokens, na.rm = TRUE) * 100, 3)
  )
```

```
# Bind the totals row to the original summary
Table1 <- bind_rows(Table1, totals)
```

```
# save
writexl::write_xlsx(Table1, here::here("tables", "Table1.xlsx"))
# inspect
Table1
```

```
## # A tibble: 40 x 7
## # Groups:   Region [21]
##   Region      `Discourse Type` Texts VulgarTexts VulgarTokens Tokens Percent
##   <chr>         <chr>      <int>      <dbl>      <dbl>  <int>  <dbl>
```

```
## 1 Australia      General Web      81677      7694      22409 1.00e8  0.022
## 2 Bangladesh     Blog           14212       551        939 1.03e7  0.009
## 3 Bangladesh     General Web    30807      1166       1886 2.75e7  0.007
## 4 Canada         Blog          54053      4620       9178 4.20e7  0.022
## 5 Canada         General Web    81642      5957      13379 8.74e7  0.015
## 6 Ghana          Blog          15162       560       1040 1.06e7  0.01
## 7 Ghana          General Web    32189      1232       2087 2.65e7  0.008
## 8 Great Britain  Blog         149407     14844      34705 1.26e8  0.028
## 9 Great Britain  General Web  232418     23322      59684 2.45e8  0.024
## 10 Hong Kong     Blog         16040       740       1593 1.20e7  0.013
## # i 30 more rows
```

## 8 Figure 1

```
res %>%
  ungroup() %>%
  dplyr::rename(VulgarTexts = VulgarTypes) %>%
  dplyr::group_by(corpus) %>%
  dplyr::summarise(Texts = n(),
    VulgarTexts = sum(ifelse(VulgarTexts > 0, 1, 0), na.rm = TRUE),,
    VulgarTokens = sum(VulgarTokens),
    Tokens = sum(tokens)) %>%
  dplyr::mutate(Percent = round(VulgarTokens/Tokens *100, 3)) %>%
  dplyr::mutate(Kachru = dplyr::case_when(corpus == "Australia" ~ "Inner circle",
    corpus == "Canada" ~ "Inner circle",
    corpus == "Great Britain" ~ "Inner circle",
    corpus == "Ireland" ~ "Inner circle",
    corpus == "New Zealand" ~ "Inner circle",
    corpus == "United States" ~ "Inner circle",
    T ~ "outer circle")) %>%
  dplyr::mutate(country = dplyr::case_when(corpus == "Australia" ~ "au",
    corpus == "Bangladesh" ~ "bd",
    corpus == "Canada" ~ "ca",
    corpus == "Great Britain" ~ "gb",
    corpus == "Ghana" ~ "gh",
    corpus == "Hong Kong" ~ "hk",
    corpus == "Ireland" ~ "ie",
    corpus == "India" ~ "in",
    corpus == "Jamaica" ~ "jm",
    corpus == "Kenya" ~ "ke",
    corpus == "Malaysia" ~ "my",
    corpus == "New Zealand" ~ "nz",
    corpus == "Nigeria" ~ "ng",
    corpus == "Pakistan" ~ "pk",
    corpus == "Philippines" ~ "ph",
    corpus == "Singapore" ~ "sg",
    corpus == "South Africa" ~ "za",
    corpus == "Sri Lanka" ~ "lk",
    corpus == "Tanzania" ~ "tz",
    corpus == "United States" ~ "us",
    T ~ NA)) -> Figure1dat

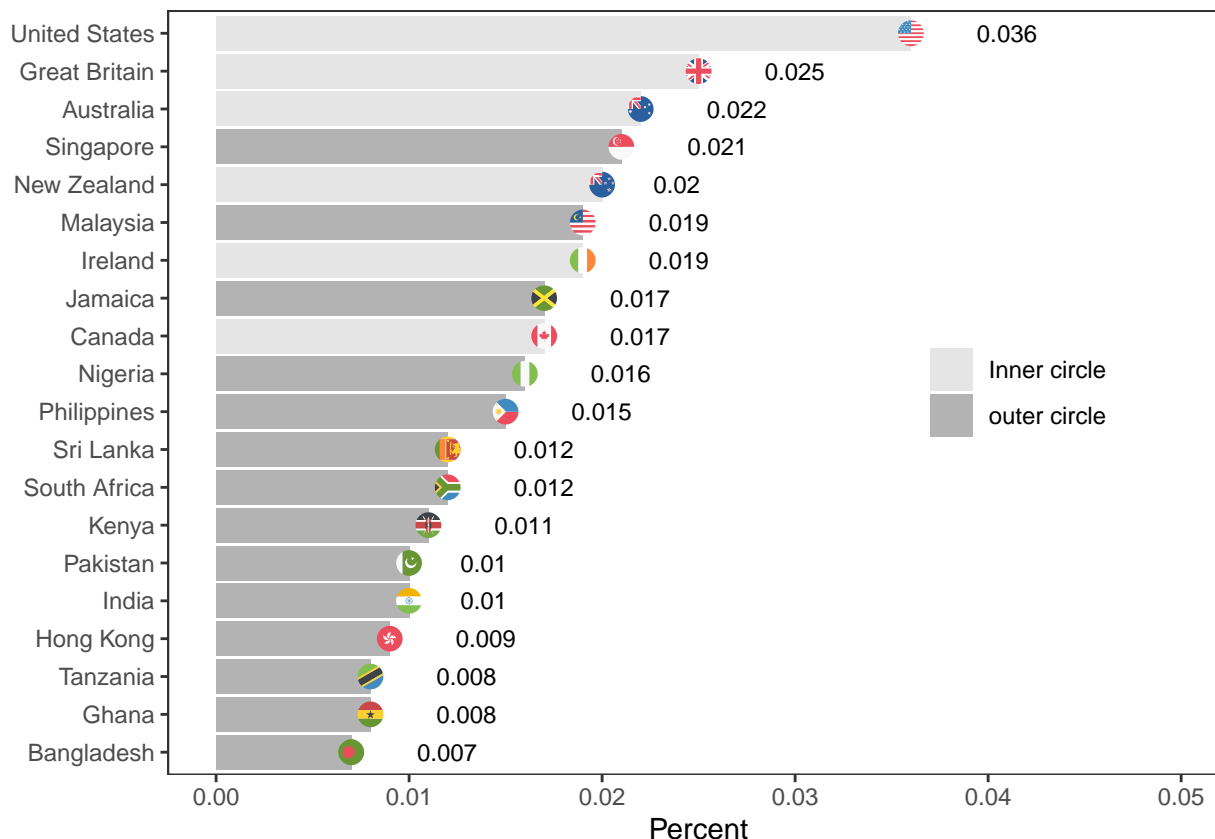
# inspect
head(Figure1dat)
```

```
## # A tibble: 6 x 8
##   corpus      Texts VulgarTexts VulgarTokens   Tokens Percent Kachru country
##   <chr>      <int>      <dbl>      <dbl>      <int>  <dbl> <chr>  <chr>
## 1 Australia    81677        7694        22409 100345338  0.022 Inner~ au
## 2 Bangladesh   45019        1717         2825  37794775  0.007 outer~ bd
## 3 Canada      135695       10577       22557 129375457  0.017 Inner~ ca
## 4 Ghana         47351        1792         3127  37059853  0.008 outer~ gh
## 5 Great Britain 381825       38166       94389 370411240  0.025 Inner~ gb
## 6 Hong Kong     43937        1805         3588  38764295  0.009 outer~ hk
```

```
Figure1dat %>%
  ggplot(aes(x = reorder(corpus, Percent),
               y = Percent,
               country = country,
               label = Percent,
               fill = Kachru)) +
  geom_bar(stat = "identity") +
  ggflags::geom_flag(size = 4) +
  geom_text(hjust = -1.1, color = "black", size = 3)+
  coord_flip(ylim = c(0, 0.05)) +
  scale_fill_manual(values = c("gray90", "gray70")) +
  theme_bw() +
  labs(xlab = "", ylab = "Percent") +
  theme(legend.position = c(0.8, 0.5),
        legend.title = element_blank(),
        panel.grid.major = element_blank(),
        panel.grid.minor = element_blank(),
        axis.title.y=element_blank())
```

```
## Warning: A numeric `legend.position` argument in `theme()` was deprecated in ggplot2
## 3.5.0.
## i Please use the `legend.position.inside` argument of `theme()` instead.
## This warning is displayed once every 8 hours.
## Call `lifecycle::last_lifecycle_warnings()` to see where this warning was
## generated.
```





```
ggsave(here::here("images", "Fig1.png"), width = 14, height = 10, units = "cm", dpi = 600)
```

## 9 Figure 2

```
res %>%
  ungroup() %>%
  dplyr::rename(VulgarTexts = VulgarTypes) %>%
  dplyr::group_by(corpus, type) %>%
  dplyr::summarise(Texts = n(),
    VulgarTexts = sum(ifelse(VulgarTexts > 0, 1, 0), na.rm = TRUE),,
    VulgarTokens = sum(VulgarTokens),
    Tokens = sum(tokens)) %>%
  dplyr::mutate(Percent = round(VulgarTokens/Tokens *100, 3)) %>%
  dplyr::mutate(Kachru = dplyr::case_when(corpus == "Australia" ~ "Inner circle",
    corpus == "Canada" ~ "Inner circle",
    corpus == "Great Britain" ~ "Inner circle",
    corpus == "Ireland" ~ "Inner circle",
    corpus == "New Zealand" ~ "Inner circle",
    corpus == "United States" ~ "Inner circle",
    T ~ "outer circle")) %>%
  dplyr::mutate(country = dplyr::case_when(corpus == "Australia" ~ "au",
    corpus == "Bangladesh" ~ "bd",
    corpus == "Canada" ~ "ca",
    corpus == "Great Britain" ~ "gb",
    corpus == "Ghana" ~ "gh",
```

```

corpus == "Hong Kong" ~ "hk",
corpus == "Ireland" ~ "ie",
corpus == "India" ~ "in",
corpus == "Jamaica" ~ "jm",
corpus == "Kenya" ~ "ke",
corpus == "Malaysia" ~ "my",
corpus == "New Zealand" ~ "nz",
corpus == "Nigeria" ~ "ng",
corpus == "Pakistan" ~ "pk",
corpus == "Philippines" ~ "ph",
corpus == "Singapore" ~ "sg",
corpus == "South Africa" ~ "za",
corpus == "Sri Lanka" ~ "lk",
corpus == "Tanzania" ~ "tz",
corpus == "United States" ~ "us",
T ~ NA)) -> Figure2dat

```

```

## `summarise()` has grouped output by 'corpus'. You can override using the
## `.groups` argument.

```

```

# inspect
head(Figure2dat)

```

```

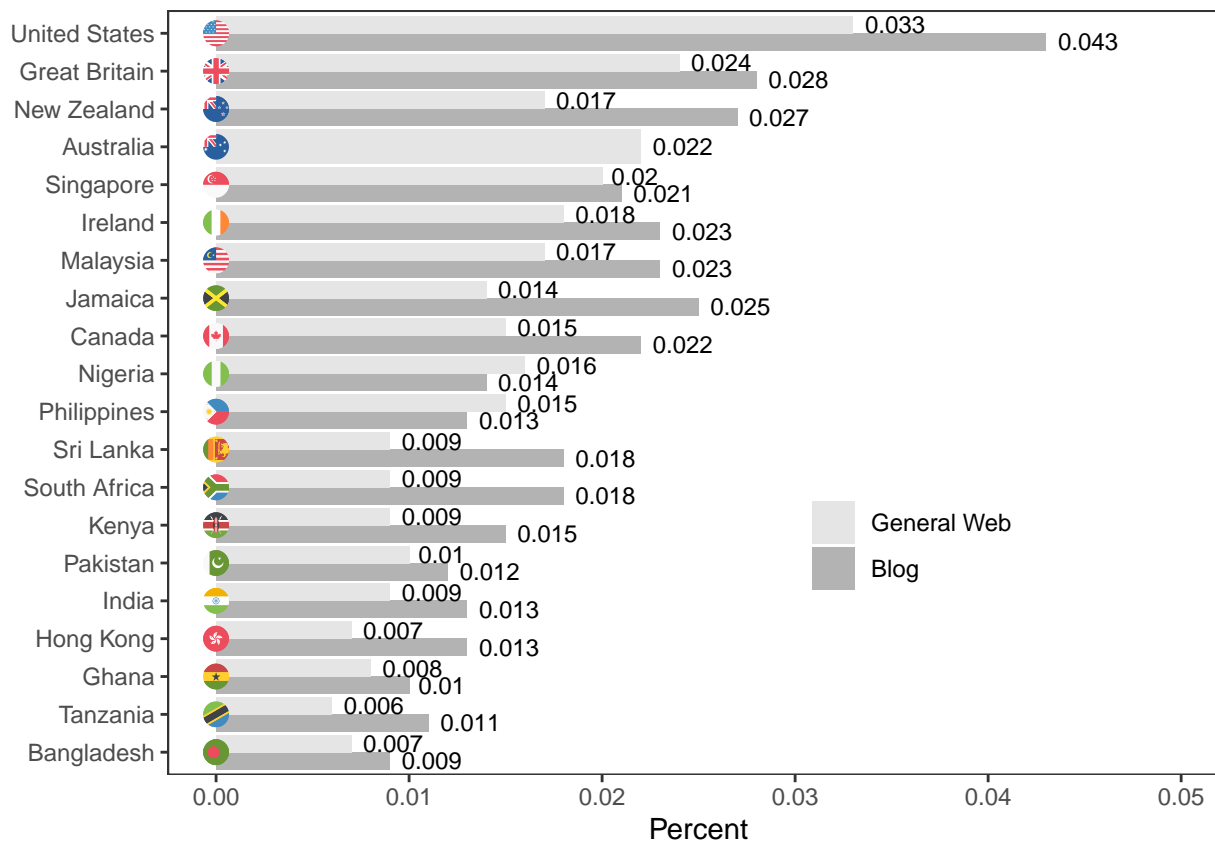
## # A tibble: 6 x 9
## # Groups:   corpus [4]
##   corpus      type  Texts  VulgarTexts  VulgarTokens  Tokens  Percent  Kachru  country
##   <chr>      <chr> <int>      <dbl>         <dbl>    <int>    <dbl> <chr>  <chr>
## 1 Australia  Gener~ 81677      7694         22409  1.00e8    0.022 Inner~ au
## 2 Bangladesh Blog   14212      551          939  1.03e7    0.009 outer~ bd
## 3 Bangladesh Gener~ 30807      1166         1886  2.75e7    0.007 outer~ bd
## 4 Canada     Blog   54053      4620         9178  4.20e7    0.022 Inner~ ca
## 5 Canada     Gener~ 81642      5957        13379  8.74e7    0.015 Inner~ ca
## 6 Ghana      Blog   15162      560         1040  1.06e7    0.01  outer~ gh

```

```

Figure2dat %>%
  ggplot(aes(x = reorder(corpus, Percent),
    y = Percent,
    country = country,
    label = Percent,
    fill = type)) +
  geom_bar(stat = "identity", position = position_dodge()) +
  ggflags::geom_flag(aes(y = 0), size = 4) +
  geom_text(color = "black", hjust = -0.2, size = 3, position = position_dodge(width = .9)) +
  coord_flip(ylim = c(0, 0.05)) +
  scale_fill_manual(breaks = c("General Web", "Blog"), values = c("gray90", "gray70")) +
  theme_bw() +
  labs(xlab = "", ylab = "Percent") +
  theme(legend.position = c(0.7, 0.3),
    legend.title = element_blank(),
    panel.grid.major = element_blank(),
    panel.grid.minor = element_blank(),
    axis.title.y=element_blank())

```



```
ggsave(here::here("images", "Fig2.png"), width = 14, height = 14, units = "cm", dpi = 600)
```

## 10 Figure 3

```
Table1 %>%
  dplyr::mutate(PercentVulgar = round((VulgarTexts/Texts) *100, 1)) %>%
  dplyr::filter(Region != "Total") %>%
  dplyr::mutate(Kachru = dplyr::case_when(Region == "Australia" ~ "Inner circle",
    Region == "Canada" ~ "Inner circle",
    Region == "Great Britain" ~ "Inner circle",
    Region == "Ireland" ~ "Inner circle",
    Region == "New Zealand" ~ "Inner circle",
    Region == "United States" ~ "Inner circle",
    T ~ "outer circle")) %>%

  dplyr::mutate(country = dplyr::case_when(Region == "Australia" ~ "au",
    Region == "Bangladesh" ~ "bd",
    Region == "Canada" ~ "ca",
    Region == "Great Britain" ~ "gb",
    Region == "Ghana" ~ "gh",
    Region == "Hong Kong" ~ "hk",
    Region == "Ireland" ~ "ie",
    Region == "India" ~ "in",
    Region == "Jamaica" ~ "jm",
    Region == "Kenya" ~ "ke",
    Region == "Malaysia" ~ "my",
```

```

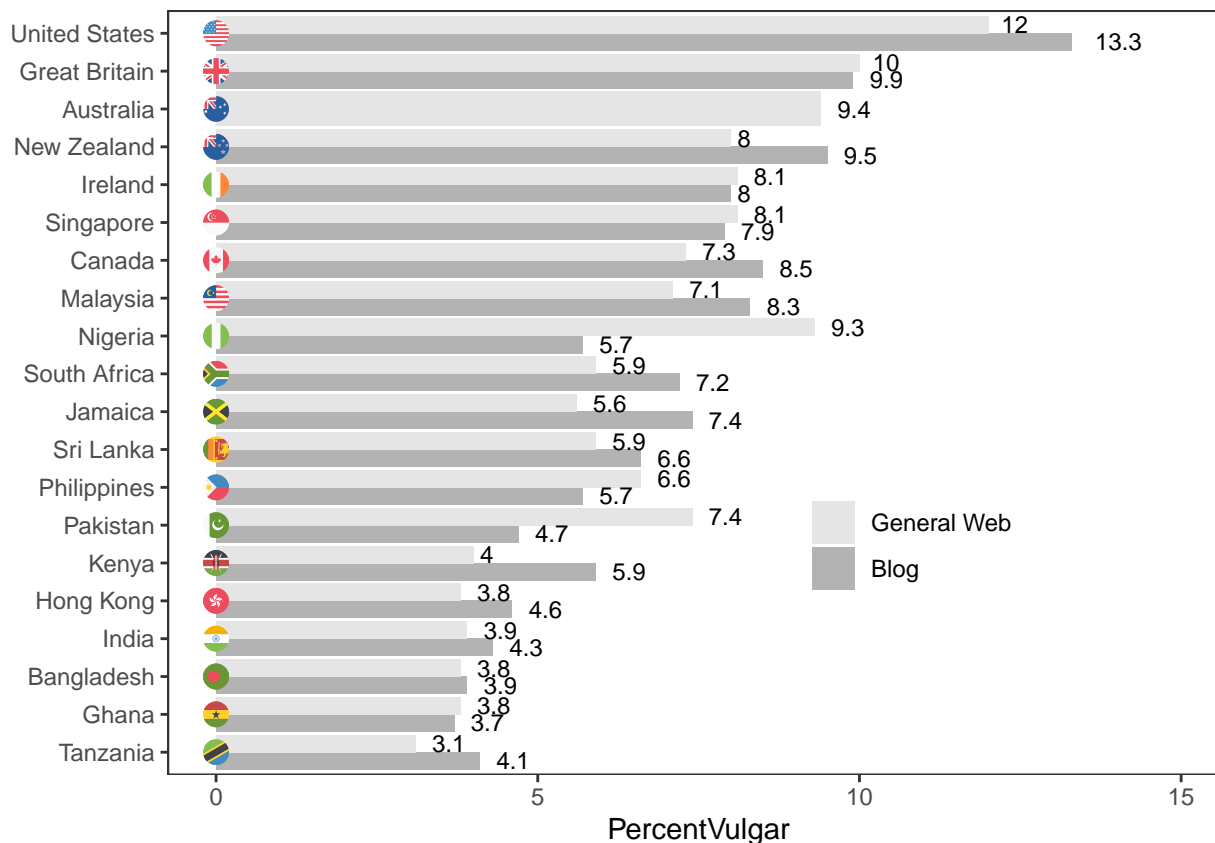
Region == "New Zealand" ~ "nz",
Region == "Nigeria" ~ "ng",
Region == "Pakistan" ~ "pk",
Region == "Philippines" ~ "ph",
Region == "Singapore" ~ "sg",
Region == "South Africa" ~ "za",
Region == "Sri Lanka" ~ "lk",
Region == "Tanzania" ~ "tz",
Region == "United States" ~ "us",
T ~ NA)) -> Fig3dat

# inspect
Fig3dat

## # A tibble: 39 x 10
## # Groups:   Region [20]
##   Region      `Discourse Type` Texts VulgarTexts VulgarTokens Tokens Percent
##   <chr>         <chr>         <int>      <dbl>      <dbl>  <int>  <dbl>
## 1 Australia   General Web      81677        7694      22409 1.00e8 0.022
## 2 Bangladesh Blog          14212         551        939 1.03e7 0.009
## 3 Bangladesh General Web    30807        1166      1886 2.75e7 0.007
## 4 Canada      Blog          54053        4620      9178 4.20e7 0.022
## 5 Canada      General Web    81642        5957     13379 8.74e7 0.015
## 6 Ghana       Blog          15162         560      1040 1.06e7 0.01
## 7 Ghana       General Web    32189        1232      2087 2.65e7 0.008
## 8 Great Britain Blog       149407       14844     34705 1.26e8 0.028
## 9 Great Britain General Web  232418       23322     59684 2.45e8 0.024
## 10 Hong Kong  Blog          16040         740      1593 1.20e7 0.013
## # i 29 more rows
## # i 3 more variables: PercentVulgar <dbl>, Kachru <chr>, country <chr>

Fig3dat %>%
  ggplot(aes(x = reorder(Region, PercentVulgar),
               y = PercentVulgar,
               country = country,
               label = PercentVulgar,
               fill = `Discourse Type`)) +
  geom_bar(stat = "identity", position = position_dodge()) +
  ggflags::geom_flag(aes(y = 0), size = 4) +
  geom_text(color = "black", hjust = -0.5, size = 3, position = position_dodge(width = .9)) +
  coord_flip(ylim = c(0, 15)) +
  scale_fill_manual(breaks = c("General Web", "Blog"), values = c("gray90", "gray70")) +
  theme_bw() +
  theme(legend.position = c(0.7, 0.3),
        legend.title = element_blank(),
        panel.grid.major = element_blank(),
        panel.grid.minor = element_blank(),
        axis.title.y = element_blank()) +
  labs(xlab = "", ylab = "Percent")

```



```
ggsave(here::here("images", "Fig3.png"), width = 14, height = 14, units = "cm", dpi = 600)
```

## 11 Figure 4 (CTTR)

```
#head(kwics)
kwics %>%
  dplyr::mutate(corpus = dplyr::case_when(corpus == "GB-Blog" ~ "Great Britain",
                                          corpus == "GB-General" ~ "Great Britain",
                                          corpus == "US-Blog" ~ "United States",
                                          corpus == "US-General" ~ "United States",
                                          T ~ corpus)) %>%

  dplyr::group_by(corpus) %>%
  dplyr::summarise(tokens = length(names(table(keyword))),
                  types = length(names(table(lemma)))) %>%
  dplyr::mutate(CTTR = round(types / (sqrt(2 * tokens)), 3)) %>%
  dplyr::mutate(country = dplyr::case_when(corpus == "Australia" ~ "au",
                                          corpus == "Bangladesh" ~ "bd",
                                          corpus == "Canada" ~ "ca",
                                          corpus == "Great Britain" ~ "gb",
                                          corpus == "Ghana" ~ "gh",
                                          corpus == "Hong Kong" ~ "hk",
                                          corpus == "Ireland" ~ "ie",
                                          corpus == "India" ~ "in",
                                          corpus == "Jamaica" ~ "jm",
                                          corpus == "Kenya" ~ "ke",
```

```

corpus == "Malaysia" ~ "my",
corpus == "New Zealand" ~ "nz",
corpus == "Nigeria" ~ "ng",
corpus == "Pakistan" ~ "pk",
corpus == "Philippines" ~ "ph",
corpus == "Singapore" ~ "sg",
corpus == "South Africa" ~ "za",
corpus == "Sri Lanka" ~ "lk",
corpus == "Tanzania" ~ "tz",
corpus == "United States" ~ "us",
T ~ NA)) -> Fig4dat

```

Fig4dat

```

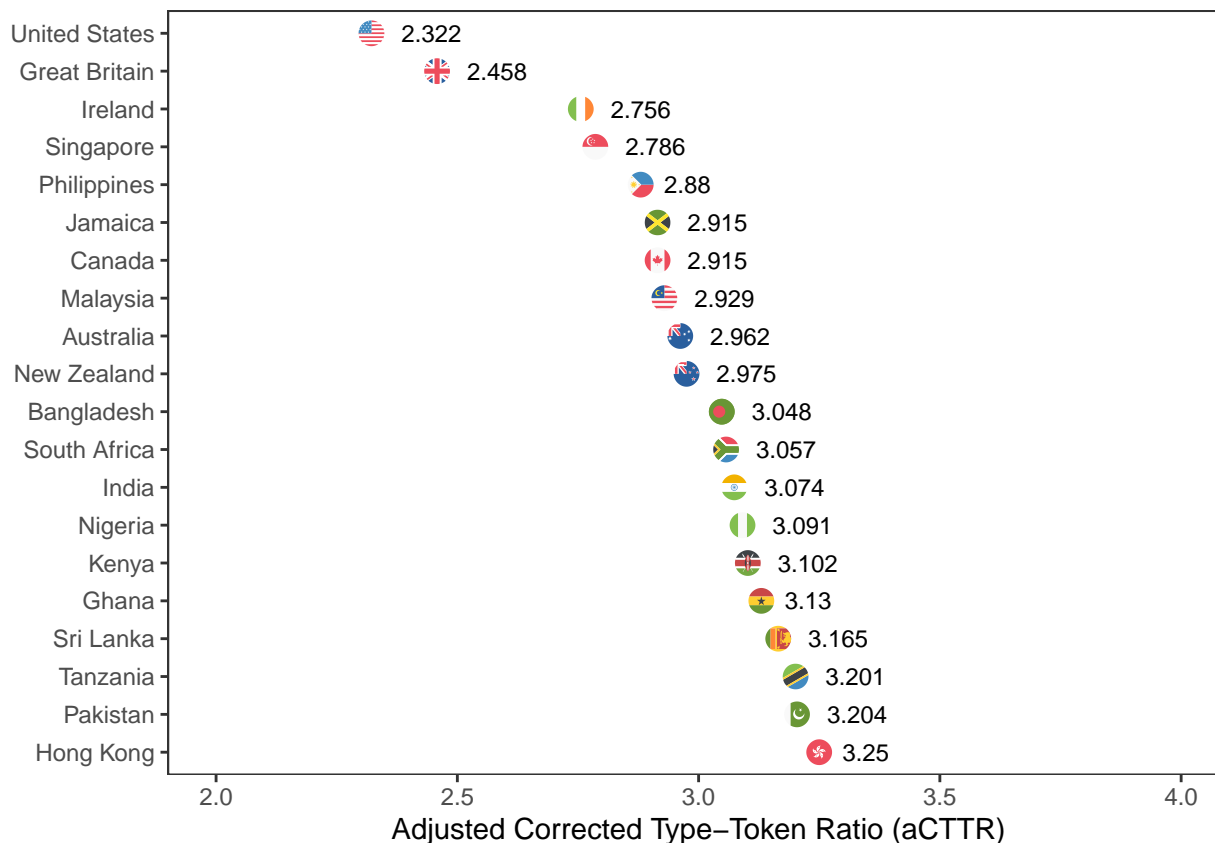
## # A tibble: 20 x 5
##   corpus      tokens types  CTTR country
##   <chr>      <int> <int> <dbl> <chr>
## 1 Australia      212    61  2.96 au
## 2 Bangladesh     124    48  3.05 bd
## 3 Canada         219    61  2.92 ca
## 4 Ghana          138    52  3.13 gh
## 5 Great Britain  339    64  2.46 gb
## 6 Hong Kong      138    54  3.25 hk
## 7 India          178    58  3.07 in
## 8 Ireland        245    61  2.76 ie
## 9 Jamaica        153    51  2.92 jm
## 10 Kenya        146    53  3.10 ke
## 11 Malaysia       170    54  2.93 my
## 12 New Zealand    190    58  2.98 nz
## 13 Nigeria        176    58  3.09 ng
## 14 Pakistan       142    54  3.20 pk
## 15 Philippines    163    52  2.88 ph
## 16 Singapore      181    53  2.79 sg
## 17 South Africa   156    54  3.06 za
## 18 Sri Lanka      151    55  3.16 lk
## 19 Tanzania       122    50  3.20 tz
## 20 United States  368    63  2.32 us

```

```

ggplot(Fig4dat, aes(x = CTTR, y = reorder(corpus, -CTTR), country = country, label = CTTR)) +
  geom_text(color = "black", hjust = -0.5, size = 3, position = position_dodge(width = .9)) +
  ggflags::geom_flag(size = 4) +
  theme_bw() +
  coord_cartesian(xlim = c(2, 4)) +
  theme(legend.position = c(0.7, 0.3),
        legend.title = element_blank(),
        panel.grid.major = element_blank(),
        panel.grid.minor = element_blank(),
        axis.title.y=element_blank()) +
  labs(x = "Adjusted Corrected Type-Token Ratio (aCTTR)")

```



```
ggsave(here::here("images", "Fig4.png"), width = 16, height = 12, units = "cm", dpi = 600)
```

## 12 Figure 5 (lemmas)

```
kwics %>%
  dplyr::mutate(corpus = dplyr::case_when(corpus == "GB-Blog" ~ "Great Britain",
    corpus == "GB-General" ~ "Great Britain",
    corpus == "US-Blog" ~ "United States",
    corpus == "US-General" ~ "United States",
    T ~ corpus)) %>%

  group_by(corpus, lemma) %>%
  dplyr::summarise(freq = n()) -> Fig5dat_1
```

```
## `summarise()` has grouped output by 'corpus'. You can override using the
## `.groups` argument.
```

```
# inspect
Fig5dat_1
```

```
## # A tibble: 1,114 x 3
## # Groups:   corpus [20]
##   corpus lemma      freq
##   <chr>   <chr>    <int>
## 1 Australia arse(hole)  165
## 2 Australia ass(hole)  162
## 3 Australia bloody   2804
```

```
## 4 Australia boner      27
## 5 Australia bullshit   5
## 6 Australia butt(hole) 906
## 7 Australia cock      339
## 8 Australia crap      3500
## 9 Australia cum        39
## 10 Australia cunt     113
## # i 1,104 more rows
```

```
res %>%
  dplyr::group_by(corpus) %>%
  dplyr::summarise(tokens = sum(tokens)) -> Fig5dat_2
# inspect
Fig5dat_2
```

```
## # A tibble: 20 x 2
##   corpus      tokens
##   <chr>      <int>
## 1 Australia  100345338
## 2 Bangladesh 37794775
## 3 Canada    129375457
## 4 Ghana     37059853
## 5 Great Britain 370411240
## 6 Hong Kong  38764295
## 7 India     92320648
## 8 Ireland   96552489
## 9 Jamaica   37857472
## 10 Kenya   39239962
## 11 Malaysia  39872004
## 12 New Zealand 77787824
## 13 Nigeria   40812333
## 14 Pakistan  49214441
## 15 Philippines 41458499
## 16 Singapore 41214500
## 17 South Africa 45338362
## 18 Sri Lanka  44491369
## 19 Tanzania  33602324
## 20 United States 372703448
```

```
dplyr::left_join(Fig5dat_2, Fig5dat_1) %>%
  dplyr::rowwise() %>%
  dplyr::mutate(rfreq = freq/tokens*1000000) %>%
  dplyr::mutate(lemma = ifelse(rfreq < 10, "other", lemma)) %>%
  dplyr::group_by(corpus, lemma) %>%
  dplyr::summarise(tokens = unique(tokens),
                    freq = sum(freq)) %>%
  dplyr::mutate(rfreq = freq/tokens*1000000) %>%
  dplyr::group_by(corpus) %>%
  dplyr::mutate(maxfreq = max(rfreq)) %>%
  dplyr::mutate(country = dplyr::case_when(corpus == "Australia" ~ "au",
                                           corpus == "Bangladesh" ~ "bd",
                                           corpus == "Canada" ~ "ca",
                                           corpus == "Great Britain" ~ "gb",
                                           corpus == "Ghana" ~ "gh",
                                           corpus == "Hong Kong" ~ "hk",
```



```

corpus == "Ireland" ~ "ie",
corpus == "India" ~ "in",
corpus == "Jamaica" ~ "jm",
corpus == "Kenya" ~ "ke",
corpus == "Malaysia" ~ "my",
corpus == "New Zealand" ~ "nz",
corpus == "Nigeria" ~ "ng",
corpus == "Pakistan" ~ "pk",
corpus == "Philippines" ~ "ph",
corpus == "Singapore" ~ "sg",
corpus == "South Africa" ~ "za",
corpus == "Sri Lanka" ~ "lk",
corpus == "Tanzania" ~ "tz",
corpus == "United States" ~ "us",
T ~ NA)) -> Fig5dat

```

```

## Joining with `by = join_by(corpus)`
## `summarise()` has grouped output by 'corpus'. You can override using the
## `.groups` argument.

```

```

# inspect
Fig5dat

```

```

## # A tibble: 114 x 7
## # Groups:   corpus [20]
##   corpus      lemma      tokens  freq rfreq maxfreq country
##   <chr>      <chr>      <int> <int> <dbl>   <dbl> <chr>
## 1 Australia bloody    100345338 2804 27.9   82.4 au
## 2 Australia crap      100345338 3500 34.9   82.4 au
## 3 Australia damn      100345338 2428 24.2   82.4 au
## 4 Australia fuck      100345338 3022 30.1   82.4 au
## 5 Australia idiot     100345338 2389 23.8   82.4 au
## 6 Australia other      100345338 8266 82.4   82.4 au
## 7 Bangladesh bloody    37794775 498 13.2   61.6 bd
## 8 Bangladesh other      37794775 2327 61.6   61.6 bd
## 9 Canada      bloody    129375457 1482 11.5   58.2 ca
## 10 Canada     butt(hole) 129375457 1691 13.1   58.2 ca
## # i 104 more rows

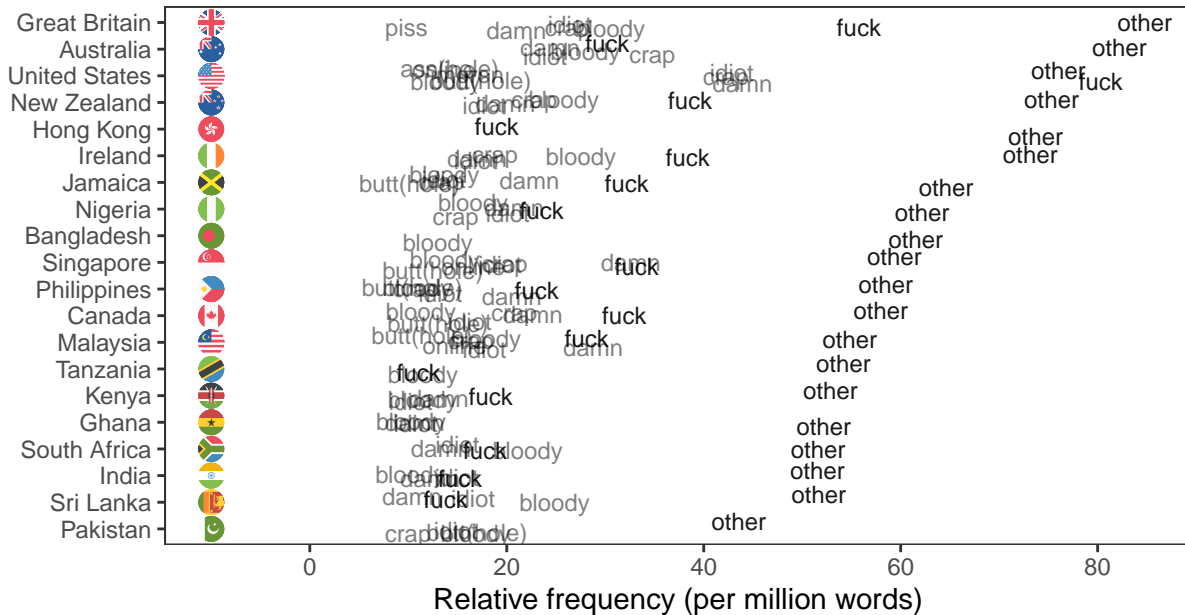
```

```

Fig5dat %>%
  ggplot(aes(x = reorder(corpus, maxfreq), y = rfreq, group = lemma, label = lemma, country = country,
  geom_text(size = 3, position=position_jitter(width=.3,height=.3)) +
  ggflags::geom_flag(aes(y = -10), size = 4) +
  coord_flip() +
  labs(x = "",
        y = "Relative frequency (per million words)",
        alpha = "Vulgar lemma") +
  #scale_alpha_manual(values = rep(.5, length(names(table(Fig5dat$lemma)))))) +
  scale_alpha_manual(values = c(0.5, 0.5, 0.5, 0.5, 0.5, 0.9, 0.5, 0.5, 0.5, 0.9, 0.5, 0.5)) +
  theme_bw() +
  theme(panel.grid.major = element_blank(),
        panel.grid.minor = element_blank(),
        legend.position = "top")

```

a ass(hole) a crap a idiot a other  
 Vulgar lemma a bloody a damn a moron a piss  
 a butt(hole) a fuck a online



```
ggsave(here::here("images", "Fig5.png"), width = 15, height = 20, units = "cm", dpi = 600)
```

### 13 Figure 6 (heatmap)

```
kwics %>%
  dplyr::mutate(corpus = dplyr::case_when(corpus == "GB-Blog" ~ "Great Britain",
    corpus == "GB-General" ~ "Great Britain",
    corpus == "US-Blog" ~ "United States",
    corpus == "US-General" ~ "United States",
    T ~ corpus)) %>%

  dplyr::group_by(corpus, lemma) %>%
  dplyr::summarise(freq = n(), .groups = "drop") %>%
  mutate(z_score = scale(freq)) -> cfadat
# inspect
head(cfadat)
```

```
## # A tibble: 6 x 4
##   corpus      lemma      freq z_score[,1]
##   <chr>      <chr>    <int>      <dbl>
## 1 Australia arse(hole)    165    -0.114
## 2 Australia ass(hole)    162    -0.116
## 3 Australia bloody     2804     1.55
## 4 Australia boner        27    -0.201
## 5 Australia bullshit      5    -0.215
## 6 Australia butt(hole)   906     0.354
```

## 13.1 CFA

```
library(cfa)
# define configurations
configs <- cfadat %>%
  dplyr::select(corpus, lemma)
# define counts
counts <- cfadat$freq
# perform cfa
cfa(configs, counts) -> cfa_res
# inspect
cfa_res
```

```
##
## *** Analysis of configuration frequencies (CFA) ***
##
##           label      n   expected      Q      chisq
## 1      Ireland feck   546 5.663661e+01 1.270822e-03 4.228299e+03
## 2    United States bloody 5205 1.203914e+04 1.831749e-02 3.879470e+03
## 3    United States ass(hole) 5395 2.938136e+03 6.428301e-03 2.054424e+03
## 4      Great Britain cunt 2074 8.173557e+02 3.269823e-03 1.932029e+03
## 5      Pakistan butt(hole)   842 2.396006e+02 1.565107e-03 1.514542e+03
## 6      Great Britain twat  1302 4.855117e+02 2.122692e-03 1.373094e+03
## 7      Great Britain bloody 11299 8.421582e+03 7.638255e-03 9.831328e+02
## 8      Philippines nigger   284 5.588090e+01 5.923985e-04 9.312362e+02
## 9      Sri Lanka bloody   1102 4.647528e+02 1.656615e-03 8.737632e+02
## 10     Great Britain ass(hole) 726 2.055276e+03 3.469990e-03 8.597261e+02
## 11      India nigger    357 8.789743e+01 6.988858e-04 8.238716e+02
## 12     Great Britain butt(hole) 2644 4.482834e+03 4.830773e-03 7.542800e+02
## 13     Great Britain damn  7755 1.035383e+04 6.934285e-03 6.523091e+02
## 14      Ireland bloody  2649 1.646487e+03 2.614208e-03 6.104106e+02
## 15      Singapore online   672 2.764098e+02 1.027890e-03 5.661580e+02
## 16      United States cock  1523 2.767860e+03 3.255685e-03 5.598828e+02
## 17      South Africa bloody 1001 4.855414e+02 1.340081e-03 5.472193e+02
## 18      Australia crap   3500 2.434406e+03 2.784421e-03 4.664342e+02
## 19      Great Britain shag   942 4.749731e+02 1.214135e-03 4.592136e+02
## 20      Pakistan fuck    328 9.922118e+02 1.729084e-03 4.446403e+02
## 21      United States fuck 29965 2.653818e+04 9.556256e-03 4.424993e+02
## 22      Malaysia online   574 2.449546e+02 8.549120e-04 4.420039e+02
## 23      Malaysia jap    142 2.895880e+01 2.935342e-04 4.412585e+02
## 24      Great Britain wank  1083 5.783986e+02 1.312171e-03 4.402198e+02
## 25      Australia fuck   3022 4.407230e+03 3.638393e-03 4.353896e+02
## 26      Great Britain slag   855 4.286522e+02 1.108248e-03 4.240558e+02
## 27      Tanzania nigger    122 2.362756e+01 2.554403e-04 4.095700e+02
## 28      United States moron 6151 4.758618e+03 3.660557e-03 4.074141e+02
## 29      Great Britain nigger 281 8.597553e+02 1.506103e-03 3.895965e+02
## 30      Great Britain tosser 460 1.911656e+02 6.983766e-04 3.780591e+02
## 31      Singapore jap    143 3.267746e+01 2.864774e-04 3.724604e+02
## 32      Ireland shit     94 1.624350e+01 2.019037e-04 3.722151e+02
## 33      Jamaica nigger    206 5.885029e+01 3.821334e-04 3.679343e+02
## 34      Canada butt(hole) 1691 1.071292e+03 1.613562e-03 3.584804e+02
## 35      United States cunt   537 1.168458e+03 1.644573e-03 3.412521e+02
## 36      Great Britain piss 3721 2.759893e+03 2.513532e-03 3.346967e+02
## 37      Australia bloody  2804 1.999356e+03 2.100165e-03 3.238300e+02
```

## 38	Great Britain online	2074	3.064042e+03	2.591266e-03	3.198989e+02
## 39	United States shag	217	6.790017e+02	1.201709e-03	3.143521e+02
## 40	Pakistan bloody	824	4.501206e+02	9.719159e-04	3.105519e+02
## 41	United States feck	60	4.141280e+02	9.204851e-04	3.028209e+02
## 42	Jamaica skank	72	1.231360e+01	1.549810e-04	2.893115e+02
## 43	United States slag	194	6.127833e+02	1.089106e-03	2.862014e+02
## 44	New Zealand bloody	2019	1.392563e+03	1.632449e-03	2.817990e+02
## 45	United States twat	277	6.940673e+02	1.084873e-03	2.506171e+02
## 46	Australia wank	322	1.373168e+02	4.797019e-04	2.483882e+02
## 47	Bangladesh bloody	498	2.520497e+02	6.390296e-04	2.399986e+02
## 48	Hong Kong jap	71	1.376944e+01	1.486048e-04	2.378701e+02
## 49	New Zealand puke	275	1.125414e+02	4.219479e-04	2.345162e+02
## 50	United States wank	390	8.268545e+02	1.136736e-03	2.308047e+02
## 51	Great Britain fuck	20626	1.856390e+04	5.625406e-03	2.290605e+02
## 52	Great Britain slut	557	1.034745e+03	1.243810e-03	2.205766e+02
## 53	New Zealand arse(hole)	155	5.000940e+01	2.726441e-04	2.204190e+02
## 54	Australia ass(hole)	162	4.879402e+02	8.473791e-04	2.177255e+02
## 55	New Zealand prick	352	1.644556e+02	4.871682e-04	2.138749e+02
## 56	Jamaica pussy	234	9.298949e+01	3.662230e-04	2.138302e+02
## 57	United States pussy	1304	1.942057e+03	1.665115e-03	2.096317e+02
## 58	Great Britain arse(hole)	554	3.024339e+02	6.537062e-04	2.092541e+02
## 59	Philippines cock	287	1.258435e+02	4.185804e-04	2.063785e+02
## 60	United States arse(hole)	142	4.323468e+02	7.547344e-04	1.949853e+02
## 61	Philippines jiss	24	2.405364e+00	5.607094e-05	1.938702e+02
## 62	United States nigger	1716	1.229070e+03	1.268364e-03	1.929106e+02
## 63	Nigeria online	407	2.095715e+02	5.129032e-04	1.859890e+02
## 64	United States jackass	748	4.621276e+02	7.431611e-04	1.768409e+02
## 65	Singapore damn	1340	9.340272e+02	1.056673e-03	1.764552e+02
## 66	United States tosser	55	2.732824e+02	5.671740e-04	1.743516e+02
## 67	Bangladesh cock	158	5.794751e+01	2.598259e-04	1.727512e+02
## 68	Ireland online	278	5.990448e+02	8.348932e-04	1.720568e+02
## 69	United States damn	16380	1.480140e+04	4.262676e-03	1.683617e+02
## 70	Australia poofter	36	5.527584e+00	7.912294e-05	1.679881e+02
## 71	Canada fart	505	2.861114e+02	5.687680e-04	1.674600e+02
## 72	Sri Lanka fuck	615	1.024466e+03	1.066017e-03	1.636584e+02
## 73	Tanzania slut	96	2.843659e+01	1.754417e-04	1.605261e+02
## 74	Ghana fuck	304	6.149943e+02	8.087901e-04	1.572656e+02
## 75	Great Britain cock	2487	1.936165e+03	1.437473e-03	1.567115e+02
## 76	Canada slut	444	2.472799e+02	5.111130e-04	1.564979e+02
## 77	Philippines jap	84	2.354389e+01	1.569842e-04	1.552394e+02
## 78	Great Britain pedo	487	8.475010e+02	9.381073e-04	1.533461e+02
## 79	United States online	5177	4.380227e+03	2.092626e-03	1.449349e+02
## 80	Sri Lanka pussy	179	7.497017e+01	2.701666e-04	1.443535e+02
## 81	Canada bloody	1482	2.012561e+03	1.384841e-03	1.398690e+02
## 82	Great Britain feck	489	2.896895e+02	5.179004e-04	1.371285e+02
## 83	Jamaica moron	52	2.278519e+02	4.568708e-04	1.357193e+02
## 84	Kenya shit	26	3.684582e+00	5.794266e-05	1.351518e+02
## 85	United States idiot	16001	1.460800e+04	3.759539e-03	1.328353e+02
## 86	Great Britain moron	2673	3.328733e+03	1.717459e-03	1.291741e+02
## 87	United States prick	994	1.421769e+03	1.114821e-03	1.287034e+02
## 88	Tanzania cock	135	5.320915e+01	2.123997e-04	1.257254e+02
## 89	Tanzania pecker	14	1.299920e+00	3.297594e-05	1.240785e+02
## 90	Jamaica fag(got)	143	5.819602e+01	2.202273e-04	1.235774e+02
## 91	Great Britain fag(got)	1174	8.501970e+02	8.426165e-04	1.233225e+02

## 92	Tanzania dildo	28	4.505940e+00	6.100317e-05	1.224985e+02
## 93	Australia arse(hole)	165	7.180041e+01	2.420384e-04	1.209765e+02
## 94	Nigeria lesbo	12	1.005782e+00	2.854662e-05	1.201779e+02
## 95	Australia pedo	356	2.012041e+02	4.021386e-04	1.190920e+02
## 96	United States boner	398	2.322901e+02	4.305265e-04	1.182133e+02
## 97	Malaysia damn	1140	8.277357e+02	8.125425e-04	1.178021e+02
## 98	Ireland sod	63	1.768097e+01	1.176765e-04	1.161596e+02
## 99	Canada nigger	52	2.054614e+02	3.986760e-04	1.146220e+02
## 100	Jamaica cum	41	8.958396e+00	8.319814e-05	1.146036e+02
## 101	Bangladesh fag(got)	79	2.544556e+01	1.390636e-04	1.127143e+02
## 102	India fuck	1437	1.897888e+03	1.202624e-03	1.119232e+02
## 103	Singapore puke	144	6.139737e+01	2.145124e-04	1.111317e+02
## 104	Jamaica jackass	71	2.212757e+01	1.269048e-04	1.079429e+02
## 105	Ireland nigger	34	1.680890e+02	3.483149e-04	1.069663e+02
## 106	New Zealand poofter	24	3.849995e+00	5.232013e-05	1.054606e+02
## 107	Tanzania bloody	387	2.314396e+02	4.041563e-04	1.045588e+02
## 108	Great Britain jap	169	3.622344e+02	5.022065e-04	1.030811e+02
## 109	Kenya pussy	139	6.024671e+01	2.045153e-04	1.029447e+02
## 110	United States fag(got)	866	1.215406e+03	9.101069e-04	1.004476e+02
## 111	United States piss	3316	3.945427e+03	1.651228e-03	1.004147e+02
## 112	Ireland bullshit	16	1.964553e+00	3.644330e-05	1.002741e+02
## 113	Bangladesh fuck	321	5.555993e+02	6.100184e-04	9.905850e+01
## 114	India idiot	1366	1.044697e+03	8.365355e-04	9.881907e+01
## 115	India butt(hole)	670	4.583044e+02	5.503237e-04	9.778441e+01
## 116	Great Britain puke	423	6.805987e+02	6.700406e-04	9.749813e+01
## 117	New Zealand wank	192	9.564197e+01	2.502563e-04	9.707944e+01
## 118	Great Britain retard	478	7.408894e+02	6.839095e-04	9.328093e+01
## 119	Malaysia fuck	1113	1.484089e+03	9.672628e-04	9.278908e+01
## 120	Ghana pimp	93	3.560301e+01	1.490454e-04	9.253189e+01
## 121	Singapore moron	135	3.002878e+02	4.295055e-04	9.097955e+01
## 122	Great Britain jackass	152	3.232660e+02	4.450667e-04	9.073657e+01
## 123	Australia nigger	69	2.041133e+02	3.510085e-04	8.943859e+01
## 124	New Zealand shag	162	7.853989e+01	2.167488e-04	8.868856e+01
## 125	Canada damn	2940	2.474322e+03	1.216954e-03	8.764263e+01
## 126	Ireland piss	757	5.395811e+02	5.653214e-04	8.760679e+01
## 127	Kenya cum	28	5.804031e+00	5.763283e-05	8.488256e+01
## 128	Kenya cock	171	8.586488e+01	2.211031e-04	8.441155e+01
## 129	United States crap	15770	1.465880e+04	2.999401e-03	8.423386e+01
## 130	Sri Lanka crap	348	5.658808e+02	5.665610e-04	8.389050e+01
## 131	Hong Kong tits	14	1.816671e+00	3.163423e-05	8.170631e+01
## 132	Pakistan slag	66	2.291080e+01	1.118880e-04	8.103948e+01
## 133	India crap	757	1.048330e+03	7.585038e-04	8.096020e+01
## 134	United States dike	541	7.914679e+02	6.516807e-04	7.926309e+01
## 135	Canada cunt	71	1.953289e+02	3.229844e-04	7.913663e+01
## 136	United States jerk	476	3.181288e+02	4.102524e-04	7.834351e+01
## 137	Jamaica cock	234	1.325306e+02	2.635566e-04	7.768806e+01
## 138	New Zealand ass(hole)	179	3.398532e+02	4.180252e-04	7.613215e+01
## 139	Ireland damn	1633	2.024256e+03	1.021265e-03	7.562337e+01
## 140	Ireland pimp	336	2.101113e+02	3.270492e-04	7.542654e+01
## 141	Ghana sod	18	2.996012e+00	3.895824e-05	7.513978e+01
## 142	Philippines crap	443	6.664769e+02	5.812650e-04	7.493424e+01
## 143	Nigeria fuck	964	1.269716e+03	7.964202e-04	7.360901e+01
## 144	Philippines butt(hole)	437	2.913676e+02	3.784216e-04	7.279049e+01
## 145	New Zealand nigger	41	1.421661e+02	2.627754e-04	7.199031e+01

## 146	Sri Lanka cock	194	1.068491e+02	2.263507e-04	7.108425e+01
## 147	Canada ass(hole)	677	4.911628e+02	4.831435e-04	7.031368e+01
## 148	Tanzania butt(hole)	216	1.231960e+02	2.410432e-04	6.990955e+01
## 149	South Africa fuck	797	1.070291e+03	7.115785e-04	6.978276e+01
## 150	United States fart	1367	1.711519e+03	8.985380e-04	6.934963e+01
## 151	Ireland idiot	1626	1.997806e+03	9.704307e-04	6.919581e+01
## 152	United States frig	868	6.551771e+02	5.535375e-04	6.913183e+01
## 153	Australia tosser	101	4.538437e+01	1.444233e-04	6.815337e+01
## 154	Canada pedo	320	2.025329e+02	3.051644e-04	6.812976e+01
## 155	United States sod	36	1.292836e+02	2.422927e-04	6.730808e+01
## 156	Ireland shag	171	9.286104e+01	2.029372e-04	6.575089e+01
## 157	Canada puke	266	1.626472e+02	2.684696e-04	6.567474e+01
## 158	Great Britain frig	286	4.583074e+02	4.479301e-04	6.478149e+01
## 159	Kenya whore	137	6.994184e+01	1.741485e-04	6.429338e+01
## 160	Canada twat	30	1.160259e+02	2.234341e-04	6.378282e+01
## 161	India cock	310	1.979446e+02	2.911021e-04	6.343397e+01
## 162	Ireland ass(hole)	244	4.018229e+02	4.102159e-04	6.198765e+01
## 163	Pakistan idiot	730	5.461652e+02	4.780060e-04	6.187733e+01
## 164	Australia skank	94	4.270786e+01	1.331951e-04	6.160186e+01
## 165	India retard	144	7.574513e+01	1.772590e-04	6.150530e+01
## 166	Ireland moron	452	6.507940e+02	5.170433e-04	6.072434e+01
## 167	Great Britain sod	164	9.043606e+01	1.910541e-04	5.983956e+01
## 168	Ireland butt(hole)	648	8.764300e+02	5.944726e-04	5.953729e+01
## 169	United States slut	1775	1.479229e+03	7.709328e-04	5.913937e+01
## 170	Sri Lanka idiot	746	5.639196e+02	4.734660e-04	5.879078e+01
## 171	Ireland arse(hole)	118	5.912824e+01	1.528843e-04	5.861640e+01
## 172	Australia pimp	133	2.551416e+02	3.173517e-04	5.847176e+01
## 173	Great Britain dike	733	5.536451e+02	4.663663e-04	5.810251e+01
## 174	Canada idiot	2068	2.441992e+03	9.772678e-04	5.727691e+01
## 175	Sri Lanka moron	286	1.836992e+02	2.657513e-04	5.697055e+01
## 176	Great Britain jerk	110	2.225364e+02	2.923704e-04	5.690954e+01
## 177	Sri Lanka online	71	1.690920e+02	2.548084e-04	5.690419e+01
## 178	Ghana butt(hole)	240	1.485096e+02	2.376469e-04	5.636328e+01
## 179	Singapore fuck	1369	1.674665e+03	7.971265e-04	5.579085e+01
## 180	Jamaica hoe	9	1.123994e+00	2.045015e-05	5.518847e+01
## 181	Bangladesh butt(hole)	220	1.341668e+02	2.229440e-04	5.491173e+01
## 182	United States cum	86	1.870934e+02	2.626170e-04	5.462442e+01
## 183	Canada cock	304	4.626981e+02	4.125561e-04	5.443092e+01
## 184	New Zealand piss	613	4.563662e+02	4.071830e-04	5.375977e+01
## 185	United States shit	41	1.187727e+02	2.019997e-04	5.092582e+01
## 186	Singapore piss	137	2.489722e+02	2.909245e-04	5.035814e+01
## 187	Jamaica idiot	512	6.994595e+02	4.876252e-04	5.024031e+01
## 188	New Zealand idiot	1400	1.689702e+03	7.555273e-04	4.966981e+01
## 189	Canada jap	21	8.656554e+01	1.702796e-04	4.965995e+01
## 190	Pakistan ass(hole)	36	1.098513e+02	1.918101e-04	4.964909e+01
## 191	Tanzania idiot	163	2.808231e+02	3.061515e-04	4.943425e+01
## 192	Malaysia whore	205	1.260824e+02	2.049770e-04	4.939610e+01
## 193	Pakistan lesbo	7	7.859623e-01	1.613482e-05	4.912992e+01
## 194	South Africa crap	421	5.911928e+02	4.425858e-04	4.899514e+01
## 195	Canada feck	11	6.922900e+01	1.512191e-04	4.897683e+01
## 196	Jamaica crap	517	7.018920e+02	4.809497e-04	4.870416e+01
## 197	Philippines damn	853	6.729603e+02	4.682924e-04	4.816674e+01
## 198	Nigeria nigger	112	5.880475e+01	1.381429e-04	4.812086e+01
## 199	Philippines fuck	966	1.206585e+03	6.266427e-04	4.797093e+01

## 200	New Zealand online	351	5.066593e+02	4.047027e-04	4.782270e+01
## 201	Pakistan retard	83	3.959940e+01	1.127015e-04	4.756669e+01
## 202	Tanzania moron	26	9.147933e+01	1.700578e-04	4.686898e+01
## 203	Tanzania crap	167	2.817997e+02	2.982963e-04	4.676716e+01
## 204	Pakistan piss	65	1.475120e+02	2.143250e-04	4.615375e+01
## 205	Jamaica online	308	2.097338e+02	2.552877e-04	4.604044e+01
## 206	India jap	78	3.703318e+01	1.063808e-04	4.531829e+01
## 207	Philippines hoe	8	1.067281e+00	1.800089e-05	4.503276e+01
## 208	Australia puke	77	1.615800e+02	2.197046e-04	4.427390e+01
## 209	Singapore bloody	577	7.597179e+02	4.753657e-04	4.394503e+01
## 210	Great Britain boner	78	1.624908e+02	2.194734e-04	4.393292e+01
## 211	Hong Kong idiot	259	3.884322e+02	3.364108e-04	4.312902e+01
## 212	United States pedo	1440	1.211552e+03	5.950382e-04	4.307570e+01
## 213	New Zealand moron	397	5.504277e+02	3.989460e-04	4.276683e+01
## 214	Canada dike	207	1.323082e+02	1.940043e-04	4.216564e+01
## 215	Singapore frig	83	4.134429e+01	1.081709e-04	4.196948e+01
## 216	Ireland slag	143	8.380493e+01	1.537338e-04	4.181205e+01
## 217	Ireland dick	9	1.389562e+00	1.976062e-05	4.168133e+01
## 218	Tanzania shit	12	2.283279e+00	2.522967e-05	4.135048e+01
## 219	Great Britain whore	1324	1.577117e+03	6.599211e-04	4.062351e+01
## 220	Great Britain pimp	866	1.074694e+03	5.433916e-04	4.052615e+01
## 221	Australia feck	16	6.877478e+01	1.370545e-04	4.049708e+01
## 222	Malaysia nigger	16	6.873306e+01	1.369461e-04	4.045761e+01
## 223	United States turd	769	6.117322e+02	4.089964e-04	4.043136e+01
## 224	India ass(hole)	118	2.101220e+02	2.393258e-04	4.038824e+01
## 225	Canada frig	176	1.095247e+02	1.726525e-04	4.034669e+01
## 226	Ghana bloody	385	2.789945e+02	2.754435e-04	4.027741e+01
## 227	India fag(got)	146	8.692023e+01	1.534356e-04	4.015658e+01
## 228	Great Britain pussy	1590	1.358502e+03	6.032148e-04	3.944901e+01
## 229	Nigeria retard	95	5.067467e+01	1.151061e-04	3.877154e+01
## 230	Hong Kong moron	58	1.265335e+02	1.780060e-04	3.711932e+01
## 231	New Zealand slut	92	1.711019e+02	2.054797e-04	3.656948e+01
## 232	Australia fart	386	2.842342e+02	2.644307e-04	3.643573e+01
## 233	Tanzania online	29	8.420517e+01	1.433719e-04	3.619268e+01
## 234	Canada wank	68	1.382237e+02	1.824018e-04	3.567674e+01
## 235	Malaysia crap	649	8.197612e+02	4.443282e-04	3.557059e+01
## 236	Sri Lanka retard	79	4.088667e+01	9.897198e-05	3.552810e+01
## 237	Nigeria ass(hole)	70	1.405749e+02	1.833149e-04	3.543173e+01
## 238	Great Britain pikey	24	7.597609e+00	4.258974e-05	3.541093e+01
## 239	Philippines online	283	1.991514e+02	2.178260e-04	3.530274e+01
## 240	New Zealand whore	165	2.607865e+02	2.488787e-04	3.518223e+01
## 241	Philippines cunt	10	5.312509e+01	1.119900e-04	3.500744e+01
## 242	Canada arse(hole)	22	7.227461e+01	1.305628e-04	3.497129e+01
## 243	Malaysia dike	5	4.426111e+01	1.019534e-04	3.482594e+01
## 244	Tanzania fuck	377	5.101680e+02	3.462301e-04	3.476054e+01
## 245	Jamaica dike	74	3.789704e+01	9.375078e-05	3.439383e+01
## 246	Great Britain nonce	101	5.685953e+01	1.146279e-04	3.426658e+01
## 247	Singapore wank	10	5.217782e+01	1.095298e-04	3.409434e+01
## 248	Singapore dork	52	2.367900e+01	7.354015e-05	3.387300e+01
## 249	Australia cunt	113	1.940473e+02	2.105458e-04	3.385084e+01
## 250	Great Britain skank	102	1.798918e+02	2.023410e-04	3.372655e+01
## 251	India piss	185	2.821588e+02	2.524582e-04	3.345572e+01
## 252	Kenya ass(hole)	36	9.114720e+01	1.432239e-04	3.336596e+01
## 253	Australia slut	336	2.456575e+02	2.347246e-04	3.322420e+01

## 254	Ghana retard	53	2.454456e+01	7.388941e-05	3.298946e+01
## 255	South Africa retard	80	4.271555e+01	9.682004e-05	3.254390e+01
## 256	Singapore fag(got)	27	7.669697e+01	1.290642e-04	3.220191e+01
## 257	Nigeria damn	859	7.081714e+02	3.923487e-04	3.212396e+01
## 258	Australia cock	339	4.596622e+02	3.136746e-04	3.167408e+01
## 259	Hong Kong slag	39	1.629414e+01	5.895838e-05	3.164057e+01
## 260	Sri Lanka piss	83	1.523073e+02	1.800279e-04	3.153819e+01
## 261	Tanzania pimp	60	2.953445e+01	7.911005e-05	3.142601e+01
## 262	Jamaica dildo	30	1.122316e+01	4.875559e-05	3.141448e+01
## 263	New Zealand tosser	63	3.161048e+01	8.150975e-05	3.117010e+01
## 264	Canada tosser	8	4.568411e+01	9.785862e-05	3.108504e+01
## 265	Malaysia cock	224	1.547865e+02	1.797854e-04	3.094911e+01
## 266	Bangladesh dike	39	1.657006e+01	5.824198e-05	3.036215e+01
## 267	Canada bitch	2	1.171388e-01	4.888861e-06	3.026468e+01
## 268	Canada tranny	58	2.864043e+01	7.623797e-05	3.009678e+01
## 269	Philippines moron	297	2.163553e+02	2.095121e-04	3.005965e+01
## 270	Pakistan pedo	82	4.529762e+01	9.530913e-05	2.973808e+01
## 271	Pakistan cunt	8	4.368640e+01	9.267045e-05	2.915139e+01
## 272	Canada shag	56	1.135075e+02	1.493624e-04	2.913559e+01
## 273	Jamaica ass(hole)	77	1.406837e+02	1.654156e-04	2.882791e+01
## 274	Malaysia puke	94	5.441040e+01	1.028091e-04	2.880582e+01
## 275	Ireland jap	26	7.081972e+01	1.163961e-04	2.836509e+01
## 276	Ghana fart	73	3.966265e+01	8.656953e-05	2.802080e+01
## 277	India feck	1	2.961652e+01	7.430867e-05	2.765029e+01
## 278	Singapore butt(hole)	510	4.044002e+02	2.744787e-04	2.757495e+01
## 279	Jamaica damn	848	7.087199e+02	3.623084e-04	2.737183e+01
## 280	India twat	13	4.963649e+01	9.513911e-05	2.704124e+01
## 281	South Africa ass(hole)	62	1.184957e+02	1.467366e-04	2.693571e+01
## 282	Jamaica wank	7	3.959141e+01	8.463249e-05	2.682906e+01
## 283	Malaysia slag	4	3.426856e+01	7.859948e-05	2.673546e+01
## 284	Hong Kong dildo	19	6.232579e+00	3.315122e-05	2.615402e+01
## 285	Singapore twat	10	4.379842e+01	8.776776e-05	2.608160e+01
## 286	New Zealand pimp	110	1.777076e+02	1.758844e-04	2.579701e+01
## 287	Jamaica cunt	18	5.594804e+01	9.854660e-05	2.573912e+01
## 288	Jamaica twat	4	3.323330e+01	7.591098e-05	2.571475e+01
## 289	Malaysia butt(hole)	454	3.583798e+02	2.485096e-04	2.551266e+01
## 290	Great Britain dork	181	2.624851e+02	2.117209e-04	2.529602e+01
## 291	Pakistan wank	3	3.091452e+01	7.248601e-05	2.520564e+01
## 292	Hong Kong dike	44	2.104544e+01	5.960491e-05	2.503688e+01
## 293	Australia jackass	33	7.674614e+01	1.136097e-04	2.493578e+01
## 294	Great Britain cum	188	1.308749e+02	1.483759e-04	2.493428e+01
## 295	Canada dork	102	6.272780e+01	1.019871e-04	2.458727e+01
## 296	Nigeria idiot	830	6.989182e+02	3.409734e-04	2.458433e+01
## 297	Canada spastic	49	2.454057e+01	6.351310e-05	2.437856e+01
## 298	Nigeria cunt	19	5.590474e+01	9.583727e-05	2.436215e+01
## 299	Singapore slag	8	3.866907e+01	7.964041e-05	2.432414e+01
## 300	United States poofter	5	3.328440e+01	7.344695e-05	2.403550e+01
## 301	Singapore prick	136	8.971932e+01	1.201961e-04	2.387336e+01
## 302	Sri Lanka damn	455	5.713855e+02	3.026446e-04	2.370656e+01
## 303	Pakistan nigger	13	4.595259e+01	8.557180e-05	2.363030e+01
## 304	Australia butt(hole)	906	1.064264e+03	4.120709e-04	2.353492e+01
## 305	India arse(hole)	4	3.091945e+01	6.990211e-05	2.343692e+01
## 306	Singapore whore	200	1.422730e+02	1.499439e-04	2.342263e+01
## 307	Canada moron	659	7.954893e+02	3.551287e-04	2.341870e+01



## 308	India wank	22	5.913282e+01	9.643038e-05	2.331778e+01
## 309	Bangladesh ass(hole)	24	6.151239e+01	9.741668e-05	2.287635e+01
## 310	Jamaica butt(hole)	390	3.068502e+02	2.160710e-04	2.253179e+01
## 311	Singapore cunt	33	7.373433e+01	1.057872e-04	2.250357e+01
## 312	Nigeria fag(got)	22	5.815099e+01	9.388042e-05	2.247415e+01
## 313	Ghana ass(hole)	29	6.808822e+01	1.015107e-04	2.243985e+01
## 314	Tanzania fart	60	3.290211e+01	7.036582e-05	2.231758e+01
## 315	Sri Lanka nigger	15	4.744639e+01	8.425762e-05	2.218859e+01
## 316	India pedo	43	8.664461e+01	1.133490e-04	2.198466e+01
## 317	Hong Kong cunt	5	3.106973e+01	6.769567e-05	2.187438e+01
## 318	Jamaica turd	4	2.929094e+01	6.567305e-05	2.183718e+01
## 319	India dork	51	2.683528e+01	6.274822e-05	2.175994e+01
## 320	Bangladesh retard	44	2.217409e+01	5.667435e-05	2.148319e+01
## 321	South Africa nigger	17	4.956868e+01	8.457566e-05	2.139898e+01
## 322	Pakistan damn	445	5.533960e+02	2.818559e-04	2.123199e+01
## 323	Singapore nigger	37	7.755923e+01	1.053335e-04	2.121026e+01
## 324	Malaysia feck	1	2.315920e+01	5.753995e-05	2.120238e+01
## 325	Tanzania ass(hole)	22	5.648252e+01	8.954720e-05	2.105155e+01
## 326	Malaysia pedo	30	6.775339e+01	9.804415e-05	2.103686e+01
## 327	Philippines idiot	546	6.641672e+02	3.073517e-04	2.102404e+01
## 328	Kenya moron	92	1.476224e+02	1.444792e-04	2.095786e+01
## 329	Bangladesh pimp	58	3.216454e+01	6.708753e-05	2.075177e+01
## 330	Philippines twat	6	3.155646e+01	6.636294e-05	2.069727e+01
## 331	India cunt	42	8.356269e+01	1.079412e-04	2.067259e+01
## 332	Kenya pimp	79	4.766044e+01	8.138340e-05	2.060761e+01
## 333	Kenya crap	358	4.547469e+02	2.515009e-04	2.058281e+01
## 334	Singapore queef	6	1.149681e+00	1.259392e-05	2.046272e+01
## 335	Canada crap	2674	2.450484e+03	5.840764e-04	2.038753e+01
## 336	Hong Kong nigger	7	3.268145e+01	6.668768e-05	2.018077e+01
## 337	Australia dike	80	1.314401e+02	1.336102e-04	2.013150e+01
## 338	South Africa cock	159	1.116285e+02	1.230362e-04	2.010297e+01
## 339	Jamaica shag	7	3.251193e+01	6.624747e-05	2.001907e+01
## 340	Ireland jerk	14	4.350765e+01	7.662544e-05	2.001261e+01
## 341	Pakistan shag	3	2.538658e+01	5.813071e-05	1.974110e+01
## 342	Hong Kong pedo	7	3.221563e+01	6.547801e-05	1.973664e+01
## 343	United States spastic	93	1.468017e+02	1.397497e-04	1.971792e+01
## 344	India nympho	19	7.191152e+00	3.066231e-05	1.939173e+01
## 345	Australia twat	68	1.152647e+02	1.227597e-04	1.938104e+01
## 346	Ireland knob	6	1.197898e+00	1.246872e-05	1.925054e+01
## 347	Canada boner	66	3.883150e+01	7.055028e-05	1.900848e+01
## 348	Pakistan online	108	1.637683e+02	1.448644e-04	1.899089e+01
## 349	India turd	15	4.374826e+01	7.465351e-05	1.889132e+01
## 350	Tanzania piss	38	7.584661e+01	9.828830e-05	1.888504e+01
## 351	Singapore cock	232	1.746630e+02	1.489433e-04	1.882211e+01
## 352	New Zealand fart	259	1.979708e+02	1.585442e-04	1.881372e+01
## 353	Ireland turd	44	8.366119e+01	1.030029e-04	1.880214e+01
## 354	Great Britain crap	9815	1.025408e+04	1.171249e-03	1.880112e+01
## 355	Sri Lanka cunt	16	4.510653e+01	7.558413e-05	1.878199e+01
## 356	Bangladesh crap	231	3.068944e+02	1.972175e-04	1.876856e+01
## 357	Great Britain idiot	9782	1.021854e+04	1.164370e-03	1.864909e+01
## 358	Australia pussy	245	3.225200e+02	2.014498e-04	1.863248e+01
## 359	Australia jap	126	8.599757e+01	1.038897e-04	1.860744e+01
## 360	Malaysia twat	12	3.881419e+01	6.963022e-05	1.852417e+01
## 361	Philippines piss	122	1.793828e+02	1.490642e-04	1.835619e+01

## 362	Ireland crap	1813	2.004754e+03	5.004955e-04	1.834119e+01
## 363	South Africa online	120	1.766556e+02	1.471740e-04	1.817012e+01
## 364	Bangladesh online	51	9.170378e+01	1.057128e-04	1.806684e+01
## 365	Philippines arse(hole)	1	1.965708e+01	4.844568e-05	1.770795e+01
## 366	South Africa idiot	691	5.891439e+02	2.648752e-04	1.760974e+01
## 367	Ireland tosser	63	3.737441e+01	6.654344e-05	1.757006e+01
## 368	Hong Kong butt(hole)	225	1.704038e+02	1.418222e-04	1.749228e+01
## 369	Pakistan pimp	89	5.744074e+01	8.195602e-05	1.733938e+01
## 370	Ireland retard	95	1.448498e+02	1.294840e-04	1.715573e+01
## 371	Philippines slag	6	2.786080e+01	5.676581e-05	1.715294e+01
## 372	New Zealand damn	1541	1.712072e+03	4.461738e-04	1.709376e+01
## 373	Jamaica slag	7	2.934126e+01	5.801364e-05	1.701127e+01
## 374	Kenya bloody	453	3.734796e+02	2.066755e-04	1.693128e+01
## 375	Pakistan twat	5	2.594985e+01	5.440008e-05	1.691325e+01
## 376	Philippines feck	1	1.882874e+01	4.629469e-05	1.688185e+01
## 377	India shag	20	4.855907e+01	7.416313e-05	1.679646e+01
## 378	Ireland frig	51	8.960276e+01	1.002556e-04	1.663088e+01
## 379	Tanzania dike	31	1.521512e+01	4.098714e-05	1.637597e+01
## 380	Sri Lanka twat	6	2.679342e+01	5.399398e-05	1.613703e+01
## 381	Malaysia piss	161	2.206394e+02	1.549427e-04	1.612067e+01
## 382	Canada fuck	4169	4.436337e+03	7.022323e-04	1.610999e+01
## 383	Philippines wank	13	3.759377e+01	6.386409e-05	1.608919e+01
## 384	Malaysia ass(hole)	113	1.643088e+02	1.332805e-04	1.602225e+01
## 385	Malaysia cunt	33	6.534343e+01	8.399414e-05	1.600922e+01
## 386	Canada prick	176	2.376745e+02	1.602372e-04	1.600402e+01
## 387	Malaysia fag(got)	35	6.796892e+01	8.561910e-05	1.599186e+01
## 388	Bangladesh pussy	66	4.065862e+01	6.580599e-05	1.579458e+01
## 389	Singapore idiot	802	9.218229e+02	3.118672e-04	1.557514e+01
## 390	Nigeria turd	8	2.926827e+01	5.522738e-05	1.545494e+01
## 391	Bangladesh wank	1	1.731090e+01	4.235326e-05	1.536867e+01
## 392	Singapore crap	807	9.250287e+02	3.072001e-04	1.505983e+01
## 393	Bangladesh moron	61	9.962571e+01	1.003178e-04	1.497551e+01
## 394	Ireland pecker	21	9.247772e+00	3.051546e-05	1.493494e+01
## 395	Jamaica fart	47	8.195087e+01	9.076945e-05	1.490605e+01
## 396	India spastic	23	1.049858e+01	3.246089e-05	1.488634e+01
## 397	South Africa moron	245	1.919162e+02	1.379012e-04	1.468295e+01
## 398	Hong Kong pussy	79	5.164004e+01	7.104981e-05	1.449587e+01
## 399	Hong Kong dork	22	9.977717e+00	3.121673e-05	1.448581e+01
## 400	Jamaica pedo	87	5.801149e+01	7.528018e-05	1.448565e+01
## 401	Great Britain fart	1066	1.197236e+03	3.418180e-04	1.438557e+01
## 402	Pakistan arse(hole)	1	1.616462e+01	3.937668e-05	1.422649e+01
## 403	Kenya online	92	1.358839e+02	1.139850e-04	1.417237e+01
## 404	India tosser	3	1.954390e+01	4.295850e-05	1.400440e+01
## 405	Malaysia idiot	710	8.169202e+02	2.782090e-04	1.399393e+01
## 406	Jamaica nympho	13	4.814719e+00	2.125340e-05	1.391542e+01
## 407	Nigeria bloody	665	5.760116e+02	2.314050e-04	1.374788e+01
## 408	Australia jerk	26	5.283207e+01	6.967917e-05	1.362733e+01
## 409	Pakistan cock	66	1.034850e+02	9.735625e-05	1.357807e+01
## 410	Tanzania spastic	9	2.822106e+00	1.604106e-05	1.352408e+01
## 411	Ghana dildo	14	5.431794e+00	2.224771e-05	1.351564e+01
## 412	Singapore tosser	2	1.724521e+01	3.958605e-05	1.347716e+01
## 413	Singapore fart	146	1.080037e+02	9.868538e-05	1.336734e+01
## 414	Malaysia tosser	1	1.528272e+01	3.708664e-05	1.334815e+01
## 415	Philippines bloody	462	5.473716e+02	2.219834e-04	1.331511e+01

## 416	New Zealand sod	29	1.495419e+01	3.647144e-05	1.319261e+01
## 417	Hong Kong jerk	19	8.459166e+00	2.736994e-05	1.313477e+01
## 418	Malaysia retard	87	5.923034e+01	7.211517e-05	1.301958e+01
## 419	Nigeria puke	22	4.655096e+01	6.375442e-05	1.294817e+01
## 420	Hong Kong spastic	11	3.903514e+00	1.842625e-05	1.290123e+01
## 421	Great Britain knob	15	6.127104e+00	2.303889e-05	1.284918e+01
## 422	Ghana pussy	69	4.500513e+01	6.231009e-05	1.279307e+01
## 423	Malaysia wank	22	4.624003e+01	6.294692e-05	1.270715e+01
## 424	Pakistan whore	117	8.429445e+01	8.493873e-05	1.268948e+01
## 425	Great Britain hoe	2	1.642064e+01	3.744487e-05	1.266423e+01
## 426	Canada shit	4	1.985502e+01	4.116977e-05	1.266086e+01
## 427	Ireland puke	174	1.330625e+02	1.063312e-04	1.259468e+01
## 428	Nigeria dork	3	1.795322e+01	3.882792e-05	1.245452e+01
## 429	Singapore arse(hole)	9	2.728281e+01	4.747478e-05	1.225171e+01
## 430	Canada whore	309	3.768939e+02	1.764597e-04	1.223046e+01
## 431	New Zealand twat	49	8.028252e+01	8.124218e-05	1.218940e+01
## 432	India pussy	180	1.388870e+02	1.067888e-04	1.217020e+01
## 433	Tanzania wank	2	1.589539e+01	3.608095e-05	1.214704e+01
## 434	India whore	117	1.612372e+02	1.149101e-04	1.213694e+01
## 435	Ireland slut	153	2.023010e+02	1.280776e-04	1.201471e+01
## 436	Nigeria crap	610	7.013488e+02	2.376205e-04	1.189795e+01
## 437	Australia moron	887	7.902700e+02	2.516765e-04	1.183988e+01
## 438	Hong Kong cock	103	7.359847e+01	7.635583e-05	1.174549e+01
## 439	Pakistan feck	2	1.548346e+01	3.501128e-05	1.174180e+01
## 440	Kenya fuck	725	8.232703e+02	2.557061e-04	1.173012e+01
## 441	Ireland tranny	7	2.343088e+01	4.266547e-05	1.152214e+01
## 442	Kenya pecker	7	2.097712e+00	1.272889e-05	1.145650e+01
## 443	Great Britain prick	1101	9.945515e+02	2.771096e-04	1.139335e+01
## 444	Nigeria jap	8	2.477577e+01	4.356119e-05	1.135894e+01
## 445	South Africa fart	97	6.902595e+01	7.264781e-05	1.133701e+01
## 446	United States nonce	51	8.128400e+01	7.864918e-05	1.128292e+01
## 447	South Africa turd	8	2.467130e+01	4.328990e-05	1.126541e+01
## 448	Sri Lanka wank	13	3.191947e+01	4.912857e-05	1.121404e+01
## 449	Ghana damn	405	3.430068e+02	1.611092e-04	1.120431e+01
## 450	Nigeria tosser	1	1.307517e+01	3.135431e-05	1.115165e+01
## 451	Bangladesh cunt	8	2.446265e+01	4.274809e-05	1.107889e+01
## 452	Bangladesh whore	70	4.720155e+01	5.920356e-05	1.101170e+01
## 453	Australia shag	148	1.127627e+02	9.152061e-05	1.101132e+01
## 454	Jamaica puke	24	4.658702e+01	5.865441e-05	1.095098e+01
## 455	Great Britain tits	25	4.779141e+01	5.918537e-05	1.086908e+01
## 456	Jamaica dork	4	1.796712e+01	3.626740e-05	1.085764e+01
## 457	Bangladesh twat	2	1.453089e+01	3.253775e-05	1.080616e+01
## 458	New Zealand butt(hole)	652	7.412658e+02	2.322262e-04	1.074970e+01
## 459	Jamaica whore	142	1.079537e+02	8.842618e-05	1.073747e+01
## 460	Tanzania cunt	7	2.246234e+01	4.015041e-05	1.064377e+01
## 461	Kenya jap	3	1.606434e+01	3.392305e-05	1.062459e+01
## 462	Malaysia moron	319	2.661153e+02	1.374104e-04	1.050971e+01
## 463	Nigeria arse(hole)	6	2.068559e+01	3.813327e-05	1.042593e+01
## 464	Nigeria dike	18	3.786771e+01	5.159169e-05	1.042381e+01
## 465	Tanzania tits	5	1.313390e+00	9.572335e-06	1.034810e+01
## 466	Pakistan dork	2	1.402943e+01	3.123561e-05	1.031454e+01
## 467	India bloody	955	8.609839e+02	2.446604e-04	1.026620e+01
## 468	Jamaica jap	9	2.479496e+01	4.101435e-05	1.006175e+01
## 469	Australia spastic	40	2.437955e+01	4.056114e-05	1.000832e+01

## 470	South Africa hoe	4	9.467223e-01	7.927872e-06	9.847138e+00
## 471	United States whore	2403	2.254580e+03	3.876426e-04	9.770554e+00
## 472	Ireland prick	238	1.944428e+02	1.131537e-04	9.757273e+00
## 473	Sri Lanka nympho	10	3.881732e+00	1.588628e-05	9.643429e+00
## 474	Nigeria feck	6	1.981391e+01	3.586975e-05	9.630819e+00
## 475	Hong Kong slut	20	3.933326e+01	5.020404e-05	9.502770e+00
## 476	New Zealand dike	121	9.154882e+01	7.648833e-05	9.474420e+00
## 477	New Zealand jackass	31	5.345414e+01	5.831039e-05	9.432165e+00
## 478	Great Britain lesbo	3	1.470505e+01	3.039339e-05	9.317085e+00
## 479	Philippines shag	14	3.087149e+01	4.381043e-05	9.220391e+00
## 480	Jamaica boner	1	1.112250e+01	2.628390e-05	9.212411e+00
## 481	United States jap	449	5.178352e+02	1.789715e-04	9.150169e+00
## 482	South Africa tosser	1	1.102154e+01	2.602174e-05	9.112275e+00
## 483	Nigeria pedo	35	5.796659e+01	5.964187e-05	9.099455e+00
## 484	Ghana wank	6	1.916148e+01	3.417557e-05	9.040253e+00
## 485	Kenya dick	2	3.152002e-01	4.374596e-06	9.005547e+00
## 486	Pakistan slut	33	5.530554e+01	5.792479e-05	8.996156e+00
## 487	Philippines turd	12	2.781302e+01	4.106155e-05	8.990447e+00
## 488	Sri Lanka feck	4	1.598678e+01	3.112504e-05	8.987610e+00
## 489	Kenya slag	6	1.900983e+01	3.378177e-05	8.903590e+00
## 490	United States dork	433	3.752378e+02	1.501262e-04	8.891623e+00
## 491	Nigeria pimp	48	7.350593e+01	6.623894e-05	8.850341e+00
## 492	Jamaica pimp	99	7.356286e+01	6.606029e-05	8.795853e+00
## 493	Ghana idiot	393	3.385250e+02	1.415692e-04	8.766055e+00
## 494	Philippines tosser	2	1.242506e+01	2.706960e-05	8.746988e+00
## 495	Great Britain turd	489	4.279170e+02	1.587789e-04	8.719305e+00
## 496	South Africa darkie	6	1.921705e+00	1.058937e-05	8.655070e+00
## 497	New Zealand jerk	19	3.679784e+01	4.621662e-05	8.608201e+00
## 498	United States gook	34	2.067136e+01	3.460974e-05	8.594139e+00
## 499	Canada slag	73	1.024378e+02	7.645586e-05	8.459632e+00
## 500	New Zealand dildo	12	2.711207e+01	3.924133e-05	8.423356e+00
## 501	India frig	27	4.685524e+01	5.156052e-05	8.413800e+00
## 502	Kenya fag(got)	20	3.770447e+01	4.597425e-05	8.313289e+00
## 503	Sri Lanka ass(hole)	83	1.134223e+02	7.901497e-05	8.159919e+00
## 504	India lesbo	5	1.503377e+00	9.079037e-06	8.132608e+00
## 505	Ghana arse(hole)	1	1.001918e+01	2.341897e-05	8.118992e+00
## 506	Kenya arse(hole)	3	1.341231e+01	2.703657e-05	8.083337e+00
## 507	Ireland dildo	16	3.205575e+01	4.169231e-05	8.041834e+00
## 508	Sri Lanka skank	1	9.927495e+00	2.318089e-05	8.028226e+00
## 509	Singapore ass(hole)	147	1.854081e+02	9.977496e-05	7.956418e+00
## 510	Bangladesh nigger	40	2.573163e+01	3.705038e-05	7.911911e+00
## 511	Bangladesh fart	19	3.583210e+01	4.370871e-05	7.906867e+00
## 512	Nigeria pussy	120	9.291753e+01	7.033675e-05	7.893667e+00
## 513	Ghana jerk	15	7.372300e+00	1.980575e-05	7.891948e+00
## 514	Sri Lanka turd	10	2.361500e+01	3.535358e-05	7.849593e+00
## 515	New Zealand pedo	107	1.401398e+02	8.607902e-05	7.836794e+00
## 516	Malaysia fart	123	9.571294e+01	7.086863e-05	7.779344e+00
## 517	Nigeria prick	91	6.802442e+01	5.966677e-05	7.760116e+00
## 518	Sri Lanka shag	12	2.621183e+01	3.690362e-05	7.705535e+00
## 519	Malaysia turd	18	3.420978e+01	4.209253e-05	7.680757e+00
## 520	Nigeria slut	94	7.077356e+01	6.031868e-05	7.622447e+00
## 521	New Zealand fag(got)	108	1.405856e+02	8.463958e-05	7.552844e+00
## 522	New Zealand feck	29	4.790204e+01	4.908536e-05	7.458703e+00
## 523	Malaysia jackass	12	2.584347e+01	3.594707e-05	7.415479e+00

## 524	Malaysia spastic	16	8.209564e+00	2.022834e-05	7.392706e+00
## 525	Ghana tits	5	1.583258e+00	8.871626e-06	7.373481e+00
## 526	Bangladesh piss	58	8.260088e+01	6.389003e-05	7.326839e+00
## 527	South Africa piss	125	1.591200e+02	8.862938e-05	7.316329e+00
## 528	Sri Lanka whore	112	8.703465e+01	6.483733e-05	7.161157e+00
## 529	Kenya hoe	3	7.282212e-01	5.898698e-06	7.087104e+00
## 530	Singapore jerk	32	2.007519e+01	3.096444e-05	7.083417e+00
## 531	Philippines ass(hole)	103	1.335853e+02	7.944248e-05	7.002724e+00
## 532	South Africa twat	14	2.799189e+01	3.633267e-05	6.993921e+00
## 533	Bangladesh frig	4	1.371669e+01	2.523034e-05	6.883152e+00
## 534	United States knob	1	8.759052e+00	2.014688e-05	6.873220e+00
## 535	Philippines jackass	9	2.101109e+01	3.118857e-05	6.866199e+00
## 536	Ireland boner	17	3.176825e+01	3.834901e-05	6.865384e+00
## 537	Hong Kong bloody	367	3.201254e+02	1.218114e-04	6.863648e+00
## 538	South Africa feck	6	1.670188e+01	2.778869e-05	6.857323e+00
## 539	South Africa frig	13	2.642344e+01	3.485644e-05	6.819279e+00
## 540	India prick	128	1.016784e+02	6.836228e-05	6.813913e+00
## 541	Malaysia slut	59	8.272262e+01	6.160916e-05	6.803010e+00
## 542	Pakistan boner	1	8.684883e+00	1.995429e-05	6.800025e+00
## 543	India dike	37	5.660213e+01	5.090453e-05	6.788502e+00
## 544	Bangladesh feck	1	8.670122e+00	1.991596e-05	6.785460e+00
## 545	Malaysia shag	22	3.797168e+01	4.147465e-05	6.718023e+00
## 546	Philippines retard	66	4.815507e+01	4.634027e-05	6.612838e+00
## 547	Pakistan tosser	2	1.021751e+01	2.133738e-05	6.608994e+00
## 548	South Africa shag	14	2.738430e+01	3.475487e-05	6.541683e+00
## 549	Jamaica piss	154	1.889148e+02	9.070095e-05	6.452871e+00
## 550	Tanzania arse(hole)	1	8.311404e+00	1.898451e-05	6.431721e+00
## 551	India eff	2	9.972399e+00	2.070092e-05	6.373506e+00
## 552	Singapore boner	5	1.465843e+01	2.507912e-05	6.363933e+00
## 553	New Zealand eff	6	1.612945e+01	2.630228e-05	6.361393e+00
## 554	Jamaica jerk	25	1.523263e+01	2.536204e-05	6.262973e+00
## 555	Pakistan dike	16	2.959148e+01	3.529306e-05	6.242618e+00
## 556	Philippines dike	21	3.598488e+01	3.891196e-05	6.240028e+00
## 557	Nigeria moron	190	2.276756e+02	9.788281e-05	6.234536e+00
## 558	India pimp	136	1.098718e+02	6.786142e-05	6.213457e+00
## 559	United States skank	297	2.571658e+02	1.034989e-04	6.170207e+00
## 560	New Zealand boner	14	2.686891e+01	3.341653e-05	6.163586e+00
## 561	Sri Lanka gook	3	7.979867e-01	5.717552e-06	6.076371e+00
## 562	Bangladesh turd	4	1.280713e+01	2.286853e-05	6.056438e+00
## 563	Pakistan skank	2	9.614938e+00	1.977272e-05	6.030958e+00
## 564	India jackass	19	3.304923e+01	3.648204e-05	5.972330e+00
## 565	India slag	60	4.382343e+01	4.200733e-05	5.971265e+00
## 566	Ghana queef	2	4.222022e-01	4.096765e-06	5.896336e+00
## 567	Canada eff	35	2.331061e+01	3.035340e-05	5.861785e+00
## 568	Kenya damn	511	4.591706e+02	1.347359e-04	5.850299e+00
## 569	India damn	1137	1.058528e+03	2.043157e-04	5.817441e+00
## 570	Ghana moron	85	1.102760e+02	6.564799e-05	5.793416e+00
## 571	Jamaica bloody	519	5.764577e+02	1.494129e-04	5.727024e+00
## 572	India sod	2	9.245767e+00	1.881413e-05	5.678397e+00
## 573	Singapore shit	1	7.495034e+00	1.686472e-05	5.628456e+00
## 574	Sri Lanka arse(hole)	7	1.669009e+01	2.516147e-05	5.625967e+00
## 575	Ghana crap	296	3.397023e+02	1.135734e-04	5.622241e+00
## 576	New Zealand crap	1793	1.695578e+03	2.540749e-04	5.597507e+00
## 577	Hong Kong jackass	4	1.228815e+01	2.152091e-05	5.590217e+00

## 578	Nigeria jackass	11	2.211045e+01	2.885000e-05	5.582976e+00
## 579	Ireland cunt	130	1.597996e+02	7.740688e-05	5.557053e+00
## 580	Kenya butt(hole)	232	1.988044e+02	8.623714e-05	5.542883e+00
## 581	South Africa cunt	31	4.712416e+01	4.187160e-05	5.517098e+00
## 582	Sri Lanka boner	2	8.967206e+00	1.809081e-05	5.413276e+00
## 583	Ghana whore	69	5.224752e+01	4.350380e-05	5.371461e+00
## 584	Nigeria wank	25	3.956078e+01	3.781102e-05	5.359252e+00
## 585	Australia nonce	5	1.349894e+01	2.206832e-05	5.350939e+00
## 586	Nigeria piss	157	1.887686e+02	8.252779e-05	5.346460e+00
## 587	Kenya wank	14	2.565078e+01	3.025332e-05	5.291870e+00
## 588	Kenya piss	97	1.223955e+02	6.596052e-05	5.269241e+00
## 589	Kenya turd	9	1.897723e+01	2.590720e-05	5.245500e+00
## 590	South Africa skank	3	1.037155e+01	1.914080e-05	5.239313e+00
## 591	South Africa slut	42	5.965764e+01	4.585525e-05	5.226357e+00
## 592	Singapore shag	28	4.284772e+01	3.855647e-05	5.145075e+00
## 593	Pakistan crap	495	5.480646e+02	1.379788e-04	5.137806e+00
## 594	Ghana twat	7	1.608428e+01	2.358837e-05	5.130733e+00
## 595	Singapore tits	9	4.311303e+00	1.217436e-05	5.099127e+00
## 596	Ghana dike	28	1.834144e+01	2.507971e-05	5.086178e+00
## 597	Hong Kong cum	10	4.974884e+00	1.304791e-05	5.075855e+00
## 598	Kenya nigger	52	3.812836e+01	3.602137e-05	5.046704e+00
## 599	Bangladesh spastic	7	3.073419e+00	1.019547e-05	5.016576e+00
## 600	Ireland fag(got)	195	1.662203e+02	7.475890e-05	4.982969e+00
## 601	Kenya tosser	2	8.477799e+00	1.682001e-05	4.949619e+00
## 602	Great Britain gook	6	1.445997e+01	2.196717e-05	4.949598e+00
## 603	Ireland skank	22	3.517028e+01	3.419983e-05	4.931900e+00
## 604	Bangladesh idiot	267	3.058308e+02	1.009046e-04	4.930289e+00
## 605	Canada dildo	53	3.918291e+01	3.587979e-05	4.872325e+00
## 606	United States bullshit	6	1.436485e+01	2.172018e-05	4.870964e+00
## 607	Nigeria shag	45	3.248677e+01	3.249341e-05	4.819835e+00
## 608	India skank	9	1.839131e+01	2.438575e-05	4.795563e+00
## 609	Kenya feck	5	1.284713e+01	2.037579e-05	4.793086e+00
## 610	South Africa jerk	5	1.283021e+01	2.033185e-05	4.778733e+00
## 611	Bangladesh shag	6	1.421548e+01	2.133232e-05	4.747930e+00
## 612	Ghana slut	47	3.427957e+01	3.303161e-05	4.720284e+00
## 613	Nigeria dick	2	4.861282e-01	3.930782e-06	4.714411e+00
## 614	United States eff	165	1.394441e+02	6.638005e-05	4.683623e+00
## 615	Canada fag(got)	234	2.031772e+02	8.007389e-05	4.675953e+00
## 616	South Africa slag	14	2.471369e+01	2.781994e-05	4.644518e+00
## 617	Pakistan jiss	5	1.978005e+00	7.846667e-06	4.617002e+00
## 618	Australia whore	333	3.744211e+02	1.076547e-04	4.582290e+00
## 619	Ghana piss	71	9.143113e+01	5.306215e-05	4.565526e+00
## 620	Canada piss	605	6.595498e+02	1.418817e-04	4.511678e+00
## 621	Pakistan frig	14	2.449582e+01	2.725420e-05	4.497188e+00
## 622	Hong Kong feck	4	1.101182e+01	1.820676e-05	4.464806e+00
## 623	Singapore pedo	58	7.645377e+01	4.792483e-05	4.454217e+00
## 624	Ghana cock	81	6.414226e+01	4.377851e-05	4.430519e+00
## 625	Ghana frig	7	1.518304e+01	2.124815e-05	4.410326e+00
## 626	Jamaica sod	1	6.190352e+00	1.347700e-05	4.351894e+00
## 627	Great Britain fanny	23	1.495013e+01	2.090233e-05	4.334432e+00
## 628	South Africa boner	3	9.368312e+00	1.653576e-05	4.328997e+00
## 629	Sri Lanka jerk	5	1.228088e+01	1.890545e-05	4.316564e+00
## 630	Malaysia eff	2	7.798106e+00	1.505512e-05	4.311051e+00
## 631	Great Britain shit	102	8.308353e+01	4.912731e-05	4.306903e+00

## 632	Philippines nympho	9	4.571784e+00	1.149802e-05	4.289156e+00
## 633	Pakistan turd	13	2.287150e+01	2.563293e-05	4.260610e+00
## 634	Malaysia pimp	105	8.591632e+01	4.956194e-05	4.238855e+00
## 635	Sri Lanka frig	15	2.529212e+01	2.672530e-05	4.188171e+00
## 636	Singapore slut	113	9.334523e+01	5.104608e-05	4.138506e+00
## 637	Australia fag(got)	173	2.018441e+02	7.493312e-05	4.121903e+00
## 638	South Africa spastic	1	5.920547e+00	1.277642e-05	4.089450e+00
## 639	Nigeria butt(hole)	342	3.066128e+02	9.195635e-05	4.084161e+00
## 640	Bangladesh arse(hole)	3	9.051548e+00	1.571325e-05	4.045853e+00
## 641	Australia prick	267	2.361151e+02	8.024198e-05	4.039878e+00
## 642	Bangladesh darkie	3	9.975775e-01	5.199315e-06	4.019433e+00
## 643	Ghana hoe	2	5.439913e-01	3.780540e-06	3.897050e+00
## 644	Jamaica shit	1	5.687072e+00	1.217019e-05	3.862909e+00
## 645	Nigeria cock	155	1.324280e+02	5.862844e-05	3.847331e+00
## 646	South Africa nympho	8	4.055363e+00	1.024238e-05	3.836935e+00
## 647	South Africa eff	1	5.623813e+00	1.200593e-05	3.801628e+00
## 648	Malaysia skank	7	1.438143e+01	1.916665e-05	3.788603e+00
## 649	Kenya dork	5	1.164067e+01	1.724306e-05	3.788312e+00
## 650	India bullshit	3	1.027307e+00	5.122121e-06	3.788073e+00
## 651	Malaysia sod	2	7.229902e+00	1.357973e-05	3.783160e+00
## 652	Australia dork	47	6.231624e+01	3.977513e-05	3.764462e+00
## 653	Malaysia boner	6	1.299031e+01	1.815100e-05	3.761608e+00
## 654	Canada poofter	1	5.564091e+00	1.185086e-05	3.743815e+00
## 655	United States dick	4	1.016050e+01	1.599620e-05	3.735226e+00
## 656	Sri Lanka butt(hole)	217	2.473894e+02	7.895695e-05	3.733043e+00
## 657	Tanzania pedo	14	2.329079e+01	2.412505e-05	3.706134e+00
## 658	Kenya dike	34	2.455301e+01	2.453073e-05	3.634815e+00
## 659	Canada nympho	9	1.680941e+01	2.027807e-05	3.628140e+00
## 660	Pakistan jap	11	1.936087e+01	2.171014e-05	3.610589e+00
## 661	South Africa butt(hole)	228	2.584552e+02	7.913017e-05	3.588701e+00
## 662	Bangladesh skank	1	5.383984e+00	1.138320e-05	3.569720e+00
## 663	Ghana boner	1	5.383078e+00	1.138085e-05	3.568845e+00
## 664	Pakistan cum	2	6.995064e+00	1.296995e-05	3.566896e+00
## 665	Kenya idiot	413	4.531709e+02	1.044269e-04	3.560918e+00
## 666	Singapore spastic	15	9.263774e+00	1.489450e-05	3.551932e+00
## 667	Australia nympho	9	1.669912e+01	1.999168e-05	3.549677e+00
## 668	Pakistan moron	203	1.779157e+02	6.516174e-05	3.536644e+00
## 669	Jamaica spastic	12	7.029154e+00	1.290707e-05	3.515262e+00
## 670	Bangladesh jap	17	1.084132e+01	1.599150e-05	3.498591e+00
## 671	Australia boner	27	3.857672e+01	3.006202e-05	3.474126e+00
## 672	Bangladesh puke	12	2.036965e+01	2.173300e-05	3.438992e+00
## 673	Tanzania prick	37	2.733199e+01	2.510482e-05	3.419816e+00
## 674	Kenya frig	12	2.032498e+01	2.161699e-05	3.409857e+00
## 675	Pakistan eff	1	5.213550e+00	1.094065e-05	3.405358e+00
## 676	New Zealand nonce	15	9.402092e+00	1.453535e-05	3.332936e+00
## 677	Hong Kong kike	1	1.956415e-01	2.088522e-06	3.307031e+00
## 678	New Zealand shit	7	1.373840e+01	1.749692e-05	3.305047e+00
## 679	Australia darkie	13	7.913173e+00	1.320825e-05	3.269967e+00
## 680	Singapore sod	3	8.158312e+00	1.339387e-05	3.261481e+00
## 681	South Africa prick	71	5.734029e+01	3.547281e-05	3.254044e+00
## 682	Hong Kong turd	9	1.626619e+01	1.886751e-05	3.245847e+00
## 683	Ireland fanny	6	2.922871e+00	7.989844e-06	3.239529e+00
## 684	Singapore skank	9	1.622819e+01	1.876882e-05	3.219502e+00
## 685	Kenya prick	56	4.410629e+01	3.088562e-05	3.207260e+00

## 686	New Zealand skank	20	2.974627e+01	2.530821e-05	3.193337e+00
## 687	Ireland jackass	49	6.320109e+01	3.687927e-05	3.190942e+00
## 688	Canada online	684	7.322344e+02	1.254793e-04	3.177334e+00
## 689	New Zealand cock	352	3.201575e+02	8.274814e-05	3.167029e+00
## 690	United States pikey	5	1.086122e+01	1.521913e-05	3.162991e+00
## 691	Ghana knob	1	2.029818e-01	2.069463e-06	3.129531e+00
## 692	Malaysia pussy	127	1.086053e+02	4.777546e-05	3.115554e+00
## 693	Great Britain queef	19	1.274438e+01	1.624330e-05	3.070595e+00
## 694	Bangladesh boner	1	4.863190e+00	1.003092e-05	3.068816e+00
## 695	Malaysia tranny	15	9.581090e+00	1.407058e-05	3.064848e+00
## 696	United States lesbo	13	2.102172e+01	2.082959e-05	3.061027e+00
## 697	Australia piss	700	6.552223e+02	1.164636e-04	3.060088e+00
## 698	Ghana cunt	18	2.707778e+01	2.357215e-05	3.043308e+00
## 699	Pakistan sod	1	4.833668e+00	9.954265e-06	3.040550e+00
## 700	Tanzania twat	7	1.334270e+01	1.646943e-05	3.015120e+00
## 701	Kenya shag	29	2.106407e+01	2.060682e-05	2.989878e+00
## 702	Jamaica retard	63	5.071392e+01	3.190508e-05	2.976458e+00
## 703	Singapore nympho	2	6.345353e+00	1.128292e-05	2.975736e+00
## 704	Ghana pedo	19	2.807645e+01	2.356876e-05	2.934199e+00
## 705	Hong Kong wank	30	2.198638e+01	2.080860e-05	2.920814e+00
## 706	Sri Lanka tranny	11	6.613822e+00	1.138893e-05	2.908842e+00
## 707	Sri Lanka dork	8	1.448549e+01	1.684024e-05	2.903702e+00
## 708	Canada queef	6	3.045608e+00	7.671157e-06	2.865909e+00
## 709	Australia bullshit	5	2.385589e+00	6.788375e-06	2.865182e+00
## 710	Singapore cum	6	1.180634e+01	1.507665e-05	2.855547e+00
## 711	Malaysia dildo	7	1.310787e+01	1.585966e-05	2.846084e+00
## 712	Nigeria sod	2	6.185562e+00	1.086801e-05	2.832229e+00
## 713	Tanzania turd	6	1.175990e+01	1.495606e-05	2.821148e+00
## 714	Kenya lesbo	2	6.521384e-01	3.499736e-06	2.785806e+00
## 715	Kenya spastic	1	4.554099e+00	9.228348e-06	2.773682e+00
## 716	India fart	104	1.223999e+02	4.779070e-05	2.765992e+00
## 717	Malaysia nonce	1	4.545630e+00	9.206356e-06	2.765621e+00
## 718	United States dildo	209	2.343922e+02	6.597123e-05	2.750797e+00
## 719	United States tits	82	6.832061e+01	3.552493e-05	2.738937e+00
## 720	India tranny	18	1.225252e+01	1.492384e-05	2.696059e+00
## 721	Canada jiss	4	8.843976e+00	1.257770e-05	2.653117e+00
## 722	Canada jerk	65	5.318099e+01	3.069235e-05	2.626669e+00
## 723	Australia sod	14	2.147030e+01	1.939776e-05	2.599190e+00
## 724	Australia kike	3	1.221887e+00	4.616895e-06	2.587544e+00
## 725	Ireland pedo	145	1.656932e+02	5.375322e-05	2.584354e+00
## 726	Kenya slut	35	4.588880e+01	2.827620e-05	2.583768e+00
## 727	Ghana nigger	37	2.848241e+01	2.211761e-05	2.547163e+00
## 728	Kenya retard	42	3.285690e+01	2.374213e-05	2.544251e+00
## 729	Sri Lanka fag(got)	36	4.691891e+01	2.835447e-05	2.541036e+00
## 730	Australia tits	6	1.134609e+01	1.388157e-05	2.518992e+00
## 731	Hong Kong tosser	3	7.266684e+00	1.107868e-05	2.505214e+00
## 732	New Zealand retard	105	1.225109e+02	4.548157e-05	2.502888e+00
## 733	Tanzania pussy	47	3.733397e+01	2.510035e-05	2.502607e+00
## 734	Canada pecker	6	1.130389e+01	1.377198e-05	2.488634e+00
## 735	Sri Lanka puke	28	3.755947e+01	2.482365e-05	2.433036e+00
## 736	South Africa tranny	11	6.909660e+00	1.062078e-05	2.421376e+00
## 737	Philippines slut	80	6.725461e+01	3.309925e-05	2.415373e+00
## 738	United States tranny	151	1.713271e+02	5.280281e-05	2.411699e+00
## 739	Philippines skank	17	1.169230e+01	1.378190e-05	2.409423e+00



## 740	United States nympho	85	1.005539e+02	4.039638e-05	2.405917e+00
## 741	United States darkie	37	4.764924e+01	2.765424e-05	2.380025e+00
## 742	India shit	4	8.494079e+00	1.166916e-05	2.377744e+00
## 743	South Africa jackass	12	1.863771e+01	1.723569e-05	2.363982e+00
## 744	Nigeria slag	21	2.931856e+01	2.160083e-05	2.360225e+00
## 745	Nigeria boner	6	1.111390e+01	1.327864e-05	2.353084e+00
## 746	Malaysia nympho	2	5.623257e+00	9.407946e-06	2.334589e+00
## 747	Hong Kong fag(got)	41	3.231811e+01	2.254446e-05	2.332288e+00
## 748	Great Britain bollocks	1	2.450842e-01	1.960144e-06	2.325315e+00
## 749	Jamaica slut	58	7.082837e+01	3.331506e-05	2.323462e+00
## 750	Tanzania fag(got)	16	2.336488e+01	1.912411e-05	2.321495e+00
## 751	Nigeria tits	6	3.268793e+00	7.091655e-06	2.282033e+00
## 752	Great Britain darkie	42	3.333145e+01	2.250990e-05	2.254442e+00
## 753	Hong Kong damn	364	3.935748e+02	7.686972e-05	2.222372e+00
## 754	Ghana tranny	1	3.970325e+00	7.712544e-06	2.222193e+00
## 755	United States butt(hole)	6527	6.408473e+03	3.129640e-04	2.192205e+00
## 756	Jamaica fuck	1218	1.270700e+03	1.372884e-04	2.185626e+00
## 757	Canada hoe	1	3.924148e+00	7.592645e-06	2.178981e+00
## 758	United States puke	927	9.729555e+02	1.196259e-04	2.170611e+00
## 759	Tanzania retard	27	2.036092e+01	1.723932e-05	2.164804e+00
## 760	Nigeria nympho	8	4.810993e+00	8.280379e-06	2.113861e+00
## 761	South Africa dildo	5	9.453093e+00	1.156276e-05	2.097730e+00
## 762	South Africa wank	25	3.334723e+01	2.167551e-05	2.089418e+00
## 763	India moron	314	3.403144e+02	6.838588e-05	2.034727e+00
## 764	Australia cum	39	3.107084e+01	2.058977e-05	2.023491e+00
## 765	Bangladesh jerk	3	6.660297e+00	9.504145e-06	2.011588e+00
## 766	Philippines pussy	75	8.829756e+01	3.453511e-05	2.002605e+00
## 767	Malaysia shit	3	6.642105e+00	9.456910e-06	1.997097e+00
## 768	Australia slag	116	1.017657e+02	3.696913e-05	1.990989e+00
## 769	Kenya jackass	9	1.433617e+01	1.385592e-05	1.986218e+00
## 770	Sri Lanka tosser	6	1.054965e+01	1.181353e-05	1.962088e+00
## 771	Nigeria shit	9	5.682671e+00	8.613591e-06	1.936532e+00
## 772	New Zealand cunt	119	1.351551e+02	4.196147e-05	1.931015e+00
## 773	Singapore turd	30	3.860274e+01	2.233931e-05	1.917148e+00
## 774	Malaysia cum	6	1.046279e+01	1.158796e-05	1.903552e+00
## 775	Malaysia bloody	709	6.732626e+02	9.295481e-05	1.896972e+00
## 776	India boner	11	1.661231e+01	1.457303e-05	1.896067e+00
## 777	Ghana turd	9	1.417625e+01	1.344066e-05	1.890032e+00
## 778	Pakistan fart	53	6.399043e+01	2.854145e-05	1.887618e+00
## 779	New Zealand cum	28	2.164102e+01	1.651205e-05	1.868516e+00
## 780	Canada turd	116	1.022621e+02	3.567992e-05	1.845541e+00
## 781	New Zealand nympho	7	1.163104e+01	1.202488e-05	1.843903e+00
## 782	Singapore dildo	20	1.479109e+01	1.352550e-05	1.834402e+00
## 783	Sri Lanka dildo	5	9.048357e+00	1.051183e-05	1.811290e+00
## 784	Sri Lanka jap	26	1.999024e+01	1.560518e-05	1.806741e+00
## 785	United States kike	11	7.357604e+00	9.457683e-06	1.803175e+00
## 786	Nigeria tranny	12	8.197127e+00	9.874392e-06	1.764258e+00
## 787	Philippines prick	54	6.464216e+01	2.763707e-05	1.752040e+00
## 788	Hong Kong pikey	1	2.888041e-01	1.846625e-06	1.751359e+00
## 789	Bangladesh pedo	32	2.536487e+01	1.722928e-05	1.735664e+00
## 790	Hong Kong sod	1	3.437701e+00	6.329560e-06	1.728593e+00
## 791	Malaysia dork	15	2.098435e+01	1.553925e-05	1.706627e+00
## 792	Tanzania jackass	5	8.883908e+00	1.008482e-05	1.697985e+00
## 793	Ireland gook	5	2.827039e+00	5.642147e-06	1.670214e+00

## 794	South Africa cum	4	7.545518e+00	9.206138e-06	1.665982e+00
## 795	Jamaica eff	10	6.676857e+00	8.628709e-06	1.653964e+00
## 796	Singapore eff	5	8.799480e+00	9.865596e-06	1.640557e+00
## 797	Pakistan dildo	5	8.763479e+00	9.772117e-06	1.616227e+00
## 798	Pakistan jackass	12	1.727807e+01	1.370515e-05	1.612334e+00
## 799	Ghana dork	5	8.695741e+00	9.596230e-06	1.570712e+00
## 800	Jamaica pecker	1	3.237772e+00	5.810437e-06	1.546627e+00
## 801	Nigeria pecker	1	3.235267e+00	5.803932e-06	1.544360e+00
## 802	Kenya puke	37	3.018314e+01	1.770141e-05	1.539589e+00
## 803	New Zealand frig	65	7.578411e+01	2.800650e-05	1.534582e+00
## 804	United States queef	13	1.821883e+01	1.355136e-05	1.494946e+00
## 805	New Zealand spastic	12	1.698050e+01	1.293247e-05	1.460817e+00
## 806	Sri Lanka shit	2	4.585042e+00	6.712156e-06	1.457444e+00
## 807	Canada retard	161	1.770552e+02	4.170666e-05	1.455875e+00
## 808	South Africa pussy	89	7.832361e+01	2.772695e-05	1.455313e+00
## 809	Sri Lanka slut	48	5.710339e+01	2.364050e-05	1.451256e+00
## 810	Philippines cum	5	8.506386e+00	9.104552e-06	1.445355e+00
## 811	Ireland poofter	2	4.552012e+00	6.626392e-06	1.430744e+00
## 812	Philippines jerk	19	1.446404e+01	1.177808e-05	1.422487e+00
## 813	Bangladesh jackass	6	9.675034e+00	9.542487e-06	1.395951e+00
## 814	Hong Kong prick	45	3.780539e+01	1.868267e-05	1.369180e+00
## 815	New Zealand fuck	3005	3.069662e+03	1.692430e-04	1.362077e+00
## 816	Tanzania jerk	9	6.115685e+00	7.489260e-06	1.360318e+00
## 817	Australia queef	1	3.025625e+00	5.259588e-06	1.356135e+00
## 818	Sri Lanka slag	18	2.365557e+01	1.468562e-05	1.352133e+00
## 819	Ghana jap	8	1.200029e+01	1.038709e-05	1.333492e+00
## 820	Nigeria spastic	4	7.023714e+00	7.851233e-06	1.301711e+00
## 821	Sri Lanka knob	1	3.381299e-01	1.718551e-06	1.295573e+00
## 822	Jamaica darkie	4	2.281539e+00	4.462020e-06	1.294349e+00
## 823	Jamaica frig	25	3.137116e+01	1.654411e-05	1.293918e+00
## 824	Malaysia jerk	13	1.779065e+01	1.243954e-05	1.290024e+00
## 825	Ghana jackass	7	1.070932e+01	9.631541e-06	1.284775e+00
## 826	Pakistan jerk	8	1.189423e+01	1.011170e-05	1.274990e+00
## 827	Sri Lanka pimp	68	5.930799e+01	2.257232e-05	1.273875e+00
## 828	Kenya cunt	43	3.624802e+01	1.753320e-05	1.257701e+00
## 829	Jamaica tranny	5	8.203475e+00	8.318018e-06	1.250964e+00
## 830	Hong Kong fart	53	4.550994e+01	1.945028e-05	1.232719e+00
## 831	Ireland lesbo	1	2.874955e+00	4.868367e-06	1.222786e+00
## 832	Ireland cum	20	2.558710e+01	1.450790e-05	1.219977e+00
## 833	Sri Lanka fart	75	6.607059e+01	2.318924e-05	1.206805e+00
## 834	Malaysia frig	30	3.663934e+01	1.724073e-05	1.203102e+00
## 835	Sri Lanka prick	63	5.488525e+01	2.107299e-05	1.199760e+00
## 836	Ireland tits	6	9.343603e+00	8.681896e-06	1.196507e+00
## 837	Jamaica kike	1	3.522965e-01	1.681767e-06	1.190815e+00
## 838	Ireland fuck	3695	3.629391e+03	1.719749e-04	1.186024e+00
## 839	Hong Kong skank	4	6.838136e+00	7.369368e-06	1.177955e+00
## 840	Great Britain dick	10	7.107441e+00	7.510685e-06	1.177203e+00
## 841	New Zealand tranny	15	1.981734e+01	1.250890e-05	1.171034e+00
## 842	South Africa puke	46	3.923952e+01	1.755541e-05	1.164746e+00
## 843	Nigeria nonce	6	3.889025e+00	5.481213e-06	1.145843e+00
## 844	Philippines lesbo	2	9.557737e-01	2.711346e-06	1.140865e+00
## 845	Kenya nympho	5	3.119395e+00	4.883041e-06	1.133769e+00
## 846	South Africa arse(hole)	13	1.743665e+01	1.152030e-05	1.128877e+00
## 847	Nigeria skank	16	1.230407e+01	9.596806e-06	1.110192e+00

## 848	Malaysia arse(hole)	19	2.417805e+01	1.344567e-05	1.108947e+00
## 849	Canada darkie	5	7.965435e+00	7.699929e-06	1.103996e+00
## 850	South Africa pecker	1	2.727125e+00	4.484523e-06	1.093812e+00
## 851	New Zealand hoe	1	2.715259e+00	4.453712e-06	1.083548e+00
## 852	Hong Kong shit	5	3.158213e+00	4.782250e-06	1.074082e+00
## 853	Philippines spastic	4	6.674486e+00	6.944440e-06	1.071675e+00
## 854	Ireland jiss	10	7.235303e+00	7.178686e-06	1.056424e+00
## 855	Ireland pussy	249	2.655979e+02	4.312632e-05	1.037248e+00
## 856	Tanzania frig	9	1.259508e+01	9.334944e-06	1.026161e+00
## 857	South Africa fag(got)	42	4.901761e+01	1.822358e-05	1.004676e+00
## 858	Bangladesh nonce	3	1.701750e+00	3.370929e-06	9.904239e-01
## 859	Nigeria cum	6	8.951464e+00	7.663670e-06	9.731523e-01
## 860	Philippines pimp	78	6.985113e+01	2.116243e-05	9.506517e-01
## 861	Tanzania jiss	2	1.017036e+00	2.552279e-06	9.500344e-01
## 862	Australia dildo	45	3.892583e+01	1.577322e-05	9.478427e-01
## 863	Ghana fag(got)	23	2.816576e+01	1.341390e-05	9.474291e-01
## 864	South Africa sod	3	5.214038e+00	5.748839e-06	9.401472e-01
## 865	Australia pecker	8	1.122972e+01	8.386239e-06	9.288842e-01
## 866	Nigeria jiss	1	2.531219e+00	3.975845e-06	9.262856e-01
## 867	Hong Kong pimp	47	4.085181e+01	1.596550e-05	9.253016e-01
## 868	Nigeria dildo	8	1.121447e+01	8.346643e-06	9.213845e-01
## 869	Great Britain eff	107	9.754350e+01	2.456008e-05	9.167749e-01
## 870	Great Britain spastic	93	1.026903e+02	2.516754e-05	9.144123e-01
## 871	Pakistan fag(got)	39	4.544172e+01	1.672793e-05	9.131637e-01
## 872	Malaysia prick	71	7.950933e+01	2.209909e-05	9.106950e-01
## 873	Singapore pussy	133	1.225515e+02	2.713810e-05	8.908102e-01
## 874	Ghana online	92	1.015072e+02	2.469188e-05	8.904391e-01
## 875	Tanzania sod	1	2.485339e+00	3.856716e-06	8.876985e-01
## 876	Tanzania tranny	5	3.293579e+00	4.430769e-06	8.841058e-01
## 877	Australia jiss	6	8.785949e+00	7.233898e-06	8.834007e-01
## 878	Tanzania lesbo	1	4.041201e-01	1.547207e-06	8.786318e-01
## 879	Ireland eff	15	1.907053e+01	1.056969e-05	8.688403e-01
## 880	Pakistan pecker	4	2.528179e+00	3.821618e-06	8.568454e-01
## 881	Jamaica jiss	4	2.533179e+00	3.808633e-06	8.493526e-01
## 882	India dildo	13	1.676265e+01	9.770169e-06	8.445884e-01
## 883	India jiss	2	3.783498e+00	4.630909e-06	8.407208e-01
## 884	Great Britain pecker	41	4.730124e+01	1.636323e-05	8.394214e-01
## 885	Malaysia pecker	2	3.781494e+00	4.625704e-06	8.392767e-01
## 886	New Zealand pussy	211	2.246371e+02	3.542936e-05	8.278658e-01
## 887	Canada bullshit	1	2.401344e+00	3.638621e-06	8.177779e-01
## 888	Nigeria eff	9	6.671690e+00	6.045575e-06	8.125418e-01
## 889	Nigeria fart	90	8.188745e+01	2.106876e-05	8.037060e-01
## 890	Sri Lanka sod	3	4.990798e+00	5.169185e-06	7.941168e-01
## 891	Hong Kong eff	2	3.707872e+00	4.434543e-06	7.866581e-01
## 892	Canada pimp	271	2.568267e+02	3.682556e-05	7.821689e-01
## 893	Canada jackass	85	7.725301e+01	2.011914e-05	7.768743e-01
## 894	Nigeria whore	117	1.078702e+02	2.371231e-05	7.727243e-01
## 895	Hong Kong fuck	729	7.056603e+02	6.071296e-05	7.719616e-01
## 896	Hong Kong piss	96	1.049104e+02	2.314228e-05	7.567954e-01
## 897	Philippines puke	50	4.423639e+01	1.496696e-05	7.509463e-01
## 898	New Zealand jiss	4	6.119465e+00	5.503291e-06	7.340728e-01
## 899	Tanzania puke	15	1.870403e+01	9.617994e-06	7.335220e-01
## 900	Sri Lanka darkie	3	1.839427e+00	3.013449e-06	7.322552e-01
## 901	New Zealand slag	78	7.088043e+01	1.848941e-05	7.151241e-01

## 902	Tanzania shag	10	1.305308e+01	7.927609e-06	7.141073e-01
## 903	Bangladesh lesbo	1	4.401077e-01	1.453765e-06	7.122788e-01
## 904	Australia shit	16	1.972475e+01	9.671822e-06	7.033672e-01
## 905	Canada fanny	2	3.572732e+00	4.083645e-06	6.923234e-01
## 906	Canada lesbo	2	3.514163e+00	3.931568e-06	6.524139e-01
## 907	Australia lesbo	5	3.491106e+00	3.917888e-06	6.521608e-01
## 908	Pakistan prick	59	5.315725e+01	1.517284e-05	6.422034e-01
## 909	Ghana cum	6	4.335692e+00	4.321434e-06	6.388650e-01
## 910	Philippines tranny	10	7.789556e+00	5.739547e-06	6.272583e-01
## 911	Bangladesh slag	10	1.282914e+01	7.346121e-06	6.238946e-01
## 912	Philippines boner	8	1.056130e+01	6.650611e-06	6.211599e-01
## 913	Hong Kong online	108	1.164719e+02	2.200402e-05	6.162280e-01
## 914	Nigeria frig	27	3.134689e+01	1.128763e-05	6.027844e-01
## 915	South Africa jiss	1	2.133658e+00	2.943565e-06	6.023365e-01
## 916	Philippines sod	4	5.878008e+00	4.876334e-06	6.000188e-01
## 917	Australia gook	2	3.432921e+00	3.720619e-06	5.981092e-01
## 918	Tanzania nympho	3	1.933041e+00	2.770378e-06	5.889170e-01
## 919	Bangladesh dork	10	7.855922e+00	5.567223e-06	5.851723e-01
## 920	New Zealand queef	1	2.107366e+00	2.875296e-06	5.818916e-01
## 921	India darkie	2	3.407654e+00	3.655014e-06	5.814821e-01
## 922	Tanzania tosser	7	5.253562e+00	4.534699e-06	5.805674e-01
## 923	Malaysia lesbo	2	1.175594e+00	2.140582e-06	5.781294e-01
## 924	Ghana gook	1	4.790371e-01	1.352685e-06	5.665580e-01
## 925	Australia idiot	2389	2.425969e+03	9.659956e-05	5.633754e-01
## 926	Hong Kong crap	375	3.897831e+02	3.842327e-05	5.606704e-01
## 927	Bangladesh tranny	5	3.586878e+00	3.669214e-06	5.567278e-01
## 928	New Zealand tits	10	7.902621e+00	5.445969e-06	5.566508e-01
## 929	Australia retard	166	1.758935e+02	2.570037e-05	5.564852e-01
## 930	Ghana slag	17	1.420061e+01	7.268903e-06	5.518490e-01
## 931	Ireland nympho	11	1.375187e+01	7.145495e-06	5.506725e-01
## 932	Philippines whore	110	1.025067e+02	1.946149e-05	5.477599e-01
## 933	Jamaica prick	62	6.807710e+01	1.578202e-05	5.424901e-01
## 934	Ghana lesbo	1	4.871564e-01	1.331603e-06	5.398853e-01
## 935	United States fanny	18	2.137209e+01	8.756129e-06	5.320478e-01
## 936	Hong Kong tranny	3	4.555652e+00	4.039307e-06	5.312200e-01
## 937	United States hoe	27	2.347426e+01	9.155163e-06	5.295522e-01
## 938	Bangladesh hoe	1	4.914536e-01	1.320445e-06	5.262337e-01
## 939	Singapore dike	55	4.994479e+01	1.312760e-05	5.116689e-01
## 940	Philippines fag(got)	50	5.525965e+01	1.365867e-05	5.006171e-01
## 941	Sri Lanka spastic	4	5.667058e+00	4.328589e-06	4.903924e-01
## 942	Kenya skank	6	7.977826e+00	5.135542e-06	4.903335e-01
## 943	South Africa damn	614	5.969437e+02	4.435543e-05	4.873426e-01
## 944	New Zealand dork	48	4.340362e+01	1.193586e-05	4.867490e-01
## 945	Tanzania boner	3	4.465527e+00	3.805294e-06	4.809669e-01
## 946	Ghana shag	13	1.573515e+01	7.102126e-06	4.754357e-01
## 947	Ghana prick	29	3.294801e+01	1.025191e-05	4.730721e-01
## 948	Kenya boner	9	7.206129e+00	4.657884e-06	4.465607e-01
## 949	Great Britain jiss	33	3.700771e+01	1.040704e-05	4.340104e-01
## 950	New Zealand pecker	6	7.821568e+00	4.729808e-06	4.242257e-01
## 951	Tanzania slag	14	1.178010e+01	5.764154e-06	4.183281e-01
## 952	Great Britain bullshit	8	1.004845e+01	5.318953e-06	4.175918e-01
## 953	South Africa pimp	67	6.196086e+01	1.308627e-05	4.098230e-01
## 954	India online	302	3.132536e+02	2.924383e-05	4.042845e-01
## 955	Pakistan pussy	78	7.260981e+01	1.399829e-05	4.001404e-01

## 956	South Africa jap	18	2.088441e+01	7.489796e-06	3.983751e-01
## 957	Philippines tits	2	3.106265e+00	2.872445e-06	3.939849e-01
## 958	Ireland twat	101	9.492143e+01	1.578694e-05	3.892593e-01
## 959	Bangladesh nympho	3	2.105182e+00	2.323413e-06	3.803470e-01
## 960	Hong Kong puke	29	2.587126e+01	8.124337e-06	3.783741e-01
## 961	Australia damn	2428	2.458088e+03	7.862418e-05	3.682773e-01
## 962	Pakistan puke	40	3.637695e+01	9.408151e-06	3.608458e-01
## 963	Kenya jerk	8	9.869027e+00	4.853064e-06	3.539622e-01
## 964	India jerk	20	2.275110e+01	7.143673e-06	3.326678e-01
## 965	Hong Kong twat	16	1.845552e+01	6.376065e-06	3.267075e-01
## 966	Canada sod	19	2.161210e+01	6.782714e-06	3.157059e-01
## 967	United States pecker	63	6.761988e+01	1.199766e-05	3.156366e-01
## 968	Great Britain nympho	75	7.033916e+01	1.210412e-05	3.088389e-01
## 969	Hong Kong ass(hole)	83	7.812617e+01	1.265748e-05	3.040489e-01
## 970	Pakistan nonce	4	3.039054e+00	2.495121e-06	3.038502e-01
## 971	Singapore tranny	9	1.081142e+01	4.703497e-06	3.034981e-01
## 972	Great Britain dildo	157	1.639613e+02	1.808277e-05	2.955563e-01
## 973	United States jiss	49	5.290467e+01	1.013990e-05	2.881878e-01
## 974	Canada dick	1	1.698512e+00	1.813698e-06	2.872626e-01
## 975	India pecker	6	4.835862e+00	3.022729e-06	2.802432e-01
## 976	Australia dick	1	1.687368e+00	1.784762e-06	2.800068e-01
## 977	Hong Kong whore	64	5.995015e+01	1.051710e-05	2.735825e-01
## 978	Philippines frig	27	2.978828e+01	7.240347e-06	2.609923e-01
## 979	Singapore retard	71	6.683625e+01	1.081308e-05	2.593925e-01
## 980	Kenya sod	3	4.010651e+00	2.624188e-06	2.546757e-01
## 981	India tits	6	4.885974e+00	2.892610e-06	2.540032e-01
## 982	Nigeria darkie	3	2.279773e+00	1.870083e-06	2.275341e-01
## 983	Sri Lanka pedo	50	4.677013e+01	8.387384e-06	2.230491e-01
## 984	Nigeria poofter	1	1.592489e+00	1.538407e-06	2.204367e-01
## 985	Bangladesh cum	3	3.916959e+00	2.380912e-06	2.146597e-01
## 986	Nigeria jerk	17	1.522084e+01	4.619780e-06	2.079654e-01
## 987	Sri Lanka cum	6	7.222456e+00	3.174172e-06	2.069099e-01
## 988	Ghana shit	2	2.752434e+00	1.953712e-06	2.056930e-01
## 989	Ghana pecker	1	1.567020e+00	1.472276e-06	2.051738e-01
## 990	Tanzania nonce	1	1.562598e+00	1.460794e-06	2.025578e-01
## 991	South Africa pedo	52	4.886217e+01	8.148414e-06	2.015045e-01
## 992	India cum	15	1.338005e+01	4.206347e-06	1.961299e-01
## 993	Great Britain tranny	115	1.198462e+02	1.258699e-05	1.959615e-01
## 994	Sri Lanka dike	33	3.055342e+01	6.353058e-06	1.959108e-01
## 995	Hong Kong arse(hole)	10	1.149627e+01	3.885183e-06	1.947429e-01
## 996	Sri Lanka jackass	16	1.783974e+01	4.777106e-06	1.897241e-01
## 997	India fanny	1	1.528433e+00	1.372085e-06	1.826979e-01
## 998	South Africa whore	95	9.092773e+01	1.057617e-05	1.823797e-01
## 999	Singapore hoe	2	1.481319e+00	1.346762e-06	1.816148e-01
## 1000	Tanzania skank	4	4.943736e+00	2.450448e-06	1.801549e-01
## 1001	Malaysia tits	3	3.820680e+00	2.130922e-06	1.762817e-01
## 1002	India slut	110	1.057876e+02	1.094050e-05	1.677344e-01
## 1003	Australia frig	113	1.088061e+02	1.089249e-05	1.616506e-01
## 1004	Kenya darkie	1	1.478180e+00	1.241603e-06	1.546877e-01
## 1005	Ireland cock	386	3.785357e+02	1.940010e-05	1.471866e-01
## 1006	Nigeria twat	31	3.320758e+01	5.732496e-06	1.467563e-01
## 1007	Sri Lanka pecker	2	2.610363e+00	1.584822e-06	1.427170e-01
## 1008	Australia knob	1	1.454627e+00	1.180447e-06	1.420887e-01
## 1009	South Africa shit	4	4.790132e+00	2.051608e-06	1.303323e-01

## 1010	Hong Kong retard	30	2.816306e+01	4.769972e-06	1.198146e-01
## 1011	Hong Kong jiss	1	1.406756e+00	1.056147e-06	1.176111e-01
## 1012	Australia turd	105	1.015912e+02	8.853369e-06	1.143809e-01
## 1013	Ireland nonce	10	1.111649e+01	2.899062e-06	1.121356e-01
## 1014	New Zealand turd	68	7.075885e+01	7.164685e-06	1.075661e-01
## 1015	Ghana spastic	4	3.401975e+00	1.552788e-06	1.051252e-01
## 1016	Kenya eff	5	4.325851e+00	1.750451e-06	1.050607e-01
## 1017	Bangladesh prick	28	2.976595e+01	4.585656e-06	1.047701e-01
## 1018	Tanzania cum	3	3.596669e+00	1.549269e-06	9.898440e-02
## 1019	Ireland queef	2	2.491628e+00	1.276522e-06	9.700393e-02
## 1020	Bangladesh shit	2	2.486609e+00	1.263490e-06	9.522522e-02
## 1021	Tanzania jap	9	9.954826e+00	2.479275e-06	9.158299e-02
## 1022	New Zealand fanny	2	2.472102e+00	1.225823e-06	9.015816e-02
## 1023	South Africa poofter	1	1.342367e+00	8.889621e-07	8.731996e-02
## 1024	Canada gook	4	3.455593e+00	1.413568e-06	8.576782e-02
## 1025	New Zealand lesbo	2	2.431576e+00	1.120596e-06	7.659950e-02
## 1026	Australia tranny	27	2.845251e+01	3.771732e-06	7.415123e-02
## 1027	Kenya dildo	8	7.271343e+00	1.891999e-06	7.301837e-02
## 1028	Singapore gook	1	1.304445e+00	7.904971e-07	7.105475e-02
## 1029	India queef	1	1.302927e+00	7.865531e-07	7.042951e-02
## 1030	Tanzania damn	289	2.845410e+02	1.158641e-05	6.987674e-02
## 1031	Pakistan gook	1	7.728629e-01	5.897640e-07	6.675346e-02
## 1032	Philippines dork	16	1.706056e+01	2.753874e-06	6.592922e-02
## 1033	India pikey	1	7.767447e-01	5.796849e-07	6.416903e-02
## 1034	New Zealand gook	2	2.391049e+00	1.015368e-06	6.395501e-02
## 1035	Sri Lanka poofter	1	1.284894e+00	7.397308e-07	6.316823e-02
## 1036	India hoe	2	1.678771e+00	8.340773e-07	6.146656e-02
## 1037	Ireland whore	304	3.083389e+02	1.127503e-05	6.105669e-02
## 1038	Canada pussy	329	3.246501e+02	1.130418e-05	5.828427e-02
## 1039	Australia fanny	4	3.549291e+00	1.170280e-06	5.723364e-02
## 1040	Australia online	721	7.274301e+02	1.672726e-05	5.683785e-02
## 1041	Kenya pedo	39	3.758491e+01	3.674655e-06	5.327905e-02
## 1042	Pakistan fanny	1	7.990616e-01	5.217387e-07	5.052956e-02
## 1043	Hong Kong shag	19	1.805492e+01	2.454031e-06	4.947038e-02
## 1044	Malaysia bullshit	1	8.033225e-01	5.106753e-07	4.815257e-02
## 1045	New Zealand darkie	5	5.511571e+00	1.328317e-06	4.748287e-02
## 1046	Ghana nympho	2	2.330231e+00	8.574528e-07	4.679911e-02
## 1047	Singapore jackass	28	2.916209e+01	3.017614e-06	4.630888e-02
## 1048	Sri Lanka lesbo	1	8.115119e-01	4.894115e-07	4.377974e-02
## 1049	Pakistan shit	4	4.440687e+00	1.144259e-06	4.373305e-02
## 1050	Ireland spastic	21	2.007677e+01	2.397301e-06	4.245488e-02
## 1051	Tanzania whore	42	4.334188e+01	3.484603e-06	4.154536e-02
## 1052	Ireland darkie	6	6.516564e+00	1.341285e-06	4.094777e-02
## 1053	Philippines dildo	10	1.065688e+01	1.705632e-06	4.048910e-02
## 1054	Ireland fart	231	2.340692e+02	7.974155e-06	4.024560e-02
## 1055	Hong Kong nympho	3	2.673767e+00	8.470711e-07	3.980444e-02
## 1056	United States pimp	1544	1.536338e+03	1.997480e-05	3.821448e-02
## 1057	Sri Lanka fanny	1	8.250371e-01	4.542932e-07	3.710382e-02
## 1058	Malaysia fanny	1	1.195187e+00	5.068060e-07	3.187619e-02
## 1059	Australia eff	24	2.315767e+01	2.187252e-06	3.063883e-02
## 1060	Bangladesh slut	30	3.096891e+01	2.515988e-06	3.031397e-02
## 1061	India puke	71	6.958129e+01	3.684361e-06	2.892653e-02
## 1062	Ireland dike	110	1.082421e+02	4.565807e-06	2.855067e-02
## 1063	Pakistan darkie	2	1.781514e+00	5.673016e-07	2.679515e-02

## 1064	Pakistan tranny	6	6.405592e+00	1.053140e-06	2.568149e-02
## 1065	Canada nonce	13	1.358810e+01	1.527047e-06	2.545289e-02
## 1066	Philippines nonce	4	3.695658e+00	7.902323e-07	2.506287e-02
## 1067	United States retard	1054	1.059145e+03	1.339476e-05	2.498872e-02
## 1068	South Africa nonce	3	3.278203e+00	7.223608e-07	2.360949e-02
## 1069	Canada skank	42	4.298992e+01	2.570627e-06	2.279482e-02
## 1070	Hong Kong pecker	2	1.798039e+00	5.243964e-07	2.268495e-02
## 1071	Jamaica tits	3	3.271324e+00	7.045014e-07	2.250372e-02
## 1072	South Africa fanny	1	8.619412e-01	3.584713e-07	2.211315e-02
## 1073	Hong Kong frig	18	1.742141e+01	1.502379e-06	1.921579e-02
## 1074	Nigeria queef	1	8.716781e-01	3.331893e-07	1.889059e-02
## 1075	Kenya tranny	5	5.314928e+00	8.177225e-07	1.866053e-02
## 1076	Philippines eff	6	6.339966e+00	8.827373e-07	1.822986e-02
## 1077	Pakistan hoe	1	8.776578e-01	3.176628e-07	1.705403e-02
## 1078	Canada cum	32	3.127605e+01	1.879899e-06	1.675746e-02
## 1079	Singapore pecker	4	4.267084e+00	6.934937e-07	1.671728e-02
## 1080	Ghana eff	3	3.231471e+00	6.010200e-07	1.658028e-02
## 1081	Canada tits	11	1.142103e+01	1.093235e-06	1.552094e-02
## 1082	Kenya fart	54	5.309493e+01	2.350341e-06	1.542803e-02
## 1083	Pakistan nympho	4	3.759519e+00	6.244152e-07	1.538252e-02
## 1084	Hong Kong poofter	1	8.850449e-01	2.984822e-07	1.493108e-02
## 1085	Ireland hoe	3	3.210366e+00	5.462218e-07	1.378471e-02
## 1086	Nigeria hoe	1	1.123124e+00	3.196923e-07	1.349757e-02
## 1087	Kenya twat	21	2.153143e+01	1.379950e-06	1.311676e-02
## 1088	Hong Kong nonce	2	2.161373e+00	4.190078e-07	1.204845e-02
## 1089	Singapore pimp	98	9.694904e+01	2.729508e-06	1.139274e-02
## 1090	Ireland wank	112	1.130816e+02	2.809098e-06	1.034448e-02
## 1091	Singapore bullshit	1	9.064791e-01	2.428282e-07	9.648503e-03
## 1092	Ghana puke	23	2.254722e+01	1.175711e-06	9.092407e-03
## 1093	Ireland dork	52	5.131794e+01	1.771196e-06	9.065044e-03
## 1094	Philippines fart	77	7.781591e+01	2.118944e-06	8.554930e-03
## 1095	Tanzania darkie	1	9.160056e-01	2.180923e-07	7.701975e-03
## 1096	Kenya tits	2	2.119450e+00	3.101534e-07	6.732039e-03
## 1097	Sri Lanka nonce	3	3.137846e+00	3.579205e-07	6.055584e-03
## 1098	India nonce	6	5.813057e+00	4.854064e-07	6.011943e-03
## 1099	Hong Kong boner	6	6.176682e+00	4.587627e-07	5.053922e-03
## 1100	Great Britain kike	5	5.146767e+00	3.810877e-07	4.185286e-03
## 1101	Great Britain poofter	23	2.328300e+01	7.348445e-07	3.439703e-03
## 1102	Jamaica nonce	4	3.892037e+00	2.803286e-07	2.994819e-03
## 1103	Bangladesh damn	309	3.098798e+02	2.286333e-06	2.498089e-03
## 1104	Philippines pecker	3	3.074405e+00	1.931958e-07	1.800730e-03
## 1105	Bangladesh dildo	5	4.907201e+00	2.409565e-07	1.754906e-03
## 1106	South Africa dork	15	1.513343e+01	3.464566e-07	1.176380e-03
## 1107	Sri Lanka jiss	2	2.042305e+00	1.098454e-07	8.763147e-04
## 1108	Malaysia jiss	3	2.958578e+00	1.075534e-07	5.799362e-04
## 1109	Nigeria fanny	1	1.022545e+00	5.853956e-08	4.970906e-04
## 1110	Ghana skank	6	5.959546e+00	1.050395e-07	2.745998e-04
## 1111	South Africa dike	32	3.192008e+01	2.075176e-07	2.000761e-04
## 1112	New Zealand jap	60	5.989781e+01	2.653732e-07	1.743370e-04
## 1113	Philippines pedo	55	5.508443e+01	2.192423e-07	1.293949e-04
## 1114	Singapore darkie	3	3.006857e+00	1.780534e-08	1.563877e-05
##	p.chisq sig.chisq		z		p.z sig.z
## 1	0.000000e+00	TRUE	65.025371909	0.000000e+00	TRUE
## 2	0.000000e+00	TRUE	62.285395244	0.000000e+00	TRUE

## 3	0.000000e+00	TRUE	45.325756653	0.000000e+00	TRUE
## 4	0.000000e+00	TRUE	43.954852024	0.000000e+00	TRUE
## 5	8.891045e-09	TRUE	38.917110918	0.000000e+00	TRUE
## 6	1.066041e-03	FALSE	37.055278708	0.000000e+00	TRUE
## 7	9.999998e-01	FALSE	31.354948879	0.000000e+00	TRUE
## 8	1.000000e+00	FALSE	30.516163513	0.000000e+00	TRUE
## 9	1.000000e+00	FALSE	29.559485804	0.000000e+00	TRUE
## 10	1.000000e+00	FALSE	29.321085683	0.000000e+00	TRUE
## 11	1.000000e+00	FALSE	28.703163609	0.000000e+00	TRUE
## 12	1.000000e+00	FALSE	27.464157811	0.000000e+00	TRUE
## 13	1.000000e+00	FALSE	25.540342858	0.000000e+00	TRUE
## 14	1.000000e+00	FALSE	24.706489996	0.000000e+00	TRUE
## 15	1.000000e+00	FALSE	23.794075363	0.000000e+00	TRUE
## 16	1.000000e+00	FALSE	23.661843371	0.000000e+00	TRUE
## 17	1.000000e+00	FALSE	23.392718622	0.000000e+00	TRUE
## 18	1.000000e+00	FALSE	21.597086999	0.000000e+00	TRUE
## 19	1.000000e+00	FALSE	21.429269693	0.000000e+00	TRUE
## 20	1.000000e+00	FALSE	21.086495768	0.000000e+00	TRUE
## 21	1.000000e+00	FALSE	21.035666213	0.000000e+00	TRUE
## 22	1.000000e+00	FALSE	21.023889714	0.000000e+00	TRUE
## 23	1.000000e+00	FALSE	21.006152941	0.000000e+00	TRUE
## 24	1.000000e+00	FALSE	20.981416071	0.000000e+00	TRUE
## 25	1.000000e+00	FALSE	20.865991503	0.000000e+00	TRUE
## 26	1.000000e+00	FALSE	20.592614472	0.000000e+00	TRUE
## 27	1.000000e+00	FALSE	20.237834681	0.000000e+00	TRUE
## 28	1.000000e+00	FALSE	20.184502413	0.000000e+00	TRUE
## 29	1.000000e+00	FALSE	19.738199175	0.000000e+00	TRUE
## 30	1.000000e+00	FALSE	19.443741227	0.000000e+00	TRUE
## 31	1.000000e+00	FALSE	19.299233336	0.000000e+00	TRUE
## 32	1.000000e+00	FALSE	19.292876763	0.000000e+00	TRUE
## 33	1.000000e+00	FALSE	19.181612780	0.000000e+00	TRUE
## 34	1.000000e+00	FALSE	18.933579927	0.000000e+00	TRUE
## 35	1.000000e+00	FALSE	18.473010989	0.000000e+00	TRUE
## 36	1.000000e+00	FALSE	18.294718404	0.000000e+00	TRUE
## 37	1.000000e+00	FALSE	17.995278456	0.000000e+00	TRUE
## 38	1.000000e+00	FALSE	17.885716806	0.000000e+00	TRUE
## 39	1.000000e+00	FALSE	17.729976211	0.000000e+00	TRUE
## 40	1.000000e+00	FALSE	17.622483904	0.000000e+00	TRUE
## 41	1.000000e+00	FALSE	17.401751252	0.000000e+00	TRUE
## 42	1.000000e+00	FALSE	17.009159177	0.000000e+00	TRUE
## 43	1.000000e+00	FALSE	16.917488207	0.000000e+00	TRUE
## 44	1.000000e+00	FALSE	16.786868492	0.000000e+00	TRUE
## 45	1.000000e+00	FALSE	15.830890258	0.000000e+00	TRUE
## 46	1.000000e+00	FALSE	15.760335681	0.000000e+00	TRUE
## 47	1.000000e+00	FALSE	15.491886721	0.000000e+00	TRUE
## 48	1.000000e+00	FALSE	15.423039177	0.000000e+00	TRUE
## 49	1.000000e+00	FALSE	15.313922403	0.000000e+00	TRUE
## 50	1.000000e+00	FALSE	15.192256270	0.000000e+00	TRUE
## 51	1.000000e+00	FALSE	15.134744108	0.000000e+00	TRUE
## 52	1.000000e+00	FALSE	14.851821652	0.000000e+00	TRUE
## 53	1.000000e+00	FALSE	14.846516220	0.000000e+00	TRUE
## 54	1.000000e+00	FALSE	14.755523767	0.000000e+00	TRUE
## 55	1.000000e+00	FALSE	14.624462235	0.000000e+00	TRUE
## 56	1.000000e+00	FALSE	14.622934202	0.000000e+00	TRUE



## 57	1.000000e+00	FALSE	14.478664518	0.000000e+00	TRUE
## 58	1.000000e+00	FALSE	14.465617543	0.000000e+00	TRUE
## 59	1.000000e+00	FALSE	14.365880740	0.000000e+00	TRUE
## 60	1.000000e+00	FALSE	13.963713495	0.000000e+00	TRUE
## 61	1.000000e+00	FALSE	13.923727010	0.000000e+00	TRUE
## 62	1.000000e+00	FALSE	13.889225354	0.000000e+00	TRUE
## 63	1.000000e+00	FALSE	13.637778686	0.000000e+00	TRUE
## 64	1.000000e+00	FALSE	13.298152221	0.000000e+00	TRUE
## 65	1.000000e+00	FALSE	13.283643172	0.000000e+00	TRUE
## 66	1.000000e+00	FALSE	13.204225056	0.000000e+00	TRUE
## 67	1.000000e+00	FALSE	13.143483297	0.000000e+00	TRUE
## 68	1.000000e+00	FALSE	13.117043396	0.000000e+00	TRUE
## 69	1.000000e+00	FALSE	12.975428284	0.000000e+00	TRUE
## 70	1.000000e+00	FALSE	12.961020998	0.000000e+00	TRUE
## 71	1.000000e+00	FALSE	12.940633565	0.000000e+00	TRUE
## 72	1.000000e+00	FALSE	12.792904609	0.000000e+00	TRUE
## 73	1.000000e+00	FALSE	12.669890078	0.000000e+00	TRUE
## 74	1.000000e+00	FALSE	12.540559852	0.000000e+00	TRUE
## 75	1.000000e+00	FALSE	12.518446183	0.000000e+00	TRUE
## 76	1.000000e+00	FALSE	12.509913134	0.000000e+00	TRUE
## 77	1.000000e+00	FALSE	12.459512389	0.000000e+00	TRUE
## 78	1.000000e+00	FALSE	12.383300357	0.000000e+00	TRUE
## 79	1.000000e+00	FALSE	12.038889931	0.000000e+00	TRUE
## 80	1.000000e+00	FALSE	12.014719373	0.000000e+00	TRUE
## 81	1.000000e+00	FALSE	11.826623109	0.000000e+00	TRUE
## 82	1.000000e+00	FALSE	11.710187495	0.000000e+00	TRUE
## 83	1.000000e+00	FALSE	11.649862556	0.000000e+00	TRUE
## 84	1.000000e+00	FALSE	11.625481180	0.000000e+00	TRUE
## 85	1.000000e+00	FALSE	11.525421628	0.000000e+00	TRUE
## 86	1.000000e+00	FALSE	11.365476346	0.000000e+00	TRUE
## 87	1.000000e+00	FALSE	11.344753767	0.000000e+00	TRUE
## 88	1.000000e+00	FALSE	11.212734797	0.000000e+00	TRUE
## 89	1.000000e+00	FALSE	11.139050953	0.000000e+00	TRUE
## 90	1.000000e+00	FALSE	11.116538194	0.000000e+00	TRUE
## 91	1.000000e+00	FALSE	11.105065654	0.000000e+00	TRUE
## 92	1.000000e+00	FALSE	11.067904527	0.000000e+00	TRUE
## 93	1.000000e+00	FALSE	10.998933233	0.000000e+00	TRUE
## 94	1.000000e+00	FALSE	10.962568193	0.000000e+00	TRUE
## 95	1.000000e+00	FALSE	10.912925951	0.000000e+00	TRUE
## 96	1.000000e+00	FALSE	10.872595826	0.000000e+00	TRUE
## 97	1.000000e+00	FALSE	10.853668851	0.000000e+00	TRUE
## 98	1.000000e+00	FALSE	10.777735132	0.000000e+00	TRUE
## 99	1.000000e+00	FALSE	10.706166453	0.000000e+00	TRUE
## 100	1.000000e+00	FALSE	10.705306683	0.000000e+00	TRUE
## 101	1.000000e+00	FALSE	10.616698148	0.000000e+00	TRUE
## 102	1.000000e+00	FALSE	10.579374845	0.000000e+00	TRUE
## 103	1.000000e+00	FALSE	10.541901456	0.000000e+00	TRUE
## 104	1.000000e+00	FALSE	10.389556154	0.000000e+00	TRUE
## 105	1.000000e+00	FALSE	10.342453135	0.000000e+00	TRUE
## 106	1.000000e+00	FALSE	10.269400719	0.000000e+00	TRUE
## 107	1.000000e+00	FALSE	10.225397767	0.000000e+00	TRUE
## 108	1.000000e+00	FALSE	10.152887930	0.000000e+00	TRUE
## 109	1.000000e+00	FALSE	10.146166728	0.000000e+00	TRUE
## 110	1.000000e+00	FALSE	10.022354026	0.000000e+00	TRUE

## 111	1.000000e+00	FALSE	10.020713024	0.000000e+00	TRUE
## 112	1.000000e+00	FALSE	10.013696943	0.000000e+00	TRUE
## 113	1.000000e+00	FALSE	9.952813501	0.000000e+00	TRUE
## 114	1.000000e+00	FALSE	9.940777996	0.000000e+00	TRUE
## 115	1.000000e+00	FALSE	9.888599964	0.000000e+00	TRUE
## 116	1.000000e+00	FALSE	9.874114249	0.000000e+00	TRUE
## 117	1.000000e+00	FALSE	9.852890026	0.000000e+00	TRUE
## 118	1.000000e+00	FALSE	9.658205225	0.000000e+00	TRUE
## 119	1.000000e+00	FALSE	9.632708766	0.000000e+00	TRUE
## 120	1.000000e+00	FALSE	9.619349982	0.000000e+00	TRUE
## 121	1.000000e+00	FALSE	9.538320240	0.000000e+00	TRUE
## 122	1.000000e+00	FALSE	9.525574263	0.000000e+00	TRUE
## 123	1.000000e+00	FALSE	9.457197831	0.000000e+00	TRUE
## 124	1.000000e+00	FALSE	9.417460280	0.000000e+00	TRUE
## 125	1.000000e+00	FALSE	9.361764235	0.000000e+00	TRUE
## 126	1.000000e+00	FALSE	9.359850044	0.000000e+00	TRUE
## 127	1.000000e+00	FALSE	9.213173056	0.000000e+00	TRUE
## 128	1.000000e+00	FALSE	9.187576022	0.000000e+00	TRUE
## 129	1.000000e+00	FALSE	9.177900736	0.000000e+00	TRUE
## 130	1.000000e+00	FALSE	9.159175945	0.000000e+00	TRUE
## 131	1.000000e+00	FALSE	9.039154533	0.000000e+00	TRUE
## 132	1.000000e+00	FALSE	9.002192818	0.000000e+00	TRUE
## 133	1.000000e+00	FALSE	8.997788396	0.000000e+00	TRUE
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## 402	1.000000e+00	FALSE	3.771801577	8.103656e-05	FALSE
## 403	1.000000e+00	FALSE	3.764620223	8.340120e-05	FALSE
## 404	1.000000e+00	FALSE	3.742245264	9.119169e-05	FALSE
## 405	1.000000e+00	FALSE	3.740846704	9.170068e-05	FALSE
## 406	1.000000e+00	FALSE	3.730337830	9.561160e-05	FALSE
## 407	1.000000e+00	FALSE	3.707813077	1.045284e-04	FALSE
## 408	1.000000e+00	FALSE	3.691520752	1.114586e-04	FALSE
## 409	1.000000e+00	FALSE	3.684843914	1.144214e-04	FALSE
## 410	1.000000e+00	FALSE	3.677509885	1.177610e-04	FALSE
## 411	1.000000e+00	FALSE	3.676362113	1.182918e-04	FALSE
## 412	1.000000e+00	FALSE	3.671125147	1.207425e-04	FALSE
## 413	1.000000e+00	FALSE	3.656137155	1.280222e-04	FALSE
## 414	1.000000e+00	FALSE	3.653512541	1.293386e-04	FALSE
## 415	1.000000e+00	FALSE	3.648987151	1.316381e-04	FALSE
## 416	1.000000e+00	FALSE	3.632163158	1.405277e-04	FALSE
## 417	1.000000e+00	FALSE	3.624191994	1.449331e-04	FALSE
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## 419	1.000000e+00	FALSE	3.598356565	1.601172e-04	FALSE
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## 425	1.000000e+00	FALSE	3.558684445	1.863585e-04	FALSE
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## 667	1.000000e+00	FALSE	1.884058519	2.977853e-02	FALSE
## 668	1.000000e+00	FALSE	1.880596750	3.001340e-02	FALSE
## 669	1.000000e+00	FALSE	1.874903116	3.040303e-02	FALSE
## 670	1.000000e+00	FALSE	1.870452052	3.071053e-02	FALSE
## 671	1.000000e+00	FALSE	1.863900845	3.116782e-02	FALSE
## 672	1.000000e+00	FALSE	1.854451914	3.183727e-02	FALSE
## 673	1.000000e+00	FALSE	1.849274448	3.220910e-02	FALSE
## 674	1.000000e+00	FALSE	1.846579794	3.240403e-02	FALSE
## 675	1.000000e+00	FALSE	1.845361077	3.249252e-02	FALSE
## 676	1.000000e+00	FALSE	1.825633019	3.395278e-02	FALSE
## 677	1.000000e+00	FALSE	1.818524491	3.449200e-02	FALSE
## 678	1.000000e+00	FALSE	1.817978779	3.453369e-02	FALSE
## 679	1.000000e+00	FALSE	1.808304880	3.527953e-02	FALSE
## 680	1.000000e+00	FALSE	1.805957083	3.546252e-02	FALSE
## 681	1.000000e+00	FALSE	1.803896903	3.562374e-02	FALSE
## 682	1.000000e+00	FALSE	1.801623358	3.580234e-02	FALSE
## 683	1.000000e+00	FALSE	1.799869104	3.594065e-02	FALSE
## 684	1.000000e+00	FALSE	1.794297021	3.638289e-02	FALSE
## 685	1.000000e+00	FALSE	1.790882356	3.665609e-02	FALSE
## 686	1.000000e+00	FALSE	1.786990955	3.696948e-02	FALSE
## 687	1.000000e+00	FALSE	1.786320730	3.702367e-02	FALSE
## 688	1.000000e+00	FALSE	1.782507756	3.733323e-02	FALSE
## 689	1.000000e+00	FALSE	1.779614777	3.756951e-02	FALSE
## 690	1.000000e+00	FALSE	1.778479913	3.766253e-02	FALSE
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## 695	1.000000e+00	FALSE	1.750670690	4.000133e-02	FALSE
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## 920	1.000000e+00	FALSE	0.762818221	2.227859e-01	FALSE



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## 923	1.000000e+00	FALSE	0.760348240	2.235232e-01	FALSE
## 924	1.000000e+00	FALSE	0.752700503	2.258150e-01	FALSE
## 925	1.000000e+00	FALSE	0.750583352	2.264517e-01	FALSE
## 926	1.000000e+00	FALSE	0.748779272	2.269951e-01	FALSE
## 927	1.000000e+00	FALSE	0.746141913	2.277908e-01	FALSE
## 928	1.000000e+00	FALSE	0.746090344	2.278064e-01	FALSE
## 929	1.000000e+00	FALSE	0.745979337	2.278399e-01	FALSE
## 930	1.000000e+00	FALSE	0.742865419	2.287816e-01	FALSE
## 931	1.000000e+00	FALSE	0.742073093	2.290215e-01	FALSE
## 932	1.000000e+00	FALSE	0.740108011	2.296172e-01	FALSE
## 933	1.000000e+00	FALSE	0.736539263	2.307013e-01	FALSE
## 934	1.000000e+00	FALSE	0.734768879	2.312401e-01	FALSE
## 935	1.000000e+00	FALSE	0.729416040	2.328736e-01	FALSE
## 936	1.000000e+00	FALSE	0.728848439	2.330472e-01	FALSE
## 937	1.000000e+00	FALSE	0.727703374	2.333976e-01	FALSE
## 938	1.000000e+00	FALSE	0.725419660	2.340973e-01	FALSE
## 939	1.000000e+00	FALSE	0.715310383	2.372086e-01	FALSE
## 940	1.000000e+00	FALSE	0.707542977	2.396146e-01	FALSE
## 941	1.000000e+00	FALSE	0.700280210	2.418762e-01	FALSE
## 942	1.000000e+00	FALSE	0.700238155	2.418893e-01	FALSE
## 943	1.000000e+00	FALSE	0.698099298	2.425575e-01	FALSE
## 944	1.000000e+00	FALSE	0.697673989	2.426905e-01	FALSE
## 945	1.000000e+00	FALSE	0.693517759	2.439923e-01	FALSE
## 946	1.000000e+00	FALSE	0.689518438	2.452485e-01	FALSE
## 947	1.000000e+00	FALSE	0.687802368	2.457886e-01	FALSE
## 948	1.000000e+00	FALSE	0.668251973	2.519864e-01	FALSE
## 949	1.000000e+00	FALSE	0.658794678	2.550138e-01	FALSE
## 950	1.000000e+00	FALSE	0.651326133	2.574180e-01	FALSE
## 951	1.000000e+00	FALSE	0.646782868	2.588862e-01	FALSE
## 952	1.000000e+00	FALSE	0.646213433	2.590706e-01	FALSE
## 953	1.000000e+00	FALSE	0.640174170	2.610297e-01	FALSE
## 954	1.000000e+00	FALSE	0.635833732	2.624424e-01	FALSE
## 955	1.000000e+00	FALSE	0.632566513	2.635084e-01	FALSE
## 956	1.000000e+00	FALSE	0.631169607	2.639648e-01	FALSE
## 957	1.000000e+00	FALSE	0.627682164	2.651061e-01	FALSE
## 958	1.000000e+00	FALSE	0.623906481	2.663445e-01	FALSE
## 959	1.000000e+00	FALSE	0.616722763	2.687088e-01	FALSE
## 960	1.000000e+00	FALSE	0.615121172	2.692374e-01	FALSE
## 961	1.000000e+00	FALSE	0.606858538	2.719724e-01	FALSE
## 962	1.000000e+00	FALSE	0.600704412	2.740184e-01	FALSE
## 963	1.000000e+00	FALSE	0.594947193	2.759394e-01	FALSE
## 964	1.000000e+00	FALSE	0.576773648	2.820462e-01	FALSE
## 965	1.000000e+00	FALSE	0.571583348	2.838021e-01	FALSE
## 966	1.000000e+00	FALSE	0.561877125	2.870999e-01	FALSE
## 967	1.000000e+00	FALSE	0.561815446	2.871209e-01	FALSE
## 968	1.000000e+00	FALSE	0.555732803	2.891968e-01	FALSE
## 969	1.000000e+00	FALSE	0.551406254	2.906776e-01	FALSE
## 970	1.000000e+00	FALSE	0.551226075	2.907394e-01	FALSE
## 971	1.000000e+00	FALSE	0.550906639	2.908488e-01	FALSE
## 972	1.000000e+00	FALSE	0.543650878	2.933409e-01	FALSE
## 973	1.000000e+00	FALSE	0.536831278	2.956921e-01	FALSE
## 974	1.000000e+00	FALSE	0.535968830	2.959900e-01	FALSE

## 975	1.000000e+00	FALSE	0.529380036	2.982709e-01	FALSE
## 976	1.000000e+00	FALSE	0.529156670	2.983484e-01	FALSE
## 977	1.000000e+00	FALSE	0.523051104	3.004693e-01	FALSE
## 978	1.000000e+00	FALSE	0.510874009	3.047196e-01	FALSE
## 979	1.000000e+00	FALSE	0.509305938	3.052689e-01	FALSE
## 980	1.000000e+00	FALSE	0.504654004	3.069009e-01	FALSE
## 981	1.000000e+00	FALSE	0.503987254	3.071352e-01	FALSE
## 982	1.000000e+00	FALSE	0.477005360	3.166792e-01	FALSE
## 983	1.000000e+00	FALSE	0.472280706	3.183632e-01	FALSE
## 984	1.000000e+00	FALSE	0.469506889	3.193537e-01	FALSE
## 985	1.000000e+00	FALSE	0.463313782	3.215697e-01	FALSE
## 986	1.000000e+00	FALSE	0.456032235	3.241834e-01	FALSE
## 987	1.000000e+00	FALSE	0.454873525	3.246001e-01	FALSE
## 988	1.000000e+00	FALSE	0.453533888	3.250822e-01	FALSE
## 989	1.000000e+00	FALSE	0.452961117	3.252884e-01	FALSE
## 990	1.000000e+00	FALSE	0.450064192	3.263321e-01	FALSE
## 991	1.000000e+00	FALSE	0.448892488	3.267546e-01	FALSE
## 992	1.000000e+00	FALSE	0.442865504	3.289315e-01	FALSE
## 993	1.000000e+00	FALSE	0.442675440	3.290003e-01	FALSE
## 994	1.000000e+00	FALSE	0.442618103	3.290210e-01	FALSE
## 995	1.000000e+00	FALSE	0.441296841	3.294991e-01	FALSE
## 996	1.000000e+00	FALSE	0.435573319	3.315732e-01	FALSE
## 997	1.000000e+00	FALSE	0.427431723	3.345325e-01	FALSE
## 998	1.000000e+00	FALSE	0.427059347	3.346681e-01	FALSE
## 999	1.000000e+00	FALSE	0.426162871	3.349946e-01	FALSE
## 1000	1.000000e+00	FALSE	0.424446561	3.356201e-01	FALSE
## 1001	1.000000e+00	FALSE	0.419859107	3.372942e-01	FALSE
## 1002	1.000000e+00	FALSE	0.409553896	3.410666e-01	FALSE
## 1003	1.000000e+00	FALSE	0.402057927	3.438207e-01	FALSE
## 1004	1.000000e+00	FALSE	0.393303624	3.470476e-01	FALSE
## 1005	1.000000e+00	FALSE	0.383649026	3.506193e-01	FALSE
## 1006	1.000000e+00	FALSE	0.383087848	3.508273e-01	FALSE
## 1007	1.000000e+00	FALSE	0.377779037	3.527974e-01	FALSE
## 1008	1.000000e+00	FALSE	0.376946482	3.531067e-01	FALSE
## 1009	1.000000e+00	FALSE	0.361015652	3.590439e-01	FALSE
## 1010	1.000000e+00	FALSE	0.346142492	3.646178e-01	FALSE
## 1011	1.000000e+00	FALSE	0.342944786	3.658200e-01	FALSE
## 1012	1.000000e+00	FALSE	0.338202423	3.676053e-01	FALSE
## 1013	1.000000e+00	FALSE	0.334866589	3.688629e-01	FALSE
## 1014	1.000000e+00	FALSE	0.327972654	3.714662e-01	FALSE
## 1015	1.000000e+00	FALSE	0.324230188	3.728819e-01	FALSE
## 1016	1.000000e+00	FALSE	0.324130626	3.729196e-01	FALSE
## 1017	1.000000e+00	FALSE	0.323682160	3.730893e-01	FALSE
## 1018	1.000000e+00	FALSE	0.314617861	3.765259e-01	FALSE
## 1019	1.000000e+00	FALSE	0.311454539	3.777275e-01	FALSE
## 1020	1.000000e+00	FALSE	0.308585846	3.788183e-01	FALSE
## 1021	1.000000e+00	FALSE	0.302626808	3.810871e-01	FALSE
## 1022	1.000000e+00	FALSE	0.300263483	3.819881e-01	FALSE
## 1023	1.000000e+00	FALSE	0.295499502	3.838062e-01	FALSE
## 1024	1.000000e+00	FALSE	0.292861432	3.848140e-01	FALSE
## 1025	1.000000e+00	FALSE	0.276766156	3.909798e-01	FALSE
## 1026	1.000000e+00	FALSE	0.272307242	3.926929e-01	FALSE
## 1027	1.000000e+00	FALSE	0.270219110	3.934958e-01	FALSE
## 1028	1.000000e+00	FALSE	0.266560971	3.949036e-01	FALSE

## 1029	1.000000e+00	FALSE	0.265385589	3.953562e-01	FALSE
## 1030	1.000000e+00	FALSE	0.264342083	3.957582e-01	FALSE
## 1031	1.000000e+00	FALSE	0.258366908	3.980619e-01	FALSE
## 1032	1.000000e+00	FALSE	0.256766853	3.986794e-01	FALSE
## 1033	1.000000e+00	FALSE	0.253316060	4.000120e-01	FALSE
## 1034	1.000000e+00	FALSE	0.252893271	4.001753e-01	FALSE
## 1035	1.000000e+00	FALSE	0.251332915	4.007784e-01	FALSE
## 1036	1.000000e+00	FALSE	0.247924500	4.020964e-01	FALSE
## 1037	1.000000e+00	FALSE	0.247096517	4.024168e-01	FALSE
## 1038	1.000000e+00	FALSE	0.241421347	4.046143e-01	FALSE
## 1039	1.000000e+00	FALSE	0.239235524	4.054615e-01	FALSE
## 1040	1.000000e+00	FALSE	0.238406904	4.057828e-01	FALSE
## 1041	1.000000e+00	FALSE	0.230822549	4.087263e-01	FALSE
## 1042	1.000000e+00	FALSE	0.224787809	4.110722e-01	FALSE
## 1043	1.000000e+00	FALSE	0.222419382	4.119937e-01	FALSE
## 1044	1.000000e+00	FALSE	0.219436942	4.131548e-01	FALSE
## 1045	1.000000e+00	FALSE	0.217905644	4.137513e-01	FALSE
## 1046	1.000000e+00	FALSE	0.216331026	4.143649e-01	FALSE
## 1047	1.000000e+00	FALSE	0.215194985	4.148077e-01	FALSE
## 1048	1.000000e+00	FALSE	0.209236080	4.171320e-01	FALSE
## 1049	1.000000e+00	FALSE	0.209124492	4.171755e-01	FALSE
## 1050	1.000000e+00	FALSE	0.206045821	4.183776e-01	FALSE
## 1051	1.000000e+00	FALSE	0.203826778	4.192444e-01	FALSE
## 1052	1.000000e+00	FALSE	0.202355556	4.198194e-01	FALSE
## 1053	1.000000e+00	FALSE	0.201219036	4.202637e-01	FALSE
## 1054	1.000000e+00	FALSE	0.200613052	4.205006e-01	FALSE
## 1055	1.000000e+00	FALSE	0.199510504	4.209317e-01	FALSE
## 1056	1.000000e+00	FALSE	0.195485231	4.225065e-01	FALSE
## 1057	1.000000e+00	FALSE	0.192623525	4.236269e-01	FALSE
## 1058	1.000000e+00	FALSE	0.178539041	4.291498e-01	FALSE
## 1059	1.000000e+00	FALSE	0.175039511	4.305243e-01	FALSE
## 1060	1.000000e+00	FALSE	0.174109063	4.308899e-01	FALSE
## 1061	1.000000e+00	FALSE	0.170078009	4.324744e-01	FALSE
## 1062	1.000000e+00	FALSE	0.168969436	4.329103e-01	FALSE
## 1063	1.000000e+00	FALSE	0.163692232	4.349867e-01	FALSE
## 1064	1.000000e+00	FALSE	0.160254455	4.363403e-01	FALSE
## 1065	1.000000e+00	FALSE	0.159539634	4.366219e-01	FALSE
## 1066	1.000000e+00	FALSE	0.158312583	4.371052e-01	FALSE
## 1067	1.000000e+00	FALSE	0.158078194	4.371976e-01	FALSE
## 1068	1.000000e+00	FALSE	0.153653792	4.389414e-01	FALSE
## 1069	1.000000e+00	FALSE	0.150979528	4.399959e-01	FALSE
## 1070	1.000000e+00	FALSE	0.150615223	4.401396e-01	FALSE
## 1071	1.000000e+00	FALSE	0.150012388	4.403774e-01	FALSE
## 1072	1.000000e+00	FALSE	0.148704899	4.408932e-01	FALSE
## 1073	1.000000e+00	FALSE	0.138621013	4.448748e-01	FALSE
## 1074	1.000000e+00	FALSE	0.137443033	4.453403e-01	FALSE
## 1075	1.000000e+00	FALSE	0.136603557	4.456721e-01	FALSE
## 1076	1.000000e+00	FALSE	0.135017983	4.462988e-01	FALSE
## 1077	1.000000e+00	FALSE	0.130591074	4.480494e-01	FALSE
## 1078	1.000000e+00	FALSE	0.129450622	4.485005e-01	FALSE
## 1079	1.000000e+00	FALSE	0.129295330	4.485620e-01	FALSE
## 1080	1.000000e+00	FALSE	0.128764424	4.487720e-01	FALSE
## 1081	1.000000e+00	FALSE	0.124583053	4.504268e-01	FALSE
## 1082	1.000000e+00	FALSE	0.124209621	4.505747e-01	FALSE

```
## 1083 1.000000e+00 FALSE 0.124026306 4.506472e-01 FALSE
## 1084 1.000000e+00 FALSE 0.122192786 4.513732e-01 FALSE
## 1085 1.000000e+00 FALSE 0.117408314 4.532682e-01 FALSE
## 1086 1.000000e+00 FALSE 0.116179061 4.537553e-01 FALSE
## 1087 1.000000e+00 FALSE 0.114528438 4.544095e-01 FALSE
## 1088 1.000000e+00 FALSE 0.109765423 4.562977e-01 FALSE
## 1089 1.000000e+00 FALSE 0.106736762 4.574989e-01 FALSE
## 1090 1.000000e+00 FALSE 0.101707799 4.594943e-01 FALSE
## 1091 1.000000e+00 FALSE 0.098226795 4.608761e-01 FALSE
## 1092 1.000000e+00 FALSE 0.095354112 4.620168e-01 FALSE
## 1093 1.000000e+00 FALSE 0.095210524 4.620738e-01 FALSE
## 1094 1.000000e+00 FALSE 0.092492867 4.631532e-01 FALSE
## 1095 1.000000e+00 FALSE 0.087760897 4.650334e-01 FALSE
## 1096 1.000000e+00 FALSE 0.082049003 4.673039e-01 FALSE
## 1097 1.000000e+00 FALSE 0.077817631 4.689866e-01 FALSE
## 1098 1.000000e+00 FALSE 0.077536719 4.690983e-01 FALSE
## 1099 1.000000e+00 FALSE 0.071090939 4.716627e-01 FALSE
## 1100 1.000000e+00 FALSE 0.064693786 4.742089e-01 FALSE
## 1101 1.000000e+00 FALSE 0.058648982 4.766158e-01 FALSE
## 1102 1.000000e+00 FALSE 0.054724935 4.781788e-01 FALSE
## 1103 1.000000e+00 FALSE 0.049980885 4.800688e-01 FALSE
## 1104 1.000000e+00 FALSE 0.042435006 4.830760e-01 FALSE
## 1105 1.000000e+00 FALSE 0.041891595 4.832926e-01 FALSE
## 1106 1.000000e+00 FALSE 0.034298403 4.863196e-01 FALSE
## 1107 1.000000e+00 FALSE 0.029602612 4.881920e-01 FALSE
## 1108 1.000000e+00 FALSE 0.024081865 4.903937e-01 FALSE
## 1109 1.000000e+00 FALSE 0.022295528 4.911061e-01 FALSE
## 1110 1.000000e+00 FALSE 0.016571053 4.933894e-01 FALSE
## 1111 1.000000e+00 FALSE 0.014144827 4.943572e-01 FALSE
## 1112 1.000000e+00 FALSE 0.013203672 4.947326e-01 FALSE
## 1113 1.000000e+00 FALSE 0.011375189 4.954621e-01 FALSE
## 1114 1.000000e+00 FALSE 0.003954588 4.984224e-01 FALSE
```

```
##
```

```
##
```

```
## Summary statistics:
```

```
##
```

```
## Total Chi squared = 57813.62
```

```
## Total degrees of freedom = 1216
```

```
## p = 0
```

```
## Sum of counts = 385133
```

```
##
```

```
## Levels:
```

```
##
```

```
## corpus lemma
```

```
## 20 65
```

```
options(scipen=999)
cfa_res[[1]] %>%
  as.data.frame() %>%
  dplyr::filter(sig.chisq == "TRUE") -> cfares
```

```
cfa_res[[1]] %>%
  as.data.frame() %>%
  dplyr::mutate(lemma = stringr::str_remove_all(label, ".* "),
               corpus = stringr::str_replace_all(label, "^((\\w+ {0,1}\\w*) \\w+.*$", "\\1")) %>%
```

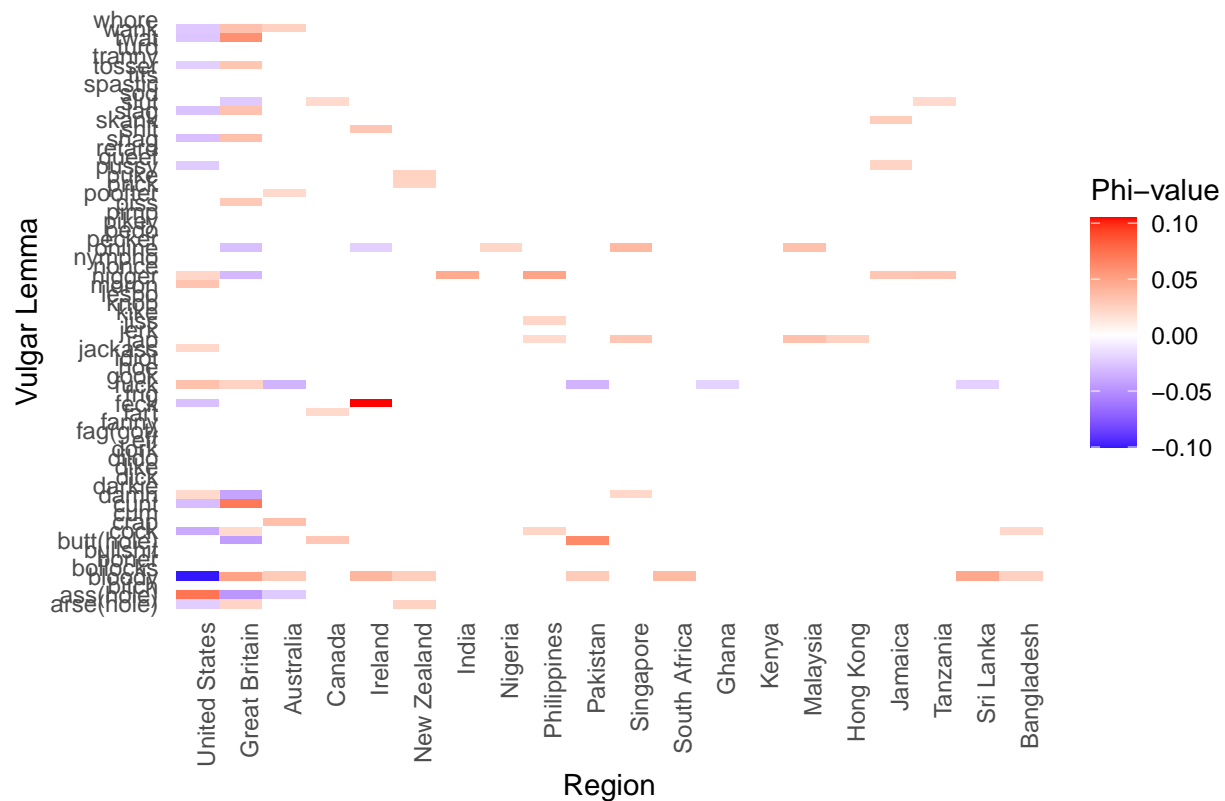
```

dplyr::group_by(corpus) %>%
dplyr::mutate(corpus_total = sum(n)) %>%
dplyr::ungroup() %>%
dplyr::group_by(lemma) %>%
dplyr::mutate(lemma_total = sum(n)) %>%
dplyr::ungroup() %>%
dplyr::mutate(total = sum(n)) %>%
dplyr::rowwise() %>%
dplyr::mutate(phi = (sqrt(chisq / total))) %>%
dplyr::mutate(phi = ifelse(n > expected, phi, -phi)) %>%
dplyr::mutate(phi = ifelse(is.na(phi), 0, phi)) %>%
mutate(phi = ifelse(phi < -0.02 | phi > 0.02, phi, 0),
        phi = ifelse(is.na(phi), 0, phi)) %>%
dplyr::mutate(corpus = factor(corpus, levels = c("United States", "Great Britain", "Australia", "Canada", "France", "Germany", "Italy", "Japan", "Russia", "South Africa", "Spain", "Sweden", "Switzerland", "Taiwan", "United Kingdom", "United States")))
# inspect
Fig6dat

## # A tibble: 1,114 x 16
## # Rowwise:
##   label      n expected      Q chisq p.chisq sig.chisq      z    p.z sig.z lemma
##   <chr> <int>   <dbl>   <dbl> <dbl>   <dbl>   <lgl>   <dbl> <dbl> <lgl> <chr>
## 1 Irela~   546    56.6 1.27e-3 4228. 0      TRUE    65.0  0 TRUE feck
## 2 Unite~  5205 12039. 1.83e-2 3879. 0      TRUE    62.3  0 TRUE bloo~
## 3 Unite~  5395  2938. 6.43e-3 2054. 0      TRUE    45.3  0 TRUE ass(~
## 4 Great~  2074   817. 3.27e-3 1932. 0      TRUE    44.0  0 TRUE cunt
## 5 Pakis~   842   240. 1.57e-3 1515. 8.89e-9 TRUE    38.9  0 TRUE butt~
## 6 Great~  1302   486. 2.12e-3 1373. 1.07e-3 FALSE    37.1  0 TRUE twat
## 7 Great~ 11299  8422. 7.64e-3  983. 1.00e+0 FALSE    31.4  0 TRUE bloo~
## 8 Phili~   284   55.9 5.92e-4  931. 1.00e+0 FALSE    30.5  0 TRUE nigg~
## 9 Sri L~  1102   465. 1.66e-3  874. 1.00e+0 FALSE    29.6  0 TRUE bloo~
## 10 Great~   726  2055. 3.47e-3  860. 1     e+0 FALSE    29.3  0 TRUE ass(~
## # i 1,104 more rows
## # i 5 more variables: corpus <fct>, corpus_total <int>, lemma_total <int>,
## #   total <int>, phi <dbl>

# Create heatmap
ggplot(Fig6dat, aes(x = corpus, y = lemma, fill = phi)) +
  geom_tile() +
  scale_fill_gradient2(low = "blue", mid = "white", high = "red", midpoint = 0) +
  theme_minimal() +
  labs(
    title = "",
    x = "Region",
    y = "Vulgar Lemma",
    fill = "Phi-value"
  ) +
  theme(axis.text.x = element_text(angle = 90, hjust = 1),
        panel.background = element_rect(fill = "white", color = NA), # Set panel background to white
        plot.background = element_rect(fill = "white", color = NA),
        panel.grid = element_blank()) # Set plot background to white

```



```
ggsave(here::here("images", "Fig6.png"), width = 15, height = 22, units = "cm", dpi = 600, bg = "white")
```

## 13.2 Table 2

```
Table2 <- Fig6dat %>%
  dplyr::filter(sig.chisq == T) %>%
  dplyr::select(-label, -z, -p.z, -sig.z, -corpus_total, -lemma_total, -total, -sig.chisq) %>%
  dplyr::mutate(type = ifelse(phi < 0, "Avoided", "Preferred"),
    p.chisq = ifelse(p.chisq < 0.001, "< .001***", p.chisq),
    Q = round(Q, 5),
    expected = round(expected, 1),
    chisq = round(chisq, 1),
    phi = round(phi, 3)) %>%
  dplyr::arrange(-phi) %>%
  dplyr::relocate(any_of(c("corpus", "lemma", "type", "n", "expected", "chisq", "Q"))) %>%
  dplyr::rename(Region = corpus,
    `Vulgar lemma` = lemma,
    `Observed frequency` = n,
    `Expected frequency` = expected,
    `Q-value` = Q,
    `X2-value` = chisq,
    `Bonferroni-corrected p-value` = p.chisq,
    Type = type,
    `Phi-value` = phi)

# save
```

```
writexl::write_xlsx(Table2, here::here("tables", "Table2.xlsx"))
```

```
# inspect
```

```
Table2
```

```
## # A tibble: 5 x 9
```

```
## # Rowwise:
```

```
##   Region      `Vulgar lemma` Type      `Observed frequency` `Expected frequency`
##   <fct>      <chr>          <chr>          <int>              <dbl>
## 1 Ireland    feck            Prefer~          546              56.6
## 2 United States ass(hole)      Prefer~          5395             2938.
## 3 Great Britain cunt          Prefer~          2074             817.
## 4 Pakistan    butt(hole)      Prefer~          842              240.
## 5 United States bloody        Avoided          5205             12039.
## # i 4 more variables: `X2-value` <dbl>, `Q-value` <dbl>,
## #   `Bonferroni-corrected p-value` <chr>, `Phi-value` <dbl>
```

## 14 Outro

```
sessionInfo()
```

```
## R version 4.4.2 (2024-10-31 ucrt)
```

```
## Platform: x86_64-w64-mingw32/x64
```

```
## Running under: Windows 11 x64 (build 26100)
```

```
##
```

```
## Matrix products: default
```

```
##
```

```
##
```

```
## locale:
```

```
## [1] LC_COLLATE=English_United States.utf8
```

```
## [2] LC_CTYPE=English_United States.utf8
```

```
## [3] LC_MONETARY=English_United States.utf8
```

```
## [4] LC_NUMERIC=C
```

```
## [5] LC_TIME=English_United States.utf8
```

```
##
```

```
## time zone: Australia/Brisbane
```

```
## tzcode source: internal
```

```
##
```

```
## attached base packages:
```

```
## [1] parallel stats      graphics  grDevices utils      datasets  methods
```

```
## [8] base
```

```
##
```

```
## other attached packages:
```

```
## [1] cfa_0.10-1      writexl_1.5.2      ggrepel_0.9.6      ggflags_0.0.4
```

```
## [5] usethis_3.1.0    stringi_1.8.7      here_1.0.1          quanteda_4.2.0
```

```
## [9] lubridate_1.9.4  forcats_1.0.0      stringr_1.5.1      dplyr_1.1.4
```

```
## [13] purrr_1.0.4      readr_2.1.5        tidyr_1.3.1         tibble_3.2.1
```

```
## [17] ggplot2_3.5.1    tidyverse_2.0.0    data.table_1.17.0
```

```
##
```

```
## loaded via a namespace (and not attached):
```

```
## [1] fastmatch_1.1-6  gtable_0.3.6      xfun_0.52          grImport2_0.3-3
```

```
## [5] lattice_0.22-6   tzdb_0.5.0        vctrs_0.6.5        tools_4.4.2
```

```
## [9] generics_0.1.3   pkgconfig_2.0.3   Matrix_1.7-1       lifecycle_1.0.4
```

```
## [13] compiler_4.4.2   farver_2.1.2      textshaping_1.0.0 munsell_0.5.1
```

```
## [17] htmltools_0.5.8.1 yaml_2.3.10      pillar_1.10.1    crayon_1.5.3
## [21] stopwords_2.3      tidyselect_1.2.1  digest_0.6.37    bookdown_0.42
## [25] labeling_0.4.3     rprojroot_2.0.4   fastmap_1.2.0    grid_4.4.2
## [29] colorspace_2.1-1   cli_3.6.4         magrittr_2.0.3    base64enc_0.1-3
## [33] XML_3.99-0.18      utf8_1.2.4        withr_3.0.2       scales_1.3.0
## [37] timechange_0.3.0   rmarkdown_2.29    jpeg_0.1-11       ragg_1.3.3
## [41] png_0.1-8          hms_1.1.3         evaluate_1.0.3    knitr_1.50
## [45] rlang_1.1.5        Rcpp_1.0.14       glue_1.8.0        rstudioapi_0.17.1
## [49] R6_2.6.1           systemfonts_1.2.2 fs_1.6.5
```