

Lab 2

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11:59PM February 25, 2021

More Basic R Skills

- Create a function `my_reverse` which takes as required input a vector and returns the vector in reverse where the first entry is the last entry, etc. No function calls are allowed inside your function otherwise that would defeat the purpose of the exercise! (Yes, there is a base R function that does this called `rev`). Use `head` on `v` and `tail` on `my_reverse(v)` to verify it works.

```
my_reverse = function(v) {  
  v_rev = rep(NA, times = length(v))  
  for (i in length(v):1) {  
    v_rev[length(v) - i + 1] = v[i]  
  }  
  v_rev  
}  
v = 1:10  
my_reverse(v)
```

```
## [1] 10 9 8 7 6 5 4 3 2 1
```

- Create a function `flip_matrix` which takes as required input a matrix, an argument `dim_to_rev` that returns the matrix with the rows in reverse order or the columns in reverse order depending on the `dim_to_rev` argument. Let the default be the dimension of the matrix that is greater.

```
flip_matrix = function(X, dim_to_rev = NULL) {  
  if (is.null(dim_to_rev)) {  
    dim_to_rev = ifelse(nrow(X) >= ncol(X), "rows", "cols")  
  }  
  if(dim_to_rev == "rows"){  
    X[my_reverse(1:nrow(X)), ]  
  }else if(dim_to_rev == "cols"){  
    X[,my_reverse(1:ncol(X))]  
  } else{  
    stop ("Illegal arg")  
  }  
}  
X = matrix(rnorm(100), nrow=25)  
X
```

```
##           [,1]      [,2]      [,3]      [,4]
```

```
## [1,] 0.84905141 -1.20616623 0.268384782 -0.890649826
## [2,] 0.80130082 -1.60410518 0.478961468 -0.201458968
## [3,] -1.36964624 -0.71785091 -0.394434995 0.750136935
## [4,] -0.06806837 -0.11589250 0.053220488 0.686323836
## [5,] 0.93179753 -1.40803858 -1.113690552 1.113581374
## [6,] -0.84160098 -1.30922095 -0.347615811 0.660145598
## [7,] -0.78521834 0.76783681 -0.854618795 -0.280356554
## [8,] -1.32073287 0.11601304 -0.605258997 1.209115555
## [9,] 0.67244707 -1.35885175 0.737071347 -0.196342144
## [10,] 1.06830084 0.64053819 0.177598982 0.347192927
## [11,] 0.38136458 -0.04645609 0.080861799 -0.007425261
## [12,] -1.04931095 -0.29601246 -0.801684590 0.754243951
## [13,] 0.18386285 -0.73807084 0.125574009 0.147838330
## [14,] -1.69873585 -0.18380951 0.375310811 -0.273431481
## [15,] 1.28072170 -0.22945978 -0.744042469 -0.727248007
## [16,] -0.18481134 1.61676294 0.084691745 -0.208631556
## [17,] -0.40706590 -2.91277965 -0.006109542 -0.276474397
## [18,] 0.09019010 -0.23895174 -0.744241252 0.185607685
## [19,] -1.48082815 -1.31604848 0.442998165 0.199307488
## [20,] 0.64430720 0.73586329 1.639045688 -0.412707931
## [21,] 1.08679774 1.22036045 -0.687570037 -1.788180864
## [22,] -0.68601607 0.71767439 -0.356324648 -0.517809250
## [23,] 1.69550184 0.51010504 1.463451894 1.128488461
## [24,] -2.43967574 1.21454488 0.568470440 1.539334882
## [25,] 0.74762865 -0.29260084 -0.358692401 -0.760914844
```

```
flip_matrix(X, dim_to_rev = "cols")
```

```
##           [,1]           [,2]           [,3]           [,4]
## [1,] -0.890649826 0.268384782 -1.20616623 0.84905141
## [2,] -0.201458968 0.478961468 -1.60410518 0.80130082
## [3,] 0.750136935 -0.394434995 -0.71785091 -1.36964624
## [4,] 0.686323836 0.053220488 -0.11589250 -0.06806837
## [5,] 1.113581374 -1.113690552 -1.40803858 0.93179753
## [6,] 0.660145598 -0.347615811 -1.30922095 -0.84160098
## [7,] -0.280356554 -0.854618795 0.76783681 -0.78521834
## [8,] 1.209115555 -0.605258997 0.11601304 -1.32073287
## [9,] -0.196342144 0.737071347 -1.35885175 0.67244707
## [10,] 0.347192927 0.177598982 0.64053819 1.06830084
## [11,] -0.007425261 0.080861799 -0.04645609 0.38136458
## [12,] 0.754243951 -0.801684590 -0.29601246 -1.04931095
## [13,] 0.147838330 0.125574009 -0.73807084 0.18386285
## [14,] -0.273431481 0.375310811 -0.18380951 -1.69873585
## [15,] -0.727248007 -0.744042469 -0.22945978 1.28072170
## [16,] -0.208631556 0.084691745 1.61676294 -0.18481134
## [17,] -0.276474397 -0.006109542 -2.91277965 -0.40706590
## [18,] 0.185607685 -0.744241252 -0.23895174 0.09019010
## [19,] 0.199307488 0.442998165 -1.31604848 -1.48082815
## [20,] -0.412707931 1.639045688 0.73586329 0.64430720
## [21,] -1.788180864 -0.687570037 1.22036045 1.08679774
## [22,] -0.517809250 -0.356324648 0.71767439 -0.68601607
## [23,] 1.128488461 1.463451894 0.51010504 1.69550184
## [24,] 1.539334882 0.568470440 1.21454488 -2.43967574
## [25,] -0.760914844 -0.358692401 -0.29260084 0.74762865
```

- Create a list named `my_list` with keys “A”, “B”, ... where the entries are arrays of size 1, 2 x 2, 3 x 3 x 3, etc. Fill the array with the numbers 1, 2, 3, etc. Make 8 entries according to this sequence.

```
arrays = list()
LETTERS
```

```
## [1] "A" "B" "C" "D" "E" "F" "G" "H" "I" "J" "K" "L" "M" "N" "O" "P" "Q" "R" "S"
## [20] "T" "U" "V" "W" "X" "Y" "Z"
```

```
i = 1
for (i in 1:8) {
  arrays[[LETTERS[i]]] = array(data = 1:i^i, dim = c(rep(i, times = i)))
}

my_list = arrays
#my_list
# for () 1 to 8
```

Run the following code:

```
lapply(my_list, object.size)
```

```
## $A
## 224 bytes
##
## $B
## 232 bytes
##
## $C
## 352 bytes
##
## $D
## 1248 bytes
##
## $E
## 12744 bytes
##
## $F
## 186864 bytes
##
## $G
## 3294416 bytes
##
## $H
## 67109104 bytes
```

Use `?object.size` to read about what these functions do. Then explain the output you see above. For the later arrays, does it make sense given the dimensions of the arrays?

The bytes are increasing exponentially. This makes sense because there is an entirely new dimension being added for each key/array.

Now cleanup the namespace by deleting all stored objects and functions:

```
rm(my_list, arrays)
#rm(list = ls())
# NOTE I COMMENTED ABOVE BECAUSE IT WILL REMOVE my_reverse which is needed later
```

A little about strings

- Use the `strsplit` function and `sample` to put the sentences in the string `lorem` below in random order. You will also need to manipulate the output of `strsplit` which is a list. You may need to learn basic concepts of regular expressions.

```
lorem = "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi posuere varius volutpat. Morbi :
?sample
```

```
## starting httpd help server ... done
```

```
?strsplit

split = strsplit(lorem, split = ". ", fixed = TRUE)
lorem = unlist(split)
lorem = sample(lorem)

lorem = paste(c(lorem, ""), collapse = ". ")

lorem
```

```
## [1] "Donec at tempor erat. Curabitur est augue, congue eget quam in, scelerisque semper magna. Donec
```

You have a set of names divided by gender (M / F) and generation (Boomer / GenX / Millennial):

- M / Boomer “Theodore, Bernard, Gene, Herbert, Ray, Tom, Lee, Alfred, Leroy, Eddie”
- M / GenX “Marc, Jamie, Greg, Darryl, Tim, Dean, Jon, Chris, Troy, Jeff”
- M / Millennial “Zachary, Dylan, Christian, Wesley, Seth, Austin, Gabriel, Evan, Casey, Luis”
- F / Boomer “Gloria, Joan, Dorothy, Shirley, Betty, Dianne, Kay, Marjorie, Lorraine, Mildred”
- F / GenX “Tracy, Dawn, Tina, Tammy, Melinda, Tamara, Tracey, Colleen, Sherri, Heidi”
- F / Millennial “Samantha, Alexis, Brittany, Lauren, Taylor, Bethany, Latoya, Candice, Brittney, Cheyenne”

Create a list-within-a-list that will intelligently store this data.

```
#HINT:
#strsplit("Theodore, Bernard, Gene, Herbert, Ray, Tom, Lee, Alfred, Leroy, Eddie", split = ", ")[[1]]

men = list()
women = list()

men$boomers = strsplit("Theodore, Bernard, Gene, Herbert, Ray, Tom, Lee, Alfred, Leroy, Eddie", split =
men$genx = strsplit("Marc, Jamie, Greg, Darryl, Tim, Dean, Jon, Chris, Troy, Jeff", split = ", ")[[1]]
men$millennial = strsplit("Zachary, Dylan, Christian, Wesley, Seth, Austin, Gabriel, Evan, Casey, Luis"
```

```
women$boomers = strsplit("Gloria, Joan, Dorothy, Shirley, Betty, Dianne, Kay, Marjorie, Lorraine, Mildred", ",")
women$genx = strsplit("Tracy, Dawn, Tina, Tammy, Melinda, Tamara, Tracey, Colleen, Sherri, Heidi", ",")
women$millennial = strsplit("Samantha, Alexis, Brittany, Lauren, Taylor, Bethany, Latoya, Candice, Brit", ",")

name_list = list(m = men, w = women)
name_list
```

```
## $m
## $m$boomers
## [1] "Theodore" "Bernard" "Gene" "Herbert" "Ray" "Tom"
## [7] "Lee" "Alfred" "Leroy" "Eddie"
##
## $m$genx
## [1] "Marc" "Jamie" "Greg" "Darryl" "Tim" "Dean" "Jon" "Chris"
## [9] "Troy" "Jeff"
##
## $m$millennial
## [1] "Zachary" "Dylan" "Christian" "Wesley" "Seth" "Austin"
## [7] "Gabriel" "Evan" "Casey" "Luis"
##
##
## $w
## $w$boomers
## [1] "Gloria" "Joan" "Dorothy" "Shirley" "Betty" "Dianne"
## [7] "Kay" "Marjorie" "Lorraine" "Mildred"
##
## $w$genx
## [1] "Tracy" "Dawn" "Tina" "Tammy" "Melinda" "Tamara" "Tracey"
## [8] "Colleen" "Sherri" "Heidi"
##
## $w$millennial
## [1] "Samantha" "Alexis" "Brittany" "Lauren" "Taylor" "Bethany"
## [7] "Latoya" "Candice" "Brittney" "Cheyenne"
```

Dataframe creation

Imagine you are running an experiment with many manipulations. You have 14 levels in the variable “treatment” with levels a, b, c, etc. For each of those manipulations you have 3 submanipulations in a variable named “variation” with levels A, B, C. Then you have “gender” with levels M / F. Then you have “generation” with levels Boomer, GenX, Millenial. Then you will have 6 runs per each of these groups. In each set of 6 you will need to select a name without duplication from the appropriate set of names (from the last question). Create a data frame with columns treatment, variation, gender, generation, name and y that will store all the unique unit information in this experiment. Leave y empty because it will be measured as the experiment is executed.

```
n = 14 * 3 * 2 * 3 * 10
X = data.frame(treatment = rep(NA,n), variation = rep(NA,n), gender = rep(NA,n), generation = rep(NA,n),
              name = rep(NA,n), y = rep(NA,n))

X$treatment = rep(letters[1:14], each = n/14)
X$variation = rep(rep(LETTERS[1:3], each = n/14/3))
X$gender = rep(rep(c("M","F"), each = n/14/3/2))
```

```
X$generation = rep(c("Boomer", "GenX", "Millennial"), each = n/14/3/2/3)
X$name = rep(unlist(name_list))
```

```
table(X$treatment)
```

```
##
##  a  b  c  d  e  f  g  h  i  j  k  l  m  n
## 180 180 180 180 180 180 180 180 180 180 180 180 180 180
```

```
table(X$variation)
```

```
##
##  A  B  C
## 840 840 840
```

```
table(X$gender)
```

```
##
##  F  M
## 1260 1260
```

```
table(X$generation)
```

```
##
##  Boomer  GenX  Millennial
##      840      840      840
```

```
table(X$name)
```

```
##
##  Alexis  Alfred  Austin  Bernard  Bethany  Betty  Brittany  Brittney
##      42      42      42      42      42      42      42      42
##  Candice  Casey  Cheyenne  Chris  Christian  Colleen  Darryl  Dawn
##      42      42      42      42      42      42      42      42
##  Dean  Dianne  Dorothy  Dylan  Eddie  Evan  Gabriel  Gene
##      42      42      42      42      42      42      42      42
##  Gloria  Greg  Heidi  Herbert  Jamie  Jeff  Joan  Jon
##      42      42      42      42      42      42      42      42
##  Kay  Latoya  Lauren  Lee  Leroy  Lorraine  Luis  Marc
##      42      42      42      42      42      42      42      42
##  Marjorie  Melinda  Mildred  Ray  Samantha  Seth  Sherri  Shirley
##      42      42      42      42      42      42      42      42
##  Tamara  Tammy  Taylor  Theodore  Tim  Tina  Tom  Tracey
##      42      42      42      42      42      42      42      42
##  Tracy  Troy  Wesley  Zachary
##      42      42      42      42
```

```
X
```

##	treatment	variation	gender	generation	name	y
## 1	a	A	M	Boomer	Theodore	NA
## 2	a	A	M	Boomer	Bernard	NA
## 3	a	A	M	Boomer	Gene	NA
## 4	a	A	M	Boomer	Herbert	NA
## 5	a	A	M	Boomer	Ray	NA
## 6	a	A	M	Boomer	Tom	NA
## 7	a	A	M	Boomer	Lee	NA
## 8	a	A	M	Boomer	Alfred	NA
## 9	a	A	M	Boomer	Leroy	NA
## 10	a	A	M	Boomer	Eddie	NA
## 11	a	A	M	GenX	Marc	NA
## 12	a	A	M	GenX	Jamie	NA
## 13	a	A	M	GenX	Greg	NA
## 14	a	A	M	GenX	Darryl	NA
## 15	a	A	M	GenX	Tim	NA
## 16	a	A	M	GenX	Dean	NA
## 17	a	A	M	GenX	Jon	NA
## 18	a	A	M	GenX	Chris	NA
## 19	a	A	M	GenX	Troy	NA
## 20	a	A	M	GenX	Jeff	NA
## 21	a	A	M	Millennial	Zachary	NA
## 22	a	A	M	Millennial	Dylan	NA
## 23	a	A	M	Millennial	Christian	NA
## 24	a	A	M	Millennial	Wesley	NA
## 25	a	A	M	Millennial	Seth	NA
## 26	a	A	M	Millennial	Austin	NA
## 27	a	A	M	Millennial	Gabriel	NA
## 28	a	A	M	Millennial	Evan	NA
## 29	a	A	M	Millennial	Casey	NA
## 30	a	A	M	Millennial	Luis	NA
## 31	a	A	F	Boomer	Gloria	NA
## 32	a	A	F	Boomer	Joan	NA
## 33	a	A	F	Boomer	Dorothy	NA
## 34	a	A	F	Boomer	Shirley	NA
## 35	a	A	F	Boomer	Betty	NA
## 36	a	A	F	Boomer	Dianne	NA
## 37	a	A	F	Boomer	Kay	NA
## 38	a	A	F	Boomer	Marjorie	NA
## 39	a	A	F	Boomer	Lorraine	NA
## 40	a	A	F	Boomer	Mildred	NA
## 41	a	A	F	GenX	Tracy	NA
## 42	a	A	F	GenX	Dawn	NA
## 43	a	A	F	GenX	Tina	NA
## 44	a	A	F	GenX	Tammy	NA
## 45	a	A	F	GenX	Melinda	NA
## 46	a	A	F	GenX	Tamara	NA
## 47	a	A	F	GenX	Tracey	NA
## 48	a	A	F	GenX	Colleen	NA
## 49	a	A	F	GenX	Sherri	NA
## 50	a	A	F	GenX	Heidi	NA
## 51	a	A	F	Millennial	Samantha	NA
## 52	a	A	F	Millennial	Alexis	NA
## 53	a	A	F	Millennial	Brittany	NA

## 54	a	A	F Millennial	Lauren NA
## 55	a	A	F Millennial	Taylor NA
## 56	a	A	F Millennial	Bethany NA
## 57	a	A	F Millennial	Latoya NA
## 58	a	A	F Millennial	Candice NA
## 59	a	A	F Millennial	Brittney NA
## 60	a	A	F Millennial	Cheyenne NA
## 61	a	B	M Boomer	Theodore NA
## 62	a	B	M Boomer	Bernard NA
## 63	a	B	M Boomer	Gene NA
## 64	a	B	M Boomer	Herbert NA
## 65	a	B	M Boomer	Ray NA
## 66	a	B	M Boomer	Tom NA
## 67	a	B	M Boomer	Lee NA
## 68	a	B	M Boomer	Alfred NA
## 69	a	B	M Boomer	Leroy NA
## 70	a	B	M Boomer	Eddie NA
## 71	a	B	M GenX	Marc NA
## 72	a	B	M GenX	Jamie NA
## 73	a	B	M GenX	Greg NA
## 74	a	B	M GenX	Darryl NA
## 75	a	B	M GenX	Tim NA
## 76	a	B	M GenX	Dean NA
## 77	a	B	M GenX	Jon NA
## 78	a	B	M GenX	Chris NA
## 79	a	B	M GenX	Troy NA
## 80	a	B	M GenX	Jeff NA
## 81	a	B	M Millennial	Zachary NA
## 82	a	B	M Millennial	Dylan NA
## 83	a	B	M Millennial	Christian NA
## 84	a	B	M Millennial	Wesley NA
## 85	a	B	M Millennial	Seth NA
## 86	a	B	M Millennial	Austin NA
## 87	a	B	M Millennial	Gabriel NA
## 88	a	B	M Millennial	Evan NA
## 89	a	B	M Millennial	Casey NA
## 90	a	B	M Millennial	Luis NA
## 91	a	B	F Boomer	Gloria NA
## 92	a	B	F Boomer	Joan NA
## 93	a	B	F Boomer	Dorothy NA
## 94	a	B	F Boomer	Shirley NA
## 95	a	B	F Boomer	Betty NA
## 96	a	B	F Boomer	Dianne NA
## 97	a	B	F Boomer	Kay NA
## 98	a	B	F Boomer	Marjorie NA
## 99	a	B	F Boomer	Lorraine NA
## 100	a	B	F Boomer	Mildred NA
## 101	a	B	F GenX	Tracy NA
## 102	a	B	F GenX	Dawn NA
## 103	a	B	F GenX	Tina NA
## 104	a	B	F GenX	Tammy NA
## 105	a	B	F GenX	Melinda NA
## 106	a	B	F GenX	Tamara NA
## 107	a	B	F GenX	Tracey NA

## 108	a	B	F	GenX	Colleen NA
## 109	a	B	F	GenX	Sherri NA
## 110	a	B	F	GenX	Heidi NA
## 111	a	B	F	Millennial	Samantha NA
## 112	a	B	F	Millennial	Alexis NA
## 113	a	B	F	Millennial	Brittany NA
## 114	a	B	F	Millennial	Lauren NA
## 115	a	B	F	Millennial	Taylor NA
## 116	a	B	F	Millennial	Bethany NA
## 117	a	B	F	Millennial	Latoya NA
## 118	a	B	F	Millennial	Candice NA
## 119	a	B	F	Millennial	Brittney NA
## 120	a	B	F	Millennial	Cheyenne NA
## 121	a	C	M	Boomer	Theodore NA
## 122	a	C	M	Boomer	Bernard NA
## 123	a	C	M	Boomer	Gene NA
## 124	a	C	M	Boomer	Herbert NA
## 125	a	C	M	Boomer	Ray NA
## 126	a	C	M	Boomer	Tom NA
## 127	a	C	M	Boomer	Lee NA
## 128	a	C	M	Boomer	Alfred NA
## 129	a	C	M	Boomer	Leroy NA
## 130	a	C	M	Boomer	Eddie NA
## 131	a	C	M	GenX	Marc NA
## 132	a	C	M	GenX	Jamie NA
## 133	a	C	M	GenX	Greg NA
## 134	a	C	M	GenX	Darryl NA
## 135	a	C	M	GenX	Tim NA
## 136	a	C	M	GenX	Dean NA
## 137	a	C	M	GenX	Jon NA
## 138	a	C	M	GenX	Chris NA
## 139	a	C	M	GenX	Troy NA
## 140	a	C	M	GenX	Jeff NA
## 141	a	C	M	Millennial	Zachary NA
## 142	a	C	M	Millennial	Dylan NA
## 143	a	C	M	Millennial	Christian NA
## 144	a	C	M	Millennial	Wesley NA
## 145	a	C	M	Millennial	Seth NA
## 146	a	C	M	Millennial	Austin NA
## 147	a	C	M	Millennial	Gabriel NA
## 148	a	C	M	Millennial	Evan NA
## 149	a	C	M	Millennial	Casey NA
## 150	a	C	M	Millennial	Luis NA
## 151	a	C	F	Boomer	Gloria NA
## 152	a	C	F	Boomer	Joan NA
## 153	a	C	F	Boomer	Dorothy NA
## 154	a	C	F	Boomer	Shirley NA
## 155	a	C	F	Boomer	Betty NA
## 156	a	C	F	Boomer	Dianne NA
## 157	a	C	F	Boomer	Kay NA
## 158	a	C	F	Boomer	Marjorie NA
## 159	a	C	F	Boomer	Lorraine NA
## 160	a	C	F	Boomer	Mildred NA
## 161	a	C	F	GenX	Tracy NA

## 162	a	C	F	GenX	Dawn NA
## 163	a	C	F	GenX	Tina NA
## 164	a	C	F	GenX	Tammy NA
## 165	a	C	F	GenX	Melinda NA
## 166	a	C	F	GenX	Tamara NA
## 167	a	C	F	GenX	Tracey NA
## 168	a	C	F	GenX	Colleen NA
## 169	a	C	F	GenX	Sherri NA
## 170	a	C	F	GenX	Heidi NA
## 171	a	C	F	Millennial	Samantha NA
## 172	a	C	F	Millennial	Alexis NA
## 173	a	C	F	Millennial	Brittany NA
## 174	a	C	F	Millennial	Lauren NA
## 175	a	C	F	Millennial	Taylor NA
## 176	a	C	F	Millennial	Bethany NA
## 177	a	C	F	Millennial	Latoya NA
## 178	a	C	F	Millennial	Candice NA
## 179	a	C	F	Millennial	Brittney NA
## 180	a	C	F	Millennial	Cheyenne NA
## 181	b	A	M	Boomer	Theodore NA
## 182	b	A	M	Boomer	Bernard NA
## 183	b	A	M	Boomer	Gene NA
## 184	b	A	M	Boomer	Herbert NA
## 185	b	A	M	Boomer	Ray NA
## 186	b	A	M	Boomer	Tom NA
## 187	b	A	M	Boomer	Lee NA
## 188	b	A	M	Boomer	Alfred NA
## 189	b	A	M	Boomer	Leroy NA
## 190	b	A	M	Boomer	Eddie NA
## 191	b	A	M	GenX	Marc NA
## 192	b	A	M	GenX	Jamie NA
## 193	b	A	M	GenX	Greg NA
## 194	b	A	M	GenX	Darryl NA
## 195	b	A	M	GenX	Tim NA
## 196	b	A	M	GenX	Dean NA
## 197	b	A	M	GenX	Jon NA
## 198	b	A	M	GenX	Chris NA
## 199	b	A	M	GenX	Troy NA
## 200	b	A	M	GenX	Jeff NA
## 201	b	A	M	Millennial	Zachary NA
## 202	b	A	M	Millennial	Dylan NA
## 203	b	A	M	Millennial	Christian NA
## 204	b	A	M	Millennial	Wesley NA
## 205	b	A	M	Millennial	Seth NA
## 206	b	A	M	Millennial	Austin NA
## 207	b	A	M	Millennial	Gabriel NA
## 208	b	A	M	Millennial	Evan NA
## 209	b	A	M	Millennial	Casey NA
## 210	b	A	M	Millennial	Luis NA
## 211	b	A	F	Boomer	Gloria NA
## 212	b	A	F	Boomer	Joan NA
## 213	b	A	F	Boomer	Dorothy NA
## 214	b	A	F	Boomer	Shirley NA
## 215	b	A	F	Boomer	Betty NA

## 216	b	A	F	Boomer	Dianne	NA
## 217	b	A	F	Boomer	Kay	NA
## 218	b	A	F	Boomer	Marjorie	NA
## 219	b	A	F	Boomer	Lorraine	NA
## 220	b	A	F	Boomer	Mildred	NA
## 221	b	A	F	GenX	Tracy	NA
## 222	b	A	F	GenX	Dawn	NA
## 223	b	A	F	GenX	Tina	NA
## 224	b	A	F	GenX	Tammy	NA
## 225	b	A	F	GenX	Melinda	NA
## 226	b	A	F	GenX	Tamara	NA
## 227	b	A	F	GenX	Tracey	NA
## 228	b	A	F	GenX	Colleen	NA
## 229	b	A	F	GenX	Sherri	NA
## 230	b	A	F	GenX	Heidi	NA
## 231	b	A	F	Millennial	Samantha	NA
## 232	b	A	F	Millennial	Alexis	NA
## 233	b	A	F	Millennial	Brittany	NA
## 234	b	A	F	Millennial	Lauren	NA
## 235	b	A	F	Millennial	Taylor	NA
## 236	b	A	F	Millennial	Bethany	NA
## 237	b	A	F	Millennial	Latoya	NA
## 238	b	A	F	Millennial	Candice	NA
## 239	b	A	F	Millennial	Brittney	NA
## 240	b	A	F	Millennial	Cheyenne	NA
## 241	b	B	M	Boomer	Theodore	NA
## 242	b	B	M	Boomer	Bernard	NA
## 243	b	B	M	Boomer	Gene	NA
## 244	b	B	M	Boomer	Herbert	NA
## 245	b	B	M	Boomer	Ray	NA
## 246	b	B	M	Boomer	Tom	NA
## 247	b	B	M	Boomer	Lee	NA
## 248	b	B	M	Boomer	Alfred	NA
## 249	b	B	M	Boomer	Leroy	NA
## 250	b	B	M	Boomer	Eddie	NA
## 251	b	B	M	GenX	Marc	NA
## 252	b	B	M	GenX	Jamie	NA
## 253	b	B	M	GenX	Greg	NA
## 254	b	B	M	GenX	Darryl	NA
## 255	b	B	M	GenX	Tim	NA
## 256	b	B	M	GenX	Dean	NA
## 257	b	B	M	GenX	Jon	NA
## 258	b	B	M	GenX	Chris	NA
## 259	b	B	M	GenX	Troy	NA
## 260	b	B	M	GenX	Jeff	NA
## 261	b	B	M	Millennial	Zachary	NA
## 262	b	B	M	Millennial	Dylan	NA
## 263	b	B	M	Millennial	Christian	NA
## 264	b	B	M	Millennial	Wesley	NA
## 265	b	B	M	Millennial	Seth	NA
## 266	b	B	M	Millennial	Austin	NA
## 267	b	B	M	Millennial	Gabriel	NA
## 268	b	B	M	Millennial	Evan	NA
## 269	b	B	M	Millennial	Casey	NA

## 270	b	B	M Millennial	Luis NA
## 271	b	B	F Boomer	Gloria NA
## 272	b	B	F Boomer	Joan NA
## 273	b	B	F Boomer	Dorothy NA
## 274	b	B	F Boomer	Shirley NA
## 275	b	B	F Boomer	Betty NA
## 276	b	B	F Boomer	Dianne NA
## 277	b	B	F Boomer	Kay NA
## 278	b	B	F Boomer	Marjorie NA
## 279	b	B	F Boomer	Lorraine NA
## 280	b	B	F Boomer	Mildred NA
## 281	b	B	F GenX	Tracy NA
## 282	b	B	F GenX	Dawn NA
## 283	b	B	F GenX	Tina NA
## 284	b	B	F GenX	Tammy NA
## 285	b	B	F GenX	Melinda NA
## 286	b	B	F GenX	Tamara NA
## 287	b	B	F GenX	Tracey NA
## 288	b	B	F GenX	Colleen NA
## 289	b	B	F GenX	Sherri NA
## 290	b	B	F GenX	Heidi NA
## 291	b	B	F Millennial	Samantha NA
## 292	b	B	F Millennial	Alexis NA
## 293	b	B	F Millennial	Brittany NA
## 294	b	B	F Millennial	Lauren NA
## 295	b	B	F Millennial	Taylor NA
## 296	b	B	F Millennial	Bethany NA
## 297	b	B	F Millennial	Latoya NA
## 298	b	B	F Millennial	Candice NA
## 299	b	B	F Millennial	Brittney NA
## 300	b	B	F Millennial	Cheyenne NA
## 301	b	C	M Boomer	Theodore NA
## 302	b	C	M Boomer	Bernard NA
## 303	b	C	M Boomer	Gene NA
## 304	b	C	M Boomer	Herbert NA
## 305	b	C	M Boomer	Ray NA
## 306	b	C	M Boomer	Tom NA
## 307	b	C	M Boomer	Lee NA
## 308	b	C	M Boomer	Alfred NA
## 309	b	C	M Boomer	Leroy NA
## 310	b	C	M Boomer	Eddie NA
## 311	b	C	M GenX	Marc NA
## 312	b	C	M GenX	Jamie NA
## 313	b	C	M GenX	Greg NA
## 314	b	C	M GenX	Darryl NA
## 315	b	C	M GenX	Tim NA
## 316	b	C	M GenX	Dean NA
## 317	b	C	M GenX	Jon NA
## 318	b	C	M GenX	Chris NA
## 319	b	C	M GenX	Troy NA
## 320	b	C	M GenX	Jeff NA
## 321	b	C	M Millennial	Zachary NA
## 322	b	C	M Millennial	Dylan NA
## 323	b	C	M Millennial	Christian NA

## 324	b	C	M Millennial	Wesley NA
## 325	b	C	M Millennial	Seth NA
## 326	b	C	M Millennial	Austin NA
## 327	b	C	M Millennial	Gabriel NA
## 328	b	C	M Millennial	Evan NA
## 329	b	C	M Millennial	Casey NA
## 330	b	C	M Millennial	Luis NA
## 331	b	C	F Boomer	Gloria NA
## 332	b	C	F Boomer	Joan NA
## 333	b	C	F Boomer	Dorothy NA
## 334	b	C	F Boomer	Shirley NA
## 335	b	C	F Boomer	Betty NA
## 336	b	C	F Boomer	Dianne NA
## 337	b	C	F Boomer	Kay NA
## 338	b	C	F Boomer	Marjorie NA
## 339	b	C	F Boomer	Lorraine NA
## 340	b	C	F Boomer	Mildred NA
## 341	b	C	F GenX	Tracy NA
## 342	b	C	F GenX	Dawn NA
## 343	b	C	F GenX	Tina NA
## 344	b	C	F GenX	Tammy NA
## 345	b	C	F GenX	Melinda NA
## 346	b	C	F GenX	Tamara NA
## 347	b	C	F GenX	Tracey NA
## 348	b	C	F GenX	Colleen NA
## 349	b	C	F GenX	Sherri NA
## 350	b	C	F GenX	Heidi NA
## 351	b	C	F Millennial	Samantha NA
## 352	b	C	F Millennial	Alexis NA
## 353	b	C	F Millennial	Brittany NA
## 354	b	C	F Millennial	Lauren NA
## 355	b	C	F Millennial	Taylor NA
## 356	b	C	F Millennial	Bethany NA
## 357	b	C	F Millennial	Latoya NA
## 358	b	C	F Millennial	Candice NA
## 359	b	C	F Millennial	Brittney NA
## 360	b	C	F Millennial	Cheyenne NA
## 361	c	A	M Boomer	Theodore NA
## 362	c	A	M Boomer	Bernard NA
## 363	c	A	M Boomer	Gene NA
## 364	c	A	M Boomer	Herbert NA
## 365	c	A	M Boomer	Ray NA
## 366	c	A	M Boomer	Tom NA
## 367	c	A	M Boomer	Lee NA
## 368	c	A	M Boomer	Alfred NA
## 369	c	A	M Boomer	Leroy NA
## 370	c	A	M Boomer	Eddie NA
## 371	c	A	M GenX	Marc NA
## 372	c	A	M GenX	Jamie NA
## 373	c	A	M GenX	Greg NA
## 374	c	A	M GenX	Darryl NA
## 375	c	A	M GenX	Tim NA
## 376	c	A	M GenX	Dean NA
## 377	c	A	M GenX	Jon NA

## 378	c	A	M	GenX	Chris	NA
## 379	c	A	M	GenX	Troy	NA
## 380	c	A	M	GenX	Jeff	NA
## 381	c	A	M	Millennial	Zachary	NA
## 382	c	A	M	Millennial	Dylan	NA
## 383	c	A	M	Millennial	Christian	NA
## 384	c	A	M	Millennial	Wesley	NA
## 385	c	A	M	Millennial	Seth	NA
## 386	c	A	M	Millennial	Austin	NA
## 387	c	A	M	Millennial	Gabriel	NA
## 388	c	A	M	Millennial	Evan	NA
## 389	c	A	M	Millennial	Casey	NA
## 390	c	A	M	Millennial	Luis	NA
## 391	c	A	F	Boomer	Gloria	NA
## 392	c	A	F	Boomer	Joan	NA
## 393	c	A	F	Boomer	Dorothy	NA
## 394	c	A	F	Boomer	Shirley	NA
## 395	c	A	F	Boomer	Betty	NA
## 396	c	A	F	Boomer	Dianne	NA
## 397	c	A	F	Boomer	Kay	NA
## 398	c	A	F	Boomer	Marjorie	NA
## 399	c	A	F	Boomer	Lorraine	NA
## 400	c	A	F	Boomer	Mildred	NA
## 401	c	A	F	GenX	Tracy	NA
## 402	c	A	F	GenX	Dawn	NA
## 403	c	A	F	GenX	Tina	NA
## 404	c	A	F	GenX	Tammy	NA
## 405	c	A	F	GenX	Melinda	NA
## 406	c	A	F	GenX	Tamara	NA
## 407	c	A	F	GenX	Tracey	NA
## 408	c	A	F	GenX	Colleen	NA
## 409	c	A	F	GenX	Sherri	NA
## 410	c	A	F	GenX	Heidi	NA
## 411	c	A	F	Millennial	Samantha	NA
## 412	c	A	F	Millennial	Alexis	NA
## 413	c	A	F	Millennial	Brittany	NA
## 414	c	A	F	Millennial	Lauren	NA
## 415	c	A	F	Millennial	Taylor	NA
## 416	c	A	F	Millennial	Bethany	NA
## 417	c	A	F	Millennial	Latoya	NA
## 418	c	A	F	Millennial	Candice	NA
## 419	c	A	F	Millennial	Brittney	NA
## 420	c	A	F	Millennial	Cheyenne	NA
## 421	c	B	M	Boomer	Theodore	NA
## 422	c	B	M	Boomer	Bernard	NA
## 423	c	B	M	Boomer	Gene	NA
## 424	c	B	M	Boomer	Herbert	NA
## 425	c	B	M	Boomer	Ray	NA
## 426	c	B	M	Boomer	Tom	NA
## 427	c	B	M	Boomer	Lee	NA
## 428	c	B	M	Boomer	Alfred	NA
## 429	c	B	M	Boomer	Leroy	NA
## 430	c	B	M	Boomer	Eddie	NA
## 431	c	B	M	GenX	Marc	NA

## 432	c	B	M	GenX	Jamie NA
## 433	c	B	M	GenX	Greg NA
## 434	c	B	M	GenX	Darryl NA
## 435	c	B	M	GenX	Tim NA
## 436	c	B	M	GenX	Dean NA
## 437	c	B	M	GenX	Jon NA
## 438	c	B	M	GenX	Chris NA
## 439	c	B	M	GenX	Troy NA
## 440	c	B	M	GenX	Jeff NA
## 441	c	B	M	Millennial	Zachary NA
## 442	c	B	M	Millennial	Dylan NA
## 443	c	B	M	Millennial	Christian NA
## 444	c	B	M	Millennial	Wesley NA
## 445	c	B	M	Millennial	Seth NA
## 446	c	B	M	Millennial	Austin NA
## 447	c	B	M	Millennial	Gabriel NA
## 448	c	B	M	Millennial	Evan NA
## 449	c	B	M	Millennial	Casey NA
## 450	c	B	M	Millennial	Luis NA
## 451	c	B	F	Boomer	Gloria NA
## 452	c	B	F	Boomer	Joan NA
## 453	c	B	F	Boomer	Dorothy NA
## 454	c	B	F	Boomer	Shirley NA
## 455	c	B	F	Boomer	Betty NA
## 456	c	B	F	Boomer	Dianne NA
## 457	c	B	F	Boomer	Kay NA
## 458	c	B	F	Boomer	Marjorie NA
## 459	c	B	F	Boomer	Lorraine NA
## 460	c	B	F	Boomer	Mildred NA
## 461	c	B	F	GenX	Tracy NA
## 462	c	B	F	GenX	Dawn NA
## 463	c	B	F	GenX	Tina NA
## 464	c	B	F	GenX	Tammy NA
## 465	c	B	F	GenX	Melinda NA
## 466	c	B	F	GenX	Tamara NA
## 467	c	B	F	GenX	Tracey NA
## 468	c	B	F	GenX	Colleen NA
## 469	c	B	F	GenX	Sherri NA
## 470	c	B	F	GenX	Heidi NA
## 471	c	B	F	Millennial	Samantha NA
## 472	c	B	F	Millennial	Alexis NA
## 473	c	B	F	Millennial	Brittany NA
## 474	c	B	F	Millennial	Lauren NA
## 475	c	B	F	Millennial	Taylor NA
## 476	c	B	F	Millennial	Bethany NA
## 477	c	B	F	Millennial	Latoya NA
## 478	c	B	F	Millennial	Candice NA
## 479	c	B	F	Millennial	Brittney NA
## 480	c	B	F	Millennial	Cheyenne NA
## 481	c	C	M	Boomer	Theodore NA
## 482	c	C	M	Boomer	Bernard NA
## 483	c	C	M	Boomer	Gene NA
## 484	c	C	M	Boomer	Herbert NA
## 485	c	C	M	Boomer	Ray NA

## 486	c	C	M	Boomer	Tom NA
## 487	c	C	M	Boomer	Lee NA
## 488	c	C	M	Boomer	Alfred NA
## 489	c	C	M	Boomer	Leroy NA
## 490	c	C	M	Boomer	Eddie NA
## 491	c	C	M	GenX	Marc NA
## 492	c	C	M	GenX	Jamie NA
## 493	c	C	M	GenX	Greg NA
## 494	c	C	M	GenX	Darryl NA
## 495	c	C	M	GenX	Tim NA
## 496	c	C	M	GenX	Dean NA
## 497	c	C	M	GenX	Jon NA
## 498	c	C	M	GenX	Chris NA
## 499	c	C	M	GenX	Troy NA
## 500	c	C	M	GenX	Jeff NA
## 501	c	C	M	Millennial	Zachary NA
## 502	c	C	M	Millennial	Dylan NA
## 503	c	C	M	Millennial	Christian NA
## 504	c	C	M	Millennial	Wesley NA
## 505	c	C	M	Millennial	Seth NA
## 506	c	C	M	Millennial	Austin NA
## 507	c	C	M	Millennial	Gabriel NA
## 508	c	C	M	Millennial	Evan NA
## 509	c	C	M	Millennial	Casey NA
## 510	c	C	M	Millennial	Luis NA
## 511	c	C	F	Boomer	Gloria NA
## 512	c	C	F	Boomer	Joan NA
## 513	c	C	F	Boomer	Dorothy NA
## 514	c	C	F	Boomer	Shirley NA
## 515	c	C	F	Boomer	Betty NA
## 516	c	C	F	Boomer	Dianne NA
## 517	c	C	F	Boomer	Kay NA
## 518	c	C	F	Boomer	Marjorie NA
## 519	c	C	F	Boomer	Lorraine NA
## 520	c	C	F	Boomer	Mildred NA
## 521	c	C	F	GenX	Tracy NA
## 522	c	C	F	GenX	Dawn NA
## 523	c	C	F	GenX	Tina NA
## 524	c	C	F	GenX	Tammy NA
## 525	c	C	F	GenX	Melinda NA
## 526	c	C	F	GenX	Tamara NA
## 527	c	C	F	GenX	Tracey NA
## 528	c	C	F	GenX	Colleen NA
## 529	c	C	F	GenX	Sherri NA
## 530	c	C	F	GenX	Heidi NA
## 531	c	C	F	Millennial	Samantha NA
## 532	c	C	F	Millennial	Alexis NA
## 533	c	C	F	Millennial	Brittany NA
## 534	c	C	F	Millennial	Lauren NA
## 535	c	C	F	Millennial	Taylor NA
## 536	c	C	F	Millennial	Bethany NA
## 537	c	C	F	Millennial	Latoya NA
## 538	c	C	F	Millennial	Candice NA
## 539	c	C	F	Millennial	Brittney NA

## 540	c	C	F Millennial	Cheyenne	NA
## 541	d	A	M Boomer	Theodore	NA
## 542	d	A	M Boomer	Bernard	NA
## 543	d	A	M Boomer	Gene	NA
## 544	d	A	M Boomer	Herbert	NA
## 545	d	A	M Boomer	Ray	NA
## 546	d	A	M Boomer	Tom	NA
## 547	d	A	M Boomer	Lee	NA
## 548	d	A	M Boomer	Alfred	NA
## 549	d	A	M Boomer	Leroy	NA
## 550	d	A	M Boomer	Eddie	NA
## 551	d	A	M GenX	Marc	NA
## 552	d	A	M GenX	Jamie	NA
## 553	d	A	M GenX	Greg	NA
## 554	d	A	M GenX	Darryl	NA
## 555	d	A	M GenX	Tim	NA
## 556	d	A	M GenX	Dean	NA
## 557	d	A	M GenX	Jon	NA
## 558	d	A	M GenX	Chris	NA
## 559	d	A	M GenX	Troy	NA
## 560	d	A	M GenX	Jeff	NA
## 561	d	A	M Millennial	Zachary	NA
## 562	d	A	M Millennial	Dylan	NA
## 563	d	A	M Millennial	Christian	NA
## 564	d	A	M Millennial	Wesley	NA
## 565	d	A	M Millennial	Seth	NA
## 566	d	A	M Millennial	Austin	NA
## 567	d	A	M Millennial	Gabriel	NA
## 568	d	A	M Millennial	Evan	NA
## 569	d	A	M Millennial	Casey	NA
## 570	d	A	M Millennial	Luis	NA
## 571	d	A	F Boomer	Gloria	NA
## 572	d	A	F Boomer	Joan	NA
## 573	d	A	F Boomer	Dorothy	NA
## 574	d	A	F Boomer	Shirley	NA
## 575	d	A	F Boomer	Betty	NA
## 576	d	A	F Boomer	Dianne	NA
## 577	d	A	F Boomer	Kay	NA
## 578	d	A	F Boomer	Marjorie	NA
## 579	d	A	F Boomer	Lorraine	NA
## 580	d	A	F Boomer	Mildred	NA
## 581	d	A	F GenX	Tracy	NA
## 582	d	A	F GenX	Dawn	NA
## 583	d	A	F GenX	Tina	NA
## 584	d	A	F GenX	Tammy	NA
## 585	d	A	F GenX	Melinda	NA
## 586	d	A	F GenX	Tamara	NA
## 587	d	A	F GenX	Tracey	NA
## 588	d	A	F GenX	Colleen	NA
## 589	d	A	F GenX	Sherri	NA
## 590	d	A	F GenX	Heidi	NA
## 591	d	A	F Millennial	Samantha	NA
## 592	d	A	F Millennial	Alexis	NA
## 593	d	A	F Millennial	Brittany	NA

## 594	d	A	F Millennial	Lauren NA
## 595	d	A	F Millennial	Taylor NA
## 596	d	A	F Millennial	Bethany NA
## 597	d	A	F Millennial	Latoya NA
## 598	d	A	F Millennial	Candice NA
## 599	d	A	F Millennial	Brittney NA
## 600	d	A	F Millennial	Cheyenne NA
## 601	d	B	M Boomer	Theodore NA
## 602	d	B	M Boomer	Bernard NA
## 603	d	B	M Boomer	Gene NA
## 604	d	B	M Boomer	Herbert NA
## 605	d	B	M Boomer	Ray NA
## 606	d	B	M Boomer	Tom NA
## 607	d	B	M Boomer	Lee NA
## 608	d	B	M Boomer	Alfred NA
## 609	d	B	M Boomer	Leroy NA
## 610	d	B	M Boomer	Eddie NA
## 611	d	B	M GenX	Marc NA
## 612	d	B	M GenX	Jamie NA
## 613	d	B	M GenX	Greg NA
## 614	d	B	M GenX	Darryl NA
## 615	d	B	M GenX	Tim NA
## 616	d	B	M GenX	Dean NA
## 617	d	B	M GenX	Jon NA
## 618	d	B	M GenX	Chris NA
## 619	d	B	M GenX	Troy NA
## 620	d	B	M GenX	Jeff NA
## 621	d	B	M Millennial	Zachary NA
## 622	d	B	M Millennial	Dylan NA
## 623	d	B	M Millennial	Christian NA
## 624	d	B	M Millennial	Wesley NA
## 625	d	B	M Millennial	Seth NA
## 626	d	B	M Millennial	Austin NA
## 627	d	B	M Millennial	Gabriel NA
## 628	d	B	M Millennial	Evan NA
## 629	d	B	M Millennial	Casey NA
## 630	d	B	M Millennial	Luis NA
## 631	d	B	F Boomer	Gloria NA
## 632	d	B	F Boomer	Joan NA
## 633	d	B	F Boomer	Dorothy NA
## 634	d	B	F Boomer	Shirley NA
## 635	d	B	F Boomer	Betty NA
## 636	d	B	F Boomer	Dianne NA
## 637	d	B	F Boomer	Kay NA
## 638	d	B	F Boomer	Marjorie NA
## 639	d	B	F Boomer	Lorraine NA
## 640	d	B	F Boomer	Mildred NA
## 641	d	B	F GenX	Tracy NA
## 642	d	B	F GenX	Dawn NA
## 643	d	B	F GenX	Tina NA
## 644	d	B	F GenX	Tammy NA
## 645	d	B	F GenX	Melinda NA
## 646	d	B	F GenX	Tamara NA
## 647	d	B	F GenX	Tracey NA

## 648	d	B	F	GenX	Colleen NA
## 649	d	B	F	GenX	Sherri NA
## 650	d	B	F	GenX	Heidi NA
## 651	d	B	F	Millennial	Samantha NA
## 652	d	B	F	Millennial	Alexis NA
## 653	d	B	F	Millennial	Brittany NA
## 654	d	B	F	Millennial	Lauren NA
## 655	d	B	F	Millennial	Taylor NA
## 656	d	B	F	Millennial	Bethany NA
## 657	d	B	F	Millennial	Latoya NA
## 658	d	B	F	Millennial	Candice NA
## 659	d	B	F	Millennial	Brittney NA
## 660	d	B	F	Millennial	Cheyenne NA
## 661	d	C	M	Boomer	Theodore NA
## 662	d	C	M	Boomer	Bernard NA
## 663	d	C	M	Boomer	Gene NA
## 664	d	C	M	Boomer	Herbert NA
## 665	d	C	M	Boomer	Ray NA
## 666	d	C	M	Boomer	Tom NA
## 667	d	C	M	Boomer	Lee NA
## 668	d	C	M	Boomer	Alfred NA
## 669	d	C	M	Boomer	Leroy NA
## 670	d	C	M	Boomer	Eddie NA
## 671	d	C	M	GenX	Marc NA
## 672	d	C	M	GenX	Jamie NA
## 673	d	C	M	GenX	Greg NA
## 674	d	C	M	GenX	Darryl NA
## 675	d	C	M	GenX	Tim NA
## 676	d	C	M	GenX	Dean NA
## 677	d	C	M	GenX	Jon NA
## 678	d	C	M	GenX	Chris NA
## 679	d	C	M	GenX	Troy NA
## 680	d	C	M	GenX	Jeff NA
## 681	d	C	M	Millennial	Zachary NA
## 682	d	C	M	Millennial	Dylan NA
## 683	d	C	M	Millennial	Christian NA
## 684	d	C	M	Millennial	Wesley NA
## 685	d	C	M	Millennial	Seth NA
## 686	d	C	M	Millennial	Austin NA
## 687	d	C	M	Millennial	Gabriel NA
## 688	d	C	M	Millennial	Evan NA
## 689	d	C	M	Millennial	Casey NA
## 690	d	C	M	Millennial	Luis NA
## 691	d	C	F	Boomer	Gloria NA
## 692	d	C	F	Boomer	Joan NA
## 693	d	C	F	Boomer	Dorothy NA
## 694	d	C	F	Boomer	Shirley NA
## 695	d	C	F	Boomer	Betty NA
## 696	d	C	F	Boomer	Dianne NA
## 697	d	C	F	Boomer	Kay NA
## 698	d	C	F	Boomer	Marjorie NA
## 699	d	C	F	Boomer	Lorraine NA
## 700	d	C	F	Boomer	Mildred NA
## 701	d	C	F	GenX	Tracy NA

## 702	d	C	F	GenX	Dawn	NA
## 703	d	C	F	GenX	Tina	NA
## 704	d	C	F	GenX	Tammy	NA
## 705	d	C	F	GenX	Melinda	NA
## 706	d	C	F	GenX	Tamara	NA
## 707	d	C	F	GenX	Tracey	NA
## 708	d	C	F	GenX	Colleen	NA
## 709	d	C	F	GenX	Sherri	NA
## 710	d	C	F	GenX	Heidi	NA
## 711	d	C	F	Millennial	Samantha	NA
## 712	d	C	F	Millennial	Alexis	NA
## 713	d	C	F	Millennial	Brittany	NA
## 714	d	C	F	Millennial	Lauren	NA
## 715	d	C	F	Millennial	Taylor	NA
## 716	d	C	F	Millennial	Bethany	NA
## 717	d	C	F	Millennial	Latoya	NA
## 718	d	C	F	Millennial	Candice	NA
## 719	d	C	F	Millennial	Brittney	NA
## 720	d	C	F	Millennial	Cheyenne	NA
## 721	e	A	M	Boomer	Theodore	NA
## 722	e	A	M	Boomer	Bernard	NA
## 723	e	A	M	Boomer	Gene	NA
## 724	e	A	M	Boomer	Herbert	NA
## 725	e	A	M	Boomer	Ray	NA
## 726	e	A	M	Boomer	Tom	NA
## 727	e	A	M	Boomer	Lee	NA
## 728	e	A	M	Boomer	Alfred	NA
## 729	e	A	M	Boomer	Leroy	NA
## 730	e	A	M	Boomer	Eddie	NA
## 731	e	A	M	GenX	Marc	NA
## 732	e	A	M	GenX	Jamie	NA
## 733	e	A	M	GenX	Greg	NA
## 734	e	A	M	GenX	Darryl	NA
## 735	e	A	M	GenX	Tim	NA
## 736	e	A	M	GenX	Dean	NA
## 737	e	A	M	GenX	Jon	NA
## 738	e	A	M	GenX	Chris	NA
## 739	e	A	M	GenX	Troy	NA
## 740	e	A	M	GenX	Jeff	NA
## 741	e	A	M	Millennial	Zachary	NA
## 742	e	A	M	Millennial	Dylan	NA
## 743	e	A	M	Millennial	Christian	NA
## 744	e	A	M	Millennial	Wesley	NA
## 745	e	A	M	Millennial	Seth	NA
## 746	e	A	M	Millennial	Austin	NA
## 747	e	A	M	Millennial	Gabriel	NA
## 748	e	A	M	Millennial	Evan	NA
## 749	e	A	M	Millennial	Casey	NA
## 750	e	A	M	Millennial	Luis	NA
## 751	e	A	F	Boomer	Gloria	NA
## 752	e	A	F	Boomer	Joan	NA
## 753	e	A	F	Boomer	Dorothy	NA
## 754	e	A	F	Boomer	Shirley	NA
## 755	e	A	F	Boomer	Betty	NA

## 756	e	A	F	Boomer	Dianne	NA
## 757	e	A	F	Boomer	Kay	NA
## 758	e	A	F	Boomer	Marjorie	NA
## 759	e	A	F	Boomer	Lorraine	NA
## 760	e	A	F	Boomer	Mildred	NA
## 761	e	A	F	GenX	Tracy	NA
## 762	e	A	F	GenX	Dawn	NA
## 763	e	A	F	GenX	Tina	NA
## 764	e	A	F	GenX	Tammy	NA
## 765	e	A	F	GenX	Melinda	NA
## 766	e	A	F	GenX	Tamara	NA
## 767	e	A	F	GenX	Tracey	NA
## 768	e	A	F	GenX	Colleen	NA
## 769	e	A	F	GenX	Sherri	NA
## 770	e	A	F	GenX	Heidi	NA
## 771	e	A	F	Millennial	Samantha	NA
## 772	e	A	F	Millennial	Alexis	NA
## 773	e	A	F	Millennial	Brittany	NA
## 774	e	A	F	Millennial	Lauren	NA
## 775	e	A	F	Millennial	Taylor	NA
## 776	e	A	F	Millennial	Bethany	NA
## 777	e	A	F	Millennial	Latoya	NA
## 778	e	A	F	Millennial	Candice	NA
## 779	e	A	F	Millennial	Brittney	NA
## 780	e	A	F	Millennial	Cheyenne	NA
## 781	e	B	M	Boomer	Theodore	NA
## 782	e	B	M	Boomer	Bernard	NA
## 783	e	B	M	Boomer	Gene	NA
## 784	e	B	M	Boomer	Herbert	NA
## 785	e	B	M	Boomer	Ray	NA
## 786	e	B	M	Boomer	Tom	NA
## 787	e	B	M	Boomer	Lee	NA
## 788	e	B	M	Boomer	Alfred	NA
## 789	e	B	M	Boomer	Leroy	NA
## 790	e	B	M	Boomer	Eddie	NA
## 791	e	B	M	GenX	Marc	NA
## 792	e	B	M	GenX	Jamie	NA
## 793	e	B	M	GenX	Greg	NA
## 794	e	B	M	GenX	Darryl	NA
## 795	e	B	M	GenX	Tim	NA
## 796	e	B	M	GenX	Dean	NA
## 797	e	B	M	GenX	Jon	NA
## 798	e	B	M	GenX	Chris	NA
## 799	e	B	M	GenX	Troy	NA
## 800	e	B	M	GenX	Jeff	NA
## 801	e	B	M	Millennial	Zachary	NA
## 802	e	B	M	Millennial	Dylan	NA
## 803	e	B	M	Millennial	Christian	NA
## 804	e	B	M	Millennial	Wesley	NA
## 805	e	B	M	Millennial	Seth	NA
## 806	e	B	M	Millennial	Austin	NA
## 807	e	B	M	Millennial	Gabriel	NA
## 808	e	B	M	Millennial	Evan	NA
## 809	e	B	M	Millennial	Casey	NA

## 810	e	B	M	Millennial	Luis	NA
## 811	e	B	F	Boomer	Gloria	NA
## 812	e	B	F	Boomer	Joan	NA
## 813	e	B	F	Boomer	Dorothy	NA
## 814	e	B	F	Boomer	Shirley	NA
## 815	e	B	F	Boomer	Betty	NA
## 816	e	B	F	Boomer	Dianne	NA
## 817	e	B	F	Boomer	Kay	NA
## 818	e	B	F	Boomer	Marjorie	NA
## 819	e	B	F	Boomer	Lorraine	NA
## 820	e	B	F	Boomer	Mildred	NA
## 821	e	B	F	GenX	Tracy	NA
## 822	e	B	F	GenX	Dawn	NA
## 823	e	B	F	GenX	Tina	NA
## 824	e	B	F	GenX	Tammy	NA
## 825	e	B	F	GenX	Melinda	NA
## 826	e	B	F	GenX	Tamara	NA
## 827	e	B	F	GenX	Tracey	NA
## 828	e	B	F	GenX	Colleen	NA
## 829	e	B	F	GenX	Sherri	NA
## 830	e	B	F	GenX	Heidi	NA
## 831	e	B	F	Millennial	Samantha	NA
## 832	e	B	F	Millennial	Alexis	NA
## 833	e	B	F	Millennial	Brittany	NA
## 834	e	B	F	Millennial	Lauren	NA
## 835	e	B	F	Millennial	Taylor	NA
## 836	e	B	F	Millennial	Bethany	NA
## 837	e	B	F	Millennial	Latoya	NA
## 838	e	B	F	Millennial	Candice	NA
## 839	e	B	F	Millennial	Brittney	NA
## 840	e	B	F	Millennial	Cheyenne	NA
## 841	e	C	M	Boomer	Theodore	NA
## 842	e	C	M	Boomer	Bernard	NA
## 843	e	C	M	Boomer	Gene	NA
## 844	e	C	M	Boomer	Herbert	NA
## 845	e	C	M	Boomer	Ray	NA
## 846	e	C	M	Boomer	Tom	NA
## 847	e	C	M	Boomer	Lee	NA
## 848	e	C	M	Boomer	Alfred	NA
## 849	e	C	M	Boomer	Leroy	NA
## 850	e	C	M	Boomer	Eddie	NA
## 851	e	C	M	GenX	Marc	NA
## 852	e	C	M	GenX	Jamie	NA
## 853	e	C	M	GenX	Greg	NA
## 854	e	C	M	GenX	Darryl	NA
## 855	e	C	M	GenX	Tim	NA
## 856	e	C	M	GenX	Dean	NA
## 857	e	C	M	GenX	Jon	NA
## 858	e	C	M	GenX	Chris	NA
## 859	e	C	M	GenX	Troy	NA
## 860	e	C	M	GenX	Jeff	NA
## 861	e	C	M	Millennial	Zachary	NA
## 862	e	C	M	Millennial	Dylan	NA
## 863	e	C	M	Millennial	Christian	NA

## 864	e	C	M Millennial	Wesley NA
## 865	e	C	M Millennial	Seth NA
## 866	e	C	M Millennial	Austin NA
## 867	e	C	M Millennial	Gabriel NA
## 868	e	C	M Millennial	Evan NA
## 869	e	C	M Millennial	Casey NA
## 870	e	C	M Millennial	Luis NA
## 871	e	C	F Boomer	Gloria NA
## 872	e	C	F Boomer	Joan NA
## 873	e	C	F Boomer	Dorothy NA
## 874	e	C	F Boomer	Shirley NA
## 875	e	C	F Boomer	Betty NA
## 876	e	C	F Boomer	Dianne NA
## 877	e	C	F Boomer	Kay NA
## 878	e	C	F Boomer	Marjorie NA
## 879	e	C	F Boomer	Lorraine NA
## 880	e	C	F Boomer	Mildred NA
## 881	e	C	F GenX	Tracy NA
## 882	e	C	F GenX	Dawn NA
## 883	e	C	F GenX	Tina NA
## 884	e	C	F GenX	Tammy NA
## 885	e	C	F GenX	Melinda NA
## 886	e	C	F GenX	Tamara NA
## 887	e	C	F GenX	Tracey NA
## 888	e	C	F GenX	Colleen NA
## 889	e	C	F GenX	Sherri NA
## 890	e	C	F GenX	Heidi NA
## 891	e	C	F Millennial	Samantha NA
## 892	e	C	F Millennial	Alexis NA
## 893	e	C	F Millennial	Brittany NA
## 894	e	C	F Millennial	Lauren NA
## 895	e	C	F Millennial	Taylor NA
## 896	e	C	F Millennial	Bethany NA
## 897	e	C	F Millennial	Latoya NA
## 898	e	C	F Millennial	Candice NA
## 899	e	C	F Millennial	Brittney NA
## 900	e	C	F Millennial	Cheyenne NA
## 901	f	A	M Boomer	Theodore NA
## 902	f	A	M Boomer	Bernard NA
## 903	f	A	M Boomer	Gene NA
## 904	f	A	M Boomer	Herbert NA
## 905	f	A	M Boomer	Ray NA
## 906	f	A	M Boomer	Tom NA
## 907	f	A	M Boomer	Lee NA
## 908	f	A	M Boomer	Alfred NA
## 909	f	A	M Boomer	Leroy NA
## 910	f	A	M Boomer	Eddie NA
## 911	f	A	M GenX	Marc NA
## 912	f	A	M GenX	Jamie NA
## 913	f	A	M GenX	Greg NA
## 914	f	A	M GenX	Darryl NA
## 915	f	A	M GenX	Tim NA
## 916	f	A	M GenX	Dean NA
## 917	f	A	M GenX	Jon NA

## 918	f	A	M	GenX	Chris	NA
## 919	f	A	M	GenX	Troy	NA
## 920	f	A	M	GenX	Jeff	NA
## 921	f	A	M	Millennial	Zachary	NA
## 922	f	A	M	Millennial	Dylan	NA
## 923	f	A	M	Millennial	Christian	NA
## 924	f	A	M	Millennial	Wesley	NA
## 925	f	A	M	Millennial	Seth	NA
## 926	f	A	M	Millennial	Austin	NA
## 927	f	A	M	Millennial	Gabriel	NA
## 928	f	A	M	Millennial	Evan	NA
## 929	f	A	M	Millennial	Casey	NA
## 930	f	A	M	Millennial	Luis	NA
## 931	f	A	F	Boomer	Gloria	NA
## 932	f	A	F	Boomer	Joan	NA
## 933	f	A	F	Boomer	Dorothy	NA
## 934	f	A	F	Boomer	Shirley	NA
## 935	f	A	F	Boomer	Betty	NA
## 936	f	A	F	Boomer	Dianne	NA
## 937	f	A	F	Boomer	Kay	NA
## 938	f	A	F	Boomer	Marjorie	NA
## 939	f	A	F	Boomer	Lorraine	NA
## 940	f	A	F	Boomer	Mildred	NA
## 941	f	A	F	GenX	Tracy	NA
## 942	f	A	F	GenX	Dawn	NA
## 943	f	A	F	GenX	Tina	NA
## 944	f	A	F	GenX	Tammy	NA
## 945	f	A	F	GenX	Melinda	NA
## 946	f	A	F	GenX	Tamara	NA
## 947	f	A	F	GenX	Tracey	NA
## 948	f	A	F	GenX	Colleen	NA
## 949	f	A	F	GenX	Sherri	NA
## 950	f	A	F	GenX	Heidi	NA
## 951	f	A	F	Millennial	Samantha	NA
## 952	f	A	F	Millennial	Alexis	NA
## 953	f	A	F	Millennial	Brittany	NA
## 954	f	A	F	Millennial	Lauren	NA
## 955	f	A	F	Millennial	Taylor	NA
## 956	f	A	F	Millennial	Bethany	NA
## 957	f	A	F	Millennial	Latoya	NA
## 958	f	A	F	Millennial	Candice	NA
## 959	f	A	F	Millennial	Brittney	NA
## 960	f	A	F	Millennial	Cheyenne	NA
## 961	f	B	M	Boomer	Theodore	NA
## 962	f	B	M	Boomer	Bernard	NA
## 963	f	B	M	Boomer	Gene	NA
## 964	f	B	M	Boomer	Herbert	NA
## 965	f	B	M	Boomer	Ray	NA
## 966	f	B	M	Boomer	Tom	NA
## 967	f	B	M	Boomer	Lee	NA
## 968	f	B	M	Boomer	Alfred	NA
## 969	f	B	M	Boomer	Leroy	NA
## 970	f	B	M	Boomer	Eddie	NA
## 971	f	B	M	GenX	Marc	NA

## 972	f	B	M	GenX	Jamie NA
## 973	f	B	M	GenX	Greg NA
## 974	f	B	M	GenX	Darryl NA
## 975	f	B	M	GenX	Tim NA
## 976	f	B	M	GenX	Dean NA
## 977	f	B	M	GenX	Jon NA
## 978	f	B	M	GenX	Chris NA
## 979	f	B	M	GenX	Troy NA
## 980	f	B	M	GenX	Jeff NA
## 981	f	B	M	Millennial	Zachary NA
## 982	f	B	M	Millennial	Dylan NA
## 983	f	B	M	Millennial	Christian NA
## 984	f	B	M	Millennial	Wesley NA
## 985	f	B	M	Millennial	Seth NA
## 986	f	B	M	Millennial	Austin NA
## 987	f	B	M	Millennial	Gabriel NA
## 988	f	B	M	Millennial	Evan NA
## 989	f	B	M	Millennial	Casey NA
## 990	f	B	M	Millennial	Luis NA
## 991	f	B	F	Boomer	Gloria NA
## 992	f	B	F	Boomer	Joan NA
## 993	f	B	F	Boomer	Dorothy NA
## 994	f	B	F	Boomer	Shirley NA
## 995	f	B	F	Boomer	Betty NA
## 996	f	B	F	Boomer	Dianne NA
## 997	f	B	F	Boomer	Kay NA
## 998	f	B	F	Boomer	Marjorie NA
## 999	f	B	F	Boomer	Lorraine NA
## 1000	f	B	F	Boomer	Mildred NA
## 1001	f	B	F	GenX	Tracy NA
## 1002	f	B	F	GenX	Dawn NA
## 1003	f	B	F	GenX	Tina NA
## 1004	f	B	F	GenX	Tammy NA
## 1005	f	B	F	GenX	Melinda NA
## 1006	f	B	F	GenX	Tamara NA
## 1007	f	B	F	GenX	Tracey NA
## 1008	f	B	F	GenX	Colleen NA
## 1009	f	B	F	GenX	Sherri NA
## 1010	f	B	F	GenX	Heidi NA
## 1011	f	B	F	Millennial	Samantha NA
## 1012	f	B	F	Millennial	Alexis NA
## 1013	f	B	F	Millennial	Brittany NA
## 1014	f	B	F	Millennial	Lauren NA
## 1015	f	B	F	Millennial	Taylor NA
## 1016	f	B	F	Millennial	Bethany NA
## 1017	f	B	F	Millennial	Latoya NA
## 1018	f	B	F	Millennial	Candice NA
## 1019	f	B	F	Millennial	Brittney NA
## 1020	f	B	F	Millennial	Cheyenne NA
## 1021	f	C	M	Boomer	Theodore NA
## 1022	f	C	M	Boomer	Bernard NA
## 1023	f	C	M	Boomer	Gene NA
## 1024	f	C	M	Boomer	Herbert NA
## 1025	f	C	M	Boomer	Ray NA

## 1026	f	C	M	Boomer	Tom NA
## 1027	f	C	M	Boomer	Lee NA
## 1028	f	C	M	Boomer	Alfred NA
## 1029	f	C	M	Boomer	Leroy NA
## 1030	f	C	M	Boomer	Eddie NA
## 1031	f	C	M	GenX	Marc NA
## 1032	f	C	M	GenX	Jamie NA
## 1033	f	C	M	GenX	Greg NA
## 1034	f	C	M	GenX	Darryl NA
## 1035	f	C	M	GenX	Tim NA
## 1036	f	C	M	GenX	Dean NA
## 1037	f	C	M	GenX	Jon NA
## 1038	f	C	M	GenX	Chris NA
## 1039	f	C	M	GenX	Troy NA
## 1040	f	C	M	GenX	Jeff NA
## 1041	f	C	M	Millennial	Zachary NA
## 1042	f	C	M	Millennial	Dylan NA
## 1043	f	C	M	Millennial	Christian NA
## 1044	f	C	M	Millennial	Wesley NA
## 1045	f	C	M	Millennial	Seth NA
## 1046	f	C	M	Millennial	Austin NA
## 1047	f	C	M	Millennial	Gabriel NA
## 1048	f	C	M	Millennial	Evan NA
## 1049	f	C	M	Millennial	Casey NA
## 1050	f	C	M	Millennial	Luis NA
## 1051	f	C	F	Boomer	Gloria NA
## 1052	f	C	F	Boomer	Joan NA
## 1053	f	C	F	Boomer	Dorothy NA
## 1054	f	C	F	Boomer	Shirley NA
## 1055	f	C	F	Boomer	Betty NA
## 1056	f	C	F	Boomer	Dianne NA
## 1057	f	C	F	Boomer	Kay NA
## 1058	f	C	F	Boomer	Marjorie NA
## 1059	f	C	F	Boomer	Lorraine NA
## 1060	f	C	F	Boomer	Mildred NA
## 1061	f	C	F	GenX	Tracy NA
## 1062	f	C	F	GenX	Dawn NA
## 1063	f	C	F	GenX	Tina NA
## 1064	f	C	F	GenX	Tammy NA
## 1065	f	C	F	GenX	Melinda NA
## 1066	f	C	F	GenX	Tamara NA
## 1067	f	C	F	GenX	Tracey NA
## 1068	f	C	F	GenX	Colleen NA
## 1069	f	C	F	GenX	Sherri NA
## 1070	f	C	F	GenX	Heidi NA
## 1071	f	C	F	Millennial	Samantha NA
## 1072	f	C	F	Millennial	Alexis NA
## 1073	f	C	F	Millennial	Brittany NA
## 1074	f	C	F	Millennial	Lauren NA
## 1075	f	C	F	Millennial	Taylor NA
## 1076	f	C	F	Millennial	Bethany NA
## 1077	f	C	F	Millennial	Latoya NA
## 1078	f	C	F	Millennial	Candice NA
## 1079	f	C	F	Millennial	Brittney NA

## 1080	f	C	F Millennial	Cheyenne	NA
## 1081	g	A	M Boomer	Theodore	NA
## 1082	g	A	M Boomer	Bernard	NA
## 1083	g	A	M Boomer	Gene	NA
## 1084	g	A	M Boomer	Herbert	NA
## 1085	g	A	M Boomer	Ray	NA
## 1086	g	A	M Boomer	Tom	NA
## 1087	g	A	M Boomer	Lee	NA
## 1088	g	A	M Boomer	Alfred	NA
## 1089	g	A	M Boomer	Leroy	NA
## 1090	g	A	M Boomer	Eddie	NA
## 1091	g	A	M GenX	Marc	NA
## 1092	g	A	M GenX	Jamie	NA
## 1093	g	A	M GenX	Greg	NA
## 1094	g	A	M GenX	Darryl	NA
## 1095	g	A	M GenX	Tim	NA
## 1096	g	A	M GenX	Dean	NA
## 1097	g	A	M GenX	Jon	NA
## 1098	g	A	M GenX	Chris	NA
## 1099	g	A	M GenX	Troy	NA
## 1100	g	A	M GenX	Jeff	NA
## 1101	g	A	M Millennial	Zachary	NA
## 1102	g	A	M Millennial	Dylan	NA
## 1103	g	A	M Millennial	Christian	NA
## 1104	g	A	M Millennial	Wesley	NA
## 1105	g	A	M Millennial	Seth	NA
## 1106	g	A	M Millennial	Austin	NA
## 1107	g	A	M Millennial	Gabriel	NA
## 1108	g	A	M Millennial	Evan	NA
## 1109	g	A	M Millennial	Casey	NA
## 1110	g	A	M Millennial	Luis	NA
## 1111	g	A	F Boomer	Gloria	NA
## 1112	g	A	F Boomer	Joan	NA
## 1113	g	A	F Boomer	Dorothy	NA
## 1114	g	A	F Boomer	Shirley	NA
## 1115	g	A	F Boomer	Betty	NA
## 1116	g	A	F Boomer	Dianne	NA
## 1117	g	A	F Boomer	Kay	NA
## 1118	g	A	F Boomer	Marjorie	NA
## 1119	g	A	F Boomer	Lorraine	NA
## 1120	g	A	F Boomer	Mildred	NA
## 1121	g	A	F GenX	Tracy	NA
## 1122	g	A	F GenX	Dawn	NA
## 1123	g	A	F GenX	Tina	NA
## 1124	g	A	F GenX	Tammy	NA
## 1125	g	A	F GenX	Melinda	NA
## 1126	g	A	F GenX	Tamara	NA
## 1127	g	A	F GenX	Tracey	NA
## 1128	g	A	F GenX	Colleen	NA
## 1129	g	A	F GenX	Sherri	NA
## 1130	g	A	F GenX	Heidi	NA
## 1131	g	A	F Millennial	Samantha	NA
## 1132	g	A	F Millennial	Alexis	NA
## 1133	g	A	F Millennial	Brittany	NA

## 1134	g	A	F Millennial	Lauren NA
## 1135	g	A	F Millennial	Taylor NA
## 1136	g	A	F Millennial	Bethany NA
## 1137	g	A	F Millennial	Latoya NA
## 1138	g	A	F Millennial	Candice NA
## 1139	g	A	F Millennial	Brittney NA
## 1140	g	A	F Millennial	Cheyenne NA
## 1141	g	B	M Boomer	Theodore NA
## 1142	g	B	M Boomer	Bernard NA
## 1143	g	B	M Boomer	Gene NA
## 1144	g	B	M Boomer	Herbert NA
## 1145	g	B	M Boomer	Ray NA
## 1146	g	B	M Boomer	Tom NA
## 1147	g	B	M Boomer	Lee NA
## 1148	g	B	M Boomer	Alfred NA
## 1149	g	B	M Boomer	Leroy NA
## 1150	g	B	M Boomer	Eddie NA
## 1151	g	B	M GenX	Marc NA
## 1152	g	B	M GenX	Jamie NA
## 1153	g	B	M GenX	Greg NA
## 1154	g	B	M GenX	Darryl NA
## 1155	g	B	M GenX	Tim NA
## 1156	g	B	M GenX	Dean NA
## 1157	g	B	M GenX	Jon NA
## 1158	g	B	M GenX	Chris NA
## 1159	g	B	M GenX	Troy NA
## 1160	g	B	M GenX	Jeff NA
## 1161	g	B	M Millennial	Zachary NA
## 1162	g	B	M Millennial	Dylan NA
## 1163	g	B	M Millennial	Christian NA
## 1164	g	B	M Millennial	Wesley NA
## 1165	g	B	M Millennial	Seth NA
## 1166	g	B	M Millennial	Austin NA
## 1167	g	B	M Millennial	Gabriel NA
## 1168	g	B	M Millennial	Evan NA
## 1169	g	B	M Millennial	Casey NA
## 1170	g	B	M Millennial	Luis NA
## 1171	g	B	F Boomer	Gloria NA
## 1172	g	B	F Boomer	Joan NA
## 1173	g	B	F Boomer	Dorothy NA
## 1174	g	B	F Boomer	Shirley NA
## 1175	g	B	F Boomer	Betty NA
## 1176	g	B	F Boomer	Dianne NA
## 1177	g	B	F Boomer	Kay NA
## 1178	g	B	F Boomer	Marjorie NA
## 1179	g	B	F Boomer	Lorraine NA
## 1180	g	B	F Boomer	Mildred NA
## 1181	g	B	F GenX	Tracy NA
## 1182	g	B	F GenX	Dawn NA
## 1183	g	B	F GenX	Tina NA
## 1184	g	B	F GenX	Tammy NA
## 1185	g	B	F GenX	Melinda NA
## 1186	g	B	F GenX	Tamara NA
## 1187	g	B	F GenX	Tracey NA

## 1188	g	B	F	GenX	Colleen NA
## 1189	g	B	F	GenX	Sherri NA
## 1190	g	B	F	GenX	Heidi NA
## 1191	g	B	F	Millennial	Samantha NA
## 1192	g	B	F	Millennial	Alexis NA
## 1193	g	B	F	Millennial	Brittany NA
## 1194	g	B	F	Millennial	Lauren NA
## 1195	g	B	F	Millennial	Taylor NA
## 1196	g	B	F	Millennial	Bethany NA
## 1197	g	B	F	Millennial	Latoya NA
## 1198	g	B	F	Millennial	Candice NA
## 1199	g	B	F	Millennial	Brittney NA
## 1200	g	B	F	Millennial	Cheyenne NA
## 1201	g	C	M	Boomer	Theodore NA
## 1202	g	C	M	Boomer	Bernard NA
## 1203	g	C	M	Boomer	Gene NA
## 1204	g	C	M	Boomer	Herbert NA
## 1205	g	C	M	Boomer	Ray NA
## 1206	g	C	M	Boomer	Tom NA
## 1207	g	C	M	Boomer	Lee NA
## 1208	g	C	M	Boomer	Alfred NA
## 1209	g	C	M	Boomer	Leroy NA
## 1210	g	C	M	Boomer	Eddie NA
## 1211	g	C	M	GenX	Marc NA
## 1212	g	C	M	GenX	Jamie NA
## 1213	g	C	M	GenX	Greg NA
## 1214	g	C	M	GenX	Darryl NA
## 1215	g	C	M	GenX	Tim NA
## 1216	g	C	M	GenX	Dean NA
## 1217	g	C	M	GenX	Jon NA
## 1218	g	C	M	GenX	Chris NA
## 1219	g	C	M	GenX	Troy NA
## 1220	g	C	M	GenX	Jeff NA
## 1221	g	C	M	Millennial	Zachary NA
## 1222	g	C	M	Millennial	Dylan NA
## 1223	g	C	M	Millennial	Christian NA
## 1224	g	C	M	Millennial	Wesley NA
## 1225	g	C	M	Millennial	Seth NA
## 1226	g	C	M	Millennial	Austin NA
## 1227	g	C	M	Millennial	Gabriel NA
## 1228	g	C	M	Millennial	Evan NA
## 1229	g	C	M	Millennial	Casey NA
## 1230	g	C	M	Millennial	Luis NA
## 1231	g	C	F	Boomer	Gloria NA
## 1232	g	C	F	Boomer	Joan NA
## 1233	g	C	F	Boomer	Dorothy NA
## 1234	g	C	F	Boomer	Shirley NA
## 1235	g	C	F	Boomer	Betty NA
## 1236	g	C	F	Boomer	Dianne NA
## 1237	g	C	F	Boomer	Kay NA
## 1238	g	C	F	Boomer	Marjorie NA
## 1239	g	C	F	Boomer	Lorraine NA
## 1240	g	C	F	Boomer	Mildred NA
## 1241	g	C	F	GenX	Tracy NA

## 1242	g	C	F	GenX	Dawn NA
## 1243	g	C	F	GenX	Tina NA
## 1244	g	C	F	GenX	Tammy NA
## 1245	g	C	F	GenX	Melinda NA
## 1246	g	C	F	GenX	Tamara NA
## 1247	g	C	F	GenX	Tracey NA
## 1248	g	C	F	GenX	Colleen NA
## 1249	g	C	F	GenX	Sherri NA
## 1250	g	C	F	GenX	Heidi NA
## 1251	g	C	F	Millennial	Samantha NA
## 1252	g	C	F	Millennial	Alexis NA
## 1253	g	C	F	Millennial	Brittany NA
## 1254	g	C	F	Millennial	Lauren NA
## 1255	g	C	F	Millennial	Taylor NA
## 1256	g	C	F	Millennial	Bethany NA
## 1257	g	C	F	Millennial	Latoya NA
## 1258	g	C	F	Millennial	Candice NA
## 1259	g	C	F	Millennial	Brittney NA
## 1260	g	C	F	Millennial	Cheyenne NA
## 1261	h	A	M	Boomer	Theodore NA
## 1262	h	A	M	Boomer	Bernard NA
## 1263	h	A	M	Boomer	Gene NA
## 1264	h	A	M	Boomer	Herbert NA
## 1265	h	A	M	Boomer	Ray NA
## 1266	h	A	M	Boomer	Tom NA
## 1267	h	A	M	Boomer	Lee NA
## 1268	h	A	M	Boomer	Alfred NA
## 1269	h	A	M	Boomer	Leroy NA
## 1270	h	A	M	Boomer	Eddie NA
## 1271	h	A	M	GenX	Marc NA
## 1272	h	A	M	GenX	Jamie NA
## 1273	h	A	M	GenX	Greg NA
## 1274	h	A	M	GenX	Darryl NA
## 1275	h	A	M	GenX	Tim NA
## 1276	h	A	M	GenX	Dean NA
## 1277	h	A	M	GenX	Jon NA
## 1278	h	A	M	GenX	Chris NA
## 1279	h	A	M	GenX	Troy NA
## 1280	h	A	M	GenX	Jeff NA
## 1281	h	A	M	Millennial	Zachary NA
## 1282	h	A	M	Millennial	Dylan NA
## 1283	h	A	M	Millennial	Christian NA
## 1284	h	A	M	Millennial	Wesley NA
## 1285	h	A	M	Millennial	Seth NA
## 1286	h	A	M	Millennial	Austin NA
## 1287	h	A	M	Millennial	Gabriel NA
## 1288	h	A	M	Millennial	Evan NA
## 1289	h	A	M	Millennial	Casey NA
## 1290	h	A	M	Millennial	Luis NA
## 1291	h	A	F	Boomer	Gloria NA
## 1292	h	A	F	Boomer	Joan NA
## 1293	h	A	F	Boomer	Dorothy NA
## 1294	h	A	F	Boomer	Shirley NA
## 1295	h	A	F	Boomer	Betty NA

## 1296	h	A	F	Boomer	Dianne	NA
## 1297	h	A	F	Boomer	Kay	NA
## 1298	h	A	F	Boomer	Marjorie	NA
## 1299	h	A	F	Boomer	Lorraine	NA
## 1300	h	A	F	Boomer	Mildred	NA
## 1301	h	A	F	GenX	Tracy	NA
## 1302	h	A	F	GenX	Dawn	NA
## 1303	h	A	F	GenX	Tina	NA
## 1304	h	A	F	GenX	Tammy	NA
## 1305	h	A	F	GenX	Melinda	NA
## 1306	h	A	F	GenX	Tamara	NA
## 1307	h	A	F	GenX	Tracey	NA
## 1308	h	A	F	GenX	Colleen	NA
## 1309	h	A	F	GenX	Sherri	NA
## 1310	h	A	F	GenX	Heidi	NA
## 1311	h	A	F	Millennial	Samantha	NA
## 1312	h	A	F	Millennial	Alexis	NA
## 1313	h	A	F	Millennial	Brittany	NA
## 1314	h	A	F	Millennial	Lauren	NA
## 1315	h	A	F	Millennial	Taylor	NA
## 1316	h	A	F	Millennial	Bethany	NA
## 1317	h	A	F	Millennial	Latoya	NA
## 1318	h	A	F	Millennial	Candice	NA
## 1319	h	A	F	Millennial	Brittney	NA
## 1320	h	A	F	Millennial	Cheyenne	NA
## 1321	h	B	M	Boomer	Theodore	NA
## 1322	h	B	M	Boomer	Bernard	NA
## 1323	h	B	M	Boomer	Gene	NA
## 1324	h	B	M	Boomer	Herbert	NA
## 1325	h	B	M	Boomer	Ray	NA
## 1326	h	B	M	Boomer	Tom	NA
## 1327	h	B	M	Boomer	Lee	NA
## 1328	h	B	M	Boomer	Alfred	NA
## 1329	h	B	M	Boomer	Leroy	NA
## 1330	h	B	M	Boomer	Eddie	NA
## 1331	h	B	M	GenX	Marc	NA
## 1332	h	B	M	GenX	Jamie	NA
## 1333	h	B	M	GenX	Greg	NA
## 1334	h	B	M	GenX	Darryl	NA
## 1335	h	B	M	GenX	Tim	NA
## 1336	h	B	M	GenX	Dean	NA
## 1337	h	B	M	GenX	Jon	NA
## 1338	h	B	M	GenX	Chris	NA
## 1339	h	B	M	GenX	Troy	NA
## 1340	h	B	M	GenX	Jeff	NA
## 1341	h	B	M	Millennial	Zachary	NA
## 1342	h	B	M	Millennial	Dylan	NA
## 1343	h	B	M	Millennial	Christian	NA
## 1344	h	B	M	Millennial	Wesley	NA
## 1345	h	B	M	Millennial	Seth	NA
## 1346	h	B	M	Millennial	Austin	NA
## 1347	h	B	M	Millennial	Gabriel	NA
## 1348	h	B	M	Millennial	Evan	NA
## 1349	h	B	M	Millennial	Casey	NA

## 1350	h	B	M Millennial	Luis NA
## 1351	h	B	F Boomer	Gloria NA
## 1352	h	B	F Boomer	Joan NA
## 1353	h	B	F Boomer	Dorothy NA
## 1354	h	B	F Boomer	Shirley NA
## 1355	h	B	F Boomer	Betty NA
## 1356	h	B	F Boomer	Dianne NA
## 1357	h	B	F Boomer	Kay NA
## 1358	h	B	F Boomer	Marjorie NA
## 1359	h	B	F Boomer	Lorraine NA
## 1360	h	B	F Boomer	Mildred NA
## 1361	h	B	F GenX	Tracy NA
## 1362	h	B	F GenX	Dawn NA
## 1363	h	B	F GenX	Tina NA
## 1364	h	B	F GenX	Tammy NA
## 1365	h	B	F GenX	Melinda NA
## 1366	h	B	F GenX	Tamara NA
## 1367	h	B	F GenX	Tracey NA
## 1368	h	B	F GenX	Colleen NA
## 1369	h	B	F GenX	Sherri NA
## 1370	h	B	F GenX	Heidi NA
## 1371	h	B	F Millennial	Samantha NA
## 1372	h	B	F Millennial	Alexis NA
## 1373	h	B	F Millennial	Brittany NA
## 1374	h	B	F Millennial	Lauren NA
## 1375	h	B	F Millennial	Taylor NA
## 1376	h	B	F Millennial	Bethany NA
## 1377	h	B	F Millennial	Latoya NA
## 1378	h	B	F Millennial	Candice NA
## 1379	h	B	F Millennial	Brittney NA
## 1380	h	B	F Millennial	Cheyenne NA
## 1381	h	C	M Boomer	Theodore NA
## 1382	h	C	M Boomer	Bernard NA
## 1383	h	C	M Boomer	Gene NA
## 1384	h	C	M Boomer	Herbert NA
## 1385	h	C	M Boomer	Ray NA
## 1386	h	C	M Boomer	Tom NA
## 1387	h	C	M Boomer	Lee NA
## 1388	h	C	M Boomer	Alfred NA
## 1389	h	C	M Boomer	Leroy NA
## 1390	h	C	M Boomer	Eddie NA
## 1391	h	C	M GenX	Marc NA
## 1392	h	C	M GenX	Jamie NA
## 1393	h	C	M GenX	Greg NA
## 1394	h	C	M GenX	Darryl NA
## 1395	h	C	M GenX	Tim NA
## 1396	h	C	M GenX	Dean NA
## 1397	h	C	M GenX	Jon NA
## 1398	h	C	M GenX	Chris NA
## 1399	h	C	M GenX	Troy NA
## 1400	h	C	M GenX	Jeff NA
## 1401	h	C	M Millennial	Zachary NA
## 1402	h	C	M Millennial	Dylan NA
## 1403	h	C	M Millennial	Christian NA

## 1404	h	C	M Millennial	Wesley NA
## 1405	h	C	M Millennial	Seth NA
## 1406	h	C	M Millennial	Austin NA
## 1407	h	C	M Millennial	Gabriel NA
## 1408	h	C	M Millennial	Evan NA
## 1409	h	C	M Millennial	Casey NA
## 1410	h	C	M Millennial	Luis NA
## 1411	h	C	F Boomer	Gloria NA
## 1412	h	C	F Boomer	Joan NA
## 1413	h	C	F Boomer	Dorothy NA
## 1414	h	C	F Boomer	Shirley NA
## 1415	h	C	F Boomer	Betty NA
## 1416	h	C	F Boomer	Dianne NA
## 1417	h	C	F Boomer	Kay NA
## 1418	h	C	F Boomer	Marjorie NA
## 1419	h	C	F Boomer	Lorraine NA
## 1420	h	C	F Boomer	Mildred NA
## 1421	h	C	F GenX	Tracy NA
## 1422	h	C	F GenX	Dawn NA
## 1423	h	C	F GenX	Tina NA
## 1424	h	C	F GenX	Tammy NA
## 1425	h	C	F GenX	Melinda NA
## 1426	h	C	F GenX	Tamara NA
## 1427	h	C	F GenX	Tracey NA
## 1428	h	C	F GenX	Colleen NA
## 1429	h	C	F GenX	Sherri NA
## 1430	h	C	F GenX	Heidi NA
## 1431	h	C	F Millennial	Samantha NA
## 1432	h	C	F Millennial	Alexis NA
## 1433	h	C	F Millennial	Brittany NA
## 1434	h	C	F Millennial	Lauren NA
## 1435	h	C	F Millennial	Taylor NA
## 1436	h	C	F Millennial	Bethany NA
## 1437	h	C	F Millennial	Latoya NA
## 1438	h	C	F Millennial	Candice NA
## 1439	h	C	F Millennial	Brittney NA
## 1440	h	C	F Millennial	Cheyenne NA
## 1441	i	A	M Boomer	Theodore NA
## 1442	i	A	M Boomer	Bernard NA
## 1443	i	A	M Boomer	Gene NA
## 1444	i	A	M Boomer	Herbert NA
## 1445	i	A	M Boomer	Ray NA
## 1446	i	A	M Boomer	Tom NA
## 1447	i	A	M Boomer	Lee NA
## 1448	i	A	M Boomer	Alfred NA
## 1449	i	A	M Boomer	Leroy NA
## 1450	i	A	M Boomer	Eddie NA
## 1451	i	A	M GenX	Marc NA
## 1452	i	A	M GenX	Jamie NA
## 1453	i	A	M GenX	Greg NA
## 1454	i	A	M GenX	Darryl NA
## 1455	i	A	M GenX	Tim NA
## 1456	i	A	M GenX	Dean NA
## 1457	i	A	M GenX	Jon NA

## 1458	i	A	M	GenX	Chris	NA
## 1459	i	A	M	GenX	Troy	NA
## 1460	i	A	M	GenX	Jeff	NA
## 1461	i	A	M	Millennial	Zachary	NA
## 1462	i	A	M	Millennial	Dylan	NA
## 1463	i	A	M	Millennial	Christian	NA
## 1464	i	A	M	Millennial	Wesley	NA
## 1465	i	A	M	Millennial	Seth	NA
## 1466	i	A	M	Millennial	Austin	NA
## 1467	i	A	M	Millennial	Gabriel	NA
## 1468	i	A	M	Millennial	Evan	NA
## 1469	i	A	M	Millennial	Casey	NA
## 1470	i	A	M	Millennial	Luis	NA
## 1471	i	A	F	Boomer	Gloria	NA
## 1472	i	A	F	Boomer	Joan	NA
## 1473	i	A	F	Boomer	Dorothy	NA
## 1474	i	A	F	Boomer	Shirley	NA
## 1475	i	A	F	Boomer	Betty	NA
## 1476	i	A	F	Boomer	Dianne	NA
## 1477	i	A	F	Boomer	Kay	NA
## 1478	i	A	F	Boomer	Marjorie	NA
## 1479	i	A	F	Boomer	Lorraine	NA
## 1480	i	A	F	Boomer	Mildred	NA
## 1481	i	A	F	GenX	Tracy	NA
## 1482	i	A	F	GenX	Dawn	NA
## 1483	i	A	F	GenX	Tina	NA
## 1484	i	A	F	GenX	Tammy	NA
## 1485	i	A	F	GenX	Melinda	NA
## 1486	i	A	F	GenX	Tamara	NA
## 1487	i	A	F	GenX	Tracey	NA
## 1488	i	A	F	GenX	Colleen	NA
## 1489	i	A	F	GenX	Sherri	NA
## 1490	i	A	F	GenX	Heidi	NA
## 1491	i	A	F	Millennial	Samantha	NA
## 1492	i	A	F	Millennial	Alexis	NA
## 1493	i	A	F	Millennial	Brittany	NA
## 1494	i	A	F	Millennial	Lauren	NA
## 1495	i	A	F	Millennial	Taylor	NA
## 1496	i	A	F	Millennial	Bethany	NA
## 1497	i	A	F	Millennial	Latoya	NA
## 1498	i	A	F	Millennial	Candice	NA
## 1499	i	A	F	Millennial	Brittney	NA
## 1500	i	A	F	Millennial	Cheyenne	NA
## 1501	i	B	M	Boomer	Theodore	NA
## 1502	i	B	M	Boomer	Bernard	NA
## 1503	i	B	M	Boomer	Gene	NA
## 1504	i	B	M	Boomer	Herbert	NA
## 1505	i	B	M	Boomer	Ray	NA
## 1506	i	B	M	Boomer	Tom	NA
## 1507	i	B	M	Boomer	Lee	NA
## 1508	i	B	M	Boomer	Alfred	NA
## 1509	i	B	M	Boomer	Leroy	NA
## 1510	i	B	M	Boomer	Eddie	NA
## 1511	i	B	M	GenX	Marc	NA

## 1512	i	B	M	GenX	Jamie NA
## 1513	i	B	M	GenX	Greg NA
## 1514	i	B	M	GenX	Darryl NA
## 1515	i	B	M	GenX	Tim NA
## 1516	i	B	M	GenX	Dean NA
## 1517	i	B	M	GenX	Jon NA
## 1518	i	B	M	GenX	Chris NA
## 1519	i	B	M	GenX	Troy NA
## 1520	i	B	M	GenX	Jeff NA
## 1521	i	B	M	Millennial	Zachary NA
## 1522	i	B	M	Millennial	Dylan NA
## 1523	i	B	M	Millennial	Christian NA
## 1524	i	B	M	Millennial	Wesley NA
## 1525	i	B	M	Millennial	Seth NA
## 1526	i	B	M	Millennial	Austin NA
## 1527	i	B	M	Millennial	Gabriel NA
## 1528	i	B	M	Millennial	Evan NA
## 1529	i	B	M	Millennial	Casey NA
## 1530	i	B	M	Millennial	Luis NA
## 1531	i	B	F	Boomer	Gloria NA
## 1532	i	B	F	Boomer	Joan NA
## 1533	i	B	F	Boomer	Dorothy NA
## 1534	i	B	F	Boomer	Shirley NA
## 1535	i	B	F	Boomer	Betty NA
## 1536	i	B	F	Boomer	Dianne NA
## 1537	i	B	F	Boomer	Kay NA
## 1538	i	B	F	Boomer	Marjorie NA
## 1539	i	B	F	Boomer	Lorraine NA
## 1540	i	B	F	Boomer	Mildred NA
## 1541	i	B	F	GenX	Tracy NA
## 1542	i	B	F	GenX	Dawn NA
## 1543	i	B	F	GenX	Tina NA
## 1544	i	B	F	GenX	Tammy NA
## 1545	i	B	F	GenX	Melinda NA
## 1546	i	B	F	GenX	Tamara NA
## 1547	i	B	F	GenX	Tracey NA
## 1548	i	B	F	GenX	Colleen NA
## 1549	i	B	F	GenX	Sherri NA
## 1550	i	B	F	GenX	Heidi NA
## 1551	i	B	F	Millennial	Samantha NA
## 1552	i	B	F	Millennial	Alexis NA
## 1553	i	B	F	Millennial	Brittany NA
## 1554	i	B	F	Millennial	Lauren NA
## 1555	i	B	F	Millennial	Taylor NA
## 1556	i	B	F	Millennial	Bethany NA
## 1557	i	B	F	Millennial	Latoya NA
## 1558	i	B	F	Millennial	Candice NA
## 1559	i	B	F	Millennial	Brittney NA
## 1560	i	B	F	Millennial	Cheyenne NA
## 1561	i	C	M	Boomer	Theodore NA
## 1562	i	C	M	Boomer	Bernard NA
## 1563	i	C	M	Boomer	Gene NA
## 1564	i	C	M	Boomer	Herbert NA
## 1565	i	C	M	Boomer	Ray NA

## 1566	i	C	M	Boomer	Tom NA
## 1567	i	C	M	Boomer	Lee NA
## 1568	i	C	M	Boomer	Alfred NA
## 1569	i	C	M	Boomer	Leroy NA
## 1570	i	C	M	Boomer	Eddie NA
## 1571	i	C	M	GenX	Marc NA
## 1572	i	C	M	GenX	Jamie NA
## 1573	i	C	M	GenX	Greg NA
## 1574	i	C	M	GenX	Darryl NA
## 1575	i	C	M	GenX	Tim NA
## 1576	i	C	M	GenX	Dean NA
## 1577	i	C	M	GenX	Jon NA
## 1578	i	C	M	GenX	Chris NA
## 1579	i	C	M	GenX	Troy NA
## 1580	i	C	M	GenX	Jeff NA
## 1581	i	C	M	Millennial	Zachary NA
## 1582	i	C	M	Millennial	Dylan NA
## 1583	i	C	M	Millennial	Christian NA
## 1584	i	C	M	Millennial	Wesley NA
## 1585	i	C	M	Millennial	Seth NA
## 1586	i	C	M	Millennial	Austin NA
## 1587	i	C	M	Millennial	Gabriel NA
## 1588	i	C	M	Millennial	Evan NA
## 1589	i	C	M	Millennial	Casey NA
## 1590	i	C	M	Millennial	Luis NA
## 1591	i	C	F	Boomer	Gloria NA
## 1592	i	C	F	Boomer	Joan NA
## 1593	i	C	F	Boomer	Dorothy NA
## 1594	i	C	F	Boomer	Shirley NA
## 1595	i	C	F	Boomer	Betty NA
## 1596	i	C	F	Boomer	Dianne NA
## 1597	i	C	F	Boomer	Kay NA
## 1598	i	C	F	Boomer	Marjorie NA
## 1599	i	C	F	Boomer	Lorraine NA
## 1600	i	C	F	Boomer	Mildred NA
## 1601	i	C	F	GenX	Tracy NA
## 1602	i	C	F	GenX	Dawn NA
## 1603	i	C	F	GenX	Tina NA
## 1604	i	C	F	GenX	Tammy NA
## 1605	i	C	F	GenX	Melinda NA
## 1606	i	C	F	GenX	Tamara NA
## 1607	i	C	F	GenX	Tracey NA
## 1608	i	C	F	GenX	Colleen NA
## 1609	i	C	F	GenX	Sherri NA
## 1610	i	C	F	GenX	Heidi NA
## 1611	i	C	F	Millennial	Samantha NA
## 1612	i	C	F	Millennial	Alexis NA
## 1613	i	C	F	Millennial	Brittany NA
## 1614	i	C	F	Millennial	Lauren NA
## 1615	i	C	F	Millennial	Taylor NA
## 1616	i	C	F	Millennial	Bethany NA
## 1617	i	C	F	Millennial	Latoya NA
## 1618	i	C	F	Millennial	Candice NA
## 1619	i	C	F	Millennial	Brittney NA

## 1620	i	C	F Millennial	Cheyenne	NA
## 1621	j	A	M Boomer	Theodore	NA
## 1622	j	A	M Boomer	Bernard	NA
## 1623	j	A	M Boomer	Gene	NA
## 1624	j	A	M Boomer	Herbert	NA
## 1625	j	A	M Boomer	Ray	NA
## 1626	j	A	M Boomer	Tom	NA
## 1627	j	A	M Boomer	Lee	NA
## 1628	j	A	M Boomer	Alfred	NA
## 1629	j	A	M Boomer	Leroy	NA
## 1630	j	A	M Boomer	Eddie	NA
## 1631	j	A	M GenX	Marc	NA
## 1632	j	A	M GenX	Jamie	NA
## 1633	j	A	M GenX	Greg	NA
## 1634	j	A	M GenX	Darryl	NA
## 1635	j	A	M GenX	Tim	NA
## 1636	j	A	M GenX	Dean	NA
## 1637	j	A	M GenX	Jon	NA
## 1638	j	A	M GenX	Chris	NA
## 1639	j	A	M GenX	Troy	NA
## 1640	j	A	M GenX	Jeff	NA
## 1641	j	A	M Millennial	Zachary	NA
## 1642	j	A	M Millennial	Dylan	NA
## 1643	j	A	M Millennial	Christian	NA
## 1644	j	A	M Millennial	Wesley	NA
## 1645	j	A	M Millennial	Seth	NA
## 1646	j	A	M Millennial	Austin	NA
## 1647	j	A	M Millennial	Gabriel	NA
## 1648	j	A	M Millennial	Evan	NA
## 1649	j	A	M Millennial	Casey	NA
## 1650	j	A	M Millennial	Luis	NA
## 1651	j	A	F Boomer	Gloria	NA
## 1652	j	A	F Boomer	Joan	NA
## 1653	j	A	F Boomer	Dorothy	NA
## 1654	j	A	F Boomer	Shirley	NA
## 1655	j	A	F Boomer	Betty	NA
## 1656	j	A	F Boomer	Dianne	NA
## 1657	j	A	F Boomer	Kay	NA
## 1658	j	A	F Boomer	Marjorie	NA
## 1659	j	A	F Boomer	Lorraine	NA
## 1660	j	A	F Boomer	Mildred	NA
## 1661	j	A	F GenX	Tracy	NA
## 1662	j	A	F GenX	Dawn	NA
## 1663	j	A	F GenX	Tina	NA
## 1664	j	A	F GenX	Tammy	NA
## 1665	j	A	F GenX	Melinda	NA
## 1666	j	A	F GenX	Tamara	NA
## 1667	j	A	F GenX	Tracey	NA
## 1668	j	A	F GenX	Colleen	NA
## 1669	j	A	F GenX	Sherri	NA
## 1670	j	A	F GenX	Heidi	NA
## 1671	j	A	F Millennial	Samantha	NA
## 1672	j	A	F Millennial	Alexis	NA
## 1673	j	A	F Millennial	Brittany	NA

## 1674	j	A	F Millennial	Lauren NA
## 1675	j	A	F Millennial	Taylor NA
## 1676	j	A	F Millennial	Bethany NA
## 1677	j	A	F Millennial	Latoya NA
## 1678	j	A	F Millennial	Candice NA
## 1679	j	A	F Millennial	Brittney NA
## 1680	j	A	F Millennial	Cheyenne NA
## 1681	j	B	M Boomer	Theodore NA
## 1682	j	B	M Boomer	Bernard NA
## 1683	j	B	M Boomer	Gene NA
## 1684	j	B	M Boomer	Herbert NA
## 1685	j	B	M Boomer	Ray NA
## 1686	j	B	M Boomer	Tom NA
## 1687	j	B	M Boomer	Lee NA
## 1688	j	B	M Boomer	Alfred NA
## 1689	j	B	M Boomer	Leroy NA
## 1690	j	B	M Boomer	Eddie NA
## 1691	j	B	M GenX	Marc NA
## 1692	j	B	M GenX	Jamie NA
## 1693	j	B	M GenX	Greg NA
## 1694	j	B	M GenX	Darryl NA
## 1695	j	B	M GenX	Tim NA
## 1696	j	B	M GenX	Dean NA
## 1697	j	B	M GenX	Jon NA
## 1698	j	B	M GenX	Chris NA
## 1699	j	B	M GenX	Troy NA
## 1700	j	B	M GenX	Jeff NA
## 1701	j	B	M Millennial	Zachary NA
## 1702	j	B	M Millennial	Dylan NA
## 1703	j	B	M Millennial	Christian NA
## 1704	j	B	M Millennial	Wesley NA
## 1705	j	B	M Millennial	Seth NA
## 1706	j	B	M Millennial	Austin NA
## 1707	j	B	M Millennial	Gabriel NA
## 1708	j	B	M Millennial	Evan NA
## 1709	j	B	M Millennial	Casey NA
## 1710	j	B	M Millennial	Luis NA
## 1711	j	B	F Boomer	Gloria NA
## 1712	j	B	F Boomer	Joan NA
## 1713	j	B	F Boomer	Dorothy NA
## 1714	j	B	F Boomer	Shirley NA
## 1715	j	B	F Boomer	Betty NA
## 1716	j	B	F Boomer	Dianne NA
## 1717	j	B	F Boomer	Kay NA
## 1718	j	B	F Boomer	Marjorie NA
## 1719	j	B	F Boomer	Lorraine NA
## 1720	j	B	F Boomer	Mildred NA
## 1721	j	B	F GenX	Tracy NA
## 1722	j	B	F GenX	Dawn NA
## 1723	j	B	F GenX	Tina NA
## 1724	j	B	F GenX	Tammy NA
## 1725	j	B	F GenX	Melinda NA
## 1726	j	B	F GenX	Tamara NA
## 1727	j	B	F GenX	Tracey NA

## 1728	j	B	F	GenX	Colleen NA
## 1729	j	B	F	GenX	Sherri NA
## 1730	j	B	F	GenX	Heidi NA
## 1731	j	B	F	Millennial	Samantha NA
## 1732	j	B	F	Millennial	Alexis NA
## 1733	j	B	F	Millennial	Brittany NA
## 1734	j	B	F	Millennial	Lauren NA
## 1735	j	B	F	Millennial	Taylor NA
## 1736	j	B	F	Millennial	Bethany NA
## 1737	j	B	F	Millennial	Latoya NA
## 1738	j	B	F	Millennial	Candice NA
## 1739	j	B	F	Millennial	Brittney NA
## 1740	j	B	F	Millennial	Cheyenne NA
## 1741	j	C	M	Boomer	Theodore NA
## 1742	j	C	M	Boomer	Bernard NA
## 1743	j	C	M	Boomer	Gene NA
## 1744	j	C	M	Boomer	Herbert NA
## 1745	j	C	M	Boomer	Ray NA
## 1746	j	C	M	Boomer	Tom NA
## 1747	j	C	M	Boomer	Lee NA
## 1748	j	C	M	Boomer	Alfred NA
## 1749	j	C	M	Boomer	Leroy NA
## 1750	j	C	M	Boomer	Eddie NA
## 1751	j	C	M	GenX	Marc NA
## 1752	j	C	M	GenX	Jamie NA
## 1753	j	C	M	GenX	Greg NA
## 1754	j	C	M	GenX	Darryl NA
## 1755	j	C	M	GenX	Tim NA
## 1756	j	C	M	GenX	Dean NA
## 1757	j	C	M	GenX	Jon NA
## 1758	j	C	M	GenX	Chris NA
## 1759	j	C	M	GenX	Troy NA
## 1760	j	C	M	GenX	Jeff NA
## 1761	j	C	M	Millennial	Zachary NA
## 1762	j	C	M	Millennial	Dylan NA
## 1763	j	C	M	Millennial	Christian NA
## 1764	j	C	M	Millennial	Wesley NA
## 1765	j	C	M	Millennial	Seth NA
## 1766	j	C	M	Millennial	Austin NA
## 1767	j	C	M	Millennial	Gabriel NA
## 1768	j	C	M	Millennial	Evan NA
## 1769	j	C	M	Millennial	Casey NA
## 1770	j	C	M	Millennial	Luis NA
## 1771	j	C	F	Boomer	Gloria NA
## 1772	j	C	F	Boomer	Joan NA
## 1773	j	C	F	Boomer	Dorothy NA
## 1774	j	C	F	Boomer	Shirley NA
## 1775	j	C	F	Boomer	Betty NA
## 1776	j	C	F	Boomer	Dianne NA
## 1777	j	C	F	Boomer	Kay NA
## 1778	j	C	F	Boomer	Marjorie NA
## 1779	j	C	F	Boomer	Lorraine NA
## 1780	j	C	F	Boomer	Mildred NA
## 1781	j	C	F	GenX	Tracy NA

## 1782	j	C	F	GenX	Dawn NA
## 1783	j	C	F	GenX	Tina NA
## 1784	j	C	F	GenX	Tammy NA
## 1785	j	C	F	GenX	Melinda NA
## 1786	j	C	F	GenX	Tamara NA
## 1787	j	C	F	GenX	Tracey NA
## 1788	j	C	F	GenX	Colleen NA
## 1789	j	C	F	GenX	Sherri NA
## 1790	j	C	F	GenX	Heidi NA
## 1791	j	C	F	Millennial	Samantha NA
## 1792	j	C	F	Millennial	Alexis NA
## 1793	j	C	F	Millennial	Brittany NA
## 1794	j	C	F	Millennial	Lauren NA
## 1795	j	C	F	Millennial	Taylor NA
## 1796	j	C	F	Millennial	Bethany NA
## 1797	j	C	F	Millennial	Latoya NA
## 1798	j	C	F	Millennial	Candice NA
## 1799	j	C	F	Millennial	Brittney NA
## 1800	j	C	F	Millennial	Cheyenne NA
## 1801	k	A	M	Boomer	Theodore NA
## 1802	k	A	M	Boomer	Bernard NA
## 1803	k	A	M	Boomer	Gene NA
## 1804	k	A	M	Boomer	Herbert NA
## 1805	k	A	M	Boomer	Ray NA
## 1806	k	A	M	Boomer	Tom NA
## 1807	k	A	M	Boomer	Lee NA
## 1808	k	A	M	Boomer	Alfred NA
## 1809	k	A	M	Boomer	Leroy NA
## 1810	k	A	M	Boomer	Eddie NA
## 1811	k	A	M	GenX	Marc NA
## 1812	k	A	M	GenX	Jamie NA
## 1813	k	A	M	GenX	Greg NA
## 1814	k	A	M	GenX	Darryl NA
## 1815	k	A	M	GenX	Tim NA
## 1816	k	A	M	GenX	Dean NA
## 1817	k	A	M	GenX	Jon NA
## 1818	k	A	M	GenX	Chris NA
## 1819	k	A	M	GenX	Troy NA
## 1820	k	A	M	GenX	Jeff NA
## 1821	k	A	M	Millennial	Zachary NA
## 1822	k	A	M	Millennial	Dylan NA
## 1823	k	A	M	Millennial	Christian NA
## 1824	k	A	M	Millennial	Wesley NA
## 1825	k	A	M	Millennial	Seth NA
## 1826	k	A	M	Millennial	Austin NA
## 1827	k	A	M	Millennial	Gabriel NA
## 1828	k	A	M	Millennial	Evan NA
## 1829	k	A	M	Millennial	Casey NA
## 1830	k	A	M	Millennial	Luis NA
## 1831	k	A	F	Boomer	Gloria NA
## 1832	k	A	F	Boomer	Joan NA
## 1833	k	A	F	Boomer	Dorothy NA
## 1834	k	A	F	Boomer	Shirley NA
## 1835	k	A	F	Boomer	Betty NA

## 1836	k	A	F	Boomer	Dianne	NA
## 1837	k	A	F	Boomer	Kay	NA
## 1838	k	A	F	Boomer	Marjorie	NA
## 1839	k	A	F	Boomer	Lorraine	NA
## 1840	k	A	F	Boomer	Mildred	NA
## 1841	k	A	F	GenX	Tracy	NA
## 1842	k	A	F	GenX	Dawn	NA
## 1843	k	A	F	GenX	Tina	NA
## 1844	k	A	F	GenX	Tammy	NA
## 1845	k	A	F	GenX	Melinda	NA
## 1846	k	A	F	GenX	Tamara	NA
## 1847	k	A	F	GenX	Tracey	NA
## 1848	k	A	F	GenX	Colleen	NA
## 1849	k	A	F	GenX	Sherri	NA
## 1850	k	A	F	GenX	Heidi	NA
## 1851	k	A	F	Millennial	Samantha	NA
## 1852	k	A	F	Millennial	Alexis	NA
## 1853	k	A	F	Millennial	Brittany	NA
## 1854	k	A	F	Millennial	Lauren	NA
## 1855	k	A	F	Millennial	Taylor	NA
## 1856	k	A	F	Millennial	Bethany	NA
## 1857	k	A	F	Millennial	Latoya	NA
## 1858	k	A	F	Millennial	Candice	NA
## 1859	k	A	F	Millennial	Brittney	NA
## 1860	k	A	F	Millennial	Cheyenne	NA
## 1861	k	B	M	Boomer	Theodore	NA
## 1862	k	B	M	Boomer	Bernard	NA
## 1863	k	B	M	Boomer	Gene	NA
## 1864	k	B	M	Boomer	Herbert	NA
## 1865	k	B	M	Boomer	Ray	NA
## 1866	k	B	M	Boomer	Tom	NA
## 1867	k	B	M	Boomer	Lee	NA
## 1868	k	B	M	Boomer	Alfred	NA
## 1869	k	B	M	Boomer	Leroy	NA
## 1870	k	B	M	Boomer	Eddie	NA
## 1871	k	B	M	GenX	Marc	NA
## 1872	k	B	M	GenX	Jamie	NA
## 1873	k	B	M	GenX	Greg	NA
## 1874	k	B	M	GenX	Darryl	NA
## 1875	k	B	M	GenX	Tim	NA
## 1876	k	B	M	GenX	Dean	NA
## 1877	k	B	M	GenX	Jon	NA
## 1878	k	B	M	GenX	Chris	NA
## 1879	k	B	M	GenX	Troy	NA
## 1880	k	B	M	GenX	Jeff	NA
## 1881	k	B	M	Millennial	Zachary	NA
## 1882	k	B	M	Millennial	Dylan	NA
## 1883	k	B	M	Millennial	Christian	NA
## 1884	k	B	M	Millennial	Wesley	NA
## 1885	k	B	M	Millennial	Seth	NA
## 1886	k	B	M	Millennial	Austin	NA
## 1887	k	B	M	Millennial	Gabriel	NA
## 1888	k	B	M	Millennial	Evan	NA
## 1889	k	B	M	Millennial	Casey	NA

## 1890	k	B	M	Millennial	Luis	NA
## 1891	k	B	F	Boomer	Gloria	NA
## 1892	k	B	F	Boomer	Joan	NA
## 1893	k	B	F	Boomer	Dorothy	NA
## 1894	k	B	F	Boomer	Shirley	NA
## 1895	k	B	F	Boomer	Betty	NA
## 1896	k	B	F	Boomer	Dianne	NA
## 1897	k	B	F	Boomer	Kay	NA
## 1898	k	B	F	Boomer	Marjorie	NA
## 1899	k	B	F	Boomer	Lorraine	NA
## 1900	k	B	F	Boomer	Mildred	NA
## 1901	k	B	F	GenX	Tracy	NA
## 1902	k	B	F	GenX	Dawn	NA
## 1903	k	B	F	GenX	Tina	NA
## 1904	k	B	F	GenX	Tammy	NA
## 1905	k	B	F	GenX	Melinda	NA
## 1906	k	B	F	GenX	Tamara	NA
## 1907	k	B	F	GenX	Tracey	NA
## 1908	k	B	F	GenX	Colleen	NA
## 1909	k	B	F	GenX	Sherri	NA
## 1910	k	B	F	GenX	Heidi	NA
## 1911	k	B	F	Millennial	Samantha	NA
## 1912	k	B	F	Millennial	Alexis	NA
## 1913	k	B	F	Millennial	Brittany	NA
## 1914	k	B	F	Millennial	Lauren	NA
## 1915	k	B	F	Millennial	Taylor	NA
## 1916	k	B	F	Millennial	Bethany	NA
## 1917	k	B	F	Millennial	Latoya	NA
## 1918	k	B	F	Millennial	Candice	NA
## 1919	k	B	F	Millennial	Brittney	NA
## 1920	k	B	F	Millennial	Cheyenne	NA
## 1921	k	C	M	Boomer	Theodore	NA
## 1922	k	C	M	Boomer	Bernard	NA
## 1923	k	C	M	Boomer	Gene	NA
## 1924	k	C	M	Boomer	Herbert	NA
## 1925	k	C	M	Boomer	Ray	NA
## 1926	k	C	M	Boomer	Tom	NA
## 1927	k	C	M	Boomer	Lee	NA
## 1928	k	C	M	Boomer	Alfred	NA
## 1929	k	C	M	Boomer	Leroy	NA
## 1930	k	C	M	Boomer	Eddie	NA
## 1931	k	C	M	GenX	Marc	NA
## 1932	k	C	M	GenX	Jamie	NA
## 1933	k	C	M	GenX	Greg	NA
## 1934	k	C	M	GenX	Darryl	NA
## 1935	k	C	M	GenX	Tim	NA
## 1936	k	C	M	GenX	Dean	NA
## 1937	k	C	M	GenX	Jon	NA
## 1938	k	C	M	GenX	Chris	NA
## 1939	k	C	M	GenX	Troy	NA
## 1940	k	C	M	GenX	Jeff	NA
## 1941	k	C	M	Millennial	Zachary	NA
## 1942	k	C	M	Millennial	Dylan	NA
## 1943	k	C	M	Millennial	Christian	NA

## 1944	k	C	M Millennial	Wesley NA
## 1945	k	C	M Millennial	Seth NA
## 1946	k	C	M Millennial	Austin NA
## 1947	k	C	M Millennial	Gabriel NA
## 1948	k	C	M Millennial	Evan NA
## 1949	k	C	M Millennial	Casey NA
## 1950	k	C	M Millennial	Luis NA
## 1951	k	C	F Boomer	Gloria NA
## 1952	k	C	F Boomer	Joan NA
## 1953	k	C	F Boomer	Dorothy NA
## 1954	k	C	F Boomer	Shirley NA
## 1955	k	C	F Boomer	Betty NA
## 1956	k	C	F Boomer	Dianne NA
## 1957	k	C	F Boomer	Kay NA
## 1958	k	C	F Boomer	Marjorie NA
## 1959	k	C	F Boomer	Lorraine NA
## 1960	k	C	F Boomer	Mildred NA
## 1961	k	C	F GenX	Tracy NA
## 1962	k	C	F GenX	Dawn NA
## 1963	k	C	F GenX	Tina NA
## 1964	k	C	F GenX	Tammy NA
## 1965	k	C	F GenX	Melinda NA
## 1966	k	C	F GenX	Tamara NA
## 1967	k	C	F GenX	Tracey NA
## 1968	k	C	F GenX	Colleen NA
## 1969	k	C	F GenX	Sherri NA
## 1970	k	C	F GenX	Heidi NA
## 1971	k	C	F Millennial	Samantha NA
## 1972	k	C	F Millennial	Alexis NA
## 1973	k	C	F Millennial	Brittany NA
## 1974	k	C	F Millennial	Lauren NA
## 1975	k	C	F Millennial	Taylor NA
## 1976	k	C	F Millennial	Bethany NA
## 1977	k	C	F Millennial	Latoya NA
## 1978	k	C	F Millennial	Candice NA
## 1979	k	C	F Millennial	Brittney NA
## 1980	k	C	F Millennial	Cheyenne NA
## 1981	l	A	M Boomer	Theodore NA
## 1982	l	A	M Boomer	Bernard NA
## 1983	l	A	M Boomer	Gene NA
## 1984	l	A	M Boomer	Herbert NA
## 1985	l	A	M Boomer	Ray NA
## 1986	l	A	M Boomer	Tom NA
## 1987	l	A	M Boomer	Lee NA
## 1988	l	A	M Boomer	Alfred NA
## 1989	l	A	M Boomer	Leroy NA
## 1990	l	A	M Boomer	Eddie NA
## 1991	l	A	M GenX	Marc NA
## 1992	l	A	M GenX	Jamie NA
## 1993	l	A	M GenX	Greg NA
## 1994	l	A	M GenX	Darryl NA
## 1995	l	A	M GenX	Tim NA
## 1996	l	A	M GenX	Dean NA
## 1997	l	A	M GenX	Jon NA

## 1998	1	A	M	GenX	Chris	NA
## 1999	1	A	M	GenX	Troy	NA
## 2000	1	A	M	GenX	Jeff	NA
## 2001	1	A	M	Millennial	Zachary	NA
## 2002	1	A	M	Millennial	Dylan	NA
## 2003	1	A	M	Millennial	Christian	NA
## 2004	1	A	M	Millennial	Wesley	NA
## 2005	1	A	M	Millennial	Seth	NA
## 2006	1	A	M	Millennial	Austin	NA
## 2007	1	A	M	Millennial	Gabriel	NA
## 2008	1	A	M	Millennial	Evan	NA
## 2009	1	A	M	Millennial	Casey	NA
## 2010	1	A	M	Millennial	Luis	NA
## 2011	1	A	F	Boomer	Gloria	NA
## 2012	1	A	F	Boomer	Joan	NA
## 2013	1	A	F	Boomer	Dorothy	NA
## 2014	1	A	F	Boomer	Shirley	NA
## 2015	1	A	F	Boomer	Betty	NA
## 2016	1	A	F	Boomer	Dianne	NA
## 2017	1	A	F	Boomer	Kay	NA
## 2018	1	A	F	Boomer	Marjorie	NA
## 2019	1	A	F	Boomer	Lorraine	NA
## 2020	1	A	F	Boomer	Mildred	NA
## 2021	1	A	F	GenX	Tracy	NA
## 2022	1	A	F	GenX	Dawn	NA
## 2023	1	A	F	GenX	Tina	NA
## 2024	1	A	F	GenX	Tammy	NA
## 2025	1	A	F	GenX	Melinda	NA
## 2026	1	A	F	GenX	Tamara	NA
## 2027	1	A	F	GenX	Tracey	NA
## 2028	1	A	F	GenX	Colleen	NA
## 2029	1	A	F	GenX	Sherri	NA
## 2030	1	A	F	GenX	Heidi	NA
## 2031	1	A	F	Millennial	Samantha	NA
## 2032	1	A	F	Millennial	Alexis	NA
## 2033	1	A	F	Millennial	Brittany	NA
## 2034	1	A	F	Millennial	Lauren	NA
## 2035	1	A	F	Millennial	Taylor	NA
## 2036	1	A	F	Millennial	Bethany	NA
## 2037	1	A	F	Millennial	Latoya	NA
## 2038	1	A	F	Millennial	Candice	NA
## 2039	1	A	F	Millennial	Brittney	NA
## 2040	1	A	F	Millennial	Cheyenne	NA
## 2041	1	B	M	Boomer	Theodore	NA
## 2042	1	B	M	Boomer	Bernard	NA
## 2043	1	B	M	Boomer	Gene	NA
## 2044	1	B	M	Boomer	Herbert	NA
## 2045	1	B	M	Boomer	Ray	NA
## 2046	1	B	M	Boomer	Tom	NA
## 2047	1	B	M	Boomer	Lee	NA
## 2048	1	B	M	Boomer	Alfred	NA
## 2049	1	B	M	Boomer	Leroy	NA
## 2050	1	B	M	Boomer	Eddie	NA
## 2051	1	B	M	GenX	Marc	NA

## 2052	1	B	M	GenX	Jamie NA
## 2053	1	B	M	GenX	Greg NA
## 2054	1	B	M	GenX	Darryl NA
## 2055	1	B	M	GenX	Tim NA
## 2056	1	B	M	GenX	Dean NA
## 2057	1	B	M	GenX	Jon NA
## 2058	1	B	M	GenX	Chris NA
## 2059	1	B	M	GenX	Troy NA
## 2060	1	B	M	GenX	Jeff NA
## 2061	1	B	M	Millennial	Zachary NA
## 2062	1	B	M	Millennial	Dylan NA
## 2063	1	B	M	Millennial	Christian NA
## 2064	1	B	M	Millennial	Wesley NA
## 2065	1	B	M	Millennial	Seth NA
## 2066	1	B	M	Millennial	Austin NA
## 2067	1	B	M	Millennial	Gabriel NA
## 2068	1	B	M	Millennial	Evan NA
## 2069	1	B	M	Millennial	Casey NA
## 2070	1	B	M	Millennial	Luis NA
## 2071	1	B	F	Boomer	Gloria NA
## 2072	1	B	F	Boomer	Joan NA
## 2073	1	B	F	Boomer	Dorothy NA
## 2074	1	B	F	Boomer	Shirley NA
## 2075	1	B	F	Boomer	Betty NA
## 2076	1	B	F	Boomer	Dianne NA
## 2077	1	B	F	Boomer	Kay NA
## 2078	1	B	F	Boomer	Marjorie NA
## 2079	1	B	F	Boomer	Lorraine NA
## 2080	1	B	F	Boomer	Mildred NA
## 2081	1	B	F	GenX	Tracy NA
## 2082	1	B	F	GenX	Dawn NA
## 2083	1	B	F	GenX	Tina NA
## 2084	1	B	F	GenX	Tammy NA
## 2085	1	B	F	GenX	Melinda NA
## 2086	1	B	F	GenX	Tamara NA
## 2087	1	B	F	GenX	Tracey NA
## 2088	1	B	F	GenX	Colleen NA
## 2089	1	B	F	GenX	Sherri NA
## 2090	1	B	F	GenX	Heidi NA
## 2091	1	B	F	Millennial	Samantha NA
## 2092	1	B	F	Millennial	Alexis NA
## 2093	1	B	F	Millennial	Brittany NA
## 2094	1	B	F	Millennial	Lauren NA
## 2095	1	B	F	Millennial	Taylor NA
## 2096	1	B	F	Millennial	Bethany NA
## 2097	1	B	F	Millennial	Latoya NA
## 2098	1	B	F	Millennial	Candice NA
## 2099	1	B	F	Millennial	Brittney NA
## 2100	1	B	F	Millennial	Cheyenne NA
## 2101	1	C	M	Boomer	Theodore NA
## 2102	1	C	M	Boomer	Bernard NA
## 2103	1	C	M	Boomer	Gene NA
## 2104	1	C	M	Boomer	Herbert NA
## 2105	1	C	M	Boomer	Ray NA

## 2106	1	C	M	Boomer	Tom NA
## 2107	1	C	M	Boomer	Lee NA
## 2108	1	C	M	Boomer	Alfred NA
## 2109	1	C	M	Boomer	Leroy NA
## 2110	1	C	M	Boomer	Eddie NA
## 2111	1	C	M	GenX	Marc NA
## 2112	1	C	M	GenX	Jamie NA
## 2113	1	C	M	GenX	Greg NA
## 2114	1	C	M	GenX	Darryl NA
## 2115	1	C	M	GenX	Tim NA
## 2116	1	C	M	GenX	Dean NA
## 2117	1	C	M	GenX	Jon NA
## 2118	1	C	M	GenX	Chris NA
## 2119	1	C	M	GenX	Troy NA
## 2120	1	C	M	GenX	Jeff NA
## 2121	1	C	M	Millennial	Zachary NA
## 2122	1	C	M	Millennial	Dylan NA
## 2123	1	C	M	Millennial	Christian NA
## 2124	1	C	M	Millennial	Wesley NA
## 2125	1	C	M	Millennial	Seth NA
## 2126	1	C	M	Millennial	Austin NA
## 2127	1	C	M	Millennial	Gabriel NA
## 2128	1	C	M	Millennial	Evan NA
## 2129	1	C	M	Millennial	Casey NA
## 2130	1	C	M	Millennial	Luis NA
## 2131	1	C	F	Boomer	Gloria NA
## 2132	1	C	F	Boomer	Joan NA
## 2133	1	C	F	Boomer	Dorothy NA
## 2134	1	C	F	Boomer	Shirley NA
## 2135	1	C	F	Boomer	Betty NA
## 2136	1	C	F	Boomer	Dianne NA
## 2137	1	C	F	Boomer	Kay NA
## 2138	1	C	F	Boomer	Marjorie NA
## 2139	1	C	F	Boomer	Lorraine NA
## 2140	1	C	F	Boomer	Mildred NA
## 2141	1	C	F	GenX	Tracy NA
## 2142	1	C	F	GenX	Dawn NA
## 2143	1	C	F	GenX	Tina NA
## 2144	1	C	F	GenX	Tammy NA
## 2145	1	C	F	GenX	Melinda NA
## 2146	1	C	F	GenX	Tamara NA
## 2147	1	C	F	GenX	Tracey NA
## 2148	1	C	F	GenX	Colleen NA
## 2149	1	C	F	GenX	Sherri NA
## 2150	1	C	F	GenX	Heidi NA
## 2151	1	C	F	Millennial	Samantha NA
## 2152	1	C	F	Millennial	Alexis NA
## 2153	1	C	F	Millennial	Brittany NA
## 2154	1	C	F	Millennial	Lauren NA
## 2155	1	C	F	Millennial	Taylor NA
## 2156	1	C	F	Millennial	Bethany NA
## 2157	1	C	F	Millennial	Latoya NA
## 2158	1	C	F	Millennial	Candice NA
## 2159	1	C	F	Millennial	Brittney NA

## 2160	l	C	F	Millennial	Cheyenne	NA
## 2161	m	A	M	Boomer	Theodore	NA
## 2162	m	A	M	Boomer	Bernard	NA
## 2163	m	A	M	Boomer	Gene	NA
## 2164	m	A	M	Boomer	Herbert	NA
## 2165	m	A	M	Boomer	Ray	NA
## 2166	m	A	M	Boomer	Tom	NA
## 2167	m	A	M	Boomer	Lee	NA
## 2168	m	A	M	Boomer	Alfred	NA
## 2169	m	A	M	Boomer	Leroy	NA
## 2170	m	A	M	Boomer	Eddie	NA
## 2171	m	A	M	GenX	Marc	NA
## 2172	m	A	M	GenX	Jamie	NA
## 2173	m	A	M	GenX	Greg	NA
## 2174	m	A	M	GenX	Darryl	NA
## 2175	m	A	M	GenX	Tim	NA
## 2176	m	A	M	GenX	Dean	NA
## 2177	m	A	M	GenX	Jon	NA
## 2178	m	A	M	GenX	Chris	NA
## 2179	m	A	M	GenX	Troy	NA
## 2180	m	A	M	GenX	Jeff	NA
## 2181	m	A	M	Millennial	Zachary	NA
## 2182	m	A	M	Millennial	Dylan	NA
## 2183	m	A	M	Millennial	Christian	NA
## 2184	m	A	M	Millennial	Wesley	NA
## 2185	m	A	M	Millennial	Seth	NA
## 2186	m	A	M	Millennial	Austin	NA
## 2187	m	A	M	Millennial	Gabriel	NA
## 2188	m	A	M	Millennial	Evan	NA
## 2189	m	A	M	Millennial	Casey	NA
## 2190	m	A	M	Millennial	Luis	NA
## 2191	m	A	F	Boomer	Gloria	NA
## 2192	m	A	F	Boomer	Joan	NA
## 2193	m	A	F	Boomer	Dorothy	NA
## 2194	m	A	F	Boomer	Shirley	NA
## 2195	m	A	F	Boomer	Betty	NA
## 2196	m	A	F	Boomer	Dianne	NA
## 2197	m	A	F	Boomer	Kay	NA
## 2198	m	A	F	Boomer	Marjorie	NA
## 2199	m	A	F	Boomer	Lorraine	NA
## 2200	m	A	F	Boomer	Mildred	NA
## 2201	m	A	F	GenX	Tracy	NA
## 2202	m	A	F	GenX	Dawn	NA
## 2203	m	A	F	GenX	Tina	NA
## 2204	m	A	F	GenX	Tammy	NA
## 2205	m	A	F	GenX	Melinda	NA
## 2206	m	A	F	GenX	Tamara	NA
## 2207	m	A	F	GenX	Tracey	NA
## 2208	m	A	F	GenX	Colleen	NA
## 2209	m	A	F	GenX	Sherri	NA
## 2210	m	A	F	GenX	Heidi	NA
## 2211	m	A	F	Millennial	Samantha	NA
## 2212	m	A	F	Millennial	Alexis	NA
## 2213	m	A	F	Millennial	Brittany	NA

## 2214	m	A	F Millennial	Lauren	NA
## 2215	m	A	F Millennial	Taylor	NA
## 2216	m	A	F Millennial	Bethany	NA
## 2217	m	A	F Millennial	Latoya	NA
## 2218	m	A	F Millennial	Candice	NA
## 2219	m	A	F Millennial	Brittney	NA
## 2220	m	A	F Millennial	Cheyenne	NA
## 2221	m	B	M Boomer	Theodore	NA
## 2222	m	B	M Boomer	Bernard	NA
## 2223	m	B	M Boomer	Gene	NA
## 2224	m	B	M Boomer	Herbert	NA
## 2225	m	B	M Boomer	Ray	NA
## 2226	m	B	M Boomer	Tom	NA
## 2227	m	B	M Boomer	Lee	NA
## 2228	m	B	M Boomer	Alfred	NA
## 2229	m	B	M Boomer	Leroy	NA
## 2230	m	B	M Boomer	Eddie	NA
## 2231	m	B	M GenX	Marc	NA
## 2232	m	B	M GenX	Jamie	NA
## 2233	m	B	M GenX	Greg	NA
## 2234	m	B	M GenX	Darryl	NA
## 2235	m	B	M GenX	Tim	NA
## 2236	m	B	M GenX	Dean	NA
## 2237	m	B	M GenX	Jon	NA
## 2238	m	B	M GenX	Chris	NA
## 2239	m	B	M GenX	Troy	NA
## 2240	m	B	M GenX	Jeff	NA
## 2241	m	B	M Millennial	Zachary	NA
## 2242	m	B	M Millennial	Dylan	NA
## 2243	m	B	M Millennial	Christian	NA
## 2244	m	B	M Millennial	Wesley	NA
## 2245	m	B	M Millennial	Seth	NA
## 2246	m	B	M Millennial	Austin	NA
## 2247	m	B	M Millennial	Gabriel	NA
## 2248	m	B	M Millennial	Evan	NA
## 2249	m	B	M Millennial	Casey	NA
## 2250	m	B	M Millennial	Luis	NA
## 2251	m	B	F Boomer	Gloria	NA
## 2252	m	B	F Boomer	Joan	NA
## 2253	m	B	F Boomer	Dorothy	NA
## 2254	m	B	F Boomer	Shirley	NA
## 2255	m	B	F Boomer	Betty	NA
## 2256	m	B	F Boomer	Dianne	NA
## 2257	m	B	F Boomer	Kay	NA
## 2258	m	B	F Boomer	Marjorie	NA
## 2259	m	B	F Boomer	Lorraine	NA
## 2260	m	B	F Boomer	Mildred	NA
## 2261	m	B	F GenX	Tracy	NA
## 2262	m	B	F GenX	Dawn	NA
## 2263	m	B	F GenX	Tina	NA
## 2264	m	B	F GenX	Tammy	NA
## 2265	m	B	F GenX	Melinda	NA
## 2266	m	B	F GenX	Tamara	NA
## 2267	m	B	F GenX	Tracey	NA

## 2268	m	B	F	GenX	Colleen NA
## 2269	m	B	F	GenX	Sherri NA
## 2270	m	B	F	GenX	Heidi NA
## 2271	m	B	F	Millennial	Samantha NA
## 2272	m	B	F	Millennial	Alexis NA
## 2273	m	B	F	Millennial	Brittany NA
## 2274	m	B	F	Millennial	Lauren NA
## 2275	m	B	F	Millennial	Taylor NA
## 2276	m	B	F	Millennial	Bethany NA
## 2277	m	B	F	Millennial	Latoya NA
## 2278	m	B	F	Millennial	Candice NA
## 2279	m	B	F	Millennial	Brittney NA
## 2280	m	B	F	Millennial	Cheyenne NA
## 2281	m	C	M	Boomer	Theodore NA
## 2282	m	C	M	Boomer	Bernard NA
## 2283	m	C	M	Boomer	Gene NA
## 2284	m	C	M	Boomer	Herbert NA
## 2285	m	C	M	Boomer	Ray NA
## 2286	m	C	M	Boomer	Tom NA
## 2287	m	C	M	Boomer	Lee NA
## 2288	m	C	M	Boomer	Alfred NA
## 2289	m	C	M	Boomer	Leroy NA
## 2290	m	C	M	Boomer	Eddie NA
## 2291	m	C	M	GenX	Marc NA
## 2292	m	C	M	GenX	Jamie NA
## 2293	m	C	M	GenX	Greg NA
## 2294	m	C	M	GenX	Darryl NA
## 2295	m	C	M	GenX	Tim NA
## 2296	m	C	M	GenX	Dean NA
## 2297	m	C	M	GenX	Jon NA
## 2298	m	C	M	GenX	Chris NA
## 2299	m	C	M	GenX	Troy NA
## 2300	m	C	M	GenX	Jeff NA
## 2301	m	C	M	Millennial	Zachary NA
## 2302	m	C	M	Millennial	Dylan NA
## 2303	m	C	M	Millennial	Christian NA
## 2304	m	C	M	Millennial	Wesley NA
## 2305	m	C	M	Millennial	Seth NA
## 2306	m	C	M	Millennial	Austin NA
## 2307	m	C	M	Millennial	Gabriel NA
## 2308	m	C	M	Millennial	Evan NA
## 2309	m	C	M	Millennial	Casey NA
## 2310	m	C	M	Millennial	Luis NA
## 2311	m	C	F	Boomer	Gloria NA
## 2312	m	C	F	Boomer	Joan NA
## 2313	m	C	F	Boomer	Dorothy NA
## 2314	m	C	F	Boomer	Shirley NA
## 2315	m	C	F	Boomer	Betty NA
## 2316	m	C	F	Boomer	Dianne NA
## 2317	m	C	F	Boomer	Kay NA
## 2318	m	C	F	Boomer	Marjorie NA
## 2319	m	C	F	Boomer	Lorraine NA
## 2320	m	C	F	Boomer	Mildred NA
## 2321	m	C	F	GenX	Tracy NA

## 2322	m	C	F	GenX	Dawn	NA
## 2323	m	C	F	GenX	Tina	NA
## 2324	m	C	F	GenX	Tammy	NA
## 2325	m	C	F	GenX	Melinda	NA
## 2326	m	C	F	GenX	Tamara	NA
## 2327	m	C	F	GenX	Tracey	NA
## 2328	m	C	F	GenX	Colleen	NA
## 2329	m	C	F	GenX	Sherri	NA
## 2330	m	C	F	GenX	Heidi	NA
## 2331	m	C	F	Millennial	Samantha	NA
## 2332	m	C	F	Millennial	Alexis	NA
## 2333	m	C	F	Millennial	Brittany	NA
## 2334	m	C	F	Millennial	Lauren	NA
## 2335	m	C	F	Millennial	Taylor	NA
## 2336	m	C	F	Millennial	Bethany	NA
## 2337	m	C	F	Millennial	Latoya	NA
## 2338	m	C	F	Millennial	Candice	NA
## 2339	m	C	F	Millennial	Brittney	NA
## 2340	m	C	F	Millennial	Cheyenne	NA
## 2341	n	A	M	Boomer	Theodore	NA
## 2342	n	A	M	Boomer	Bernard	NA
## 2343	n	A	M	Boomer	Gene	NA
## 2344	n	A	M	Boomer	Herbert	NA
## 2345	n	A	M	Boomer	Ray	NA
## 2346	n	A	M	Boomer	Tom	NA
## 2347	n	A	M	Boomer	Lee	NA
## 2348	n	A	M	Boomer	Alfred	NA
## 2349	n	A	M	Boomer	Leroy	NA
## 2350	n	A	M	Boomer	Eddie	NA
## 2351	n	A	M	GenX	Marc	NA
## 2352	n	A	M	GenX	Jamie	NA
## 2353	n	A	M	GenX	Greg	NA
## 2354	n	A	M	GenX	Darryl	NA
## 2355	n	A	M	GenX	Tim	NA
## 2356	n	A	M	GenX	Dean	NA
## 2357	n	A	M	GenX	Jon	NA
## 2358	n	A	M	GenX	Chris	NA
## 2359	n	A	M	GenX	Troy	NA
## 2360	n	A	M	GenX	Jeff	NA
## 2361	n	A	M	Millennial	Zachary	NA
## 2362	n	A	M	Millennial	Dylan	NA
## 2363	n	A	M	Millennial	Christian	NA
## 2364	n	A	M	Millennial	Wesley	NA
## 2365	n	A	M	Millennial	Seth	NA
## 2366	n	A	M	Millennial	Austin	NA
## 2367	n	A	M	Millennial	Gabriel	NA
## 2368	n	A	M	Millennial	Evan	NA
## 2369	n	A	M	Millennial	Casey	NA
## 2370	n	A	M	Millennial	Luis	NA
## 2371	n	A	F	Boomer	Gloria	NA
## 2372	n	A	F	Boomer	Joan	NA
## 2373	n	A	F	Boomer	Dorothy	NA
## 2374	n	A	F	Boomer	Shirley	NA
## 2375	n	A	F	Boomer	Betty	NA

## 2376	n	A	F	Boomer	Dianne	NA
## 2377	n	A	F	Boomer	Kay	NA
## 2378	n	A	F	Boomer	Marjorie	NA
## 2379	n	A	F	Boomer	Lorraine	NA
## 2380	n	A	F	Boomer	Mildred	NA
## 2381	n	A	F	GenX	Tracy	NA
## 2382	n	A	F	GenX	Dawn	NA
## 2383	n	A	F	GenX	Tina	NA
## 2384	n	A	F	GenX	Tammy	NA
## 2385	n	A	F	GenX	Melinda	NA
## 2386	n	A	F	GenX	Tamara	NA
## 2387	n	A	F	GenX	Tracey	NA
## 2388	n	A	F	GenX	Colleen	NA
## 2389	n	A	F	GenX	Sherri	NA
## 2390	n	A	F	GenX	Heidi	NA
## 2391	n	A	F	Millennial	Samantha	NA
## 2392	n	A	F	Millennial	Alexis	NA
## 2393	n	A	F	Millennial	Brittany	NA
## 2394	n	A	F	Millennial	Lauren	NA
## 2395	n	A	F	Millennial	Taylor	NA
## 2396	n	A	F	Millennial	Bethany	NA
## 2397	n	A	F	Millennial	Latoya	NA
## 2398	n	A	F	Millennial	Candice	NA
## 2399	n	A	F	Millennial	Brittney	NA
## 2400	n	A	F	Millennial	Cheyenne	NA
## 2401	n	B	M	Boomer	Theodore	NA
## 2402	n	B	M	Boomer	Bernard	NA
## 2403	n	B	M	Boomer	Gene	NA
## 2404	n	B	M	Boomer	Herbert	NA
## 2405	n	B	M	Boomer	Ray	NA
## 2406	n	B	M	Boomer	Tom	NA
## 2407	n	B	M	Boomer	Lee	NA
## 2408	n	B	M	Boomer	Alfred	NA
## 2409	n	B	M	Boomer	Leroy	NA
## 2410	n	B	M	Boomer	Eddie	NA
## 2411	n	B	M	GenX	Marc	NA
## 2412	n	B	M	GenX	Jamie	NA
## 2413	n	B	M	GenX	Greg	NA
## 2414	n	B	M	GenX	Darryl	NA
## 2415	n	B	M	GenX	Tim	NA
## 2416	n	B	M	GenX	Dean	NA
## 2417	n	B	M	GenX	Jon	NA
## 2418	n	B	M	GenX	Chris	NA
## 2419	n	B	M	GenX	Troy	NA
## 2420	n	B	M	GenX	Jeff	NA
## 2421	n	B	M	Millennial	Zachary	NA
## 2422	n	B	M	Millennial	Dylan	NA
## 2423	n	B	M	Millennial	Christian	NA
## 2424	n	B	M	Millennial	Wesley	NA
## 2425	n	B	M	Millennial	Seth	NA
## 2426	n	B	M	Millennial	Austin	NA
## 2427	n	B	M	Millennial	Gabriel	NA
## 2428	n	B	M	Millennial	Evan	NA
## 2429	n	B	M	Millennial	Casey	NA

## 2430	n	B	M Millennial	Luis	NA
## 2431	n	B	F Boomer	Gloria	NA
## 2432	n	B	F Boomer	Joan	NA
## 2433	n	B	F Boomer	Dorothy	NA
## 2434	n	B	F Boomer	Shirley	NA
## 2435	n	B	F Boomer	Betty	NA
## 2436	n	B	F Boomer	Dianne	NA
## 2437	n	B	F Boomer	Kay	NA
## 2438	n	B	F Boomer	Marjorie	NA
## 2439	n	B	F Boomer	Lorraine	NA
## 2440	n	B	F Boomer	Mildred	NA
## 2441	n	B	F GenX	Tracy	NA
## 2442	n	B	F GenX	Dawn	NA
## 2443	n	B	F GenX	Tina	NA
## 2444	n	B	F GenX	Tammy	NA
## 2445	n	B	F GenX	Melinda	NA
## 2446	n	B	F GenX	Tamara	NA
## 2447	n	B	F GenX	Tracey	NA
## 2448	n	B	F GenX	Colleen	NA
## 2449	n	B	F GenX	Sherri	NA
## 2450	n	B	F GenX	Heidi	NA
## 2451	n	B	F Millennial	Samantha	NA
## 2452	n	B	F Millennial	Alexis	NA
## 2453	n	B	F Millennial	Brittany	NA
## 2454	n	B	F Millennial	Lauren	NA
## 2455	n	B	F Millennial	Taylor	NA
## 2456	n	B	F Millennial	Bethany	NA
## 2457	n	B	F Millennial	Latoya	NA
## 2458	n	B	F Millennial	Candice	NA
## 2459	n	B	F Millennial	Brittney	NA
## 2460	n	B	F Millennial	Cheyenne	NA
## 2461	n	C	M Boomer	Theodore	NA
## 2462	n	C	M Boomer	Bernard	NA
## 2463	n	C	M Boomer	Gene	NA
## 2464	n	C	M Boomer	Herbert	NA
## 2465	n	C	M Boomer	Ray	NA
## 2466	n	C	M Boomer	Tom	NA
## 2467	n	C	M Boomer	Lee	NA
## 2468	n	C	M Boomer	Alfred	NA
## 2469	n	C	M Boomer	Leroy	NA
## 2470	n	C	M Boomer	Eddie	NA
## 2471	n	C	M GenX	Marc	NA
## 2472	n	C	M GenX	Jamie	NA
## 2473	n	C	M GenX	Greg	NA
## 2474	n	C	M GenX	Darryl	NA
## 2475	n	C	M GenX	Tim	NA
## 2476	n	C	M GenX	Dean	NA
## 2477	n	C	M GenX	Jon	NA
## 2478	n	C	M GenX	Chris	NA
## 2479	n	C	M GenX	Troy	NA
## 2480	n	C	M GenX	Jeff	NA
## 2481	n	C	M Millennial	Zachary	NA
## 2482	n	C	M Millennial	Dylan	NA
## 2483	n	C	M Millennial	Christian	NA

## 2484	n	C	M Millennial	Wesley NA
## 2485	n	C	M Millennial	Seth NA
## 2486	n	C	M Millennial	Austin NA
## 2487	n	C	M Millennial	Gabriel NA
## 2488	n	C	M Millennial	Evan NA
## 2489	n	C	M Millennial	Casey NA
## 2490	n	C	M Millennial	Luis NA
## 2491	n	C	F Boomer	Gloria NA
## 2492	n	C	F Boomer	Joan NA
## 2493	n	C	F Boomer	Dorothy NA
## 2494	n	C	F Boomer	Shirley NA
## 2495	n	C	F Boomer	Betty NA
## 2496	n	C	F Boomer	Dianne NA
## 2497	n	C	F Boomer	Kay NA
## 2498	n	C	F Boomer	Marjorie NA
## 2499	n	C	F Boomer	Lorraine NA
## 2500	n	C	F Boomer	Mildred NA
## 2501	n	C	F GenX	Tracy NA
## 2502	n	C	F GenX	Dawn NA
## 2503	n	C	F GenX	Tina NA
## 2504	n	C	F GenX	Tammy NA
## 2505	n	C	F GenX	Melinda NA
## 2506	n	C	F GenX	Tamara NA
## 2507	n	C	F GenX	Tracey NA
## 2508	n	C	F GenX	Colleen NA
## 2509	n	C	F GenX	Sherri NA
## 2510	n	C	F GenX	Heidi NA
## 2511	n	C	F Millennial	Samantha NA
## 2512	n	C	F Millennial	Alexis NA
## 2513	n	C	F Millennial	Brittany NA
## 2514	n	C	F Millennial	Lauren NA
## 2515	n	C	F Millennial	Taylor NA
## 2516	n	C	F Millennial	Bethany NA
## 2517	n	C	F Millennial	Latoya NA
## 2518	n	C	F Millennial	Candice NA
## 2519	n	C	F Millennial	Brittney NA
## 2520	n	C	F Millennial	Cheyenne NA

Packages

Install the package `pacman` using regular base R.

```
#install.packages("pacman", repos = "https://cran.r-project.org/web/packages/pacman/index.html")
```

First, install the package `testthat` (a widely accepted testing suite for R) from <https://github.com/r-lib/testthat> using `pacman`. If you are using Windows, this will be a long install, but you have to go through it for some of the stuff we are doing in class. LINUX (or MAC) is preferred for coding. If you can't get it to work, install this package from CRAN (still using `pacman`), but this is not recommended long term.

```
pacman::p_load(testthat)
```

- Create vector `v` consisting of all numbers from -100 to 100 and test using the second line of code su

```
v= seq(-100, 100)
#expect_equal(v, -100 : 101) error
```

If there are any errors, the `expect_equal` function will tell you about them. If there are no errors, then it will be silent.

Test the `my_reverse` function from lab2 using the following code:

```
v = 1:100
expect_equal(my_reverse(v), rev(v))
expect_equal(my_reverse(c("A", "B", "C")), c("C", "B", "A"))
# if it's equal, you get nothing
```

Multinomial Classification using KNN

Write a $k = 1$ nearest neighbor algorithm using the Euclidean distance function. This is standard “Roxygen” format for documentation. Hopefully, we will get to packages at some point and we will go over this again. It is your job also to fill in this documentation.

```
## One Nearest Neighbor Classifier
##
## Classifies an observation based on the label of the closest observation in a set of training observations
##
## @param Xinput      a matrix of features for training data observations
## @param y_binary    the vector of training data labels
## @param xtest       a test observation as a row vector
## @return            the predicted label for the test observation
nn_algorithm_predict = function(Xinput, y_binary, xtest){
  n = nrow(Xinput)
  distances = array(NA, n)
  for (i in 1:n) {
    distances[i] = sum((Xinput[i,] - xtest)^2) # squared euclidean distance (don't need to sqrt)
  }
  y_binary[which.min(distances)]
}
```

Write a few tests to ensure it actually works:

```
data(iris)
pacman::p_load(skimr)

iris = iris[iris$Species != "virginica",]
y = as.integer(iris$Species == "versicolor")
iris
```

##	Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
## 1	5.1	3.5	1.4	0.2	setosa
## 2	4.9	3.0	1.4	0.2	setosa
## 3	4.7	3.2	1.3	0.2	setosa
## 4	4.6	3.1	1.5	0.2	setosa
## 5	5.0	3.6	1.4	0.2	setosa
## 6	5.4	3.9	1.7	0.4	setosa

## 7	4.6	3.4	1.4	0.3	setosa
## 8	5.0	3.4	1.5	0.2	setosa
## 9	4.4	2.9	1.4	0.2	setosa
## 10	4.9	3.1	1.5	0.1	setosa
## 11	5.4	3.7	1.5	0.2	setosa
## 12	4.8	3.4	1.6	0.2	setosa
## 13	4.8	3.0	1.4	0.1	setosa
## 14	4.3	3.0	1.1	0.1	setosa
## 15	5.8	4.0	1.2	0.2	setosa
## 16	5.7	4.4	1.5	0.4	setosa
## 17	5.4	3.9	1.3	0.4	setosa
## 18	5.1	3.5	1.4	0.3	setosa
## 19	5.7	3.8	1.7	0.3	setosa
## 20	5.1	3.8	1.5	0.3	setosa
## 21	5.4	3.4	1.7	0.2	setosa
## 22	5.1	3.7	1.5	0.4	setosa
## 23	4.6	3.6	1.0	0.2	setosa
## 24	5.1	3.3	1.7	0.5	setosa
## 25	4.8	3.4	1.9	0.2	setosa
## 26	5.0	3.0	1.6	0.2	setosa
## 27	5.0	3.4	1.6	0.4	setosa
## 28	5.2	3.5	1.5	0.2	setosa
## 29	5.2	3.4	1.4	0.2	setosa
## 30	4.7	3.2	1.6	0.2	setosa
## 31	4.8	3.1	1.6	0.2	setosa
## 32	5.4	3.4	1.5	0.4	setosa
## 33	5.2	4.1	1.5	0.1	setosa
## 34	5.5	4.2	1.4	0.2	setosa
## 35	4.9	3.1	1.5	0.2	setosa
## 36	5.0	3.2	1.2	0.2	setosa
## 37	5.5	3.5	1.3	0.2	setosa
## 38	4.9	3.6	1.4	0.1	setosa
## 39	4.4	3.0	1.3	0.2	setosa
## 40	5.1	3.4	1.5	0.2	setosa
## 41	5.0	3.5	1.3	0.3	setosa
## 42	4.5	2.3	1.3	0.3	setosa
## 43	4.4	3.2	1.3	0.2	setosa
## 44	5.0	3.5	1.6	0.6	setosa
## 45	5.1	3.8	1.9	0.4	setosa
## 46	4.8	3.0	1.4	0.3	setosa
## 47	5.1	3.8	1.6	0.2	setosa
## 48	4.6	3.2	1.4	0.2	setosa
## 49	5.3	3.7	1.5	0.2	setosa
## 50	5.0	3.3	1.4	0.2	setosa
## 51	7.0	3.2	4.7	1.4	versicolor
## 52	6.4	3.2	4.5	1.5	versicolor
## 53	6.9	3.1	4.9	1.5	versicolor
## 54	5.5	2.3	4.0	1.3	versicolor
## 55	6.5	2.8	4.6	1.5	versicolor
## 56	5.7	2.8	4.5	1.3	versicolor
## 57	6.3	3.3	4.7	1.6	versicolor
## 58	4.9	2.4	3.3	1.0	versicolor
## 59	6.6	2.9	4.6	1.3	versicolor
## 60	5.2	2.7	3.9	1.4	versicolor

## 61	5.0	2.0	3.5	1.0 versicolor
## 62	5.9	3.0	4.2	1.5 versicolor
## 63	6.0	2.2	4.0	1.0 versicolor
## 64	6.1	2.9	4.7	1.4 versicolor
## 65	5.6	2.9	3.6	1.3 versicolor
## 66	6.7	3.1	4.4	1.4 versicolor
## 67	5.6	3.0	4.5	1.5 versicolor
## 68	5.8	2.7	4.1	1.0 versicolor
## 69	6.2	2.2	4.5	1.5 versicolor
## 70	5.6	2.5	3.9	1.1 versicolor
## 71	5.9	3.2	4.8	1.8 versicolor
## 72	6.1	2.8	4.0	1.3 versicolor
## 73	6.3	2.5	4.9	1.5 versicolor
## 74	6.1	2.8	4.7	1.2 versicolor
## 75	6.4	2.9	4.3	1.3 versicolor
## 76	6.6	3.0	4.4	1.4 versicolor
## 77	6.8	2.8	4.8	1.4 versicolor
## 78	6.7	3.0	5.0	1.7 versicolor
## 79	6.0	2.9	4.5	1.5 versicolor
## 80	5.7	2.6	3.5	1.0 versicolor
## 81	5.5	2.4	3.8	1.1 versicolor
## 82	5.5	2.4	3.7	1.0 versicolor
## 83	5.8	2.7	3.9	1.2 versicolor
## 84	6.0	2.7	5.1	1.6 versicolor
## 85	5.4	3.0	4.5	1.5 versicolor
## 86	6.0	3.4	4.5	1.6 versicolor
## 87	6.7	3.1	4.7	1.5 versicolor
## 88	6.3	2.3	4.4	1.3 versicolor
## 89	5.6	3.0	4.1	1.3 versicolor
## 90	5.5	2.5	4.0	1.3 versicolor
## 91	5.5	2.6	4.4	1.2 versicolor
## 92	6.1	3.0	4.6	1.4 versicolor
## 93	5.8	2.6	4.0	1.2 versicolor
## 94	5.0	2.3	3.3	1.0 versicolor
## 95	5.6	2.7	4.2	1.3 versicolor
## 96	5.7	3.0	4.2	1.2 versicolor
## 97	5.7	2.9	4.2	1.3 versicolor
## 98	6.2	2.9	4.3	1.3 versicolor
## 99	5.1	2.5	3.0	1.1 versicolor
## 100	5.7	2.8	4.1	1.3 versicolor

```
iris = iris[, 1:4]

x_test1 = c(5.1, 3.6, 1.4, 0.1) # 0
x_test2 = c(5.0, 3.5, 1.4, 0.3) # 0
x_test3 = c(5.9, 3.0, 4.1, 1.5) # 1
x_test4 = c(6.4, 3.2, 4.5, 1.5) # 1

nn_algorithm_predict(iris, y, x_test1) # is 0 !
```

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



```
nn_algorithm_predict(iris, y, x_test2) # is 0 !
```

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

```
nn_algorithm_predict(iris, y, x_test3) # is 1 !
```

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

```
nn_algorithm_predict(iris, y, x_test4) # is 1 !
```

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

We now add an argument `d` representing any legal distance function to the `nn_algorithm_predict` function. Update the implementation so it performs NN using that distance function. Set the default function to be the Euclidean distance in the original function. Also, alter the documentation in the appropriate places.

```
## One Nearest Neighbor Classifier
#'
## Classifies an observation based on the label of the closest observation in a set of training observations
#'
## @param Xinput      a matrix of features for training data observations
## @param y_binary    the vector of training data labels
## @param xtest       a test observation as a row vector
## @param d           a distance function which takes inputs to different row vectors
## @return            the predicted label for the test observation
nn_algorithm_predict = function(Xinput, y_binary, xtest, d = function(v1, v2){sum((v1 - v2)^2)}){
  n = nrow(Xinput)
  distances = array(NA, n)
  for (i in 1:n) {
    distances[i] = d(Xinput[i,], xtest) # squared euclidean distance (don't need to sqrt)
  }
  y_binary[which.min(distances)]
}
```

For extra credit (unless you're a masters student), add an argument `k` to the `nn_algorithm_predict` function and update the implementation so it performs KNN. In the case of a tie, choose \hat{y} randomly. Set the default `k` to be the square root of the size of \mathcal{D} which is an empirical rule-of-thumb popularized by the "Pattern Classification" book by Duda, Hart and Stork (2007). Also, alter the documentation in the appropriate places.

```
#TO-DO for the 650 students but extra credit for undergrads
# add K arg, find K nearest, find modal label
```

Basic Binary Classification Modeling

- Load the famous `iris` data frame into the namespace. Provide a summary of the columns using the `skim` function in package `skimr` and write a few descriptive sentences about the distributions using the code below and in English.

```
data(iris)
pacman::p_load(skimr)
skim(iris)
```

Table 1: Data summary

Name	iris
Number of rows	150
Number of columns	5
Column type frequency:	
factor	1
numeric	4
Group variables	None

Variable type: factor

skim_variable	n_missing	complete_rate	ordered	n_unique	top_counts
Species	0	1	FALSE	3	set: 50, ver: 50, vir: 50

Variable type: numeric

skim_variable	n_missing	complete_rate	mean	sd	p0	p25	p50	p75	p100	hist
Sepal.Length	0	1	5.84	0.83	4.3	5.1	5.80	6.4	7.9	
Sepal.Width	0	1	3.06	0.44	2.0	2.8	3.00	3.3	4.4	
Petal.Length	0	1	3.76	1.77	1.0	1.6	4.35	5.1	6.9	
Petal.Width	0	1	1.20	0.76	0.1	0.3	1.30	1.8	2.5	

This dataset describes 150 different iris' (number of rows) with 5 different properties (number of columns). It contains 1 factor and 4 numerics. The factor is the Species property, which is either set (setosa), ver (versicolor), or vir (virginica). Then, each iris has numeric properties such as their Sepal.Length, Sepal.Width, Petal.Length and Petal.Width which measure their sepal and petal sizes. The species are evenly split in the data set (50 of each).

The outcome / label / response is **Species**. This is what we will be trying to predict. However, we only care about binary classification between “setosa” and “versicolor” for the purposes of this exercise. Thus the first order of business is to drop one class. Let’s drop the data for the level “virginica” from the data frame.

```
iris = iris[iris$Species != "virginica",]
```

Now create a vector **y** that is length the number of remaining rows in the data frame whose entries are 0 if “setosa” and 1 if “versicolor”.

```
y = as.integer(iris$Species == "versicolor") # was setosa in class (mistake?)
```

- Write a function **mode** returning the sample mode.

```
# sorted_counts = sort(table(sample(letters,1000,replace=TRUE)),decreasing=TRUE)
# names(sorted_counts[1])
mode = function(v) {
  names(sort(table(v), decreasing = TRUE)[1])
}
mode(y)
```

```
## [1] "0"
```

- Fit a threshold model to `y` using the feature `Sepal.Length`. Write your own code to do this. What is the estimated value of the threshold parameter? Save the threshold value as `threshold`.

```
n = nrow(iris) # n = 100
num_errors = array(dim = n)
for (i in 1 : n) {
  temp_threshold = iris$Sepal.Length[i]
  g = as.integer(iris$Sepal.Length > temp_threshold)
  num_errors[i] = sum(as.integer(g != y))
}

num_errors
```

```
## [1] 18 31 39 41 25 11 41 25 46 31 11 34 34 49 24 22 11 18 22 18 11 18 41 18 34
## [26] 25 25 16 16 39 34 11 16 14 31 25 14 31 46 18 25 45 46 25 18 34 18 41 15 25
## [51] 50 41 49 14 42 22 39 31 44 16 25 26 30 34 19 47 19 24 36 19 26 34 39 34 41
## [76] 44 48 47 30 22 14 14 24 30 11 30 47 39 19 14 14 34 24 25 19 22 22 36 18 22
```

```
which.min(num_errors)
```

```
## [1] 6
```

```
threshold = iris$Sepal.Length[which.min(num_errors)]
threshold
```

```
## [1] 5.4
```

What is the total number of errors this model makes?

```
for (i in 1 : n) {
  errors = sum(as.integer(iris$Sepal.Length > threshold) != y)
}

errors
```

```
## [1] 11
```

Does the threshold model's performance make sense given the following summaries:

```
threshold
```

```
## [1] 5.4
```

```
summary(iris[iris$Species == "setosa", "Sepal.Length"])
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      4.300   4.800   5.000   5.006   5.200   5.800
```

```
summary(iris[iris$Species == "versicolor", "Sepal.Length"])
```

```
##      Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##      4.900   5.600   5.900   5.936   6.300   7.000
```

This makes sense because the threshold I reached was 5.4, and the median for versicolor is 5.9 whereas the median for setosa is 5.0. The threshold is split in between these so then it will decently model the two outcomes.

Create the function `g` explicitly that can predict `y` from `x` being a new `Sepal.Length`.

```
g = function(x){
  ifelse (x > threshold, 1, 0)
}
```

Perceptron

You will code the “perceptron learning algorithm” for arbitrary number of features p . Take a look at the comments above the function. Respect the spec below:

```
## Perceptron Learning Algorithm
##
## For linearly separable data, returns the best possible vector to separate the outputs given
## a maximum amount of iterations
##
## @param Xinput      The input features
## @param y_binary    Binary output of 1 or 0
## @param MAX_ITER    Maximum amount of iterations to perform
## @param w           A vector of weights of features
##
## @return            The computed final parameter (weight) as a vector of length p + 1
perceptron_learning_algorithm = function(Xinput, y_binary, MAX_ITER = 1000, w = NULL){

  Xinput = as.matrix(cbind(1, Xinput[, , drop = FALSE]))
  n = nrow(Xinput)
  p = ncol(Xinput)
  w = rep(0, p)
  for (i in 1 : MAX_ITER) {
    for (j in 1 : n) {
      x_j = Xinput[j,]
      y_hat = ifelse(sum(x_j * w) > 0, 1, 0)
    }
  }
}
```

```

    for (k in 1 : p) {
      w[k] = w[k] + (y_binary[j] - y_hat) * x_j[k]
    }
  }
}

w
}

```

To understand what the algorithm is doing - linear “discrimination” between two response categories, we can draw a picture. First let’s make up some very simple training data \mathbb{D} .

```

Xy_simple = data.frame(
  response = factor(c(0, 0, 0, 1, 1, 1)), #nominal
  first_feature = c(1, 1, 2, 3, 3, 4),    #continuous
  second_feature = c(1, 2, 1, 3, 4, 3)    #continuous
)

```

We haven’t spoken about visualization yet, but it is important we do some of it now. Thus, I will write this code for you and you will just run it. First we load the visualization library we’re going to use:

```
pacman::p_load(ggplot2)
```

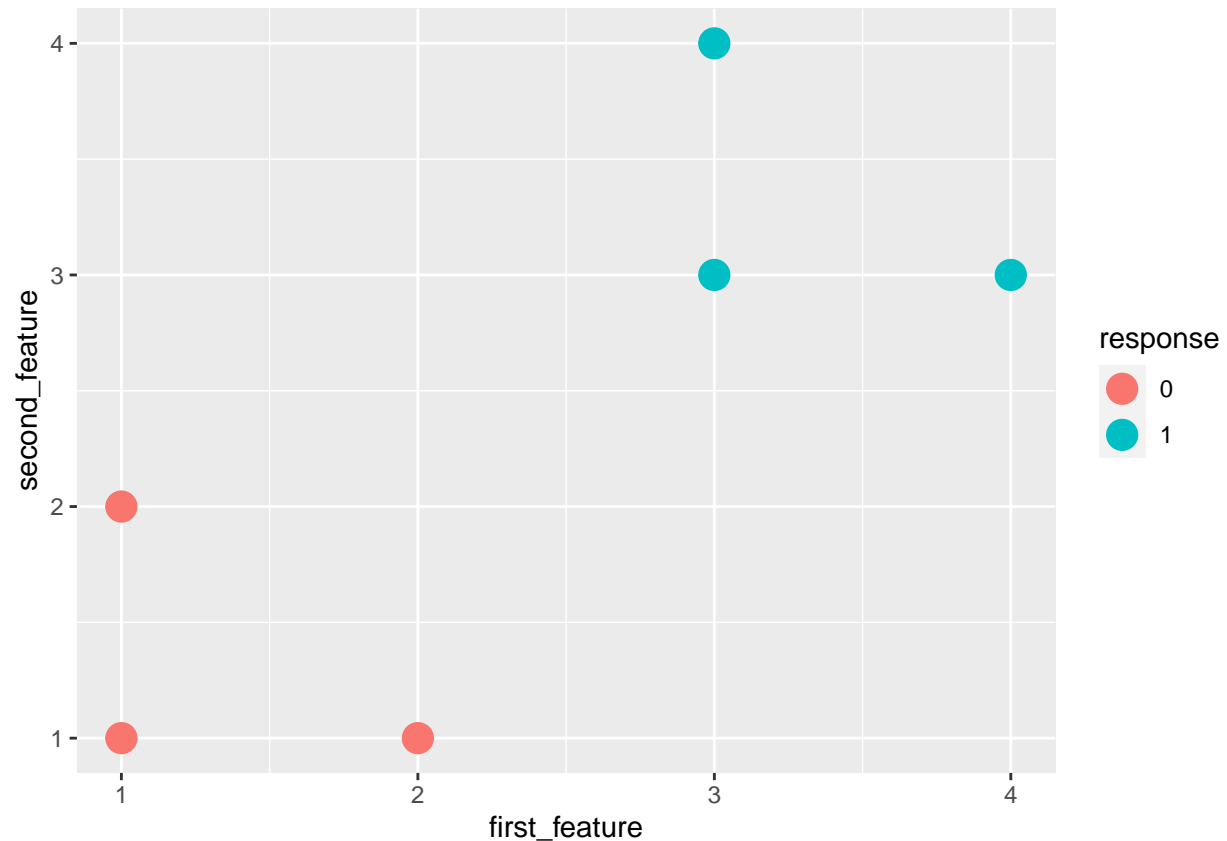
We are going to just get some plots and not talk about the code to generate them as we will have a whole unit on visualization using `ggplot2` in the future.

Let’s first plot y by the two features so the coordinate plane will be the two features and we use different colors to represent the third dimension, y .

```

simple_viz_obj = ggplot(Xy_simple, aes(x = first_feature, y = second_feature, color = response)) +
  geom_point(size = 5)
simple_viz_obj

```



The blue ones are shown in the top right corner and the red zeros are near the bottom left corner. So, this data is clearly linearly separable, thus a perceptron would be useful here.

Now, let us run the algorithm and see what happens:

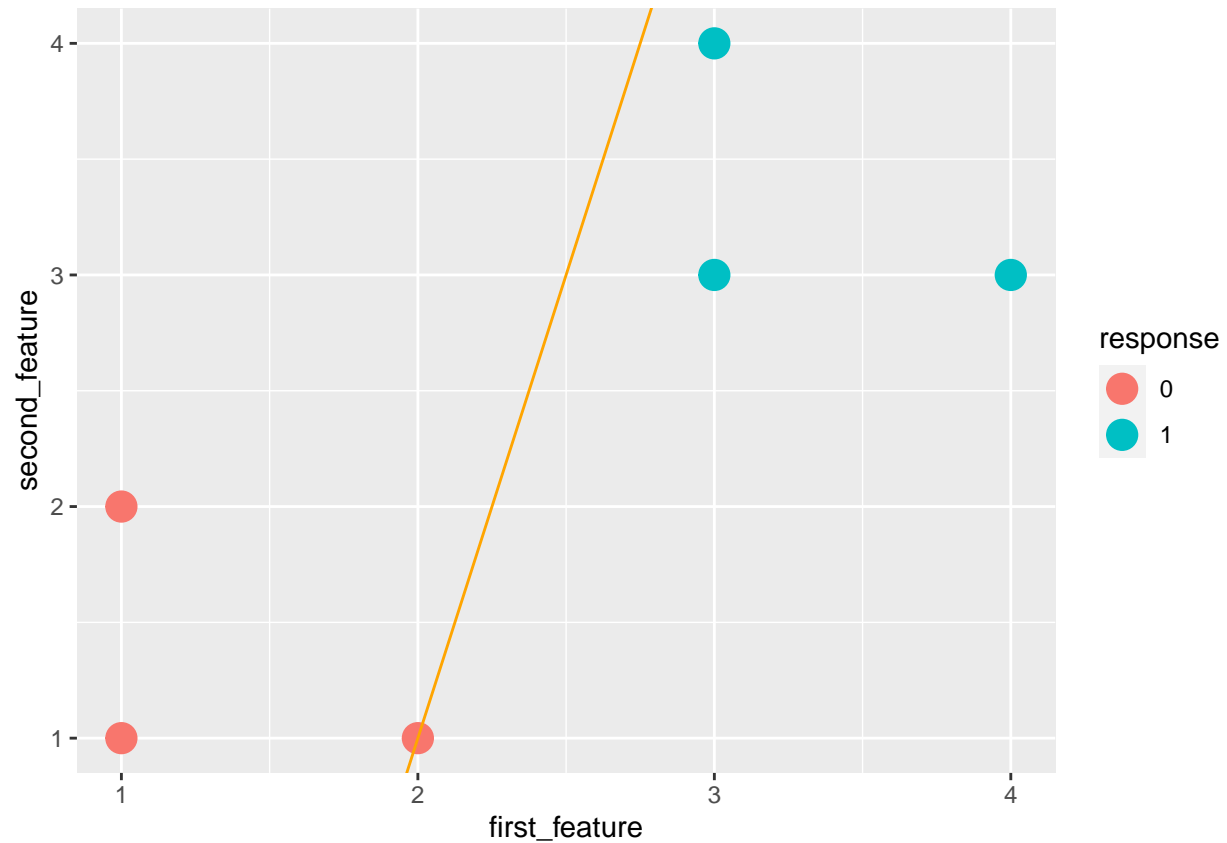
```
w_vec_simple_per = perceptron_learning_algorithm(
  cbind(Xy_simple$first_feature, Xy_simple$second_feature),
  as.numeric(Xy_simple$response == 1))
w_vec_simple_per
```

```
## [1] -7  4 -1
```

Explain this output. What do the numbers mean? What is the intercept of this line and the slope? You will have to do some algebra.

The output is (b, w0, w1), where b is the bias, w0, w1 are weights. The intercept is -7 and the slope is 4.

```
simple_perceptron_line = geom_abline(
  intercept = -w_vec_simple_per[1] / w_vec_simple_per[3],
  slope = -w_vec_simple_per[2] / w_vec_simple_per[3],
  color = "orange")
simple_viz_obj + simple_perceptron_line
```



Explain this picture. Why is this line of separation not “satisfying” to you?

This line is not satisfying because it is not cleanly separating the orange and blue data points. The line is crossing the orange data point at (2,1).

For extra credit, program the maximum-margin hyperplane perceptron that provides the best linear discrimination model for linearly separable data. Make sure you provide ROxygen documentation for this function.

#T0-D0