

Lab 2

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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,] -2.11393014 -1.669206070 0.5819979 0.2249670  
## [2,] 0.08836039 -0.238537642 1.2345322 0.6647792  
## [3,] -0.21351589 -0.551260366 -0.5256466 0.9956991  
## [4,] 0.80860183 0.006720493 1.1144466 2.1531166  
## [5,] -1.01347754 1.659854123 -1.1904289 -0.6301554
```

```
## [6,] -0.09623794  0.119575526 -0.1917203 -0.9538481
## [7,] -1.89746864 -1.020981339  0.2437556 -0.6375644
## [8,]  0.49424275 -0.102389829  1.7003222  0.8923693
## [9,] -0.08820633 -1.095781944 -1.0384797  0.4755932
## [10,]  0.66623156 -0.829221890  0.6664602 -0.2024409
## [11,]  0.42295927  1.163226882  1.4518350  0.3245909
## [12,] -0.92960203 -0.584430537  0.5676051  0.7395478
## [13,] -1.06037567 -1.057629354 -0.1993409 -1.4678574
## [14,] -1.62979750  0.427957920 -0.9888287  1.2925169
## [15,]  1.69707401  0.586220585  0.9841716 -0.0374775
## [16,] -0.05637347  1.146768958  0.6345737  0.5640330
## [17,] -1.83338510  1.796846393  0.1343804  1.3454456
## [18,]  0.53160583 -0.819856992 -0.1424506  1.1175409
## [19,]  0.56068199  0.282819341 -1.2022380 -0.1328390
## [20,] -0.81194182  0.163132267 -1.1876679 -0.4397568
## [21,] -0.79488162  0.183828333 -0.3422684 -0.3156449
## [22,]  1.96336228 -0.873380753  1.7459639  0.6018908
## [23,] -0.15268523 -1.429127009 -0.6304064 -0.7513158
## [24,] -0.37569478 -0.024830406 -1.3173714 -3.9520711
## [25,] -0.89440271 -0.126278888  0.7216071  0.2357635
```

```
flip_matrix(X)
```

```
##           [,1]           [,2]           [,3]           [,4]
## [1,] -0.89440271 -0.126278888  0.7216071  0.2357635
## [2,] -0.37569478 -0.024830406 -1.3173714 -3.9520711
## [3,] -0.15268523 -1.429127009 -0.6304064 -0.7513158
## [4,]  1.96336228 -0.873380753  1.7459639  0.6018908
## [5,] -0.79488162  0.183828333 -0.3422684 -0.3156449
## [6,] -0.81194182  0.163132267 -1.1876679 -0.4397568
## [7,]  0.56068199  0.282819341 -1.2022380 -0.1328390
## [8,]  0.53160583 -0.819856992 -0.1424506  1.1175409
## [9,] -1.83338510  1.796846393  0.1343804  1.3454456
## [10,] -0.05637347  1.146768958  0.6345737  0.5640330
## [11,]  1.69707401  0.586220585  0.9841716 -0.0374775
## [12,] -1.62979750  0.427957920 -0.9888287  1.2925169
## [13,] -1.06037567 -1.057629354 -0.1993409 -1.4678574
## [14,] -0.92960203 -0.584430537  0.5676051  0.7395478
## [15,]  0.42295927  1.163226882  1.4518350  0.3245909
## [16,]  0.66623156 -0.829221890  0.6664602 -0.2024409
## [17,] -0.08820633 -1.095781944 -1.0384797  0.4755932
## [18,]  0.49424275 -0.102389829  1.7003222  0.8923693
## [19,] -1.89746864 -1.020981339  0.2437556 -0.6375644
## [20,] -0.09623794  0.119575526 -0.1917203 -0.9538481
## [21,] -1.01347754  1.659854123 -1.1904289 -0.6301554
## [22,]  0.80860183  0.006720493  1.1144466  2.1531166
## [23,] -0.21351589 -0.551260366 -0.5256466  0.9956991
## [24,]  0.08836039 -0.238537642  1.2345322  0.6647792
## [25,] -2.11393014 -1.669206070  0.5819979  0.2249670
```

- 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.

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

```
}
```

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?

Based on the documentation, `object.size` provides an estimate of the memory being used to store an object, so the output above are the estimated amounts of memory being used for each of the eight multidimensional arrays that we created. Since the array got exponentially larger at each iteration, it makes sense that the estimated memory allocation is much much larger.

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

```
rm(list = ls())
```

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(unlist(strsplit(lorem, split = "[.]")))
```

```
## [1] " "
## [2] " Aenean nulla ante, iaculis sed vehicula ac, finibus vel arcu"
## [3] " Mauris at sodales augue"
## [4] "Lorem ipsum dolor sit amet, consectetur adipiscing elit"
## [5] " Donec at tempor erat"
```

```
## [6] " Donec vehicula sagittis nisi non semper"
## [7] " Morbi posuere varius volutpat"
## [8] " Curabitur est augue, congue eget quam in, scelerisque semper magna"
## [9] " Integer dapibus mi lectus, eu posuere arcu ultricies in"
## [10] " Cras suscipit id nibh lacinia elementum"
## [11] " Morbi faucibus ligula id massa ultricies viverra"
```

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.

```
organized_data = list(male = list(Boomer = strsplit("Theodore, Bernard, Gene, Herbert, Ray, Tom, Lee, A
, split = ", ")))

cat(str(organized_data))
```

```
## List of 2
## $ male :List of 3
## ..$ Boomer :List of 1
## .. ..$ : chr [1:10] "Theodore" "Bernard" "Gene" "Herbert" ...
## ..$ GenX :List of 1
## .. ..$ : chr [1:10] "Marc" "Jamie" "Greg" "Darryl" ...
## ..$ Millennial:List of 1
## .. ..$ : chr [1:10] "Zachary" "Dylan" "Christian" "Wesley" ...
## $ women:List of 3
## ..$ Boomer :List of 1
## .. ..$ : chr [1:10] "Gloria" "Joan" "Dorothy" "Shirley" ...
## ..$ GenX :List of 1
## .. ..$ : chr [1:10] "Tracy" "Dawn" "Tina" "Tammy" ...
## ..$ Millennial:List of 1
## .. ..$ : chr [1:10] "Samantha" "Alexis" "Brittany" "Lauren" ...
```

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, Millennial. 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(letters[1:14], each = n / 14), variation = rep(c("A", "B", "C"), each = 14),
gender = rep(c("M", "F"), each = 14), generation = rep(c("Boomer", "GenX", "Millennial"), each = 6),
name = rep(letters[1:n], each = 1))
```

```
##      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	Millenial	Zachary	NA
## 22	a	A	M	Millenial	Dylan	NA
## 23	a	A	M	Millenial	Christian	NA
## 24	a	A	M	Millenial	Wesley	NA
## 25	a	A	M	Millenial	Seth	NA
## 26	a	A	M	Millenial	Austin	NA
## 27	a	A	M	Millenial	Gabriel	NA
## 28	a	A	M	Millenial	Evan	NA
## 29	a	A	M	Millenial	Casey	NA
## 30	a	A	M	Millenial	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	Millenial	Samantha	NA
## 52	a	A	F	Millenial	Alexis	NA
## 53	a	A	F	Millenial	Brittany	NA
## 54	a	A	F	Millenial	Lauren	NA

## 55	a	A	F	Millenial	Taylor	NA
## 56	a	A	F	Millenial	Bethany	NA
## 57	a	A	F	Millenial	Latoya	NA
## 58	a	A	F	Millenial	Candice	NA
## 59	a	A	F	Millenial	Brittney	NA
## 60	a	A	F	Millenial	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	Millenial	Zachary	NA
## 82	a	B	M	Millenial	Dylan	NA
## 83	a	B	M	Millenial	Christian	NA
## 84	a	B	M	Millenial	Wesley	NA
## 85	a	B	M	Millenial	Seth	NA
## 86	a	B	M	Millenial	Austin	NA
## 87	a	B	M	Millenial	Gabriel	NA
## 88	a	B	M	Millenial	Evan	NA
## 89	a	B	M	Millenial	Casey	NA
## 90	a	B	M	Millenial	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	Millenial	Samantha NA
## 112	a	B	F	Millenial	Alexis NA
## 113	a	B	F	Millenial	Brittany NA
## 114	a	B	F	Millenial	Lauren NA
## 115	a	B	F	Millenial	Taylor NA
## 116	a	B	F	Millenial	Bethany NA
## 117	a	B	F	Millenial	Latoya NA
## 118	a	B	F	Millenial	Candice NA
## 119	a	B	F	Millenial	Brittney NA
## 120	a	B	F	Millenial	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	Millenial	Zachary NA
## 142	a	C	M	Millenial	Dylan NA
## 143	a	C	M	Millenial	Christian NA
## 144	a	C	M	Millenial	Wesley NA
## 145	a	C	M	Millenial	Seth NA
## 146	a	C	M	Millenial	Austin NA
## 147	a	C	M	Millenial	Gabriel NA
## 148	a	C	M	Millenial	Evan NA
## 149	a	C	M	Millenial	Casey NA
## 150	a	C	M	Millenial	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	Millenial	Samantha	NA
## 172	a	C	F	Millenial	Alexis	NA
## 173	a	C	F	Millenial	Brittany	NA
## 174	a	C	F	Millenial	Lauren	NA
## 175	a	C	F	Millenial	Taylor	NA
## 176	a	C	F	Millenial	Bethany	NA
## 177	a	C	F	Millenial	Latoya	NA
## 178	a	C	F	Millenial	Candice	NA
## 179	a	C	F	Millenial	Brittney	NA
## 180	a	C	F	Millenial	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	Millenial	Zachary	NA
## 202	b	A	M	Millenial	Dylan	NA
## 203	b	A	M	Millenial	Christian	NA
## 204	b	A	M	Millenial	Wesley	NA
## 205	b	A	M	Millenial	Seth	NA
## 206	b	A	M	Millenial	Austin	NA
## 207	b	A	M	Millenial	Gabriel	NA
## 208	b	A	M	Millenial	Evan	NA
## 209	b	A	M	Millenial	Casey	NA
## 210	b	A	M	Millenial	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	Millenial	Samantha	NA
## 232	b	A	F	Millenial	Alexis	NA
## 233	b	A	F	Millenial	Brittany	NA
## 234	b	A	F	Millenial	Lauren	NA
## 235	b	A	F	Millenial	Taylor	NA
## 236	b	A	F	Millenial	Bethany	NA
## 237	b	A	F	Millenial	Latoya	NA
## 238	b	A	F	Millenial	Candice	NA
## 239	b	A	F	Millenial	Brittney	NA
## 240	b	A	F	Millenial	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	Millenial	Zachary	NA
## 262	b	B	M	Millenial	Dylan	NA
## 263	b	B	M	Millenial	Christian	NA
## 264	b	B	M	Millenial	Wesley	NA
## 265	b	B	M	Millenial	Seth	NA
## 266	b	B	M	Millenial	Austin	NA
## 267	b	B	M	Millenial	Gabriel	NA
## 268	b	B	M	Millenial	Evan	NA
## 269	b	B	M	Millenial	Casey	NA
## 270	b	B	M	Millenial	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	Millenial	Samantha NA
## 292	b	B	F	Millenial	Alexis NA
## 293	b	B	F	Millenial	Brittany NA
## 294	b	B	F	Millenial	Lauren NA
## 295	b	B	F	Millenial	Taylor NA
## 296	b	B	F	Millenial	Bethany NA
## 297	b	B	F	Millenial	Latoya NA
## 298	b	B	F	Millenial	Candice NA
## 299	b	B	F	Millenial	Brittney NA
## 300	b	B	F	Millenial	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	Millenial	Zachary NA
## 322	b	C	M	Millenial	Dylan NA
## 323	b	C	M	Millenial	Christian NA
## 324	b	C	M	Millenial	Wesley NA

## 325	b	C	M	Millenial	Seth NA
## 326	b	C	M	Millenial	Austin NA
## 327	b	C	M	Millenial	Gabriel NA
## 328	b	C	M	Millenial	Evan NA
## 329	b	C	M	Millenial	Casey NA
## 330	b	C	M	Millenial	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	Millenial	Samantha NA
## 352	b	C	F	Millenial	Alexis NA
## 353	b	C	F	Millenial	Brittany NA
## 354	b	C	F	Millenial	Lauren NA
## 355	b	C	F	Millenial	Taylor NA
## 356	b	C	F	Millenial	Bethany NA
## 357	b	C	F	Millenial	Latoya NA
## 358	b	C	F	Millenial	Candice NA
## 359	b	C	F	Millenial	Brittney NA
## 360	b	C	F	Millenial	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	Millenial	Zachary NA
## 382	c	A	M	Millenial	Dylan NA
## 383	c	A	M	Millenial	Christian NA
## 384	c	A	M	Millenial	Wesley NA
## 385	c	A	M	Millenial	Seth NA
## 386	c	A	M	Millenial	Austin NA
## 387	c	A	M	Millenial	Gabriel NA
## 388	c	A	M	Millenial	Evan NA
## 389	c	A	M	Millenial	Casey NA
## 390	c	A	M	Millenial	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	Millenial	Samantha NA
## 412	c	A	F	Millenial	Alexis NA
## 413	c	A	F	Millenial	Brittany NA
## 414	c	A	F	Millenial	Lauren NA
## 415	c	A	F	Millenial	Taylor NA
## 416	c	A	F	Millenial	Bethany NA
## 417	c	A	F	Millenial	Latoya NA
## 418	c	A	F	Millenial	Candice NA
## 419	c	A	F	Millenial	Brittney NA
## 420	c	A	F	Millenial	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	Millenial	Zachary	NA
## 442	c	B	M	Millenial	Dylan	NA
## 443	c	B	M	Millenial	Christian	NA
## 444	c	B	M	Millenial	Wesley	NA
## 445	c	B	M	Millenial	Seth	NA
## 446	c	B	M	Millenial	Austin	NA
## 447	c	B	M	Millenial	Gabriel	NA
## 448	c	B	M	Millenial	Evan	NA
## 449	c	B	M	Millenial	Casey	NA
## 450	c	B	M	Millenial	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	Millenial	Samantha	NA
## 472	c	B	F	Millenial	Alexis	NA
## 473	c	B	F	Millenial	Brittany	NA
## 474	c	B	F	Millenial	Lauren	NA
## 475	c	B	F	Millenial	Taylor	NA
## 476	c	B	F	Millenial	Bethany	NA
## 477	c	B	F	Millenial	Latoya	NA
## 478	c	B	F	Millenial	Candice	NA
## 479	c	B	F	Millenial	Brittney	NA
## 480	c	B	F	Millenial	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	Millenial	Zachary NA
## 502	c	C	M	Millenial	Dylan NA
## 503	c	C	M	Millenial	Christian NA
## 504	c	C	M	Millenial	Wesley NA
## 505	c	C	M	Millenial	Seth NA
## 506	c	C	M	Millenial	Austin NA
## 507	c	C	M	Millenial	Gabriel NA
## 508	c	C	M	Millenial	Evan NA
## 509	c	C	M	Millenial	Casey NA
## 510	c	C	M	Millenial	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	Millenial	Samantha NA
## 532	c	C	F	Millenial	Alexis NA
## 533	c	C	F	Millenial	Brittany NA
## 534	c	C	F	Millenial	Lauren NA
## 535	c	C	F	Millenial	Taylor NA
## 536	c	C	F	Millenial	Bethany NA
## 537	c	C	F	Millenial	Latoya NA
## 538	c	C	F	Millenial	Candice NA
## 539	c	C	F	Millenial	Brittney NA
## 540	c	C	F	Millenial	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	Millenial	Zachary	NA
## 562	d	A	M	Millenial	Dylan	NA
## 563	d	A	M	Millenial	Christian	NA
## 564	d	A	M	Millenial	Wesley	NA
## 565	d	A	M	Millenial	Seth	NA
## 566	d	A	M	Millenial	Austin	NA
## 567	d	A	M	Millenial	Gabriel	NA
## 568	d	A	M	Millenial	Evan	NA
## 569	d	A	M	Millenial	Casey	NA
## 570	d	A	M	Millenial	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	Millenial	Samantha	NA
## 592	d	A	F	Millenial	Alexis	NA
## 593	d	A	F	Millenial	Brittany	NA
## 594	d	A	F	Millenial	Lauren	NA

## 595	d	A	F	Millenial	Taylor	NA
## 596	d	A	F	Millenial	Bethany	NA
## 597	d	A	F	Millenial	Latoya	NA
## 598	d	A	F	Millenial	Candice	NA
## 599	d	A	F	Millenial	Brittney	NA
## 600	d	A	F	Millenial	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	Millenial	Zachary	NA
## 622	d	B	M	Millenial	Dylan	NA
## 623	d	B	M	Millenial	Christian	NA
## 624	d	B	M	Millenial	Wesley	NA
## 625	d	B	M	Millenial	Seth	NA
## 626	d	B	M	Millenial	Austin	NA
## 627	d	B	M	Millenial	Gabriel	NA
## 628	d	B	M	Millenial	Evan	NA
## 629	d	B	M	Millenial	Casey	NA
## 630	d	B	M	Millenial	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	Millenial	Samantha NA
## 652	d	B	F	Millenial	Alexis NA
## 653	d	B	F	Millenial	Brittany NA
## 654	d	B	F	Millenial	Lauren NA
## 655	d	B	F	Millenial	Taylor NA
## 656	d	B	F	Millenial	Bethany NA
## 657	d	B	F	Millenial	Latoya NA
## 658	d	B	F	Millenial	Candice NA
## 659	d	B	F	Millenial	Brittney NA
## 660	d	B	F	Millenial	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	Millenial	Zachary NA
## 682	d	C	M	Millenial	Dylan NA
## 683	d	C	M	Millenial	Christian NA
## 684	d	C	M	Millenial	Wesley NA
## 685	d	C	M	Millenial	Seth NA
## 686	d	C	M	Millenial	Austin NA
## 687	d	C	M	Millenial	Gabriel NA
## 688	d	C	M	Millenial	Evan NA
## 689	d	C	M	Millenial	Casey NA
## 690	d	C	M	Millenial	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	Millenial	Samantha	NA
## 712	d	C	F	Millenial	Alexis	NA
## 713	d	C	F	Millenial	Brittany	NA
## 714	d	C	F	Millenial	Lauren	NA
## 715	d	C	F	Millenial	Taylor	NA
## 716	d	C	F	Millenial	Bethany	NA
## 717	d	C	F	Millenial	Latoya	NA
## 718	d	C	F	Millenial	Candice	NA
## 719	d	C	F	Millenial	Brittney	NA
## 720	d	C	F	Millenial	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	Millenial	Zachary	NA
## 742	e	A	M	Millenial	Dylan	NA
## 743	e	A	M	Millenial	Christian	NA
## 744	e	A	M	Millenial	Wesley	NA
## 745	e	A	M	Millenial	Seth	NA
## 746	e	A	M	Millenial	Austin	NA
## 747	e	A	M	Millenial	Gabriel	NA
## 748	e	A	M	Millenial	Evan	NA
## 749	e	A	M	Millenial	Casey	NA
## 750	e	A	M	Millenial	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	Millenial	Samantha	NA
## 772	e	A	F	Millenial	Alexis	NA
## 773	e	A	F	Millenial	Brittany	NA
## 774	e	A	F	Millenial	Lauren	NA
## 775	e	A	F	Millenial	Taylor	NA
## 776	e	A	F	Millenial	Bethany	NA
## 777	e	A	F	Millenial	Latoya	NA
## 778	e	A	F	Millenial	Candice	NA
## 779	e	A	F	Millenial	Brittney	NA
## 780	e	A	F	Millenial	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	Millenial	Zachary	NA
## 802	e	B	M	Millenial	Dylan	NA
## 803	e	B	M	Millenial	Christian	NA
## 804	e	B	M	Millenial	Wesley	NA
## 805	e	B	M	Millenial	Seth	NA
## 806	e	B	M	Millenial	Austin	NA
## 807	e	B	M	Millenial	Gabriel	NA
## 808	e	B	M	Millenial	Evan	NA
## 809	e	B	M	Millenial	Casey	NA
## 810	e	B	M	Millenial	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	Millenial	Samantha NA
## 832	e	B	F	Millenial	Alexis NA
## 833	e	B	F	Millenial	Brittany NA
## 834	e	B	F	Millenial	Lauren NA
## 835	e	B	F	Millenial	Taylor NA
## 836	e	B	F	Millenial	Bethany NA
## 837	e	B	F	Millenial	Latoya NA
## 838	e	B	F	Millenial	Candice NA
## 839	e	B	F	Millenial	Brittney NA
## 840	e	B	F	Millenial	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	Millenial	Zachary NA
## 862	e	C	M	Millenial	Dylan NA
## 863	e	C	M	Millenial	Christian NA
## 864	e	C	M	Millenial	Wesley NA

## 865	e	C	M	Millenial	Seth NA
## 866	e	C	M	Millenial	Austin NA
## 867	e	C	M	Millenial	Gabriel NA
## 868	e	C	M	Millenial	Evan NA
## 869	e	C	M	Millenial	Casey NA
## 870	e	C	M	Millenial	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	Millenial	Samantha NA
## 892	e	C	F	Millenial	Alexis NA
## 893	e	C	F	Millenial	Brittany NA
## 894	e	C	F	Millenial	Lauren NA
## 895	e	C	F	Millenial	Taylor NA
## 896	e	C	F	Millenial	Bethany NA
## 897	e	C	F	Millenial	Latoya NA
## 898	e	C	F	Millenial	Candice NA
## 899	e	C	F	Millenial	Brittney NA
## 900	e	C	F	Millenial	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	Millenial	Zachary	NA
## 922	f	A	M	Millenial	Dylan	NA
## 923	f	A	M	Millenial	Christian	NA
## 924	f	A	M	Millenial	Wesley	NA
## 925	f	A	M	Millenial	Seth	NA
## 926	f	A	M	Millenial	Austin	NA
## 927	f	A	M	Millenial	Gabriel	NA
## 928	f	A	M	Millenial	Evan	NA
## 929	f	A	M	Millenial	Casey	NA
## 930	f	A	M	Millenial	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	Millenial	Samantha	NA
## 952	f	A	F	Millenial	Alexis	NA
## 953	f	A	F	Millenial	Brittany	NA
## 954	f	A	F	Millenial	Lauren	NA
## 955	f	A	F	Millenial	Taylor	NA
## 956	f	A	F	Millenial	Bethany	NA
## 957	f	A	F	Millenial	Latoya	NA
## 958	f	A	F	Millenial	Candice	NA
## 959	f	A	F	Millenial	Brittney	NA
## 960	f	A	F	Millenial	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	Millenial	Zachary NA
## 982	f	B	M	Millenial	Dylan NA
## 983	f	B	M	Millenial	Christian NA
## 984	f	B	M	Millenial	Wesley NA
## 985	f	B	M	Millenial	Seth NA
## 986	f	B	M	Millenial	Austin NA
## 987	f	B	M	Millenial	Gabriel NA
## 988	f	B	M	Millenial	Evan NA
## 989	f	B	M	Millenial	Casey NA
## 990	f	B	M	Millenial	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	Millenial	Samantha NA
## 1012	f	B	F	Millenial	Alexis NA
## 1013	f	B	F	Millenial	Brittany NA
## 1014	f	B	F	Millenial	Lauren NA
## 1015	f	B	F	Millenial	Taylor NA
## 1016	f	B	F	Millenial	Bethany NA
## 1017	f	B	F	Millenial	Latoya NA
## 1018	f	B	F	Millenial	Candice NA
## 1019	f	B	F	Millenial	Brittney NA
## 1020	f	B	F	Millenial	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	Millenial	Zachary NA
## 1042	f	C	M	Millenial	Dylan NA
## 1043	f	C	M	Millenial	Christian NA
## 1044	f	C	M	Millenial	Wesley NA
## 1045	f	C	M	Millenial	Seth NA
## 1046	f	C	M	Millenial	Austin NA
## 1047	f	C	M	Millenial	Gabriel NA
## 1048	f	C	M	Millenial	Evan NA
## 1049	f	C	M	Millenial	Casey NA
## 1050	f	C	M	Millenial	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	Millenial	Samantha NA
## 1072	f	C	F	Millenial	Alexis NA
## 1073	f	C	F	Millenial	Brittany NA
## 1074	f	C	F	Millenial	Lauren NA
## 1075	f	C	F	Millenial	Taylor NA
## 1076	f	C	F	Millenial	Bethany NA
## 1077	f	C	F	Millenial	Latoya NA
## 1078	f	C	F	Millenial	Candice NA
## 1079	f	C	F	Millenial	Brittney NA
## 1080	f	C	F	Millenial	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	Millenial	Zachary	NA
## 1102	g	A	M	Millenial	Dylan	NA
## 1103	g	A	M	Millenial	Christian	NA
## 1104	g	A	M	Millenial	Wesley	NA
## 1105	g	A	M	Millenial	Seth	NA
## 1106	g	A	M	Millenial	Austin	NA
## 1107	g	A	M	Millenial	Gabriel	NA
## 1108	g	A	M	Millenial	Evan	NA
## 1109	g	A	M	Millenial	Casey	NA
## 1110	g	A	M	Millenial	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	Millenial	Samantha	NA
## 1132	g	A	F	Millenial	Alexis	NA
## 1133	g	A	F	Millenial	Brittany	NA
## 1134	g	A	F	Millenial	Lauren	NA

## 1135	g	A	F	Millenial	Taylor	NA
## 1136	g	A	F	Millenial	Bethany	NA
## 1137	g	A	F	Millenial	Latoya	NA
## 1138	g	A	F	Millenial	Candice	NA
## 1139	g	A	F	Millenial	Brittney	NA
## 1140	g	A	F	Millenial	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	Millenial	Zachary	NA
## 1162	g	B	M	Millenial	Dylan	NA
## 1163	g	B	M	Millenial	Christian	NA
## 1164	g	B	M	Millenial	Wesley	NA
## 1165	g	B	M	Millenial	Seth	NA
## 1166	g	B	M	Millenial	Austin	NA
## 1167	g	B	M	Millenial	Gabriel	NA
## 1168	g	B	M	Millenial	Evan	NA
## 1169	g	B	M	Millenial	Casey	NA
## 1170	g	B	M	Millenial	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	Millenial	Samantha NA
## 1192	g	B	F	Millenial	Alexis NA
## 1193	g	B	F	Millenial	Brittany NA
## 1194	g	B	F	Millenial	Lauren NA
## 1195	g	B	F	Millenial	Taylor NA
## 1196	g	B	F	Millenial	Bethany NA
## 1197	g	B	F	Millenial	Latoya NA
## 1198	g	B	F	Millenial	Candice NA
## 1199	g	B	F	Millenial	Brittney NA
## 1200	g	B	F	Millenial	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	Millenial	Zachary NA
## 1222	g	C	M	Millenial	Dylan NA
## 1223	g	C	M	Millenial	Christian NA
## 1224	g	C	M	Millenial	Wesley NA
## 1225	g	C	M	Millenial	Seth NA
## 1226	g	C	M	Millenial	Austin NA
## 1227	g	C	M	Millenial	Gabriel NA
## 1228	g	C	M	Millenial	Evan NA
## 1229	g	C	M	Millenial	Casey NA
## 1230	g	C	M	Millenial	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	Millenial	Samantha	NA
## 1252	g	C	F	Millenial	Alexis	NA
## 1253	g	C	F	Millenial	Brittany	NA
## 1254	g	C	F	Millenial	Lauren	NA
## 1255	g	C	F	Millenial	Taylor	NA
## 1256	g	C	F	Millenial	Bethany	NA
## 1257	g	C	F	Millenial	Latoya	NA
## 1258	g	C	F	Millenial	Candice	NA
## 1259	g	C	F	Millenial	Brittney	NA
## 1260	g	C	F	Millenial	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	Millenial	Zachary	NA
## 1282	h	A	M	Millenial	Dylan	NA
## 1283	h	A	M	Millenial	Christian	NA
## 1284	h	A	M	Millenial	Wesley	NA
## 1285	h	A	M	Millenial	Seth	NA
## 1286	h	A	M	Millenial	Austin	NA
## 1287	h	A	M	Millenial	Gabriel	NA
## 1288	h	A	M	Millenial	Evan	NA
## 1289	h	A	M	Millenial	Casey	NA
## 1290	h	A	M	Millenial	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	Millenial	Samantha	NA
## 1312	h	A	F	Millenial	Alexis	NA
## 1313	h	A	F	Millenial	Brittany	NA
## 1314	h	A	F	Millenial	Lauren	NA
## 1315	h	A	F	Millenial	Taylor	NA
## 1316	h	A	F	Millenial	Bethany	NA
## 1317	h	A	F	Millenial	Latoya	NA
## 1318	h	A	F	Millenial	Candice	NA
## 1319	h	A	F	Millenial	Brittney	NA
## 1320	h	A	F	Millenial	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	Millenial	Zachary	NA
## 1342	h	B	M	Millenial	Dylan	NA
## 1343	h	B	M	Millenial	Christian	NA
## 1344	h	B	M	Millenial	Wesley	NA
## 1345	h	B	M	Millenial	Seth	NA
## 1346	h	B	M	Millenial	Austin	NA
## 1347	h	B	M	Millenial	Gabriel	NA
## 1348	h	B	M	Millenial	Evan	NA
## 1349	h	B	M	Millenial	Casey	NA
## 1350	h	B	M	Millenial	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	Millenial	Samantha NA
## 1372	h	B	F	Millenial	Alexis NA
## 1373	h	B	F	Millenial	Brittany NA
## 1374	h	B	F	Millenial	Lauren NA
## 1375	h	B	F	Millenial	Taylor NA
## 1376	h	B	F	Millenial	Bethany NA
## 1377	h	B	F	Millenial	Latoya NA
## 1378	h	B	F	Millenial	Candice NA
## 1379	h	B	F	Millenial	Brittney NA
## 1380	h	B	F	Millenial	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	Millenial	Zachary NA
## 1402	h	C	M	Millenial	Dylan NA
## 1403	h	C	M	Millenial	Christian NA
## 1404	h	C	M	Millenial	Wesley NA

## 1405	h	C	M	Millenial	Seth NA
## 1406	h	C	M	Millenial	Austin NA
## 1407	h	C	M	Millenial	Gabriel NA
## 1408	h	C	M	Millenial	Evan NA
## 1409	h	C	M	Millenial	Casey NA
## 1410	h	C	M	Millenial	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	Millenial	Samantha NA
## 1432	h	C	F	Millenial	Alexis NA
## 1433	h	C	F	Millenial	Brittany NA
## 1434	h	C	F	Millenial	Lauren NA
## 1435	h	C	F	Millenial	Taylor NA
## 1436	h	C	F	Millenial	Bethany NA
## 1437	h	C	F	Millenial	Latoya NA
## 1438	h	C	F	Millenial	Candice NA
## 1439	h	C	F	Millenial	Brittney NA
## 1440	h	C	F	Millenial	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	Millenial	Zachary	NA
## 1462	i	A	M	Millenial	Dylan	NA
## 1463	i	A	M	Millenial	Christian	NA
## 1464	i	A	M	Millenial	Wesley	NA
## 1465	i	A	M	Millenial	Seth	NA
## 1466	i	A	M	Millenial	Austin	NA
## 1467	i	A	M	Millenial	Gabriel	NA
## 1468	i	A	M	Millenial	Evan	NA
## 1469	i	A	M	Millenial	Casey	NA
## 1470	i	A	M	Millenial	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	Millenial	Samantha	NA
## 1492	i	A	F	Millenial	Alexis	NA
## 1493	i	A	F	Millenial	Brittany	NA
## 1494	i	A	F	Millenial	Lauren	NA
## 1495	i	A	F	Millenial	Taylor	NA
## 1496	i	A	F	Millenial	Bethany	NA
## 1497	i	A	F	Millenial	Latoya	NA
## 1498	i	A	F	Millenial	Candice	NA
## 1499	i	A	F	Millenial	Brittney	NA
## 1500	i	A	F	Millenial	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	Millenial	Zachary	NA
## 1522	i	B	M	Millenial	Dylan	NA
## 1523	i	B	M	Millenial	Christian	NA
## 1524	i	B	M	Millenial	Wesley	NA
## 1525	i	B	M	Millenial	Seth	NA
## 1526	i	B	M	Millenial	Austin	NA
## 1527	i	B	M	Millenial	Gabriel	NA
## 1528	i	B	M	Millenial	Evan	NA
## 1529	i	B	M	Millenial	Casey	NA
## 1530	i	B	M	Millenial	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	Millenial	Samantha	NA
## 1552	i	B	F	Millenial	Alexis	NA
## 1553	i	B	F	Millenial	Brittany	NA
## 1554	i	B	F	Millenial	Lauren	NA
## 1555	i	B	F	Millenial	Taylor	NA
## 1556	i	B	F	Millenial	Bethany	NA
## 1557	i	B	F	Millenial	Latoya	NA
## 1558	i	B	F	Millenial	Candice	NA
## 1559	i	B	F	Millenial	Brittney	NA
## 1560	i	B	F	Millenial	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	Millenial	Zachary NA
## 1582	i	C	M	Millenial	Dylan NA
## 1583	i	C	M	Millenial	Christian NA
## 1584	i	C	M	Millenial	Wesley NA
## 1585	i	C	M	Millenial	Seth NA
## 1586	i	C	M	Millenial	Austin NA
## 1587	i	C	M	Millenial	Gabriel NA
## 1588	i	C	M	Millenial	Evan NA
## 1589	i	C	M	Millenial	Casey NA
## 1590	i	C	M	Millenial	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	Millenial	Samantha NA
## 1612	i	C	F	Millenial	Alexis NA
## 1613	i	C	F	Millenial	Brittany NA
## 1614	i	C	F	Millenial	Lauren NA
## 1615	i	C	F	Millenial	Taylor NA
## 1616	i	C	F	Millenial	Bethany NA
## 1617	i	C	F	Millenial	Latoya NA
## 1618	i	C	F	Millenial	Candice NA
## 1619	i	C	F	Millenial	Brittney NA
## 1620	i	C	F	Millenial	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	Millenial	Zachary	NA
## 1642	j	A	M	Millenial	Dylan	NA
## 1643	j	A	M	Millenial	Christian	NA
## 1644	j	A	M	Millenial	Wesley	NA
## 1645	j	A	M	Millenial	Seth	NA
## 1646	j	A	M	Millenial	Austin	NA
## 1647	j	A	M	Millenial	Gabriel	NA
## 1648	j	A	M	Millenial	Evan	NA
## 1649	j	A	M	Millenial	Casey	NA
## 1650	j	A	M	Millenial	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	Millenial	Samantha	NA
## 1672	j	A	F	Millenial	Alexis	NA
## 1673	j	A	F	Millenial	Brittany	NA
## 1674	j	A	F	Millenial	Lauren	NA

## 1675	j	A	F	Millenial	Taylor	NA
## 1676	j	A	F	Millenial	Bethany	NA
## 1677	j	A	F	Millenial	Latoya	NA
## 1678	j	A	F	Millenial	Candice	NA
## 1679	j	A	F	Millenial	Brittney	NA
## 1680	j	A	F	Millenial	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	Millenial	Zachary	NA
## 1702	j	B	M	Millenial	Dylan	NA
## 1703	j	B	M	Millenial	Christian	NA
## 1704	j	B	M	Millenial	Wesley	NA
## 1705	j	B	M	Millenial	Seth	NA
## 1706	j	B	M	Millenial	Austin	NA
## 1707	j	B	M	Millenial	Gabriel	NA
## 1708	j	B	M	Millenial	Evan	NA
## 1709	j	B	M	Millenial	Casey	NA
## 1710	j	B	M	Millenial	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	Millenial	Samantha NA
## 1732	j	B	F	Millenial	Alexis NA
## 1733	j	B	F	Millenial	Brittany NA
## 1734	j	B	F	Millenial	Lauren NA
## 1735	j	B	F	Millenial	Taylor NA
## 1736	j	B	F	Millenial	Bethany NA
## 1737	j	B	F	Millenial	Latoya NA
## 1738	j	B	F	Millenial	Candice NA
## 1739	j	B	F	Millenial	Brittney NA
## 1740	j	B	F	Millenial	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	Millenial	Zachary NA
## 1762	j	C	M	Millenial	Dylan NA
## 1763	j	C	M	Millenial	Christian NA
## 1764	j	C	M	Millenial	Wesley NA
## 1765	j	C	M	Millenial	Seth NA
## 1766	j	C	M	Millenial	Austin NA
## 1767	j	C	M	Millenial	Gabriel NA
## 1768	j	C	M	Millenial	Evan NA
## 1769	j	C	M	Millenial	Casey NA
## 1770	j	C	M	Millenial	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	Millenial	Samantha NA
## 1792	j	C	F	Millenial	Alexis NA
## 1793	j	C	F	Millenial	Brittany NA
## 1794	j	C	F	Millenial	Lauren NA
## 1795	j	C	F	Millenial	Taylor NA
## 1796	j	C	F	Millenial	Bethany NA
## 1797	j	C	F	Millenial	Latoya NA
## 1798	j	C	F	Millenial	Candice NA
## 1799	j	C	F	Millenial	Brittney NA
## 1800	j	C	F	Millenial	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	Millenial	Zachary NA
## 1822	k	A	M	Millenial	Dylan NA
## 1823	k	A	M	Millenial	Christian NA
## 1824	k	A	M	Millenial	Wesley NA
## 1825	k	A	M	Millenial	Seth NA
## 1826	k	A	M	Millenial	Austin NA
## 1827	k	A	M	Millenial	Gabriel NA
## 1828	k	A	M	Millenial	Evan NA
## 1829	k	A	M	Millenial	Casey NA
## 1830	k	A	M	Millenial	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	Millenial	Samantha	NA
## 1852	k	A	F	Millenial	Alexis	NA
## 1853	k	A	F	Millenial	Brittany	NA
## 1854	k	A	F	Millenial	Lauren	NA
## 1855	k	A	F	Millenial	Taylor	NA
## 1856	k	A	F	Millenial	Bethany	NA
## 1857	k	A	F	Millenial	Latoya	NA
## 1858	k	A	F	Millenial	Candice	NA
## 1859	k	A	F	Millenial	Brittney	NA
## 1860	k	A	F	Millenial	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	Millenial	Zachary	NA
## 1882	k	B	M	Millenial	Dylan	NA
## 1883	k	B	M	Millenial	Christian	NA
## 1884	k	B	M	Millenial	Wesley	NA
## 1885	k	B	M	Millenial	Seth	NA
## 1886	k	B	M	Millenial	Austin	NA
## 1887	k	B	M	Millenial	Gabriel	NA
## 1888	k	B	M	Millenial	Evan	NA
## 1889	k	B	M	Millenial	Casey	NA
## 1890	k	B	M	Millenial	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	Millenial	Samantha NA
## 1912	k	B	F	Millenial	Alexis NA
## 1913	k	B	F	Millenial	Brittany NA
## 1914	k	B	F	Millenial	Lauren NA
## 1915	k	B	F	Millenial	Taylor NA
## 1916	k	B	F	Millenial	Bethany NA
## 1917	k	B	F	Millenial	Latoya NA
## 1918	k	B	F	Millenial	Candice NA
## 1919	k	B	F	Millenial	Brittney NA
## 1920	k	B	F	Millenial	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	Millenial	Zachary NA
## 1942	k	C	M	Millenial	Dylan NA
## 1943	k	C	M	Millenial	Christian NA
## 1944	k	C	M	Millenial	Wesley NA

## 1945	k	C	M	Millenial	Seth NA
## 1946	k	C	M	Millenial	Austin NA
## 1947	k	C	M	Millenial	Gabriel NA
## 1948	k	C	M	Millenial	Evan NA
## 1949	k	C	M	Millenial	Casey NA
## 1950	k	C	M	Millenial	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	Millenial	Samantha NA
## 1972	k	C	F	Millenial	Alexis NA
## 1973	k	C	F	Millenial	Brittany NA
## 1974	k	C	F	Millenial	Lauren NA
## 1975	k	C	F	Millenial	Taylor NA
## 1976	k	C	F	Millenial	Bethany NA
## 1977	k	C	F	Millenial	Latoya NA
## 1978	k	C	F	Millenial	Candice NA
## 1979	k	C	F	Millenial	Brittney NA
## 1980	k	C	F	Millenial	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	l	A	M	GenX	Chris NA

## 1999	1	A	M	GenX	Troy	NA
## 2000	1	A	M	GenX	Jeff	NA
## 2001	1	A	M	Millenial	Zachary	NA
## 2002	1	A	M	Millenial	Dylan	NA
## 2003	1	A	M	Millenial	Christian	NA
## 2004	1	A	M	Millenial	Wesley	NA
## 2005	1	A	M	Millenial	Seth	NA
## 2006	1	A	M	Millenial	Austin	NA
## 2007	1	A	M	Millenial	Gabriel	NA
## 2008	1	A	M	Millenial	Evan	NA
## 2009	1	A	M	Millenial	Casey	NA
## 2010	1	A	M	Millenial	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	Millenial	Samantha	NA
## 2032	1	A	F	Millenial	Alexis	NA
## 2033	1	A	F	Millenial	Brittany	NA
## 2034	1	A	F	Millenial	Lauren	NA
## 2035	1	A	F	Millenial	Taylor	NA
## 2036	1	A	F	Millenial	Bethany	NA
## 2037	1	A	F	Millenial	Latoya	NA
## 2038	1	A	F	Millenial	Candice	NA
## 2039	1	A	F	Millenial	Brittney	NA
## 2040	1	A	F	Millenial	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	Millenial	Zachary	NA
## 2062	1	B	M	Millenial	Dylan	NA
## 2063	1	B	M	Millenial	Christian	NA
## 2064	1	B	M	Millenial	Wesley	NA
## 2065	1	B	M	Millenial	Seth	NA
## 2066	1	B	M	Millenial	Austin	NA
## 2067	1	B	M	Millenial	Gabriel	NA
## 2068	1	B	M	Millenial	Evan	NA
## 2069	1	B	M	Millenial	Casey	NA
## 2070	1	B	M	Millenial	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	Millenial	Samantha	NA
## 2092	1	B	F	Millenial	Alexis	NA
## 2093	1	B	F	Millenial	Brittany	NA
## 2094	1	B	F	Millenial	Lauren	NA
## 2095	1	B	F	Millenial	Taylor	NA
## 2096	1	B	F	Millenial	Bethany	NA
## 2097	1	B	F	Millenial	Latoya	NA
## 2098	1	B	F	Millenial	Candice	NA
## 2099	1	B	F	Millenial	Brittney	NA
## 2100	1	B	F	Millenial	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	Millenial	Zachary NA
## 2122	1	C	M	Millenial	Dylan NA
## 2123	1	C	M	Millenial	Christian NA
## 2124	1	C	M	Millenial	Wesley NA
## 2125	1	C	M	Millenial	Seth NA
## 2126	1	C	M	Millenial	Austin NA
## 2127	1	C	M	Millenial	Gabriel NA
## 2128	1	C	M	Millenial	Evan NA
## 2129	1	C	M	Millenial	Casey NA
## 2130	1	C	M	Millenial	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	Millenial	Samantha NA
## 2152	1	C	F	Millenial	Alexis NA
## 2153	1	C	F	Millenial	Brittany NA
## 2154	1	C	F	Millenial	Lauren NA
## 2155	1	C	F	Millenial	Taylor NA
## 2156	1	C	F	Millenial	Bethany NA
## 2157	1	C	F	Millenial	Latoya NA
## 2158	1	C	F	Millenial	Candice NA
## 2159	1	C	F	Millenial	Brittney NA
## 2160	1	C	F	Millenial	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	Millenial	Zachary	NA
## 2182	m	A	M	Millenial	Dylan	NA
## 2183	m	A	M	Millenial	Christian	NA
## 2184	m	A	M	Millenial	Wesley	NA
## 2185	m	A	M	Millenial	Seth	NA
## 2186	m	A	M	Millenial	Austin	NA
## 2187	m	A	M	Millenial	Gabriel	NA
## 2188	m	A	M	Millenial	Evan	NA
## 2189	m	A	M	Millenial	Casey	NA
## 2190	m	A	M	Millenial	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	Millenial	Samantha	NA
## 2212	m	A	F	Millenial	Alexis	NA
## 2213	m	A	F	Millenial	Brittany	NA
## 2214	m	A	F	Millenial	Lauren	NA

## 2215	m	A	F	Millenial	Taylor	NA
## 2216	m	A	F	Millenial	Bethany	NA
## 2217	m	A	F	Millenial	Latoya	NA
## 2218	m	A	F	Millenial	Candice	NA
## 2219	m	A	F	Millenial	Brittney	NA
## 2220	m	A	F	Millenial	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	Millenial	Zachary	NA
## 2242	m	B	M	Millenial	Dylan	NA
## 2243	m	B	M	Millenial	Christian	NA
## 2244	m	B	M	Millenial	Wesley	NA
## 2245	m	B	M	Millenial	Seth	NA
## 2246	m	B	M	Millenial	Austin	NA
## 2247	m	B	M	Millenial	Gabriel	NA
## 2248	m	B	M	Millenial	Evan	NA
## 2249	m	B	M	Millenial	Casey	NA
## 2250	m	B	M	Millenial	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	Millenial	Samantha	NA
## 2272	m	B	F	Millenial	Alexis	NA
## 2273	m	B	F	Millenial	Brittany	NA
## 2274	m	B	F	Millenial	Lauren	NA
## 2275	m	B	F	Millenial	Taylor	NA
## 2276	m	B	F	Millenial	Bethany	NA
## 2277	m	B	F	Millenial	Latoya	NA
## 2278	m	B	F	Millenial	Candice	NA
## 2279	m	B	F	Millenial	Brittney	NA
## 2280	m	B	F	Millenial	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	Millenial	Zachary	NA
## 2302	m	C	M	Millenial	Dylan	NA
## 2303	m	C	M	Millenial	Christian	NA
## 2304	m	C	M	Millenial	Wesley	NA
## 2305	m	C	M	Millenial	Seth	NA
## 2306	m	C	M	Millenial	Austin	NA
## 2307	m	C	M	Millenial	Gabriel	NA
## 2308	m	C	M	Millenial	Evan	NA
## 2309	m	C	M	Millenial	Casey	NA
## 2310	m	C	M	Millenial	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	Millenial	Samantha	NA
## 2332	m	C	F	Millenial	Alexis	NA
## 2333	m	C	F	Millenial	Brittany	NA
## 2334	m	C	F	Millenial	Lauren	NA
## 2335	m	C	F	Millenial	Taylor	NA
## 2336	m	C	F	Millenial	Bethany	NA
## 2337	m	C	F	Millenial	Latoya	NA
## 2338	m	C	F	Millenial	Candice	NA
## 2339	m	C	F	Millenial	Brittney	NA
## 2340	m	C	F	Millenial	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	Millenial	Zachary	NA
## 2362	n	A	M	Millenial	Dylan	NA
## 2363	n	A	M	Millenial	Christian	NA
## 2364	n	A	M	Millenial	Wesley	NA
## 2365	n	A	M	Millenial	Seth	NA
## 2366	n	A	M	Millenial	Austin	NA
## 2367	n	A	M	Millenial	Gabriel	NA
## 2368	n	A	M	Millenial	Evan	NA
## 2369	n	A	M	Millenial	Casey	NA
## 2370	n	A	M	Millenial	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	Millenial	Samantha NA
## 2452	n	B	F	Millenial	Alexis NA
## 2453	n	B	F	Millenial	Brittany NA
## 2454	n	B	F	Millenial	Lauren NA
## 2455	n	B	F	Millenial	Taylor NA
## 2456	n	B	F	Millenial	Bethany NA
## 2457	n	B	F	Millenial	Latoya NA
## 2458	n	B	F	Millenial	Candice NA
## 2459	n	B	F	Millenial	Brittney NA
## 2460	n	B	F	Millenial	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	Millenial	Zachary NA
## 2482	n	C	M	Millenial	Dylan NA
## 2483	n	C	M	Millenial	Christian NA
## 2484	n	C	M	Millenial	Wesley NA

## 2485	n	C	M	Millenial	Seth	NA
## 2486	n	C	M	Millenial	Austin	NA
## 2487	n	C	M	Millenial	Gabriel	NA
## 2488	n	C	M	Millenial	Evan	NA
## 2489	n	C	M	Millenial	Casey	NA
## 2490	n	C	M	Millenial	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	Millenial	Samantha	NA
## 2512	n	C	F	Millenial	Alexis	NA
## 2513	n	C	F	Millenial	Brittany	NA
## 2514	n	C	F	Millenial	Lauren	NA
## 2515	n	C	F	Millenial	Taylor	NA
## 2516	n	C	F	Millenial	Bethany	NA
## 2517	n	C	F	Millenial	Latoya	NA
## 2518	n	C	F	Millenial	Candice	NA
## 2519	n	C	F	Millenial	Brittney	NA
## 2520	n	C	F	Millenial	Cheyenne	NA

Packages

Install the package `pacman` using regular base R.

```
install.packages("pacman")
```

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)
```

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"))
```

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.

```
## Nearest Neighbor Classifier
##
## Classify an observation based on the label of the closest observation in the 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)
  }
  y_binary[which.min(distances)]
}
```

Write a few tests to ensure it actually works:

```
data(iris)
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
## 101	6.3	3.3	6.0	2.5 virginica
## 102	5.8	2.7	5.1	1.9 virginica
## 103	7.1	3.0	5.9	2.1 virginica
## 104	6.3	2.9	5.6	1.8 virginica
## 105	6.5	3.0	5.8	2.2 virginica
## 106	7.6	3.0	6.6	2.1 virginica
## 107	4.9	2.5	4.5	1.7 virginica
## 108	7.3	2.9	6.3	1.8 virginica
## 109	6.7	2.5	5.8	1.8 virginica
## 110	7.2	3.6	6.1	2.5 virginica
## 111	6.5	3.2	5.1	2.0 virginica
## 112	6.4	2.7	5.3	1.9 virginica
## 113	6.8	3.0	5.5	2.1 virginica
## 114	5.7	2.5	5.0	2.0 virginica
## 115	5.8	2.8	5.1	2.4 virginica
## 116	6.4	3.2	5.3	2.3 virginica
## 117	6.5	3.0	5.5	1.8 virginica
## 118	7.7	3.8	6.7	2.2 virginica
## 119	7.7	2.6	6.9	2.3 virginica
## 120	6.0	2.2	5.0	1.5 virginica
## 121	6.9	3.2	5.7	2.3 virginica
## 122	5.6	2.8	4.9	2.0 virginica
## 123	7.7	2.8	6.7	2.0 virginica
## 124	6.3	2.7	4.9	1.8 virginica
## 125	6.7	3.3	5.7	2.1 virginica
## 126	7.2	3.2	6.0	1.8 virginica
## 127	6.2	2.8	4.8	1.8 virginica
## 128	6.1	3.0	4.9	1.8 virginica

```
## 129      6.4      2.8      5.6      2.1 virginica
## 130      7.2      3.0      5.8      1.6 virginica
## 131      7.4      2.8      6.1      1.9 virginica
## 132      7.9      3.8      6.4      2.0 virginica
## 133      6.4      2.8      5.6      2.2 virginica
## 134      6.3      2.8      5.1      1.5 virginica
## 135      6.1      2.6      5.6      1.4 virginica
## 136      7.7      3.0      6.1      2.3 virginica
## 137      6.3      3.4      5.6      2.4 virginica
## 138      6.4      3.1      5.5      1.8 virginica
## 139      6.0      3.0      4.8      1.8 virginica
## 140      6.9      3.1      5.4      2.1 virginica
## 141      6.7      3.1      5.6      2.4 virginica
## 142      6.9      3.1      5.1      2.3 virginica
## 143      5.8      2.7      5.1      1.9 virginica
## 144      6.8      3.2      5.9      2.3 virginica
## 145      6.7      3.3      5.7      2.5 virginica
## 146      6.7      3.0      5.2      2.3 virginica
## 147      6.3      2.5      5.0      1.9 virginica
## 148      6.5      3.0      5.2      2.0 virginica
## 149      6.2      3.4      5.4      2.3 virginica
## 150      5.9      3.0      5.1      1.8 virginica
```

```
Xinput = iris
Xinput$Species = NULL
#testing data for setosa
nn_algorithm_predict(Xinput, iris$Species,c(5.1, 3.5, 1.4, 0.2))
```

```
## [1] setosa
## Levels: setosa versicolor virginica
#testing data for versicolor
nn_algorithm_predict(Xinput, iris$Species,c(5.8, 2.7, 4.1, 1.0))
```

```
## [1] versicolor
## Levels: setosa versicolor virginica
#testing data for virginica
nn_algorithm_predict(Xinput, iris$Species,c(6.5, 3.0, 5.2, 2.0))
```

```
## [1] virginica
## Levels: setosa versicolor virginica
```

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.

```
#' Nearest Neighbor Classifier
#'
#' Classify an observation based on the label of the closest observation in the set of training observa
#'
#' @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)
  }
  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.

#Extra Credit

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	

Describing this data This data is classifying Iris flowers into its three species based on sepal and petal size by measuring the length and width 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")
y
```

```
## [1] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
## [38] 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
## [75] 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
```

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

```
mode = function(v){
  names(sort(table(v), decreasing=TRUE)[1])
}
```

- 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)
num_errors_by_parameter = matrix(NA, nrow = n, ncol = 2)
colnames(num_errors_by_parameter) = c("threshold_param", "num_errors")

for (i in 1 : n){
  threshold = iris$Sepal.Length[i]
  num_errors = sum((iris$Sepal.Length > threshold) != y)
  num_errors_by_parameter[i, ] = c(threshold, num_errors)
}

#num_errors_by_parameter
#look at all thresholds in order
#num_errors_by_parameter[order(num_errors_by_parameter[, "num_errors"]), ]
#now grab the smallest num errors
best_row = order(num_errors_by_parameter[, "num_errors"])[1]
x_star = c(num_errors_by_parameter[best_row, "threshold_param"], use.names = FALSE)
x_star
```

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

What is the total number of errors this model makes?

```
sum(num_errors_by_parameter[,2])
```

```
## [1] 2796
```

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

```
threshold
```

```
## [1] 5.7
```

```
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
```

Yes, given the aforementioned summaries, the threshold model performed well since it produced a threshold of 5.4 which is the average of the two means in the chart (5.006+5.936).

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

```
g = function(x){
  if(x<=threshold){
    print("setosa")
  }
  else {
    print("versicolor")
  }
}
```

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
##
## This function finds the the optimal line to separate any set of linearly separable data
##
## @param Xinput      Training data of inputs in the form of an nxp matrix
## @param y_binary    Training data of outputs in terms of 0 and 1
## @param MAX_ITER    Amount of times the algorithm will run
## @param w           Initialize vector with p+1 dimensions
##
## @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))
  p = ncol(Xinput)
  w = rep(0, p)

  for (iter in 1 : MAX_ITER){
    for (i in 1 : nrow(Xinput)) {
      x_i = Xinput[i, ]
      yhat_i = ifelse(sum(x_i * w) > 0, 1, 0)
      y_i = y_binary[i]
      for(j in 1:p){
        w[j] = w[j] + (y_i - yhat_i) * x_i[j]
      }
    }
  }
  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  
)
```

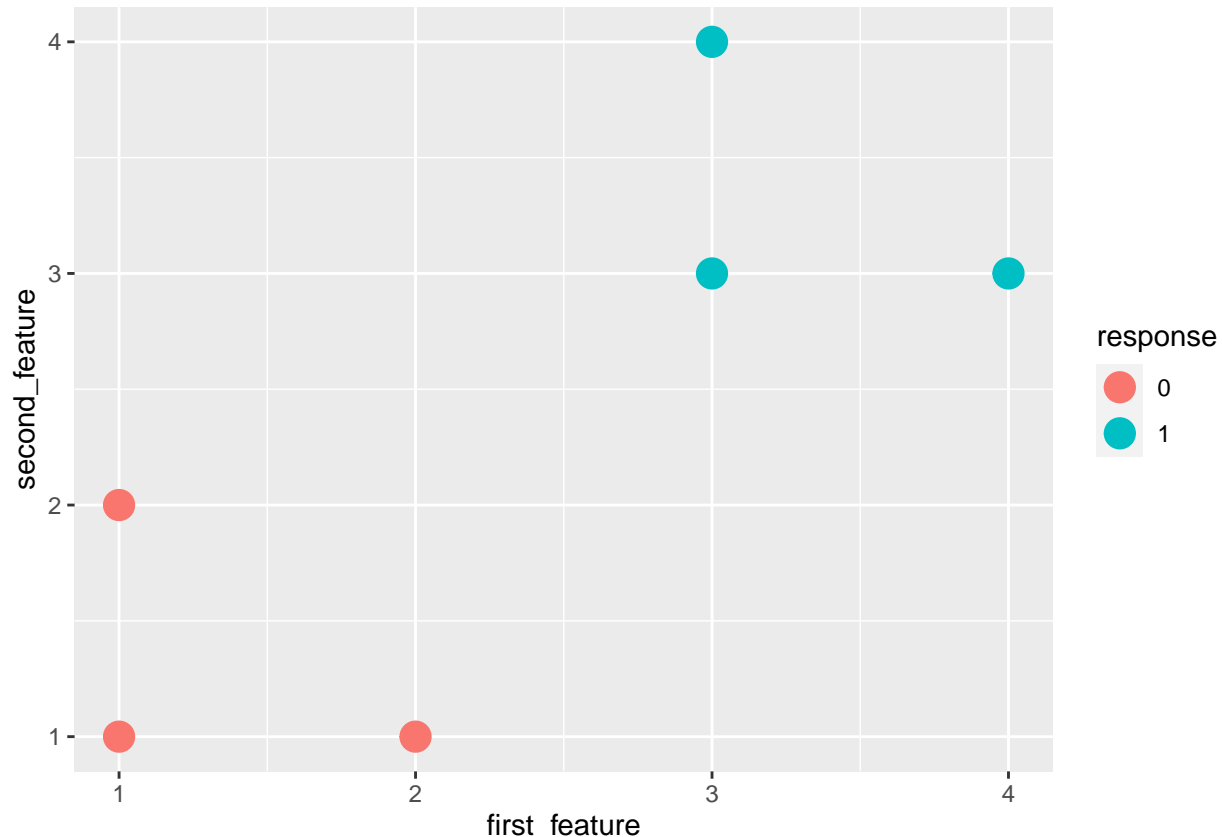
We haven't spoken about visualization yet, but it is important we do some of it now. Thus, I will write this code for you and you will just run it. First we load the visualization library we're going to use:

```
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
```



This is a graph of the data points where the coordinates are (first_feature, second_feature) and the response is represented by the two colors.

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))
```

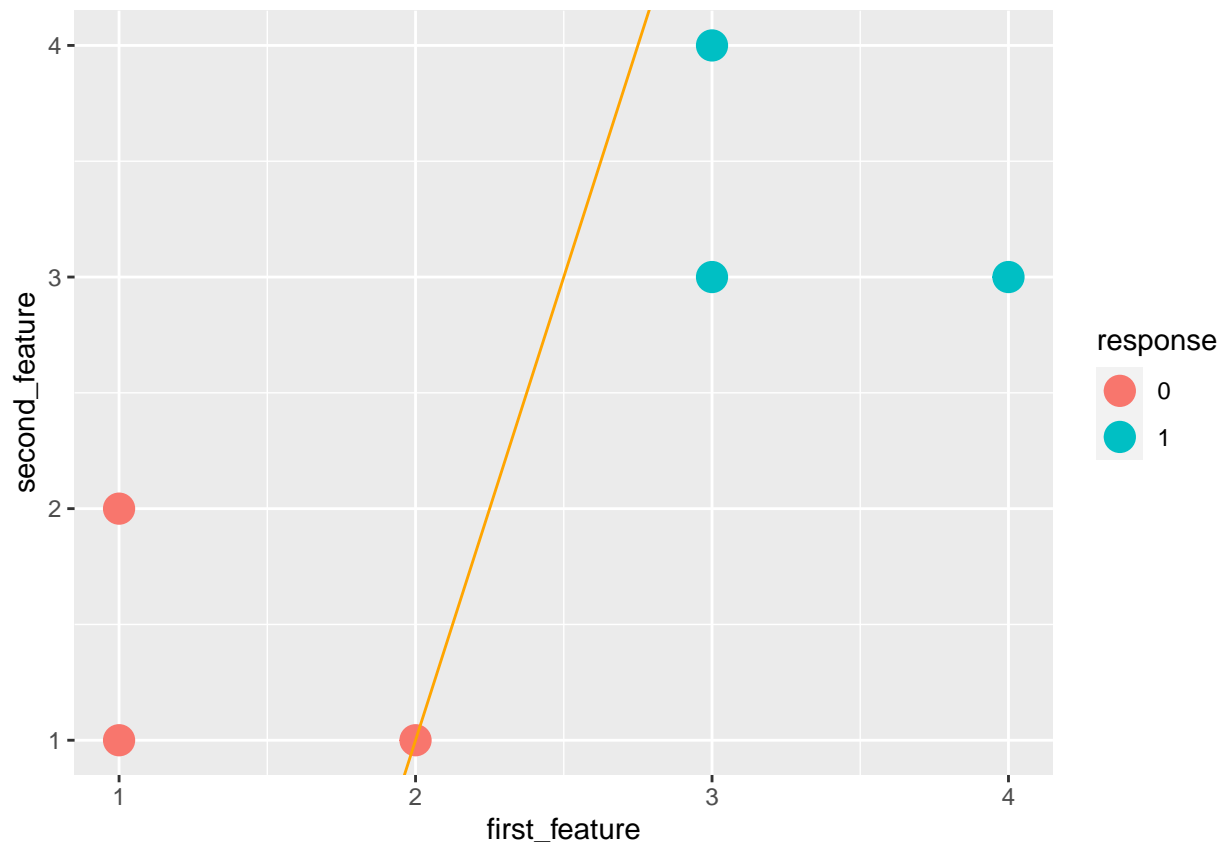
```
w_vec_simple_per
```

```
## [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 first number (-7) is the y-intercept, and the third (4) and forth (-1) numbers are the coefficients of x_1 and x_2 respectively. The slope of this line 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 of separation is not “satisfying” because it divides the data in an awkward way; you’d expect a line splitting the data evenly down the middle, not a weird line like the one above.

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.

```
#TO-DO
```