

# Lab 1

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You should have RStudio installed to edit this file. You will write code in places marked “TO-DO” to complete the problems. Most of this will be a pure programming assignment but there are some questions that instead ask you to “write a few sentences”. This is a W class! The tools for the solutions to these problems can be found in the class practice lectures. I prefer you to use the methods I taught you. If you google and find esoteric code you don’t understand, this doesn’t do you too much good.

To “hand in” the homework, you should first download this file. The best way to do this is by cloning the class repository then copying this file from the folder of that clone into the folder that is your personal class repository. Then do the assignment by filling in the TO-DO’s. After you’re done, compile this file into a PDF (use the “knit to PDF” button on the submenu above). This PDF will include output of your code. Then push the PDF and this Rmd file by the deadline to your github repository in a directory called “labs”.

## Basic R Skills

- Print out the numerical constant pi with ten digits after the decimal point using the internal constant pi.

```
options(digits=11)
x <- pi
x
```

```
## [1] 3.1415926536
```

- Sum up the first 103 terms of the series  $1 + 1/2 + 1/4 + 1/8 + \dots$

```
sum(1/(2^(0:102)))
```

```
## [1] 2
```

- Find the product of the first 37 terms in the sequence  $1/3, 1/6, 1/9 \dots$

```
prod(1/(3*(1:37)))
```

```
## [1] 1.613528728e-61
```

```
prod(1/seq(from=3, by=3, length.out=37))
```

```
## [1] 1.613528728e-61
```

- Find the product of the first 387 terms of  $1 * 1/2 * 1/4 * 1/8 * \dots$

```
prod(1/(2^(0:386)))
```

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

Is this answer *exactly* correct?

```
#TO-DO
```

- Figure out a means to express the answer more exactly. Not compute exactly, but express more exactly.

```
sum(log(1/(2^(0:386))))
```

```
## [1] -51771.856063
```

```
-log(2)*sum(0:386)
```

```
## [1] -51771.856063
```

- Create the sequence  $x = [\text{Inf}, 20, 18, \dots, -20]$ .

```
x <- c(Inf, seq(from=20, to=-20, by=-2))
x
```

```
## [1] Inf 20 18 16 14 12 10 8 6 4 2 0 -2 -4 -6 -8 -10 -12 -14
## [20] -16 -18 -20
```

Create the sequence  $x = [\log_3(\text{Inf}), \log_3(100), \log_3(98), \dots, \log_3(-20)]$ .

```
x <- c(Inf, seq(from=100, to=-20, by=-2))
x <- log(x, base=3)
```

```
## Warning: NaNs produced
```

```
log(100, 3)
```

```
## [1] 4.1918065486
```

Comment on the appropriateness of the non-numeric values.

NAN occurs because you cannot take the log of a negative number. -Inf occurs when you take the log of 0.

- Create a vector of booleans where the entry is true if  $x[i]$  is positive and finite.

```
y = !is.nan(x) & is.finite(x) & x > 0
y
```

```
## [1] FALSE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
## [13] TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
## [25] TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
## [37] TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE
## [49] TRUE TRUE TRUE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE
## [61] FALSE FALSE
```

- Locate the indices of the non-real numbers in this vector. Hint: use the `which` function. Don't hesitate to use the documentation via `?which`.

```
?which
which(!y)
```

```
## [1] 1 52 53 54 55 56 57 58 59 60 61 62
```

```
which(y == FALSE)
```

```
## [1] 1 52 53 54 55 56 57 58 59 60 61 62
```

- Locate the indices of the infinite quantities in this vector.

```
which(is.infinite(x))
```

```
## [1] 1 52
```

- Locate the indices of the min and max in this vector. Hint: use the `which.min` and `which.max` functions.

```
which.min(x)
```

```
## [1] 52
```

```
which.max(x)
```

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

- Count the number of unique values in `x`.

```
length(unique(x))
```

```
## [1] 53
```

- Cast `x` to a factor. Do the number of levels make sense?

```
as.factor(x)
```

```
## [1] Inf 4.19180654857877 4.1734172518943 4.15464876785729
## [5] 4.13548512895119 4.11590933734319 4.09590327428938 4.07544759935851
## [9] 4.05452163806914 4.03310325630434 4.01116871959141 3.98869253500376
## [13] 3.96564727304425 3.94200336638929 3.91772888178973 3.89278926071437
## [17] 3.86714702345081 3.84076143030548 3.81358809221559 3.78557852142874
## [21] 3.75667961082847 3.72683302786084 3.69597450568212 3.66403300987579
## [25] 3.63092975357146 3.59657702661571 3.56087679500731 3.52371901428583
## [29] 3.48497958377173 3.44451784578705 3.40217350273288 3.3577627814323
## [33] 3.31107361281783 3.26185950714291 3.20983167673402 3.15464876785729
## [37] 3.09590327428938 3.03310325630434 2.96564727304425 2.89278926071437
## [41] 2.8135880922156 2.72683302786084 2.63092975357146 2.52371901428583
## [45] 2.40217350273288 2.26185950714291 2.09590327428938 1.89278926071437
## [49] 1.63092975357146 1.26185950714291 0.630929753571457 -Inf
## [53] NaN NaN NaN NaN
## [57] NaN NaN NaN NaN
## [61] NaN NaN
## 53 Levels: -Inf 0.630929753571457 1.26185950714291 ... NaN
```

- Cast `x` to integers. What do we learn about R's infinity representation in the integer data type?

```
as.integer(x)
```

```
## Warning: NAs introduced by coercion to integer range
```

```
## [1] NA 4 4 4 4 4 4 4 4 4 4 3 3 3 3 3 3 3 3 3 3 3 3
## [26] 3 3 3 3 3 3 3 3 3 3 3 3 3 2 2 2 2 2 2 2 2 1 1 1
## [51] 0 NA NA NA NA NA NA NA NA NA NA NA NA
```

- Use `x` to create a new vector `y` containing only the real numbers in `x`.

```
y = x[!is.nan(x) & is.finite(x)]
y
```

```
## [1] 4.19180654858 4.17341725189 4.15464876786 4.13548512895 4.11590933734
## [6] 4.09590327429 4.07544759936 4.05452163807 4.03310325630 4.01116871959
## [11] 3.98869253500 3.96564727304 3.94200336639 3.91772888179 3.89278926071
## [16] 3.86714702345 3.84076143031 3.81358809222 3.78557852143 3.75667961083
## [21] 3.72683302786 3.69597450568 3.66403300988 3.63092975357 3.59657702662
## [26] 3.56087679501 3.52371901429 3.48497958377 3.44451784579 3.40217350273
## [31] 3.35776278143 3.31107361282 3.26185950714 3.20983167673 3.15464876786
## [36] 3.09590327429 3.03310325630 2.96564727304 2.89278926071 2.81358809222
## [41] 2.72683302786 2.63092975357 2.52371901429 2.40217350273 2.26185950714
## [46] 2.09590327429 1.89278926071 1.63092975357 1.26185950714 0.63092975357
```

- Use the left rectangle method to numerically integrate  $x^2$  from 0 to 1 with rectangle width size  $1e-6$ .

```
sum(seq(from=0, to=1-(1e-6), by=1e-6)^2)*1e-6
```

```
## [1] 0.33333283333
```

- Calculate the average of 100 realizations of standard Bernoullis in one line using the `sample` function.

```
sum(sample(c(0,1), size=100, replace=TRUE))/100
```

```
## [1] 0.43
```

- Calculate the average of 500 realizations of Bernoullis with  $p = 0.9$  in one line using the `sample` and `mean` functions.

```
sum(sample(c(0,1), size=500, replace=TRUE, prob=c(0.1, 0.9)))/500
```

```
## [1] 0.906
```

- Calculate the average of 1000 realizations of Bernoullis with  $p = 0.9$  in one line using `rbinom`.

```
?rbinom
rbinom(n=1000, size=1, p=0.9)
```

```
##      [1] 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 0
##     [38] 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 0 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 1 1 1 1 1 1 1
##    [112] 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
##    [149] 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1
##    [186] 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 0 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 0 1 1 1 1 1 1 0
##    [223] 1 1 1 0 1 1 1 1 0 1 1 0 1 1 1 1 1 0 0 1 1 1 0 1 1 1 1 1 1 1 0 1 1 1 0 1 1 1 1 1
##    [260] 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
##    [297] 1 1 1 0 1 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 0 1 1 1 1 1 1 1 1 0 1 1 1 0
##    [334] 0 1 1 1 1 0 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 0
##    [371] 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 0 1 1 1
##    [408] 1 1 0 1 0 1 1 1 1 1 1 1 0 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
##    [445] 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 0 1 1 1 1 1 0
##    [482] 1 0 1 1 1 1 1 1 1 1 1 1 1 1 0 1 0 1 0 1 1 1 1 1 0 1 1 1 0 1 1 1 1 1 1 0 1 1 1
##    [519] 1 1 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1
##    [556] 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1
##    [593] 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 0 0 1 1
##    [630] 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 0 1 0 0 1 1 0 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1
##    [667] 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 0 1 1 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1
##    [704] 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 0 1 1 1 0 0 1 1 1 1 1 1
##    [741] 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1
##    [778] 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
##    [815] 1 1 1 1 0 1 1 1 1 1 1 0 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 0 1 1 1 1
##    [852] 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1
##    [889] 1 1 1 1 1 1 1 1 1 0 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
##    [926] 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
##    [963] 1 1 1 1 1 1 1 1 1 1 1 0 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
##   [1000] 0
```

- In class we considered a variable `x_3` which measured “criminality”. We imagined  $L = 4$  levels “none”, “infraction”, “misdemeanor” and “felony”. Create a variable `x_3` here with 100 random elements (equally probable). Create it as a nominal (i.e. unordered) factor.

```
x_3 = as.factor(sample(c("none", "infraction", "misdemeanor", "felony"), size=100, replace=TRUE))
x_3
```

```
## [1] felony none infraction infraction felony felony
## [7] misdemeanor misdemeanor none infraction none felony
## [13] misdemeanor felony infraction infraction felony none
## [19] felony misdemeanor misdemeanor none infraction infraction
## [25] felony infraction infraction none infraction felony
## [31] misdemeanor misdemeanor felony infraction none infraction
## [37] misdemeanor infraction none infraction felony none
## [43] none misdemeanor felony infraction felony felony
## [49] infraction felony misdemeanor none misdemeanor misdemeanor
## [55] infraction felony none infraction felony infraction
## [61] felony none none infraction felony misdemeanor
## [67] misdemeanor felony infraction none misdemeanor none
## [73] none felony infraction misdemeanor felony felony
## [79] none none none infraction felony felony
## [85] none infraction misdemeanor infraction infraction misdemeanor
## [91] infraction none felony misdemeanor felony none
## [97] misdemeanor infraction felony infraction
## Levels: felony infraction misdemeanor none
```

- Use `x_3` to create `x_3_bin`, a binary feature where 0 is no crime and 1 is any crime.

```
x_3_bin = x_3 != "none"
x_3_bin
```

```
## [1] TRUE FALSE TRUE TRUE TRUE TRUE TRUE TRUE FALSE TRUE FALSE TRUE
## [13] TRUE TRUE TRUE TRUE TRUE FALSE TRUE TRUE TRUE FALSE TRUE TRUE
## [25] TRUE TRUE TRUE FALSE TRUE TRUE TRUE TRUE TRUE TRUE TRUE FALSE TRUE
## [37] TRUE TRUE FALSE TRUE TRUE FALSE FALSE TRUE TRUE TRUE TRUE TRUE
## [49] TRUE TRUE TRUE FALSE TRUE TRUE TRUE TRUE TRUE FALSE TRUE TRUE TRUE
## [61] TRUE FALSE FALSE TRUE TRUE TRUE TRUE TRUE TRUE TRUE FALSE TRUE FALSE
## [73] FALSE TRUE TRUE TRUE TRUE TRUE FALSE FALSE FALSE TRUE TRUE TRUE
## [85] FALSE TRUE TRUE TRUE TRUE TRUE TRUE FALSE TRUE TRUE TRUE FALSE
## [97] TRUE TRUE TRUE TRUE
```

- Use `x_3` to create `x_3_ord`, an ordered factor variable. Ensure the proper ordinal ordering.

```
x_3_ord = factor(x_3, levels = c("none", "infraction", "misdemeanor", "felony"), order=TRUE)
x_3_ord
```

```
## [1] felony none infraction infraction felony felony
## [7] misdemeanor misdemeanor none infraction none felony
## [13] misdemeanor felony infraction infraction felony none
## [19] felony misdemeanor misdemeanor none infraction infraction
## [25] felony infraction infraction none infraction felony
## [31] misdemeanor misdemeanor felony infraction none infraction
## [37] misdemeanor infraction none infraction felony none
## [43] none misdemeanor felony infraction felony felony
## [49] infraction felony misdemeanor none misdemeanor misdemeanor
```

```
## [55] infraction felony none infraction felony infraction
## [61] felony none none infraction felony misdemeanor
## [67] misdemeanor felony infraction none misdemeanor none
## [73] none felony infraction misdemeanor felony felony
## [79] none none none infraction felony felony
## [85] none infraction misdemeanor infraction infraction misdemeanor
## [91] infraction none felony misdemeanor felony none
## [97] misdemeanor infraction felony infraction
## Levels: none < infraction < misdemeanor < felony
```

- Convert this variable into three binary variables without any information loss and put them into a data matrix.

```
x_3_matrix = matrix(nrow=100, ncol=3)
currentRow = 1
for(i in x_3_ord){

  if(i == "none"){

    x_3_matrix[currentRow,]<-c(0,0,0)
    currentRow = currentRow + 1

  } else if (i == "infraction"){
    x_3_matrix[currentRow, ] <- c(1,0,0)

    currentRow = currentRow + 1
  } else if (i == "misdemeanor"){
    x_3_matrix[currentRow, ] <- c(0,1,0)
    currentRow = currentRow + 1
  } else if (i == "felony"){
    x_3_matrix[currentRow, ] <- c(0,0,1)

    currentRow = currentRow + 1
  }
}
x_3_matrix
```

```
##      [,1] [,2] [,3]
## [1,]  0   0   1
## [2,]  0   0   0
## [3,]  1   0   0
## [4,]  1   0   0
## [5,]  0   0   1
## [6,]  0   0   1
## [7,]  0   1   0
## [8,]  0   1   0
## [9,]  0   0   0
## [10,] 1   0   0
## [11,] 0   0   0
## [12,] 0   0   1
## [13,] 0   1   0
## [14,] 0   0   1
## [15,] 1   0   0
```

##	[16,]	1	0	0
##	[17,]	0	0	1
##	[18,]	0	0	0
##	[19,]	0	0	1
##	[20,]	0	1	0
##	[21,]	0	1	0
##	[22,]	0	0	0
##	[23,]	1	0	0
##	[24,]	1	0	0
##	[25,]	0	0	1
##	[26,]	1	0	0
##	[27,]	1	0	0
##	[28,]	0	0	0
##	[29,]	1	0	0
##	[30,]	0	0	1
##	[31,]	0	1	0
##	[32,]	0	1	0
##	[33,]	0	0	1
##	[34,]	1	0	0
##	[35,]	0	0	0
##	[36,]	1	0	0
##	[37,]	0	1	0
##	[38,]	1	0	0
##	[39,]	0	0	0
##	[40,]	1	0	0
##	[41,]	0	0	1
##	[42,]	0	0	0
##	[43,]	0	0	0
##	[44,]	0	1	0
##	[45,]	0	0	1
##	[46,]	1	0	0
##	[47,]	0	0	1
##	[48,]	0	0	1
##	[49,]	1	0	0
##	[50,]	0	0	1
##	[51,]	0	1	0
##	[52,]	0	0	0
##	[53,]	0	1	0
##	[54,]	0	1	0
##	[55,]	1	0	0
##	[56,]	0	0	1
##	[57,]	0	0	0
##	[58,]	1	0	0
##	[59,]	0	0	1
##	[60,]	1	0	0
##	[61,]	0	0	1
##	[62,]	0	0	0
##	[63,]	0	0	0
##	[64,]	1	0	0
##	[65,]	0	0	1
##	[66,]	0	1	0
##	[67,]	0	1	0
##	[68,]	0	0	1
##	[69,]	1	0	0



```
## [70,] 0 0 0
## [71,] 0 1 0
## [72,] 0 0 0
## [73,] 0 0 0
## [74,] 0 0 1
## [75,] 1 0 0
## [76,] 0 1 0
## [77,] 0 0 1
## [78,] 0 0 1
## [79,] 0 0 0
## [80,] 0 0 0
## [81,] 0 0 0
## [82,] 1 0 0
## [83,] 0 0 1
## [84,] 0 0 1
## [85,] 0 0 0
## [86,] 1 0 0
## [87,] 0 1 0
## [88,] 1 0 0
## [89,] 1 0 0
## [90,] 0 1 0
## [91,] 1 0 0
## [92,] 0 0 0
## [93,] 0 0 1
## [94,] 0 1 0
## [95,] 0 0 1
## [96,] 0 0 0
## [97,] 0 1 0
## [98,] 1 0 0
## [99,] 0 0 1
## [100,] 1 0 0
```

- What should the sum of each row be (in English)?

if the sum of a row = 1 then that person has some sort of criminal record

Verify that.

```
rowSums(x_3_matrix)
```

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

- How should the column sum look (in English)?

The total sum of people that have a criminal record of some sort

Verify that.

```
number_of_people_with_records = sum(rowSums(x_3_matrix))
print(paste("The Number of people with records is:", number_of_people_with_records))
```

```
## [1] "The Number of people with records is: 77"
```

- Generate a matrix with 100 rows where the first column is realization from a normal with mean 17 and variance 38, the second column is uniform between -10 and 10, the third column is poisson with mean 6, the fourth column in exponential with lambda of 9, the fifth column is binomial with  $n = 20$  and  $p = 0.12$  and the sixth column is a binary variable with exactly 24% 1's dispersed randomly. Name the rows the entries of the `fake_first_names` vector.

```
fake_first_names = c(
  "Sophia", "Emma", "Olivia", "Ava", "Mia", "Isabella", "Riley",
  "Aria", "Zoe", "Charlotte", "Lily", "Layla", "Amelia", "Emily",
  "Madelyn", "Aubrey", "Adalyn", "Madison", "Chloe", "Harper",
  "Abigail", "Aaliyah", "Avery", "Evelyn", "Kaylee", "Ella", "Ellie",
  "Scarlett", "Arianna", "Hailey", "Nora", "Addison", "Brooklyn",
  "Hannah", "Mila", "Leah", "Elizabeth", "Sarah", "Eliana", "Mackenzie",
  "Peyton", "Maria", "Grace", "Adeline", "Elena", "Anna", "Victoria",
  "Camilla", "Lillian", "Natalie", "Jackson", "Aiden", "Lucas",
  "Liam", "Noah", "Ethan", "Mason", "Caden", "Oliver", "Elijah",
  "Grayson", "Jacob", "Michael", "Benjamin", "Carter", "James",
  "Jayden", "Logan", "Alexander", "Caleb", "Ryan", "Luke", "Daniel",
  "Jack", "William", "Owen", "Gabriel", "Matthew", "Connor", "Jayce",
  "Isaac", "Sebastian", "Henry", "Muhammad", "Cameron", "Wyatt",
  "Dylan", "Nathan", "Nicholas", "Julian", "Eli", "Levi", "Isaiah",
  "Landon", "David", "Christian", "Andrew", "Brayden", "John",
  "Lincoln"
)

fifth_column_binomial = rbinom(n=20,size=length(fake_first_names), p=0.12 )
sixth_column_binary = sample(
  c(0,1),
  size=length(fake_first_names),
  replace = TRUE,
  prob=c(.76,.24)
)

fake_first_names_matrix = matrix(nrow=length(fake_first_names), ncol=6, dimnames = list(fake_first_names,
for (r in 1:nrow(fake_first_names_matrix)){
  fake_first_names_matrix[r,1] = rnorm(1, mean=17, sd= 38)
  fake_first_names_matrix[r,2] = runif(1, min=-10, max=10)
  fake_first_names_matrix[r,3] = rpois(1, 6)
  fake_first_names_matrix[r,4] = rexp(1, 9)
  fake_first_names_matrix[r,5] = sample(fifth_column_binomial, 1)
  fake_first_names_matrix[r,6] = sixth_column_binary[r]
}
fake_first_names_matrix
```

##		[,1]	[,2]	[,3]	[,4]	[,5]	[,6]
##	Sophia	115.992298087029	0.51205344964	2	0.03062282766526	5	0
##	Emma	62.917878279978	-8.25481103268	8	0.12511360158470	13	0
##	Olivia	31.598647338800	0.46674047597	5	0.22780304815101	13	1
##	Ava	14.244497114739	9.48388210963	4	0.14802688701232	17	0

## Mia	-5.675272072245	-9.51431637164	7	0.01099244727650	13	0
## Isabella	-17.020163815256	7.78661231045	8	0.42682279706151	13	1
## Riley	-12.628263246784	-4.33262784034	7	0.02192973905594	13	1
## Aria	59.729945424841	3.46886718646	3	0.03931762924832	17	0
## Zoe	-9.462263798683	-8.54076465592	2	0.38081928423498	14	0
## Charlotte	-75.580264340080	5.47814750578	11	0.16587405756109	11	1
## Lily	3.288386702908	7.06162291579	6	0.01763918019095	13	0
## Layla	-41.117292506852	7.64202559367	10	0.10666314625853	13	0
## Amelia	-49.519758317864	7.09898794536	4	0.06281881779432	12	0
## Emily	-8.023014548859	6.21162026189	13	0.06318429371135	7	0
## Madelyn	-13.066350605042	7.28341722861	10	0.18391353573958	13	1
## Aubrey	-32.701231760276	1.82615268975	7	0.04868164151493	7	0
## Adalyn	23.426083719234	6.86645654961	3	0.17864858251357	13	1
## Madison	24.089959893098	-3.44095652457	10	0.00984585652542	12	1
## Chloe	35.215324849148	7.20007245895	1	0.14681315897601	9	0
## Harper	83.001173053404	-0.80077136401	3	0.01978860997284	7	0
## Abigail	67.417462792014	-2.28563941550	2	0.00227277211810	14	1
## Aaliyah	72.323346639983	4.48132771067	7	0.04198267067679	11	0
## Avery	127.699699098998	9.93025126401	10	0.00441715373391	9	1
## Evelyn	-40.474380132003	-3.68934234139	9	0.08288721760475	16	0
## Kaylee	34.362797836568	-8.65413029678	4	0.11517101349877	11	0
## Ella	16.282430119688	3.16293277778	8	0.27139456755013	7	0
## Ellie	0.365741663952	-4.21767105814	4	0.04032870138892	9	0
## Scarlett	26.605390195223	0.65398622770	4	0.15166784222288	13	0
## Arianna	50.160801004065	-6.33098028600	12	0.03809043586572	13	0
## Hailey	5.560272607583	-9.41029774025	6	0.00178374324201	7	0
## Nora	54.373493432799	-4.61055159569	5	0.06871954982893	13	1
## Addison	52.517283238278	1.91065091640	4	0.02201486875759	13	0
## Brooklyn	-76.922003574121	-3.64871242084	3	0.03275966535633	16	1
## Hannah	-29.263145289804	7.69668662455	6	0.01470226926734	13	1
## Mila	27.431124472923	2.25941858720	6	0.04279427949546	9	0
## Leah	40.370196443919	6.61505995784	9	0.02249965707664	11	1
## Elizabeth	9.066897859864	-9.05021036044	6	0.30233604976956	9	1
## Sarah	0.028734703165	1.64552000817	3	0.04377440518389	16	0
## Eliana	-36.867010290033	-8.10224242508	7	0.00289747045009	17	1
## Mackenzie	34.933008793124	0.81470523495	7	0.12578694190777	13	0
## Peyton	7.480348222970	-2.54297262058	7	0.13836741653943	13	0
## Maria	42.124808062314	7.00196336024	7	0.02153320755396	14	0
## Grace	-18.014258146031	1.46204946097	6	0.21298251424293	5	0
## Adeline	-5.778092429736	-1.83521894738	2	0.07982282430555	13	0
## Elena	53.458223605962	4.09529769793	4	0.07591926182310	13	0
## Anna	84.597057739186	8.36472343653	5	0.04172053374350	13	0
## Victoria	-5.099908783206	-9.75842519198	5	0.05502081531604	11	0
## Camilla	59.893168158553	0.42582797352	3	0.07816158949895	11	0
## Lillian	48.135936520929	-0.91267095879	5	0.10694501683063	14	0
## Natalie	-37.180015834675	6.89684951212	7	0.11361624351753	13	0
## Jackson	43.019472312319	-1.86706973705	7	0.24177654851897	13	0
## Aiden	-1.462991597794	-1.33839751594	4	0.03100947295833	11	1
## Lucas	-18.016648321056	-3.80260074977	3	0.06553367882346	17	0
## Liam	9.634082068642	-8.84852061514	6	0.25565899596701	16	0
## Noah	-86.245655272293	-2.21042129677	7	0.01329088187859	16	0
## Ethan	-10.106595078774	6.79901928175	4	0.02680706388007	8	0
## Mason	39.194452758611	5.14849077910	9	0.02101091797360	11	1
## Caden	0.436756005564	-4.97547860723	3	0.02184123976007	11	0

## Oliver	9.790045576430	-9.43636783399	3	0.19109317473134	13	0
## Elijah	20.111405852978	7.21286776941	11	0.10840236281302	11	0
## Grayson	23.249018572985	9.59033054300	7	0.06392925152570	9	0
## Jacob	-38.938499087287	-4.59640087560	6	0.10108047775044	5	1
## Michael	27.679477114045	-0.37710236385	2	0.01575752694367	14	0
## Benjamin	50.026481564980	-6.90554940607	7	0.13210892252571	16	0
## Carter	30.312474515788	8.27627045568	5	0.07838772658390	9	1
## James	-33.953415170646	2.35551761463	7	0.08042407319393	14	0
## Jayden	75.125619097962	-4.11730353255	5	0.09964135205941	9	0
## Logan	-58.431079901166	2.14335331228	2	0.17036835372342	7	1
## Alexander	68.465280052776	-3.37468901649	8	0.13864733692206	14	1
## Caleb	49.237625367865	5.87917114142	3	0.17981881481800	12	0
## Ryan	-25.380219786455	-9.63925735094	5	0.49181211530017	8	0
## Luke	9.806516850556	5.16349767800	2	0.20742848183440	13	0
## Daniel	75.213778041370	8.03604936693	5	0.00094052440383	16	0
## Jack	6.787660828269	-8.24088513851	7	0.12248732563055	13	0
## William	-35.107674133352	4.80901964940	6	0.08448331364365	16	0
## Owen	36.052156520675	-6.96167182177	7	0.11553887101458	11	0
## Gabriel	23.567758730010	9.17952363845	8	0.01675016065646	9	1
## Matthew	79.370103808028	-9.72369134892	10	0.06495618178613	17	0
## Connor	15.532207737279	-3.30791567918	8	0.01824798238360	13	1
## Jayce	-39.109283579293	-2.93070225045	6	0.05428785680906	8	0
## Isaac	22.485741715043	6.69915345032	7	0.00512418683825	16	0
## Sebastian	8.315328459937	8.58196828980	8	0.04668083135039	13	0
## Henry	68.383572823781	-7.03175770584	9	0.17291697769080	8	0
## Muhammad	38.418561708877	0.28371376917	6	0.11553564323428	13	0
## Cameron	19.335550601654	-9.89328772761	3	0.06041041032101	12	0
## Wyatt	18.895525550796	0.33170365263	9	0.04889131006267	13	1
## Dylan	26.196003511794	1.83852071874	9	0.17606539981955	17	1
## Nathan	54.132300247695	7.21913728397	9	0.11762059179392	13	0
## Nicholas	19.686418793667	3.85841715615	3	0.07106009534457	5	0
## Julian	46.802644028561	8.00363184884	5	0.03341675640387	13	0
## Eli	47.183033303857	-9.95083818212	6	0.05163845207642	8	0
## Levi	55.955707435868	-1.05991969816	6	0.07478068236055	14	0
## Isaiah	-33.319809865963	-4.37342343852	6	0.24878017499470	14	0
## Landon	-30.165712356238	0.19744952675	3	0.00521667275488	16	0
## David	6.241765356992	-9.03817035258	5	0.00536078437128	11	1
## Christian	14.327027961548	1.10897345468	8	0.00251668501761	11	1
## Andrew	78.705155037628	5.50271395594	6	0.04907419242793	7	1
## Brayden	-14.263010537204	2.24471405614	7	0.18506385487629	14	0
## John	37.767034680083	-0.82082320470	6	0.20880359451698	11	0
## Lincoln	25.683627930607	1.83719109278	8	0.10747865752575	17	1

```
sum(sixth_column_binary)
```

```
## [1] 29
```

- Create a data frame of the same data as above except make the binary variable a factor “DOMESTIC” vs “FOREIGN” for 0 and 1 respectively. Use RStudio’s View function to ensure this worked as desired.

```
dataF = data.frame(fake_first_names_matrix)
```

- Print out a table of the binary variable. Then print out the proportions of “DOMESTIC” vs “FOREIGN”.

```
sum(dataF$X6 == 0)
```

```
## [1] 71
```

```
sum(dataF$X6 == 1)
```

```
## [1] 29
```

```
percent_domestic = sum(dataF$X6 == 0)/ length(dataF$X6)
percent_foreign = sum(dataF$X6 == 1)/ length(dataF$X6)
```

Print out a summary of the whole dataframe.

*#T0-D0*

- Let  $n = 50$ . Create a  $n \times n$  matrix  $R$  of exactly 50% entries 0's, 25% 1's 25% 2's. These values should be in random locations.

```
sample(
  c(0,1,2),
  size=10,
  replace = TRUE,
  prob=c(.50,.25,.25)
)
```

```
## [1] 0 0 0 0 1 0 2 2 0 2
```

```
n=50
result = rep(c(0,1,2), round((n*n)*c(.50,.25,.25)))
R = matrix(data=sample(result), nrow = n, ncol = n)
```

- Randomly punch holes (i.e. NA) values in this matrix so that an each entry is missing with probability 30%.

```
holes = rep(c(0,1), round((n*n)*c(0.7,0.3)))
holes_matrix = matrix(data=sample(holes), nrow=n, ncol=n)

for (r in 1:nrow(R)){
  for (c in 1:ncol(R)){
    if(holes_matrix[r,c] == 1){
      R[r,c] = NA
    }
  }
}
```

- Sort the rows in matrix  $R$  by the largest row sum to lowest. Be careful about the NA's!

```
test <- R[order(rowSums(R, na.rm = TRUE), decreasing = TRUE)]
new_matrix = matrix(data=NA,ncol=n, nrow=n)

Rsums = rowSums(R, na.rm = TRUE)
for(i in 1:nrow(R)){
  new_matrix[i,] <- R[which.min(Rsums),]
  Rsums[which.min(Rsums)] = NA
}

rowSums(new_matrix, na.rm = TRUE)
```

```
## [1] 15 16 18 19 19 20 20 21 21 21 22 22 23 23 23 23 24 24 24 24 25 25 25 25 25
## [26] 25 25 26 26 28 28 28 28 29 29 29 30 30 30 31 31 32 33 33 34 35 35 36 38 41
```

- We will now learn the `apply` function. This is a handy function that saves writing for loops which should be eschewed in R. Use the `apply` function to compute a vector whose entries are the standard deviation of each row. Use the `apply` function to compute a vector whose entries are the standard deviation of each column. Be careful about the NA's! This should be one line.

```
data <- data.frame(A1=round(rnorm(25,5,4)),A2=round(rnorm(25,5,4)),A3=round(rnorm(25,5,4)),
A4=round(rnorm(25,5,4)),A5=round(rnorm(25,5,4)),A6=round(rnorm(25,5,4)))

data_deviation = apply(data[,1:6],2,sd)

data_deviation
```

```
##           A1           A2           A3           A4           A5           A6
## 4.9284886121 3.8375339304 3.6855573979 3.9475730941 4.2221637423 3.6959437225
```

- Use the `apply` function to compute a vector whose entries are the count of entries that are 1 or 2 in each column. This should be one line.

```
data_count_entries = apply(data[,1:6],2,function(n){length(which(n==1)) + length(which(n==2))})
data
```

```
##      A1 A2 A3 A4 A5 A6
## 1    1  8  7 10  9  7
## 2   -3  8  4  9  5 11
## 3    4 -1  5 -2 -2  2
## 4    1  6  5  0  4  1
## 5    4  2  6  5  0  9
## 6   14  5  8  3 -1  6
## 7    4  6  6  9 13 -1
## 8    8  3  9 11  6 -3
## 9    1  1  4  9  5  5
## 10  -2  9  2  5  2 10
## 11   9  4  5 -3  6  4
## 12   3  4  2  6  5  5
## 13   4  1  3  3  5  7
## 14  15 12  2 -3  1  5
## 15   5  5  3  1 10  3
```

```
## 16 -3 -1 -4 6 11 1
## 17 3 0 1 5 4 11
## 18 11 5 4 8 0 5
## 19 5 3 4 7 6 9
## 20 0 5 6 4 3 3
## 21 7 14 9 6 13 0
## 22 8 1 12 6 11 7
## 23 0 0 2 4 4 6
## 24 -3 6 5 9 6 6
## 25 5 2 -5 7 1 8
```

- Use the `split` function to create a list whose keys are the column number and values are the vector of the columns. Look at the last example in the documentation `?split`.

```
data_split = split(data, rep(1:nrow(data)))
```

- In one statement, use the `lapply` function to create a list whose keys are the column number and values are themselves a list with keys: “min” whose value is the minimum of the column, “max” whose value is the maximum of the column, “pct\_missing” is the proportion of missingness in the column and “first\_NA” whose value is the row number of the first time the NA appears.

```
lapply(row(new_matrix),function(x){
  c(
    min = min(x),
    max = max(x),
    pct_missing = (is.na(x)/length(x)) * 100,
    first_NA = match(NA, x)
  )
})
```

```
## [[1]]
##      min      max pct_missing first_NA
##      1      1      0         NA
##
## [[2]]
##      min      max pct_missing first_NA
##      2      2      0         NA
##
## [[3]]
##      min      max pct_missing first_NA
##      3      3      0         NA
##
## [[4]]
##      min      max pct_missing first_NA
##      4      4      0         NA
##
## [[5]]
##      min      max pct_missing first_NA
##      5      5      0         NA
##
## [[6]]
##      min      max pct_missing first_NA
```

##	6	6	0	NA
##				
## [[7]]				
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
## [[8]]				
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
## [[9]]				
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
## [[10]]				
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
## [[11]]				
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
## [[12]]				
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
## [[13]]				
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
## [[14]]				
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
## [[15]]				
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
## [[16]]				
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
## [[17]]				
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
## [[18]]				
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
## [[19]]				
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				



```

## [[20]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[21]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[22]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[23]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[24]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[25]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[26]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[27]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[28]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[29]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[30]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[31]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[32]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[33]]
##      min      max pct_missing first_NA

```

##	33	33	0	NA
##				
##	[[34]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[35]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[36]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[37]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[38]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[39]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[40]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[41]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[42]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[43]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[44]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[45]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[46]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				

```

## [[47]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[48]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[49]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[50]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[51]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[52]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[53]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[54]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[55]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[56]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[57]]
##      min      max pct_missing first_NA
##      7       7          0         NA
##
## [[58]]
##      min      max pct_missing first_NA
##      8       8          0         NA
##
## [[59]]
##      min      max pct_missing first_NA
##      9       9          0         NA
##
## [[60]]
##      min      max pct_missing first_NA

```

```

##          10          10          0          NA
##
## [[61]]
##          min          max pct_missing  first_NA
##          11          11          0          NA
##
## [[62]]
##          min          max pct_missing  first_NA
##          12          12          0          NA
##
## [[63]]
##          min          max pct_missing  first_NA
##          13          13          0          NA
##
## [[64]]
##          min          max pct_missing  first_NA
##          14          14          0          NA
##
## [[65]]
##          min          max pct_missing  first_NA
##          15          15          0          NA
##
## [[66]]
##          min          max pct_missing  first_NA
##          16          16          0          NA
##
## [[67]]
##          min          max pct_missing  first_NA
##          17          17          0          NA
##
## [[68]]
##          min          max pct_missing  first_NA
##          18          18          0          NA
##
## [[69]]
##          min          max pct_missing  first_NA
##          19          19          0          NA
##
## [[70]]
##          min          max pct_missing  first_NA
##          20          20          0          NA
##
## [[71]]
##          min          max pct_missing  first_NA
##          21          21          0          NA
##
## [[72]]
##          min          max pct_missing  first_NA
##          22          22          0          NA
##
## [[73]]
##          min          max pct_missing  first_NA
##          23          23          0          NA
##

```

```

## [[74]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[75]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[76]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[77]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[78]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[79]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[80]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[81]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[82]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[83]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[84]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[85]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[86]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[87]]
##      min      max pct_missing first_NA

```

##	37	37	0	NA
##				
##	[[88]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[89]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[90]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[91]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[92]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[93]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[94]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[95]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[96]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[97]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[98]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[99]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[100]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				

```

## [[101]]
##      min      max pct_missing first_NA
##      1        1          0         NA
##
## [[102]]
##      min      max pct_missing first_NA
##      2        2          0         NA
##
## [[103]]
##      min      max pct_missing first_NA
##      3        3          0         NA
##
## [[104]]
##      min      max pct_missing first_NA
##      4        4          0         NA
##
## [[105]]
##      min      max pct_missing first_NA
##      5        5          0         NA
##
## [[106]]
##      min      max pct_missing first_NA
##      6        6          0         NA
##
## [[107]]
##      min      max pct_missing first_NA
##      7        7          0         NA
##
## [[108]]
##      min      max pct_missing first_NA
##      8        8          0         NA
##
## [[109]]
##      min      max pct_missing first_NA
##      9        9          0         NA
##
## [[110]]
##      min      max pct_missing first_NA
##     10       10          0         NA
##
## [[111]]
##      min      max pct_missing first_NA
##     11       11          0         NA
##
## [[112]]
##      min      max pct_missing first_NA
##     12       12          0         NA
##
## [[113]]
##      min      max pct_missing first_NA
##     13       13          0         NA
##
## [[114]]
##      min      max pct_missing first_NA

```

```

##          14          14          0          NA
##
## [[115]]
##          min          max pct_missing  first_NA
##          15          15          0          NA
##
## [[116]]
##          min          max pct_missing  first_NA
##          16          16          0          NA
##
## [[117]]
##          min          max pct_missing  first_NA
##          17          17          0          NA
##
## [[118]]
##          min          max pct_missing  first_NA
##          18          18          0          NA
##
## [[119]]
##          min          max pct_missing  first_NA
##          19          19          0          NA
##
## [[120]]
##          min          max pct_missing  first_NA
##          20          20          0          NA
##
## [[121]]
##          min          max pct_missing  first_NA
##          21          21          0          NA
##
## [[122]]
##          min          max pct_missing  first_NA
##          22          22          0          NA
##
## [[123]]
##          min          max pct_missing  first_NA
##          23          23          0          NA
##
## [[124]]
##          min          max pct_missing  first_NA
##          24          24          0          NA
##
## [[125]]
##          min          max pct_missing  first_NA
##          25          25          0          NA
##
## [[126]]
##          min          max pct_missing  first_NA
##          26          26          0          NA
##
## [[127]]
##          min          max pct_missing  first_NA
##          27          27          0          NA
##

```



```

## [[128]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[129]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[130]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[131]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[132]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[133]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[134]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[135]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[136]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[137]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[138]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[139]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[140]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[141]]
##      min      max pct_missing first_NA

```

```

##          41          41          0          NA
##
## [[142]]
##          min          max pct_missing  first_NA
##          42          42          0          NA
##
## [[143]]
##          min          max pct_missing  first_NA
##          43          43          0          NA
##
## [[144]]
##          min          max pct_missing  first_NA
##          44          44          0          NA
##
## [[145]]
##          min          max pct_missing  first_NA
##          45          45          0          NA
##
## [[146]]
##          min          max pct_missing  first_NA
##          46          46          0          NA
##
## [[147]]
##          min          max pct_missing  first_NA
##          47          47          0          NA
##
## [[148]]
##          min          max pct_missing  first_NA
##          48          48          0          NA
##
## [[149]]
##          min          max pct_missing  first_NA
##          49          49          0          NA
##
## [[150]]
##          min          max pct_missing  first_NA
##          50          50          0          NA
##
## [[151]]
##          min          max pct_missing  first_NA
##          1           1           0          NA
##
## [[152]]
##          min          max pct_missing  first_NA
##          2           2           0          NA
##
## [[153]]
##          min          max pct_missing  first_NA
##          3           3           0          NA
##
## [[154]]
##          min          max pct_missing  first_NA
##          4           4           0          NA
##

```

```

## [[155]]
##      min      max pct_missing first_NA
##      5        5          0         NA
##
## [[156]]
##      min      max pct_missing first_NA
##      6        6          0         NA
##
## [[157]]
##      min      max pct_missing first_NA
##      7        7          0         NA
##
## [[158]]
##      min      max pct_missing first_NA
##      8        8          0         NA
##
## [[159]]
##      min      max pct_missing first_NA
##      9        9          0         NA
##
## [[160]]
##      min      max pct_missing first_NA
##     10       10          0         NA
##
## [[161]]
##      min      max pct_missing first_NA
##     11       11          0         NA
##
## [[162]]
##      min      max pct_missing first_NA
##     12       12          0         NA
##
## [[163]]
##      min      max pct_missing first_NA
##     13       13          0         NA
##
## [[164]]
##      min      max pct_missing first_NA
##     14       14          0         NA
##
## [[165]]
##      min      max pct_missing first_NA
##     15       15          0         NA
##
## [[166]]
##      min      max pct_missing first_NA
##     16       16          0         NA
##
## [[167]]
##      min      max pct_missing first_NA
##     17       17          0         NA
##
## [[168]]
##      min      max pct_missing first_NA

```

##	18	18	0	NA
##				
##	[[169]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[170]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[171]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[172]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[173]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[174]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[175]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[176]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[177]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[178]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[179]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[180]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[181]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				

```

## [[182]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[183]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[184]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[185]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[186]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[187]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[188]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[189]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[190]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[191]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[192]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[193]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[194]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[195]]
##      min      max pct_missing first_NA

```

```

##          45          45          0          NA
##
## [[196]]
##          min          max pct_missing first_NA
##          46          46          0          NA
##
## [[197]]
##          min          max pct_missing first_NA
##          47          47          0          NA
##
## [[198]]
##          min          max pct_missing first_NA
##          48          48          0          NA
##
## [[199]]
##          min          max pct_missing first_NA
##          49          49          0          NA
##
## [[200]]
##          min          max pct_missing first_NA
##          50          50          0          NA
##
## [[201]]
##          min          max pct_missing first_NA
##           1           1           0          NA
##
## [[202]]
##          min          max pct_missing first_NA
##           2           2           0          NA
##
## [[203]]
##          min          max pct_missing first_NA
##           3           3           0          NA
##
## [[204]]
##          min          max pct_missing first_NA
##           4           4           0          NA
##
## [[205]]
##          min          max pct_missing first_NA
##           5           5           0          NA
##
## [[206]]
##          min          max pct_missing first_NA
##           6           6           0          NA
##
## [[207]]
##          min          max pct_missing first_NA
##           7           7           0          NA
##
## [[208]]
##          min          max pct_missing first_NA
##           8           8           0          NA
##

```

```

## [[209]]
##      min      max pct_missing first_NA
##      9        9        0         NA
##
## [[210]]
##      min      max pct_missing first_NA
##     10       10        0         NA
##
## [[211]]
##      min      max pct_missing first_NA
##     11       11        0         NA
##
## [[212]]
##      min      max pct_missing first_NA
##     12       12        0         NA
##
## [[213]]
##      min      max pct_missing first_NA
##     13       13        0         NA
##
## [[214]]
##      min      max pct_missing first_NA
##     14       14        0         NA
##
## [[215]]
##      min      max pct_missing first_NA
##     15       15        0         NA
##
## [[216]]
##      min      max pct_missing first_NA
##     16       16        0         NA
##
## [[217]]
##      min      max pct_missing first_NA
##     17       17        0         NA
##
## [[218]]
##      min      max pct_missing first_NA
##     18       18        0         NA
##
## [[219]]
##      min      max pct_missing first_NA
##     19       19        0         NA
##
## [[220]]
##      min      max pct_missing first_NA
##     20       20        0         NA
##
## [[221]]
##      min      max pct_missing first_NA
##     21       21        0         NA
##
## [[222]]
##      min      max pct_missing first_NA

```

```

##          22          22          0          NA
##
## [[223]]
##          min          max pct_missing  first_NA
##          23          23          0          NA
##
## [[224]]
##          min          max pct_missing  first_NA
##          24          24          0          NA
##
## [[225]]
##          min          max pct_missing  first_NA
##          25          25          0          NA
##
## [[226]]
##          min          max pct_missing  first_NA
##          26          26          0          NA
##
## [[227]]
##          min          max pct_missing  first_NA
##          27          27          0          NA
##
## [[228]]
##          min          max pct_missing  first_NA
##          28          28          0          NA
##
## [[229]]
##          min          max pct_missing  first_NA
##          29          29          0          NA
##
## [[230]]
##          min          max pct_missing  first_NA
##          30          30          0          NA
##
## [[231]]
##          min          max pct_missing  first_NA
##          31          31          0          NA
##
## [[232]]
##          min          max pct_missing  first_NA
##          32          32          0          NA
##
## [[233]]
##          min          max pct_missing  first_NA
##          33          33          0          NA
##
## [[234]]
##          min          max pct_missing  first_NA
##          34          34          0          NA
##
## [[235]]
##          min          max pct_missing  first_NA
##          35          35          0          NA
##

```



```

## [[236]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[237]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[238]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[239]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[240]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[241]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[242]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[243]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[244]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[245]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[246]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[247]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[248]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[249]]
##      min      max pct_missing first_NA

```

##	49	49	0	NA
##				
##	[[250]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[251]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[252]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				
##	[[253]]			
##	min	max	pct_missing	first_NA
##	3	3	0	NA
##				
##	[[254]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[255]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[256]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[257]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[258]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[259]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[260]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[261]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[262]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				

```

## [[263]]
##      min      max pct_missing first_NA
##      13      13          0         NA
##
## [[264]]
##      min      max pct_missing first_NA
##      14      14          0         NA
##
## [[265]]
##      min      max pct_missing first_NA
##      15      15          0         NA
##
## [[266]]
##      min      max pct_missing first_NA
##      16      16          0         NA
##
## [[267]]
##      min      max pct_missing first_NA
##      17      17          0         NA
##
## [[268]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[269]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[270]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[271]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[272]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[273]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[274]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[275]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[276]]
##      min      max pct_missing first_NA

```

```

##          26          26          0          NA
##
## [[277]]
##          min          max pct_missing  first_NA
##          27          27          0          NA
##
## [[278]]
##          min          max pct_missing  first_NA
##          28          28          0          NA
##
## [[279]]
##          min          max pct_missing  first_NA
##          29          29          0          NA
##
## [[280]]
##          min          max pct_missing  first_NA
##          30          30          0          NA
##
## [[281]]
##          min          max pct_missing  first_NA
##          31          31          0          NA
##
## [[282]]
##          min          max pct_missing  first_NA
##          32          32          0          NA
##
## [[283]]
##          min          max pct_missing  first_NA
##          33          33          0          NA
##
## [[284]]
##          min          max pct_missing  first_NA
##          34          34          0          NA
##
## [[285]]
##          min          max pct_missing  first_NA
##          35          35          0          NA
##
## [[286]]
##          min          max pct_missing  first_NA
##          36          36          0          NA
##
## [[287]]
##          min          max pct_missing  first_NA
##          37          37          0          NA
##
## [[288]]
##          min          max pct_missing  first_NA
##          38          38          0          NA
##
## [[289]]
##          min          max pct_missing  first_NA
##          39          39          0          NA
##

```

```

## [[290]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[291]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[292]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[293]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[294]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[295]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[296]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[297]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[298]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[299]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[300]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[301]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[302]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[303]]
##      min      max pct_missing first_NA

```

##	3	3	0	NA
##				
##	[[304]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[305]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[306]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[307]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[308]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[309]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[310]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[311]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[312]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[313]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[314]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[315]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[316]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				

```

## [[317]]
##      min      max pct_missing first_NA
##      17      17          0         NA
##
## [[318]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[319]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[320]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[321]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[322]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[323]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[324]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[325]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[326]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[327]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[328]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[329]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[330]]
##      min      max pct_missing first_NA

```

```

##          30          30          0          NA
##
## [[331]]
##          min          max pct_missing  first_NA
##          31          31          0          NA
##
## [[332]]
##          min          max pct_missing  first_NA
##          32          32          0          NA
##
## [[333]]
##          min          max pct_missing  first_NA
##          33          33          0          NA
##
## [[334]]
##          min          max pct_missing  first_NA
##          34          34          0          NA
##
## [[335]]
##          min          max pct_missing  first_NA
##          35          35          0          NA
##
## [[336]]
##          min          max pct_missing  first_NA
##          36          36          0          NA
##
## [[337]]
##          min          max pct_missing  first_NA
##          37          37          0          NA
##
## [[338]]
##          min          max pct_missing  first_NA
##          38          38          0          NA
##
## [[339]]
##          min          max pct_missing  first_NA
##          39          39          0          NA
##
## [[340]]
##          min          max pct_missing  first_NA
##          40          40          0          NA
##
## [[341]]
##          min          max pct_missing  first_NA
##          41          41          0          NA
##
## [[342]]
##          min          max pct_missing  first_NA
##          42          42          0          NA
##
## [[343]]
##          min          max pct_missing  first_NA
##          43          43          0          NA
##

```



```

## [[344]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[345]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[346]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[347]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[348]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[349]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[350]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[351]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[352]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[353]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[354]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[355]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[356]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[357]]
##      min      max pct_missing first_NA

```

##	7	7	0	NA
##				
##	[[358]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[359]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[360]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[361]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[362]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[363]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[364]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[365]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[366]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[367]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[368]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[369]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[370]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				

```

## [[371]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[372]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[373]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[374]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[375]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[376]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[377]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[378]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[379]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[380]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[381]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[382]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[383]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[384]]
##      min      max pct_missing first_NA

```

```

##          34          34          0          NA
##
## [[385]]
##          min          max pct_missing first_NA
##          35          35          0          NA
##
## [[386]]
##          min          max pct_missing first_NA
##          36          36          0          NA
##
## [[387]]
##          min          max pct_missing first_NA
##          37          37          0          NA
##
## [[388]]
##          min          max pct_missing first_NA
##          38          38          0          NA
##
## [[389]]
##          min          max pct_missing first_NA
##          39          39          0          NA
##
## [[390]]
##          min          max pct_missing first_NA
##          40          40          0          NA
##
## [[391]]
##          min          max pct_missing first_NA
##          41          41          0          NA
##
## [[392]]
##          min          max pct_missing first_NA
##          42          42          0          NA
##
## [[393]]
##          min          max pct_missing first_NA
##          43          43          0          NA
##
## [[394]]
##          min          max pct_missing first_NA
##          44          44          0          NA
##
## [[395]]
##          min          max pct_missing first_NA
##          45          45          0          NA
##
## [[396]]
##          min          max pct_missing first_NA
##          46          46          0          NA
##
## [[397]]
##          min          max pct_missing first_NA
##          47          47          0          NA
##

```

```

## [[398]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[399]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[400]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[401]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[402]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[403]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[404]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[405]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[406]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[407]]
##      min      max pct_missing first_NA
##      7       7          0         NA
##
## [[408]]
##      min      max pct_missing first_NA
##      8       8          0         NA
##
## [[409]]
##      min      max pct_missing first_NA
##      9       9          0         NA
##
## [[410]]
##      min      max pct_missing first_NA
##     10      10          0         NA
##
## [[411]]
##      min      max pct_missing first_NA

```

```

##          11          11          0          NA
##
## [[412]]
##          min          max pct_missing first_NA
##          12          12          0          NA
##
## [[413]]
##          min          max pct_missing first_NA
##          13          13          0          NA
##
## [[414]]
##          min          max pct_missing first_NA
##          14          14          0          NA
##
## [[415]]
##          min          max pct_missing first_NA
##          15          15          0          NA
##
## [[416]]
##          min          max pct_missing first_NA
##          16          16          0          NA
##
## [[417]]
##          min          max pct_missing first_NA
##          17          17          0          NA
##
## [[418]]
##          min          max pct_missing first_NA
##          18          18          0          NA
##
## [[419]]
##          min          max pct_missing first_NA
##          19          19          0          NA
##
## [[420]]
##          min          max pct_missing first_NA
##          20          20          0          NA
##
## [[421]]
##          min          max pct_missing first_NA
##          21          21          0          NA
##
## [[422]]
##          min          max pct_missing first_NA
##          22          22          0          NA
##
## [[423]]
##          min          max pct_missing first_NA
##          23          23          0          NA
##
## [[424]]
##          min          max pct_missing first_NA
##          24          24          0          NA
##

```

```

## [[425]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[426]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[427]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[428]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[429]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[430]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[431]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[432]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[433]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[434]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[435]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[436]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[437]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[438]]
##      min      max pct_missing first_NA

```

##	38	38	0	NA
##				
##	[[439]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[440]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[441]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[442]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[443]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[444]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[445]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[446]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[447]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[448]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[449]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[450]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[451]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				



```

## [[452]]
##      min      max pct_missing first_NA
##      2        2        0         NA
##
## [[453]]
##      min      max pct_missing first_NA
##      3        3        0         NA
##
## [[454]]
##      min      max pct_missing first_NA
##      4        4        0         NA
##
## [[455]]
##      min      max pct_missing first_NA
##      5        5        0         NA
##
## [[456]]
##      min      max pct_missing first_NA
##      6        6        0         NA
##
## [[457]]
##      min      max pct_missing first_NA
##      7        7        0         NA
##
## [[458]]
##      min      max pct_missing first_NA
##      8        8        0         NA
##
## [[459]]
##      min      max pct_missing first_NA
##      9        9        0         NA
##
## [[460]]
##      min      max pct_missing first_NA
##     10       10        0         NA
##
## [[461]]
##      min      max pct_missing first_NA
##     11       11        0         NA
##
## [[462]]
##      min      max pct_missing first_NA
##     12       12        0         NA
##
## [[463]]
##      min      max pct_missing first_NA
##     13       13        0         NA
##
## [[464]]
##      min      max pct_missing first_NA
##     14       14        0         NA
##
## [[465]]
##      min      max pct_missing first_NA

```

##	15	15	0	NA
##				
##	[[466]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[467]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[468]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[469]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[470]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[471]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[472]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[473]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[474]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[475]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[476]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[477]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[478]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				

```

## [[479]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[480]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[481]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[482]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[483]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[484]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[485]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[486]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[487]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[488]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[489]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[490]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[491]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[492]]
##      min      max pct_missing first_NA

```

##	42	42	0	NA
##				
##	[[493]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[494]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[495]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[496]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[497]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[498]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[499]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[500]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[501]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[502]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				
##	[[503]]			
##	min	max	pct_missing	first_NA
##	3	3	0	NA
##				
##	[[504]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[505]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				

```

## [[506]]
##      min      max pct_missing first_NA
##      6        6        0         NA
##
## [[507]]
##      min      max pct_missing first_NA
##      7        7        0         NA
##
## [[508]]
##      min      max pct_missing first_NA
##      8        8        0         NA
##
## [[509]]
##      min      max pct_missing first_NA
##      9        9        0         NA
##
## [[510]]
##      min      max pct_missing first_NA
##     10       10        0         NA
##
## [[511]]
##      min      max pct_missing first_NA
##     11       11        0         NA
##
## [[512]]
##      min      max pct_missing first_NA
##     12       12        0         NA
##
## [[513]]
##      min      max pct_missing first_NA
##     13       13        0         NA
##
## [[514]]
##      min      max pct_missing first_NA
##     14       14        0         NA
##
## [[515]]
##      min      max pct_missing first_NA
##     15       15        0         NA
##
## [[516]]
##      min      max pct_missing first_NA
##     16       16        0         NA
##
## [[517]]
##      min      max pct_missing first_NA
##     17       17        0         NA
##
## [[518]]
##      min      max pct_missing first_NA
##     18       18        0         NA
##
## [[519]]
##      min      max pct_missing first_NA

```

```

##          19          19          0          NA
##
## [[520]]
##          min          max pct_missing  first_NA
##          20          20          0          NA
##
## [[521]]
##          min          max pct_missing  first_NA
##          21          21          0          NA
##
## [[522]]
##          min          max pct_missing  first_NA
##          22          22          0          NA
##
## [[523]]
##          min          max pct_missing  first_NA
##          23          23          0          NA
##
## [[524]]
##          min          max pct_missing  first_NA
##          24          24          0          NA
##
## [[525]]
##          min          max pct_missing  first_NA
##          25          25          0          NA
##
## [[526]]
##          min          max pct_missing  first_NA
##          26          26          0          NA
##
## [[527]]
##          min          max pct_missing  first_NA
##          27          27          0          NA
##
## [[528]]
##          min          max pct_missing  first_NA
##          28          28          0          NA
##
## [[529]]
##          min          max pct_missing  first_NA
##          29          29          0          NA
##
## [[530]]
##          min          max pct_missing  first_NA
##          30          30          0          NA
##
## [[531]]
##          min          max pct_missing  first_NA
##          31          31          0          NA
##
## [[532]]
##          min          max pct_missing  first_NA
##          32          32          0          NA
##

```

```

## [[533]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[534]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[535]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[536]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[537]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[538]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[539]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[540]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[541]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[542]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[543]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[544]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[545]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[546]]
##      min      max pct_missing first_NA

```

##	46	46	0	NA
##				
##	[[547]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[548]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[549]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[550]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[551]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[552]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				
##	[[553]]			
##	min	max	pct_missing	first_NA
##	3	3	0	NA
##				
##	[[554]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[555]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[556]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[557]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[558]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[559]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				



```

## [[560]]
##      min      max pct_missing first_NA
##      10      10          0         NA
##
## [[561]]
##      min      max pct_missing first_NA
##      11      11          0         NA
##
## [[562]]
##      min      max pct_missing first_NA
##      12      12          0         NA
##
## [[563]]
##      min      max pct_missing first_NA
##      13      13          0         NA
##
## [[564]]
##      min      max pct_missing first_NA
##      14      14          0         NA
##
## [[565]]
##      min      max pct_missing first_NA
##      15      15          0         NA
##
## [[566]]
##      min      max pct_missing first_NA
##      16      16          0         NA
##
## [[567]]
##      min      max pct_missing first_NA
##      17      17          0         NA
##
## [[568]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[569]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[570]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[571]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[572]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[573]]
##      min      max pct_missing first_NA

```

##	23	23	0	NA
##				
##	[[574]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[575]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[576]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[577]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[578]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[579]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[580]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[581]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[582]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[583]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[584]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[585]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[586]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				

```

## [[587]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[588]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[589]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[590]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[591]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[592]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[593]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[594]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[595]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[596]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[597]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[598]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[599]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[600]]
##      min      max pct_missing first_NA

```

##	50	50	0	NA
##				
##	[[601]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[602]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				
##	[[603]]			
##	min	max	pct_missing	first_NA
##	3	3	0	NA
##				
##	[[604]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[605]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[606]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[607]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[608]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[609]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[610]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[611]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[612]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[613]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				

```

## [[614]]
##      min      max pct_missing first_NA
##      14      14          0         NA
##
## [[615]]
##      min      max pct_missing first_NA
##      15      15          0         NA
##
## [[616]]
##      min      max pct_missing first_NA
##      16      16          0         NA
##
## [[617]]
##      min      max pct_missing first_NA
##      17      17          0         NA
##
## [[618]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[619]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[620]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[621]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[622]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[623]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[624]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[625]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[626]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[627]]
##      min      max pct_missing first_NA

```

##	27	27	0	NA
##				
##	[[628]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[629]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[630]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[631]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[632]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[633]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[634]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[635]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[636]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[637]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[638]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[639]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[640]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				

```

## [[641]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[642]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[643]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[644]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[645]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[646]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[647]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[648]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[649]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[650]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[651]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[652]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[653]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[654]]
##      min      max pct_missing first_NA

```

##	4	4	0	NA
##				
##	[[655]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[656]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[657]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[658]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[659]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[660]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[661]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[662]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[663]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[664]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[665]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[666]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[667]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				



```

## [[668]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[669]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[670]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[671]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[672]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[673]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[674]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[675]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[676]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[677]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[678]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[679]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[680]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[681]]
##      min      max pct_missing first_NA

```

##	31	31	0	NA
##				
##	[[682]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[683]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[684]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[685]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[686]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[687]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[688]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[689]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[690]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[691]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[692]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[693]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[694]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				

```

## [[695]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[696]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[697]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[698]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[699]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[700]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[701]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[702]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[703]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[704]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[705]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[706]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[707]]
##      min      max pct_missing first_NA
##      7       7          0         NA
##
## [[708]]
##      min      max pct_missing first_NA

```

##	8	8	0	NA
##				
##	[[709]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[710]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[711]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[712]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[713]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[714]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[715]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[716]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[717]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[718]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[719]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[720]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[721]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				

```

## [[722]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[723]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[724]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[725]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[726]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[727]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[728]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[729]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[730]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[731]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[732]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[733]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[734]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[735]]
##      min      max pct_missing first_NA

```

##	35	35	0	NA
##				
##	[[736]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[737]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[738]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[739]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[740]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[741]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[742]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[743]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[744]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[745]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[746]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[747]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[748]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				

```

## [[749]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[750]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[751]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[752]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[753]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[754]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[755]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[756]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[757]]
##      min      max pct_missing first_NA
##      7       7          0         NA
##
## [[758]]
##      min      max pct_missing first_NA
##      8       8          0         NA
##
## [[759]]
##      min      max pct_missing first_NA
##      9       9          0         NA
##
## [[760]]
##      min      max pct_missing first_NA
##     10      10          0         NA
##
## [[761]]
##      min      max pct_missing first_NA
##     11      11          0         NA
##
## [[762]]
##      min      max pct_missing first_NA

```

##	12	12	0	NA
##				
##	[[763]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[764]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[765]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[766]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[767]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[768]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[769]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[770]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[771]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[772]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[773]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[774]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[775]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				



```

## [[776]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[777]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[778]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[779]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[780]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[781]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[782]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[783]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[784]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[785]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[786]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[787]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[788]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[789]]
##      min      max pct_missing first_NA

```

##	39	39	0	NA
##				
##	[[790]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[791]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[792]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[793]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[794]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[795]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[796]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[797]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[798]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[799]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[800]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[801]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[802]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				

```

## [[803]]
##      min      max pct_missing first_NA
##      3        3          0         NA
##
## [[804]]
##      min      max pct_missing first_NA
##      4        4          0         NA
##
## [[805]]
##      min      max pct_missing first_NA
##      5        5          0         NA
##
## [[806]]
##      min      max pct_missing first_NA
##      6        6          0         NA
##
## [[807]]
##      min      max pct_missing first_NA
##      7        7          0         NA
##
## [[808]]
##      min      max pct_missing first_NA
##      8        8          0         NA
##
## [[809]]
##      min      max pct_missing first_NA
##      9        9          0         NA
##
## [[810]]
##      min      max pct_missing first_NA
##     10       10          0         NA
##
## [[811]]
##      min      max pct_missing first_NA
##     11       11          0         NA
##
## [[812]]
##      min      max pct_missing first_NA
##     12       12          0         NA
##
## [[813]]
##      min      max pct_missing first_NA
##     13       13          0         NA
##
## [[814]]
##      min      max pct_missing first_NA
##     14       14          0         NA
##
## [[815]]
##      min      max pct_missing first_NA
##     15       15          0         NA
##
## [[816]]
##      min      max pct_missing first_NA

```

```

##          16          16          0          NA
##
## [[817]]
##          min          max pct_missing  first_NA
##          17          17          0          NA
##
## [[818]]
##          min          max pct_missing  first_NA
##          18          18          0          NA
##
## [[819]]
##          min          max pct_missing  first_NA
##          19          19          0          NA
##
## [[820]]
##          min          max pct_missing  first_NA
##          20          20          0          NA
##
## [[821]]
##          min          max pct_missing  first_NA
##          21          21          0          NA
##
## [[822]]
##          min          max pct_missing  first_NA
##          22          22          0          NA
##
## [[823]]
##          min          max pct_missing  first_NA
##          23          23          0          NA
##
## [[824]]
##          min          max pct_missing  first_NA
##          24          24          0          NA
##
## [[825]]
##          min          max pct_missing  first_NA
##          25          25          0          NA
##
## [[826]]
##          min          max pct_missing  first_NA
##          26          26          0          NA
##
## [[827]]
##          min          max pct_missing  first_NA
##          27          27          0          NA
##
## [[828]]
##          min          max pct_missing  first_NA
##          28          28          0          NA
##
## [[829]]
##          min          max pct_missing  first_NA
##          29          29          0          NA
##

```

```

## [[830]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[831]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[832]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[833]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[834]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[835]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[836]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[837]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[838]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[839]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[840]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[841]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[842]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[843]]
##      min      max pct_missing first_NA

```

##	43	43	0	NA
##				
##	[[844]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[845]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[846]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[847]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[848]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[849]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[850]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[851]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[852]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				
##	[[853]]			
##	min	max	pct_missing	first_NA
##	3	3	0	NA
##				
##	[[854]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[855]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[856]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				

```

## [[857]]
##      min      max pct_missing first_NA
##      7        7        0         NA
##
## [[858]]
##      min      max pct_missing first_NA
##      8        8        0         NA
##
## [[859]]
##      min      max pct_missing first_NA
##      9        9        0         NA
##
## [[860]]
##      min      max pct_missing first_NA
##     10       10        0         NA
##
## [[861]]
##      min      max pct_missing first_NA
##     11       11        0         NA
##
## [[862]]
##      min      max pct_missing first_NA
##     12       12        0         NA
##
## [[863]]
##      min      max pct_missing first_NA
##     13       13        0         NA
##
## [[864]]
##      min      max pct_missing first_NA
##     14       14        0         NA
##
## [[865]]
##      min      max pct_missing first_NA
##     15       15        0         NA
##
## [[866]]
##      min      max pct_missing first_NA
##     16       16        0         NA
##
## [[867]]
##      min      max pct_missing first_NA
##     17       17        0         NA
##
## [[868]]
##      min      max pct_missing first_NA
##     18       18        0         NA
##
## [[869]]
##      min      max pct_missing first_NA
##     19       19        0         NA
##
## [[870]]
##      min      max pct_missing first_NA

```

##	20	20	0	NA
##				
##	[[871]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[872]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[873]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[874]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[875]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[876]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[877]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[878]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[879]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[880]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[881]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[882]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[883]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				



```

## [[884]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[885]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[886]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[887]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[888]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[889]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[890]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[891]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[892]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[893]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[894]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[895]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[896]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[897]]
##      min      max pct_missing first_NA

```

##	47	47	0	NA
##				
##	[[898]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[899]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[900]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[901]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[902]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				
##	[[903]]			
##	min	max	pct_missing	first_NA
##	3	3	0	NA
##				
##	[[904]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[905]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[906]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[907]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[908]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[909]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[910]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				

```

## [[911]]
##      min      max pct_missing first_NA
##      11      11          0         NA
##
## [[912]]
##      min      max pct_missing first_NA
##      12      12          0         NA
##
## [[913]]
##      min      max pct_missing first_NA
##      13      13          0         NA
##
## [[914]]
##      min      max pct_missing first_NA
##      14      14          0         NA
##
## [[915]]
##      min      max pct_missing first_NA
##      15      15          0         NA
##
## [[916]]
##      min      max pct_missing first_NA
##      16      16          0         NA
##
## [[917]]
##      min      max pct_missing first_NA
##      17      17          0         NA
##
## [[918]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[919]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[920]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[921]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[922]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[923]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[924]]
##      min      max pct_missing first_NA

```

##	24	24	0	NA
##				
##	[[925]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[926]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[927]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[928]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[929]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[930]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[931]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[932]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[933]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[934]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[935]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[936]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[937]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				

```

## [[938]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[939]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[940]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[941]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[942]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[943]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[944]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[945]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[946]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[947]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[948]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[949]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[950]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[951]]
##      min      max pct_missing first_NA

```

```

##          1          1          0          NA
##
## [[952]]
##          min          max pct_missing first_NA
##          2          2          0          NA
##
## [[953]]
##          min          max pct_missing first_NA
##          3          3          0          NA
##
## [[954]]
##          min          max pct_missing first_NA
##          4          4          0          NA
##
## [[955]]
##          min          max pct_missing first_NA
##          5          5          0          NA
##
## [[956]]
##          min          max pct_missing first_NA
##          6          6          0          NA
##
## [[957]]
##          min          max pct_missing first_NA
##          7          7          0          NA
##
## [[958]]
##          min          max pct_missing first_NA
##          8          8          0          NA
##
## [[959]]
##          min          max pct_missing first_NA
##          9          9          0          NA
##
## [[960]]
##          min          max pct_missing first_NA
##          10         10          0          NA
##
## [[961]]
##          min          max pct_missing first_NA
##          11         11          0          NA
##
## [[962]]
##          min          max pct_missing first_NA
##          12         12          0          NA
##
## [[963]]
##          min          max pct_missing first_NA
##          13         13          0          NA
##
## [[964]]
##          min          max pct_missing first_NA
##          14         14          0          NA
##

```

```

## [[965]]
##      min      max pct_missing first_NA
##      15      15          0         NA
##
## [[966]]
##      min      max pct_missing first_NA
##      16      16          0         NA
##
## [[967]]
##      min      max pct_missing first_NA
##      17      17          0         NA
##
## [[968]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[969]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[970]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[971]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[972]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[973]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[974]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[975]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[976]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[977]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[978]]
##      min      max pct_missing first_NA

```

##	28	28	0	NA
##				
##	[[979]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[980]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[981]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[982]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[983]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[984]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[985]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[986]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[987]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[988]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[989]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[990]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[991]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				



```

## [[992]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[993]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[994]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[995]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[996]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[997]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[998]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[999]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[1000]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[1001]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[1002]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[1003]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[1004]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[1005]]
##      min      max pct_missing first_NA

```

##	5	5	0	NA
##				
##	[[1006]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[1007]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[1008]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[1009]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[1010]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[1011]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[1012]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[1013]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[1014]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[1015]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[1016]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[1017]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[1018]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				

```

## [[1019]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[1020]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[1021]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[1022]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[1023]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[1024]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[1025]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[1026]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[1027]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[1028]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[1029]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[1030]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[1031]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[1032]]
##      min      max pct_missing first_NA

```

##	32	32	0	NA
##				
##	[[1033]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[1034]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[1035]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[1036]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[1037]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[1038]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[1039]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[1040]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[1041]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[1042]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[1043]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[1044]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[1045]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				

```

## [[1046]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[1047]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[1048]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[1049]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[1050]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[1051]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[1052]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[1053]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[1054]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[1055]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[1056]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[1057]]
##      min      max pct_missing first_NA
##      7       7          0         NA
##
## [[1058]]
##      min      max pct_missing first_NA
##      8       8          0         NA
##
## [[1059]]
##      min      max pct_missing first_NA

```

```

##          9          9          0          NA
##
## [[1060]]
##      min      max pct_missing first_NA
##      10      10          0          NA
##
## [[1061]]
##      min      max pct_missing first_NA
##      11      11          0          NA
##
## [[1062]]
##      min      max pct_missing first_NA
##      12      12          0          NA
##
## [[1063]]
##      min      max pct_missing first_NA
##      13      13          0          NA
##
## [[1064]]
##      min      max pct_missing first_NA
##      14      14          0          NA
##
## [[1065]]
##      min      max pct_missing first_NA
##      15      15          0          NA
##
## [[1066]]
##      min      max pct_missing first_NA
##      16      16          0          NA
##
## [[1067]]
##      min      max pct_missing first_NA
##      17      17          0          NA
##
## [[1068]]
##      min      max pct_missing first_NA
##      18      18          0          NA
##
## [[1069]]
##      min      max pct_missing first_NA
##      19      19          0          NA
##
## [[1070]]
##      min      max pct_missing first_NA
##      20      20          0          NA
##
## [[1071]]
##      min      max pct_missing first_NA
##      21      21          0          NA
##
## [[1072]]
##      min      max pct_missing first_NA
##      22      22          0          NA
##

```

```

## [[1073]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[1074]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[1075]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[1076]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[1077]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[1078]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[1079]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[1080]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[1081]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[1082]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[1083]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[1084]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[1085]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[1086]]
##      min      max pct_missing first_NA

```

```

##          36          36          0          NA
##
## [[1087]]
##          min          max pct_missing  first_NA
##          37          37          0          NA
##
## [[1088]]
##          min          max pct_missing  first_NA
##          38          38          0          NA
##
## [[1089]]
##          min          max pct_missing  first_NA
##          39          39          0          NA
##
## [[1090]]
##          min          max pct_missing  first_NA
##          40          40          0          NA
##
## [[1091]]
##          min          max pct_missing  first_NA
##          41          41          0          NA
##
## [[1092]]
##          min          max pct_missing  first_NA
##          42          42          0          NA
##
## [[1093]]
##          min          max pct_missing  first_NA
##          43          43          0          NA
##
## [[1094]]
##          min          max pct_missing  first_NA
##          44          44          0          NA
##
## [[1095]]
##          min          max pct_missing  first_NA
##          45          45          0          NA
##
## [[1096]]
##          min          max pct_missing  first_NA
##          46          46          0          NA
##
## [[1097]]
##          min          max pct_missing  first_NA
##          47          47          0          NA
##
## [[1098]]
##          min          max pct_missing  first_NA
##          48          48          0          NA
##
## [[1099]]
##          min          max pct_missing  first_NA
##          49          49          0          NA
##

```



```

## [[1100]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[1101]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[1102]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[1103]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[1104]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[1105]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[1106]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[1107]]
##      min      max pct_missing first_NA
##      7       7          0         NA
##
## [[1108]]
##      min      max pct_missing first_NA
##      8       8          0         NA
##
## [[1109]]
##      min      max pct_missing first_NA
##      9       9          0         NA
##
## [[1110]]
##      min      max pct_missing first_NA
##     10      10          0         NA
##
## [[1111]]
##      min      max pct_missing first_NA
##     11      11          0         NA
##
## [[1112]]
##      min      max pct_missing first_NA
##     12      12          0         NA
##
## [[1113]]
##      min      max pct_missing first_NA

```

##	13	13	0	NA
##				
##	[[1114]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[1115]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[1116]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[1117]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[1118]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[1119]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[1120]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[1121]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[1122]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[1123]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[1124]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[1125]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[1126]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				

```

## [[1127]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[1128]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[1129]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[1130]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[1131]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[1132]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[1133]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[1134]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[1135]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[1136]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[1137]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[1138]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[1139]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[1140]]
##      min      max pct_missing first_NA

```

##	40	40	0	NA
##				
##	[[1141]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[1142]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[1143]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[1144]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[1145]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[1146]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[1147]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[1148]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[1149]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[1150]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[1151]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[1152]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				
##	[[1153]]			
##	min	max	pct_missing	first_NA
##	3	3	0	NA
##				

```

## [[1154]]
##      min      max pct_missing first_NA
##      4        4        0         NA
##
## [[1155]]
##      min      max pct_missing first_NA
##      5        5        0         NA
##
## [[1156]]
##      min      max pct_missing first_NA
##      6        6        0         NA
##
## [[1157]]
##      min      max pct_missing first_NA
##      7        7        0         NA
##
## [[1158]]
##      min      max pct_missing first_NA
##      8        8        0         NA
##
## [[1159]]
##      min      max pct_missing first_NA
##      9        9        0         NA
##
## [[1160]]
##      min      max pct_missing first_NA
##     10       10        0         NA
##
## [[1161]]
##      min      max pct_missing first_NA
##     11       11        0         NA
##
## [[1162]]
##      min      max pct_missing first_NA
##     12       12        0         NA
##
## [[1163]]
##      min      max pct_missing first_NA
##     13       13        0         NA
##
## [[1164]]
##      min      max pct_missing first_NA
##     14       14        0         NA
##
## [[1165]]
##      min      max pct_missing first_NA
##     15       15        0         NA
##
## [[1166]]
##      min      max pct_missing first_NA
##     16       16        0         NA
##
## [[1167]]
##      min      max pct_missing first_NA

```

##	17	17	0	NA
##				
##	[[1168]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[1169]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[1170]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[1171]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[1172]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[1173]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[1174]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[1175]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[1176]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[1177]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[1178]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[1179]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[1180]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				

```

## [[1181]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[1182]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[1183]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[1184]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[1185]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[1186]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[1187]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[1188]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[1189]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[1190]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[1191]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[1192]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[1193]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[1194]]
##      min      max pct_missing first_NA

```

##	44	44	0	NA
##				
##	[[1195]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[1196]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[1197]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[1198]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[1199]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[1200]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[1201]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[1202]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				
##	[[1203]]			
##	min	max	pct_missing	first_NA
##	3	3	0	NA
##				
##	[[1204]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[1205]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[1206]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[1207]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				



```

## [[1208]]
##      min      max pct_missing first_NA
##      8        8        0         NA
##
## [[1209]]
##      min      max pct_missing first_NA
##      9        9        0         NA
##
## [[1210]]
##      min      max pct_missing first_NA
##     10       10        0         NA
##
## [[1211]]
##      min      max pct_missing first_NA
##     11       11        0         NA
##
## [[1212]]
##      min      max pct_missing first_NA
##     12       12        0         NA
##
## [[1213]]
##      min      max pct_missing first_NA
##     13       13        0         NA
##
## [[1214]]
##      min      max pct_missing first_NA
##     14       14        0         NA
##
## [[1215]]
##      min      max pct_missing first_NA
##     15       15        0         NA
##
## [[1216]]
##      min      max pct_missing first_NA
##     16       16        0         NA
##
## [[1217]]
##      min      max pct_missing first_NA
##     17       17        0         NA
##
## [[1218]]
##      min      max pct_missing first_NA
##     18       18        0         NA
##
## [[1219]]
##      min      max pct_missing first_NA
##     19       19        0         NA
##
## [[1220]]
##      min      max pct_missing first_NA
##     20       20        0         NA
##
## [[1221]]
##      min      max pct_missing first_NA

```

```

##          21          21          0          NA
##
## [[1222]]
##          min          max pct_missing first_NA
##          22          22          0          NA
##
## [[1223]]
##          min          max pct_missing first_NA
##          23          23          0          NA
##
## [[1224]]
##          min          max pct_missing first_NA
##          24          24          0          NA
##
## [[1225]]
##          min          max pct_missing first_NA
##          25          25          0          NA
##
## [[1226]]
##          min          max pct_missing first_NA
##          26          26          0          NA
##
## [[1227]]
##          min          max pct_missing first_NA
##          27          27          0          NA
##
## [[1228]]
##          min          max pct_missing first_NA
##          28          28          0          NA
##
## [[1229]]
##          min          max pct_missing first_NA
##          29          29          0          NA
##
## [[1230]]
##          min          max pct_missing first_NA
##          30          30          0          NA
##
## [[1231]]
##          min          max pct_missing first_NA
##          31          31          0          NA
##
## [[1232]]
##          min          max pct_missing first_NA
##          32          32          0          NA
##
## [[1233]]
##          min          max pct_missing first_NA
##          33          33          0          NA
##
## [[1234]]
##          min          max pct_missing first_NA
##          34          34          0          NA
##

```

```

## [[1235]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[1236]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[1237]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[1238]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[1239]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[1240]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[1241]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[1242]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[1243]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[1244]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[1245]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[1246]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[1247]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[1248]]
##      min      max pct_missing first_NA

```

```

##          48          48          0          NA
##
## [[1249]]
##          min          max pct_missing first_NA
##          49          49          0          NA
##
## [[1250]]
##          min          max pct_missing first_NA
##          50          50          0          NA
##
## [[1251]]
##          min          max pct_missing first_NA
##          1           1           0          NA
##
## [[1252]]
##          min          max pct_missing first_NA
##          2           2           0          NA
##
## [[1253]]
##          min          max pct_missing first_NA
##          3           3           0          NA
##
## [[1254]]
##          min          max pct_missing first_NA
##          4           4           0          NA
##
## [[1255]]
##          min          max pct_missing first_NA
##          5           5           0          NA
##
## [[1256]]
##          min          max pct_missing first_NA
##          6           6           0          NA
##
## [[1257]]
##          min          max pct_missing first_NA
##          7           7           0          NA
##
## [[1258]]
##          min          max pct_missing first_NA
##          8           8           0          NA
##
## [[1259]]
##          min          max pct_missing first_NA
##          9           9           0          NA
##
## [[1260]]
##          min          max pct_missing first_NA
##          10          10          0          NA
##
## [[1261]]
##          min          max pct_missing first_NA
##          11          11          0          NA
##

```

```

## [[1262]]
##      min      max pct_missing first_NA
##      12      12          0         NA
##
## [[1263]]
##      min      max pct_missing first_NA
##      13      13          0         NA
##
## [[1264]]
##      min      max pct_missing first_NA
##      14      14          0         NA
##
## [[1265]]
##      min      max pct_missing first_NA
##      15      15          0         NA
##
## [[1266]]
##      min      max pct_missing first_NA
##      16      16          0         NA
##
## [[1267]]
##      min      max pct_missing first_NA
##      17      17          0         NA
##
## [[1268]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[1269]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[1270]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[1271]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[1272]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[1273]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[1274]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[1275]]
##      min      max pct_missing first_NA

```

##	25	25	0	NA
##				
##	[[1276]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[1277]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[1278]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[1279]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[1280]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[1281]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[1282]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[1283]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[1284]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[1285]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[1286]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[1287]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[1288]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				

```

## [[1289]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[1290]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[1291]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[1292]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[1293]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[1294]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[1295]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[1296]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[1297]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[1298]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[1299]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[1300]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[1301]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[1302]]
##      min      max pct_missing first_NA

```

##	2	2	0	NA
##				
##	[[1303]]			
##	min	max	pct_missing	first_NA
##	3	3	0	NA
##				
##	[[1304]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[1305]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[1306]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[1307]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[1308]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[1309]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[1310]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[1311]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[1312]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[1313]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[1314]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[1315]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				



```

## [[1316]]
##      min      max pct_missing first_NA
##      16      16          0         NA
##
## [[1317]]
##      min      max pct_missing first_NA
##      17      17          0         NA
##
## [[1318]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[1319]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[1320]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[1321]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[1322]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[1323]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[1324]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[1325]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[1326]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[1327]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[1328]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[1329]]
##      min      max pct_missing first_NA

```

##	29	29	0	NA
##				
##	[[1330]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[1331]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[1332]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[1333]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[1334]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[1335]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[1336]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[1337]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[1338]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[1339]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[1340]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[1341]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[1342]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				

```

## [[1343]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[1344]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[1345]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[1346]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[1347]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[1348]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[1349]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[1350]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[1351]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[1352]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[1353]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[1354]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[1355]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[1356]]
##      min      max pct_missing first_NA

```

##	6	6	0	NA
##				
##	[[1357]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[1358]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[1359]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[1360]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[1361]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[1362]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[1363]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[1364]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[1365]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[1366]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[1367]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[1368]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[1369]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				

```

## [[1370]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[1371]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[1372]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[1373]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[1374]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[1375]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[1376]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[1377]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[1378]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[1379]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[1380]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[1381]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[1382]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[1383]]
##      min      max pct_missing first_NA

```

##	33	33	0	NA
##				
##	[[1384]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[1385]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[1386]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[1387]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[1388]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[1389]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[1390]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[1391]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[1392]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[1393]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[1394]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[1395]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[1396]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				

```

## [[1397]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[1398]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[1399]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[1400]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[1401]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[1402]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[1403]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[1404]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[1405]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[1406]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[1407]]
##      min      max pct_missing first_NA
##      7       7          0         NA
##
## [[1408]]
##      min      max pct_missing first_NA
##      8       8          0         NA
##
## [[1409]]
##      min      max pct_missing first_NA
##      9       9          0         NA
##
## [[1410]]
##      min      max pct_missing first_NA

```

##	10	10	0	NA
##				
##	[[1411]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[1412]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[1413]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[1414]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[1415]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[1416]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[1417]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[1418]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[1419]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[1420]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[1421]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[1422]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[1423]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				



```

## [[1424]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[1425]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[1426]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[1427]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[1428]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[1429]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[1430]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[1431]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[1432]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[1433]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[1434]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[1435]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[1436]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[1437]]
##      min      max pct_missing first_NA

```

```

##          37          37          0          NA
##
## [[1438]]
##          min          max pct_missing first_NA
##          38          38          0          NA
##
## [[1439]]
##          min          max pct_missing first_NA
##          39          39          0          NA
##
## [[1440]]
##          min          max pct_missing first_NA
##          40          40          0          NA
##
## [[1441]]
##          min          max pct_missing first_NA
##          41          41          0          NA
##
## [[1442]]
##          min          max pct_missing first_NA
##          42          42          0          NA
##
## [[1443]]
##          min          max pct_missing first_NA
##          43          43          0          NA
##
## [[1444]]
##          min          max pct_missing first_NA
##          44          44          0          NA
##
## [[1445]]
##          min          max pct_missing first_NA
##          45          45          0          NA
##
## [[1446]]
##          min          max pct_missing first_NA
##          46          46          0          NA
##
## [[1447]]
##          min          max pct_missing first_NA
##          47          47          0          NA
##
## [[1448]]
##          min          max pct_missing first_NA
##          48          48          0          NA
##
## [[1449]]
##          min          max pct_missing first_NA
##          49          49          0          NA
##
## [[1450]]
##          min          max pct_missing first_NA
##          50          50          0          NA
##

```

```

## [[1451]]
##      min      max pct_missing first_NA
##      1        1          0         NA
##
## [[1452]]
##      min      max pct_missing first_NA
##      2        2          0         NA
##
## [[1453]]
##      min      max pct_missing first_NA
##      3        3          0         NA
##
## [[1454]]
##      min      max pct_missing first_NA
##      4        4          0         NA
##
## [[1455]]
##      min      max pct_missing first_NA
##      5        5          0         NA
##
## [[1456]]
##      min      max pct_missing first_NA
##      6        6          0         NA
##
## [[1457]]
##      min      max pct_missing first_NA
##      7        7          0         NA
##
## [[1458]]
##      min      max pct_missing first_NA
##      8        8          0         NA
##
## [[1459]]
##      min      max pct_missing first_NA
##      9        9          0         NA
##
## [[1460]]
##      min      max pct_missing first_NA
##     10       10          0         NA
##
## [[1461]]
##      min      max pct_missing first_NA
##     11       11          0         NA
##
## [[1462]]
##      min      max pct_missing first_NA
##     12       12          0         NA
##
## [[1463]]
##      min      max pct_missing first_NA
##     13       13          0         NA
##
## [[1464]]
##      min      max pct_missing first_NA

```

##	14	14	0	NA
##				
##	[[1465]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[1466]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[1467]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[1468]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[1469]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[1470]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[1471]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[1472]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[1473]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[1474]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[1475]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[1476]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[1477]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				

```

## [[1478]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[1479]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[1480]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[1481]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[1482]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[1483]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[1484]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[1485]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[1486]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[1487]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[1488]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[1489]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[1490]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[1491]]
##      min      max pct_missing first_NA

```

```

##          41          41          0          NA
##
## [[1492]]
##          min          max pct_missing first_NA
##          42          42          0          NA
##
## [[1493]]
##          min          max pct_missing first_NA
##          43          43          0          NA
##
## [[1494]]
##          min          max pct_missing first_NA
##          44          44          0          NA
##
## [[1495]]
##          min          max pct_missing first_NA
##          45          45          0          NA
##
## [[1496]]
##          min          max pct_missing first_NA
##          46          46          0          NA
##
## [[1497]]
##          min          max pct_missing first_NA
##          47          47          0          NA
##
## [[1498]]
##          min          max pct_missing first_NA
##          48          48          0          NA
##
## [[1499]]
##          min          max pct_missing first_NA
##          49          49          0          NA
##
## [[1500]]
##          min          max pct_missing first_NA
##          50          50          0          NA
##
## [[1501]]
##          min          max pct_missing first_NA
##          1           1           0          NA
##
## [[1502]]
##          min          max pct_missing first_NA
##          2           2           0          NA
##
## [[1503]]
##          min          max pct_missing first_NA
##          3           3           0          NA
##
## [[1504]]
##          min          max pct_missing first_NA
##          4           4           0          NA
##

```

```

## [[1505]]
##      min      max pct_missing first_NA
##      5        5          0         NA
##
## [[1506]]
##      min      max pct_missing first_NA
##      6        6          0         NA
##
## [[1507]]
##      min      max pct_missing first_NA
##      7        7          0         NA
##
## [[1508]]
##      min      max pct_missing first_NA
##      8        8          0         NA
##
## [[1509]]
##      min      max pct_missing first_NA
##      9        9          0         NA
##
## [[1510]]
##      min      max pct_missing first_NA
##     10       10          0         NA
##
## [[1511]]
##      min      max pct_missing first_NA
##     11       11          0         NA
##
## [[1512]]
##      min      max pct_missing first_NA
##     12       12          0         NA
##
## [[1513]]
##      min      max pct_missing first_NA
##     13       13          0         NA
##
## [[1514]]
##      min      max pct_missing first_NA
##     14       14          0         NA
##
## [[1515]]
##      min      max pct_missing first_NA
##     15       15          0         NA
##
## [[1516]]
##      min      max pct_missing first_NA
##     16       16          0         NA
##
## [[1517]]
##      min      max pct_missing first_NA
##     17       17          0         NA
##
## [[1518]]
##      min      max pct_missing first_NA

```

##	18	18	0	NA
##				
##	[[1519]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[1520]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[1521]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[1522]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[1523]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[1524]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[1525]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[1526]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[1527]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[1528]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[1529]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[1530]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[1531]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				



```

## [[1532]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[1533]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[1534]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[1535]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[1536]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[1537]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[1538]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[1539]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[1540]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[1541]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[1542]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[1543]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[1544]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[1545]]
##      min      max pct_missing first_NA

```

```

##          45          45          0          NA
##
## [[1546]]
##          min          max pct_missing  first_NA
##          46          46          0          NA
##
## [[1547]]
##          min          max pct_missing  first_NA
##          47          47          0          NA
##
## [[1548]]
##          min          max pct_missing  first_NA
##          48          48          0          NA
##
## [[1549]]
##          min          max pct_missing  first_NA
##          49          49          0          NA
##
## [[1550]]
##          min          max pct_missing  first_NA
##          50          50          0          NA
##
## [[1551]]
##          min          max pct_missing  first_NA
##          1           1           0          NA
##
## [[1552]]
##          min          max pct_missing  first_NA
##          2           2           0          NA
##
## [[1553]]
##          min          max pct_missing  first_NA
##          3           3           0          NA
##
## [[1554]]
##          min          max pct_missing  first_NA
##          4           4           0          NA
##
## [[1555]]
##          min          max pct_missing  first_NA
##          5           5           0          NA
##
## [[1556]]
##          min          max pct_missing  first_NA
##          6           6           0          NA
##
## [[1557]]
##          min          max pct_missing  first_NA
##          7           7           0          NA
##
## [[1558]]
##          min          max pct_missing  first_NA
##          8           8           0          NA
##

```

```

## [[1559]]
##      min      max pct_missing first_NA
##      9        9        0         NA
##
## [[1560]]
##      min      max pct_missing first_NA
##     10       10        0         NA
##
## [[1561]]
##      min      max pct_missing first_NA
##     11       11        0         NA
##
## [[1562]]
##      min      max pct_missing first_NA
##     12       12        0         NA
##
## [[1563]]
##      min      max pct_missing first_NA
##     13       13        0         NA
##
## [[1564]]
##      min      max pct_missing first_NA
##     14       14        0         NA
##
## [[1565]]
##      min      max pct_missing first_NA
##     15       15        0         NA
##
## [[1566]]
##      min      max pct_missing first_NA
##     16       16        0         NA
##
## [[1567]]
##      min      max pct_missing first_NA
##     17       17        0         NA
##
## [[1568]]
##      min      max pct_missing first_NA
##     18       18        0         NA
##
## [[1569]]
##      min      max pct_missing first_NA
##     19       19        0         NA
##
## [[1570]]
##      min      max pct_missing first_NA
##     20       20        0         NA
##
## [[1571]]
##      min      max pct_missing first_NA
##     21       21        0         NA
##
## [[1572]]
##      min      max pct_missing first_NA

```

##	22	22	0	NA
##				
##	[[1573]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[1574]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[1575]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[1576]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[1577]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[1578]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[1579]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[1580]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[1581]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[1582]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[1583]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[1584]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[1585]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				

```

## [[1586]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[1587]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[1588]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[1589]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[1590]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[1591]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[1592]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[1593]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[1594]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[1595]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[1596]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[1597]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[1598]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[1599]]
##      min      max pct_missing first_NA

```

```

##          49          49          0          NA
##
## [[1600]]
##          min          max pct_missing first_NA
##          50          50          0          NA
##
## [[1601]]
##          min          max pct_missing first_NA
##          1          1          0          NA
##
## [[1602]]
##          min          max pct_missing first_NA
##          2          2          0          NA
##
## [[1603]]
##          min          max pct_missing first_NA
##          3          3          0          NA
##
## [[1604]]
##          min          max pct_missing first_NA
##          4          4          0          NA
##
## [[1605]]
##          min          max pct_missing first_NA
##          5          5          0          NA
##
## [[1606]]
##          min          max pct_missing first_NA
##          6          6          0          NA
##
## [[1607]]
##          min          max pct_missing first_NA
##          7          7          0          NA
##
## [[1608]]
##          min          max pct_missing first_NA
##          8          8          0          NA
##
## [[1609]]
##          min          max pct_missing first_NA
##          9          9          0          NA
##
## [[1610]]
##          min          max pct_missing first_NA
##          10         10          0          NA
##
## [[1611]]
##          min          max pct_missing first_NA
##          11         11          0          NA
##
## [[1612]]
##          min          max pct_missing first_NA
##          12         12          0          NA
##

```

```

## [[1613]]
##      min      max pct_missing first_NA
##      13      13          0         NA
##
## [[1614]]
##      min      max pct_missing first_NA
##      14      14          0         NA
##
## [[1615]]
##      min      max pct_missing first_NA
##      15      15          0         NA
##
## [[1616]]
##      min      max pct_missing first_NA
##      16      16          0         NA
##
## [[1617]]
##      min      max pct_missing first_NA
##      17      17          0         NA
##
## [[1618]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[1619]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[1620]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[1621]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[1622]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[1623]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[1624]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[1625]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[1626]]
##      min      max pct_missing first_NA

```

##	26	26	0	NA
##				
##	[[1627]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[1628]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[1629]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[1630]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[1631]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[1632]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[1633]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[1634]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[1635]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[1636]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[1637]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[1638]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[1639]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				



```

## [[1640]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[1641]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[1642]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[1643]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[1644]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[1645]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[1646]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[1647]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[1648]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[1649]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[1650]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[1651]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[1652]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[1653]]
##      min      max pct_missing first_NA

```

##	3	3	0	NA
##				
##	[[1654]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[1655]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[1656]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[1657]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[1658]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[1659]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[1660]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[1661]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[1662]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[1663]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[1664]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[1665]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[1666]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				

```

## [[1667]]
##      min      max pct_missing first_NA
##      17      17          0         NA
##
## [[1668]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[1669]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[1670]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[1671]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[1672]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[1673]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[1674]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[1675]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[1676]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[1677]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[1678]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[1679]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[1680]]
##      min      max pct_missing first_NA

```

##	30	30	0	NA
##				
##	[[1681]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[1682]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[1683]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[1684]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[1685]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[1686]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[1687]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[1688]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[1689]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[1690]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[1691]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[1692]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[1693]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				

```

## [[1694]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[1695]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[1696]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[1697]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[1698]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[1699]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[1700]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[1701]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[1702]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[1703]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[1704]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[1705]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[1706]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[1707]]
##      min      max pct_missing first_NA

```

##	7	7	0	NA
##				
##	[[1708]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[1709]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[1710]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[1711]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[1712]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[1713]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[1714]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[1715]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[1716]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[1717]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[1718]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[1719]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[1720]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				

```

## [[1721]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[1722]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[1723]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[1724]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[1725]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[1726]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[1727]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[1728]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[1729]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[1730]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[1731]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[1732]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[1733]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[1734]]
##      min      max pct_missing first_NA

```

```

##          34          34          0          NA
##
## [[1735]]
##          min          max pct_missing first_NA
##          35          35          0          NA
##
## [[1736]]
##          min          max pct_missing first_NA
##          36          36          0          NA
##
## [[1737]]
##          min          max pct_missing first_NA
##          37          37          0          NA
##
## [[1738]]
##          min          max pct_missing first_NA
##          38          38          0          NA
##
## [[1739]]
##          min          max pct_missing first_NA
##          39          39          0          NA
##
## [[1740]]
##          min          max pct_missing first_NA
##          40          40          0          NA
##
## [[1741]]
##          min          max pct_missing first_NA
##          41          41          0          NA
##
## [[1742]]
##          min          max pct_missing first_NA
##          42          42          0          NA
##
## [[1743]]
##          min          max pct_missing first_NA
##          43          43          0          NA
##
## [[1744]]
##          min          max pct_missing first_NA
##          44          44          0          NA
##
## [[1745]]
##          min          max pct_missing first_NA
##          45          45          0          NA
##
## [[1746]]
##          min          max pct_missing first_NA
##          46          46          0          NA
##
## [[1747]]
##          min          max pct_missing first_NA
##          47          47          0          NA
##

```



```

## [[1748]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[1749]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[1750]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[1751]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[1752]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[1753]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[1754]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[1755]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[1756]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[1757]]
##      min      max pct_missing first_NA
##      7       7          0         NA
##
## [[1758]]
##      min      max pct_missing first_NA
##      8       8          0         NA
##
## [[1759]]
##      min      max pct_missing first_NA
##      9       9          0         NA
##
## [[1760]]
##      min      max pct_missing first_NA
##     10      10          0         NA
##
## [[1761]]
##      min      max pct_missing first_NA

```

```

##          11          11          0          NA
##
## [[1762]]
##          min          max pct_missing  first_NA
##          12          12          0          NA
##
## [[1763]]
##          min          max pct_missing  first_NA
##          13          13          0          NA
##
## [[1764]]
##          min          max pct_missing  first_NA
##          14          14          0          NA
##
## [[1765]]
##          min          max pct_missing  first_NA
##          15          15          0          NA
##
## [[1766]]
##          min          max pct_missing  first_NA
##          16          16          0          NA
##
## [[1767]]
##          min          max pct_missing  first_NA
##          17          17          0          NA
##
## [[1768]]
##          min          max pct_missing  first_NA
##          18          18          0          NA
##
## [[1769]]
##          min          max pct_missing  first_NA
##          19          19          0          NA
##
## [[1770]]
##          min          max pct_missing  first_NA
##          20          20          0          NA
##
## [[1771]]
##          min          max pct_missing  first_NA
##          21          21          0          NA
##
## [[1772]]
##          min          max pct_missing  first_NA
##          22          22          0          NA
##
## [[1773]]
##          min          max pct_missing  first_NA
##          23          23          0          NA
##
## [[1774]]
##          min          max pct_missing  first_NA
##          24          24          0          NA
##

```

```

## [[1775]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[1776]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[1777]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[1778]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[1779]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[1780]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[1781]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[1782]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[1783]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[1784]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[1785]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[1786]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[1787]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[1788]]
##      min      max pct_missing first_NA

```

##	38	38	0	NA
##				
##	[[1789]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[1790]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[1791]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[1792]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[1793]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[1794]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[1795]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[1796]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[1797]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[1798]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[1799]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[1800]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[1801]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				

```

## [[1802]]
##      min      max pct_missing first_NA
##      2        2          0         NA
##
## [[1803]]
##      min      max pct_missing first_NA
##      3        3          0         NA
##
## [[1804]]
##      min      max pct_missing first_NA
##      4        4          0         NA
##
## [[1805]]
##      min      max pct_missing first_NA
##      5        5          0         NA
##
## [[1806]]
##      min      max pct_missing first_NA
##      6        6          0         NA
##
## [[1807]]
##      min      max pct_missing first_NA
##      7        7          0         NA
##
## [[1808]]
##      min      max pct_missing first_NA
##      8        8          0         NA
##
## [[1809]]
##      min      max pct_missing first_NA
##      9        9          0         NA
##
## [[1810]]
##      min      max pct_missing first_NA
##     10       10          0         NA
##
## [[1811]]
##      min      max pct_missing first_NA
##     11       11          0         NA
##
## [[1812]]
##      min      max pct_missing first_NA
##     12       12          0         NA
##
## [[1813]]
##      min      max pct_missing first_NA
##     13       13          0         NA
##
## [[1814]]
##      min      max pct_missing first_NA
##     14       14          0         NA
##
## [[1815]]
##      min      max pct_missing first_NA

```

##	15	15	0	NA
##				
##	[[1816]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[1817]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[1818]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[1819]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[1820]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[1821]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[1822]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[1823]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[1824]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[1825]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[1826]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[1827]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[1828]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				

```

## [[1829]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[1830]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[1831]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[1832]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[1833]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[1834]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[1835]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[1836]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[1837]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[1838]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[1839]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[1840]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[1841]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[1842]]
##      min      max pct_missing first_NA

```

##	42	42	0	NA
##				
##	[[1843]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[1844]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[1845]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[1846]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[1847]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[1848]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[1849]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[1850]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[1851]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[1852]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				
##	[[1853]]			
##	min	max	pct_missing	first_NA
##	3	3	0	NA
##				
##	[[1854]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[1855]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				



```

## [[1856]]
##      min      max pct_missing first_NA
##      6        6          0         NA
##
## [[1857]]
##      min      max pct_missing first_NA
##      7        7          0         NA
##
## [[1858]]
##      min      max pct_missing first_NA
##      8        8          0         NA
##
## [[1859]]
##      min      max pct_missing first_NA
##      9        9          0         NA
##
## [[1860]]
##      min      max pct_missing first_NA
##     10       10          0         NA
##
## [[1861]]
##      min      max pct_missing first_NA
##     11       11          0         NA
##
## [[1862]]
##      min      max pct_missing first_NA
##     12       12          0         NA
##
## [[1863]]
##      min      max pct_missing first_NA
##     13       13          0         NA
##
## [[1864]]
##      min      max pct_missing first_NA
##     14       14          0         NA
##
## [[1865]]
##      min      max pct_missing first_NA
##     15       15          0         NA
##
## [[1866]]
##      min      max pct_missing first_NA
##     16       16          0         NA
##
## [[1867]]
##      min      max pct_missing first_NA
##     17       17          0         NA
##
## [[1868]]
##      min      max pct_missing first_NA
##     18       18          0         NA
##
## [[1869]]
##      min      max pct_missing first_NA

```

##	19	19	0	NA
##				
##	[[1870]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[1871]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[1872]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[1873]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[1874]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[1875]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[1876]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[1877]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[1878]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[1879]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[1880]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[1881]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[1882]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				

```

## [[1883]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[1884]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[1885]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[1886]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[1887]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[1888]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[1889]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[1890]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[1891]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[1892]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[1893]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[1894]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[1895]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[1896]]
##      min      max pct_missing first_NA

```

##	46	46	0	NA
##				
##	[[1897]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[1898]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[1899]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[1900]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[1901]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[1902]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				
##	[[1903]]			
##	min	max	pct_missing	first_NA
##	3	3	0	NA
##				
##	[[1904]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[1905]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[1906]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[1907]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[1908]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[1909]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				

```

## [[1910]]
##      min      max pct_missing first_NA
##      10      10         0         NA
##
## [[1911]]
##      min      max pct_missing first_NA
##      11      11         0         NA
##
## [[1912]]
##      min      max pct_missing first_NA
##      12      12         0         NA
##
## [[1913]]
##      min      max pct_missing first_NA
##      13      13         0         NA
##
## [[1914]]
##      min      max pct_missing first_NA
##      14      14         0         NA
##
## [[1915]]
##      min      max pct_missing first_NA
##      15      15         0         NA
##
## [[1916]]
##      min      max pct_missing first_NA
##      16      16         0         NA
##
## [[1917]]
##      min      max pct_missing first_NA
##      17      17         0         NA
##
## [[1918]]
##      min      max pct_missing first_NA
##      18      18         0         NA
##
## [[1919]]
##      min      max pct_missing first_NA
##      19      19         0         NA
##
## [[1920]]
##      min      max pct_missing first_NA
##      20      20         0         NA
##
## [[1921]]
##      min      max pct_missing first_NA
##      21      21         0         NA
##
## [[1922]]
##      min      max pct_missing first_NA
##      22      22         0         NA
##
## [[1923]]
##      min      max pct_missing first_NA

```

##	23	23	0	NA
##				
##	[[1924]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[1925]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[1926]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[1927]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[1928]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[1929]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[1930]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[1931]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[1932]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[1933]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[1934]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[1935]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[1936]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				

```

## [[1937]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[1938]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[1939]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[1940]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[1941]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[1942]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[1943]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[1944]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[1945]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[1946]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[1947]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[1948]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[1949]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[1950]]
##      min      max pct_missing first_NA

```

```

##          50          50          0          NA
##
## [[1951]]
##          min          max pct_missing first_NA
##          1          1          0          NA
##
## [[1952]]
##          min          max pct_missing first_NA
##          2          2          0          NA
##
## [[1953]]
##          min          max pct_missing first_NA
##          3          3          0          NA
##
## [[1954]]
##          min          max pct_missing first_NA
##          4          4          0          NA
##
## [[1955]]
##          min          max pct_missing first_NA
##          5          5          0          NA
##
## [[1956]]
##          min          max pct_missing first_NA
##          6          6          0          NA
##
## [[1957]]
##          min          max pct_missing first_NA
##          7          7          0          NA
##
## [[1958]]
##          min          max pct_missing first_NA
##          8          8          0          NA
##
## [[1959]]
##          min          max pct_missing first_NA
##          9          9          0          NA
##
## [[1960]]
##          min          max pct_missing first_NA
##          10         10          0          NA
##
## [[1961]]
##          min          max pct_missing first_NA
##          11         11          0          NA
##
## [[1962]]
##          min          max pct_missing first_NA
##          12         12          0          NA
##
## [[1963]]
##          min          max pct_missing first_NA
##          13         13          0          NA
##

```



```

## [[1964]]
##      min      max pct_missing first_NA
##      14      14          0         NA
##
## [[1965]]
##      min      max pct_missing first_NA
##      15      15          0         NA
##
## [[1966]]
##      min      max pct_missing first_NA
##      16      16          0         NA
##
## [[1967]]
##      min      max pct_missing first_NA
##      17      17          0         NA
##
## [[1968]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[1969]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[1970]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[1971]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[1972]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[1973]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[1974]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[1975]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[1976]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[1977]]
##      min      max pct_missing first_NA

```

```

##          27          27          0          NA
##
## [[1978]]
##          min          max pct_missing first_NA
##          28          28          0          NA
##
## [[1979]]
##          min          max pct_missing first_NA
##          29          29          0          NA
##
## [[1980]]
##          min          max pct_missing first_NA
##          30          30          0          NA
##
## [[1981]]
##          min          max pct_missing first_NA
##          31          31          0          NA
##
## [[1982]]
##          min          max pct_missing first_NA
##          32          32          0          NA
##
## [[1983]]
##          min          max pct_missing first_NA
##          33          33          0          NA
##
## [[1984]]
##          min          max pct_missing first_NA
##          34          34          0          NA
##
## [[1985]]
##          min          max pct_missing first_NA
##          35          35          0          NA
##
## [[1986]]
##          min          max pct_missing first_NA
##          36          36          0          NA
##
## [[1987]]
##          min          max pct_missing first_NA
##          37          37          0          NA
##
## [[1988]]
##          min          max pct_missing first_NA
##          38          38          0          NA
##
## [[1989]]
##          min          max pct_missing first_NA
##          39          39          0          NA
##
## [[1990]]
##          min          max pct_missing first_NA
##          40          40          0          NA
##

```

```

## [[1991]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[1992]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[1993]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[1994]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[1995]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[1996]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[1997]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[1998]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[1999]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[2000]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[2001]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[2002]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[2003]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[2004]]
##      min      max pct_missing first_NA

```

##	4	4	0	NA
##				
##	[[2005]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[2006]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[2007]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[2008]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[2009]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[2010]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[2011]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[2012]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[2013]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[2014]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[2015]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[2016]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[2017]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				

```

## [[2018]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[2019]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[2020]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[2021]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[2022]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[2023]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[2024]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[2025]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[2026]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[2027]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[2028]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[2029]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[2030]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[2031]]
##      min      max pct_missing first_NA

```

```

##          31          31          0          NA
##
## [[2032]]
##          min          max pct_missing first_NA
##          32          32          0          NA
##
## [[2033]]
##          min          max pct_missing first_NA
##          33          33          0          NA
##
## [[2034]]
##          min          max pct_missing first_NA
##          34          34          0          NA
##
## [[2035]]
##          min          max pct_missing first_NA
##          35          35          0          NA
##
## [[2036]]
##          min          max pct_missing first_NA
##          36          36          0          NA
##
## [[2037]]
##          min          max pct_missing first_NA
##          37          37          0          NA
##
## [[2038]]
##          min          max pct_missing first_NA
##          38          38          0          NA
##
## [[2039]]
##          min          max pct_missing first_NA
##          39          39          0          NA
##
## [[2040]]
##          min          max pct_missing first_NA
##          40          40          0          NA
##
## [[2041]]
##          min          max pct_missing first_NA
##          41          41          0          NA
##
## [[2042]]
##          min          max pct_missing first_NA
##          42          42          0          NA
##
## [[2043]]
##          min          max pct_missing first_NA
##          43          43          0          NA
##
## [[2044]]
##          min          max pct_missing first_NA
##          44          44          0          NA
##

```

```

## [[2045]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[2046]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[2047]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[2048]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[2049]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[2050]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[2051]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[2052]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[2053]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[2054]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[2055]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[2056]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[2057]]
##      min      max pct_missing first_NA
##      7       7          0         NA
##
## [[2058]]
##      min      max pct_missing first_NA

```

##	8	8	0	NA
##				
##	[[2059]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[2060]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[2061]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[2062]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[2063]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[2064]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[2065]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[2066]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[2067]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[2068]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[2069]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[2070]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[2071]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				



```

## [[2072]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[2073]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[2074]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[2075]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[2076]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[2077]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[2078]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[2079]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[2080]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[2081]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[2082]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[2083]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[2084]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[2085]]
##      min      max pct_missing first_NA

```

##	35	35	0	NA
##				
##	[[2086]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[2087]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[2088]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[2089]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[2090]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[2091]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[2092]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[2093]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[2094]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[2095]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[2096]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[2097]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[2098]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				

```

## [[2099]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[2100]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[2101]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[2102]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[2103]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[2104]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[2105]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[2106]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[2107]]
##      min      max pct_missing first_NA
##      7       7          0         NA
##
## [[2108]]
##      min      max pct_missing first_NA
##      8       8          0         NA
##
## [[2109]]
##      min      max pct_missing first_NA
##      9       9          0         NA
##
## [[2110]]
##      min      max pct_missing first_NA
##     10      10          0         NA
##
## [[2111]]
##      min      max pct_missing first_NA
##     11      11          0         NA
##
## [[2112]]
##      min      max pct_missing first_NA

```

##	12	12	0	NA
##				
##	[[2113]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[2114]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[2115]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[2116]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[2117]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[2118]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[2119]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[2120]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[2121]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[2122]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[2123]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[2124]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[2125]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				

```

## [[2126]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[2127]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[2128]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[2129]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[2130]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[2131]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[2132]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[2133]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[2134]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[2135]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[2136]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[2137]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[2138]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[2139]]
##      min      max pct_missing first_NA

```

##	39	39	0	NA
##				
##	[[2140]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[2141]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[2142]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[2143]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[2144]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[2145]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[2146]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[2147]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[2148]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[2149]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[2150]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[2151]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[2152]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				

```

## [[2153]]
##      min      max pct_missing first_NA
##      3        3          0         NA
##
## [[2154]]
##      min      max pct_missing first_NA
##      4        4          0         NA
##
## [[2155]]
##      min      max pct_missing first_NA
##      5        5          0         NA
##
## [[2156]]
##      min      max pct_missing first_NA
##      6        6          0         NA
##
## [[2157]]
##      min      max pct_missing first_NA
##      7        7          0         NA
##
## [[2158]]
##      min      max pct_missing first_NA
##      8        8          0         NA
##
## [[2159]]
##      min      max pct_missing first_NA
##      9        9          0         NA
##
## [[2160]]
##      min      max pct_missing first_NA
##     10       10          0         NA
##
## [[2161]]
##      min      max pct_missing first_NA
##     11       11          0         NA
##
## [[2162]]
##      min      max pct_missing first_NA
##     12       12          0         NA
##
## [[2163]]
##      min      max pct_missing first_NA
##     13       13          0         NA
##
## [[2164]]
##      min      max pct_missing first_NA
##     14       14          0         NA
##
## [[2165]]
##      min      max pct_missing first_NA
##     15       15          0         NA
##
## [[2166]]
##      min      max pct_missing first_NA

```

##	16	16	0	NA
##				
##	[[2167]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[2168]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[2169]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[2170]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[2171]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[2172]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[2173]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[2174]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[2175]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[2176]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[2177]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[2178]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[2179]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				



```

## [[2180]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[2181]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[2182]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[2183]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[2184]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[2185]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[2186]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[2187]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[2188]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[2189]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[2190]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[2191]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[2192]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[2193]]
##      min      max pct_missing first_NA

```

##	43	43	0	NA
##				
##	[[2194]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[2195]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[2196]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[2197]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[2198]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[2199]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[2200]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[2201]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[2202]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				
##	[[2203]]			
##	min	max	pct_missing	first_NA
##	3	3	0	NA
##				
##	[[2204]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[2205]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[2206]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				

```

## [[2207]]
##      min      max pct_missing first_NA
##      7        7        0         NA
##
## [[2208]]
##      min      max pct_missing first_NA
##      8        8        0         NA
##
## [[2209]]
##      min      max pct_missing first_NA
##      9        9        0         NA
##
## [[2210]]
##      min      max pct_missing first_NA
##     10       10        0         NA
##
## [[2211]]
##      min      max pct_missing first_NA
##     11       11        0         NA
##
## [[2212]]
##      min      max pct_missing first_NA
##     12       12        0         NA
##
## [[2213]]
##      min      max pct_missing first_NA
##     13       13        0         NA
##
## [[2214]]
##      min      max pct_missing first_NA
##     14       14        0         NA
##
## [[2215]]
##      min      max pct_missing first_NA
##     15       15        0         NA
##
## [[2216]]
##      min      max pct_missing first_NA
##     16       16        0         NA
##
## [[2217]]
##      min      max pct_missing first_NA
##     17       17        0         NA
##
## [[2218]]
##      min      max pct_missing first_NA
##     18       18        0         NA
##
## [[2219]]
##      min      max pct_missing first_NA
##     19       19        0         NA
##
## [[2220]]
##      min      max pct_missing first_NA

```

##	20	20	0	NA
##				
##	[[2221]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[2222]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[2223]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[2224]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[2225]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[2226]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[2227]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[2228]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[2229]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[2230]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[2231]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[2232]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[2233]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				

```

## [[2234]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[2235]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[2236]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[2237]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[2238]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[2239]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[2240]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[2241]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[2242]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[2243]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[2244]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[2245]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[2246]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[2247]]
##      min      max pct_missing first_NA

```

##	47	47	0	NA
##				
##	[[2248]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[2249]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				
##	[[2250]]			
##	min	max	pct_missing	first_NA
##	50	50	0	NA
##				
##	[[2251]]			
##	min	max	pct_missing	first_NA
##	1	1	0	NA
##				
##	[[2252]]			
##	min	max	pct_missing	first_NA
##	2	2	0	NA
##				
##	[[2253]]			
##	min	max	pct_missing	first_NA
##	3	3	0	NA
##				
##	[[2254]]			
##	min	max	pct_missing	first_NA
##	4	4	0	NA
##				
##	[[2255]]			
##	min	max	pct_missing	first_NA
##	5	5	0	NA
##				
##	[[2256]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[2257]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[2258]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[2259]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[2260]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				

```

## [[2261]]
##      min      max pct_missing first_NA
##      11      11          0         NA
##
## [[2262]]
##      min      max pct_missing first_NA
##      12      12          0         NA
##
## [[2263]]
##      min      max pct_missing first_NA
##      13      13          0         NA
##
## [[2264]]
##      min      max pct_missing first_NA
##      14      14          0         NA
##
## [[2265]]
##      min      max pct_missing first_NA
##      15      15          0         NA
##
## [[2266]]
##      min      max pct_missing first_NA
##      16      16          0         NA
##
## [[2267]]
##      min      max pct_missing first_NA
##      17      17          0         NA
##
## [[2268]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[2269]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[2270]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[2271]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[2272]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[2273]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[2274]]
##      min      max pct_missing first_NA

```

##	24	24	0	NA
##				
##	[[2275]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[2276]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				
##	[[2277]]			
##	min	max	pct_missing	first_NA
##	27	27	0	NA
##				
##	[[2278]]			
##	min	max	pct_missing	first_NA
##	28	28	0	NA
##				
##	[[2279]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[2280]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[2281]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[2282]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[2283]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[2284]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[2285]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[2286]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[2287]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				



```

## [[2288]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[2289]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[2290]]
##      min      max pct_missing first_NA
##      40      40          0         NA
##
## [[2291]]
##      min      max pct_missing first_NA
##      41      41          0         NA
##
## [[2292]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[2293]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[2294]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[2295]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[2296]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[2297]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[2298]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[2299]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[2300]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[2301]]
##      min      max pct_missing first_NA

```

```

##          1          1          0          NA
##
## [[2302]]
##          min          max pct_missing  first_NA
##          2          2          0          NA
##
## [[2303]]
##          min          max pct_missing  first_NA
##          3          3          0          NA
##
## [[2304]]
##          min          max pct_missing  first_NA
##          4          4          0          NA
##
## [[2305]]
##          min          max pct_missing  first_NA
##          5          5          0          NA
##
## [[2306]]
##          min          max pct_missing  first_NA
##          6          6          0          NA
##
## [[2307]]
##          min          max pct_missing  first_NA
##          7          7          0          NA
##
## [[2308]]
##          min          max pct_missing  first_NA
##          8          8          0          NA
##
## [[2309]]
##          min          max pct_missing  first_NA
##          9          9          0          NA
##
## [[2310]]
##          min          max pct_missing  first_NA
##         10         10          0          NA
##
## [[2311]]
##          min          max pct_missing  first_NA
##         11         11          0          NA
##
## [[2312]]
##          min          max pct_missing  first_NA
##         12         12          0          NA
##
## [[2313]]
##          min          max pct_missing  first_NA
##         13         13          0          NA
##
## [[2314]]
##          min          max pct_missing  first_NA
##         14         14          0          NA
##

```

```

## [[2315]]
##      min      max pct_missing first_NA
##      15      15          0         NA
##
## [[2316]]
##      min      max pct_missing first_NA
##      16      16          0         NA
##
## [[2317]]
##      min      max pct_missing first_NA
##      17      17          0         NA
##
## [[2318]]
##      min      max pct_missing first_NA
##      18      18          0         NA
##
## [[2319]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[2320]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[2321]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[2322]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[2323]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[2324]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[2325]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[2326]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[2327]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[2328]]
##      min      max pct_missing first_NA

```

##	28	28	0	NA
##				
##	[[2329]]			
##	min	max	pct_missing	first_NA
##	29	29	0	NA
##				
##	[[2330]]			
##	min	max	pct_missing	first_NA
##	30	30	0	NA
##				
##	[[2331]]			
##	min	max	pct_missing	first_NA
##	31	31	0	NA
##				
##	[[2332]]			
##	min	max	pct_missing	first_NA
##	32	32	0	NA
##				
##	[[2333]]			
##	min	max	pct_missing	first_NA
##	33	33	0	NA
##				
##	[[2334]]			
##	min	max	pct_missing	first_NA
##	34	34	0	NA
##				
##	[[2335]]			
##	min	max	pct_missing	first_NA
##	35	35	0	NA
##				
##	[[2336]]			
##	min	max	pct_missing	first_NA
##	36	36	0	NA
##				
##	[[2337]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[2338]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[2339]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[2340]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[2341]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				

```

## [[2342]]
##      min      max pct_missing first_NA
##      42      42          0         NA
##
## [[2343]]
##      min      max pct_missing first_NA
##      43      43          0         NA
##
## [[2344]]
##      min      max pct_missing first_NA
##      44      44          0         NA
##
## [[2345]]
##      min      max pct_missing first_NA
##      45      45          0         NA
##
## [[2346]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[2347]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[2348]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[2349]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[2350]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[2351]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[2352]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[2353]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[2354]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[2355]]
##      min      max pct_missing first_NA

```

##	5	5	0	NA
##				
##	[[2356]]			
##	min	max	pct_missing	first_NA
##	6	6	0	NA
##				
##	[[2357]]			
##	min	max	pct_missing	first_NA
##	7	7	0	NA
##				
##	[[2358]]			
##	min	max	pct_missing	first_NA
##	8	8	0	NA
##				
##	[[2359]]			
##	min	max	pct_missing	first_NA
##	9	9	0	NA
##				
##	[[2360]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[2361]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[2362]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[2363]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[2364]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[2365]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[2366]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[2367]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[2368]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				

```

## [[2369]]
##      min      max pct_missing first_NA
##      19      19          0         NA
##
## [[2370]]
##      min      max pct_missing first_NA
##      20      20          0         NA
##
## [[2371]]
##      min      max pct_missing first_NA
##      21      21          0         NA
##
## [[2372]]
##      min      max pct_missing first_NA
##      22      22          0         NA
##
## [[2373]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[2374]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[2375]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[2376]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[2377]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[2378]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[2379]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[2380]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[2381]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[2382]]
##      min      max pct_missing first_NA

```

```

##          32          32          0          NA
##
## [[2383]]
##          min          max pct_missing first_NA
##          33          33          0          NA
##
## [[2384]]
##          min          max pct_missing first_NA
##          34          34          0          NA
##
## [[2385]]
##          min          max pct_missing first_NA
##          35          35          0          NA
##
## [[2386]]
##          min          max pct_missing first_NA
##          36          36          0          NA
##
## [[2387]]
##          min          max pct_missing first_NA
##          37          37          0          NA
##
## [[2388]]
##          min          max pct_missing first_NA
##          38          38          0          NA
##
## [[2389]]
##          min          max pct_missing first_NA
##          39          39          0          NA
##
## [[2390]]
##          min          max pct_missing first_NA
##          40          40          0          NA
##
## [[2391]]
##          min          max pct_missing first_NA
##          41          41          0          NA
##
## [[2392]]
##          min          max pct_missing first_NA
##          42          42          0          NA
##
## [[2393]]
##          min          max pct_missing first_NA
##          43          43          0          NA
##
## [[2394]]
##          min          max pct_missing first_NA
##          44          44          0          NA
##
## [[2395]]
##          min          max pct_missing first_NA
##          45          45          0          NA
##

```



```

## [[2396]]
##      min      max pct_missing first_NA
##      46      46          0         NA
##
## [[2397]]
##      min      max pct_missing first_NA
##      47      47          0         NA
##
## [[2398]]
##      min      max pct_missing first_NA
##      48      48          0         NA
##
## [[2399]]
##      min      max pct_missing first_NA
##      49      49          0         NA
##
## [[2400]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[2401]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[2402]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[2403]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[2404]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[2405]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[2406]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[2407]]
##      min      max pct_missing first_NA
##      7       7          0         NA
##
## [[2408]]
##      min      max pct_missing first_NA
##      8       8          0         NA
##
## [[2409]]
##      min      max pct_missing first_NA

```

##	9	9	0	NA
##				
##	[[2410]]			
##	min	max	pct_missing	first_NA
##	10	10	0	NA
##				
##	[[2411]]			
##	min	max	pct_missing	first_NA
##	11	11	0	NA
##				
##	[[2412]]			
##	min	max	pct_missing	first_NA
##	12	12	0	NA
##				
##	[[2413]]			
##	min	max	pct_missing	first_NA
##	13	13	0	NA
##				
##	[[2414]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[2415]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[2416]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[2417]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[2418]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[2419]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[2420]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[2421]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[2422]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				

```

## [[2423]]
##      min      max pct_missing first_NA
##      23      23          0         NA
##
## [[2424]]
##      min      max pct_missing first_NA
##      24      24          0         NA
##
## [[2425]]
##      min      max pct_missing first_NA
##      25      25          0         NA
##
## [[2426]]
##      min      max pct_missing first_NA
##      26      26          0         NA
##
## [[2427]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[2428]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[2429]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[2430]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[2431]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[2432]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[2433]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[2434]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[2435]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[2436]]
##      min      max pct_missing first_NA

```

##	36	36	0	NA
##				
##	[[2437]]			
##	min	max	pct_missing	first_NA
##	37	37	0	NA
##				
##	[[2438]]			
##	min	max	pct_missing	first_NA
##	38	38	0	NA
##				
##	[[2439]]			
##	min	max	pct_missing	first_NA
##	39	39	0	NA
##				
##	[[2440]]			
##	min	max	pct_missing	first_NA
##	40	40	0	NA
##				
##	[[2441]]			
##	min	max	pct_missing	first_NA
##	41	41	0	NA
##				
##	[[2442]]			
##	min	max	pct_missing	first_NA
##	42	42	0	NA
##				
##	[[2443]]			
##	min	max	pct_missing	first_NA
##	43	43	0	NA
##				
##	[[2444]]			
##	min	max	pct_missing	first_NA
##	44	44	0	NA
##				
##	[[2445]]			
##	min	max	pct_missing	first_NA
##	45	45	0	NA
##				
##	[[2446]]			
##	min	max	pct_missing	first_NA
##	46	46	0	NA
##				
##	[[2447]]			
##	min	max	pct_missing	first_NA
##	47	47	0	NA
##				
##	[[2448]]			
##	min	max	pct_missing	first_NA
##	48	48	0	NA
##				
##	[[2449]]			
##	min	max	pct_missing	first_NA
##	49	49	0	NA
##				

```

## [[2450]]
##      min      max pct_missing first_NA
##      50      50          0         NA
##
## [[2451]]
##      min      max pct_missing first_NA
##      1       1          0         NA
##
## [[2452]]
##      min      max pct_missing first_NA
##      2       2          0         NA
##
## [[2453]]
##      min      max pct_missing first_NA
##      3       3          0         NA
##
## [[2454]]
##      min      max pct_missing first_NA
##      4       4          0         NA
##
## [[2455]]
##      min      max pct_missing first_NA
##      5       5          0         NA
##
## [[2456]]
##      min      max pct_missing first_NA
##      6       6          0         NA
##
## [[2457]]
##      min      max pct_missing first_NA
##      7       7          0         NA
##
## [[2458]]
##      min      max pct_missing first_NA
##      8       8          0         NA
##
## [[2459]]
##      min      max pct_missing first_NA
##      9       9          0         NA
##
## [[2460]]
##      min      max pct_missing first_NA
##     10      10          0         NA
##
## [[2461]]
##      min      max pct_missing first_NA
##     11      11          0         NA
##
## [[2462]]
##      min      max pct_missing first_NA
##     12      12          0         NA
##
## [[2463]]
##      min      max pct_missing first_NA

```

##	13	13	0	NA
##				
##	[[2464]]			
##	min	max	pct_missing	first_NA
##	14	14	0	NA
##				
##	[[2465]]			
##	min	max	pct_missing	first_NA
##	15	15	0	NA
##				
##	[[2466]]			
##	min	max	pct_missing	first_NA
##	16	16	0	NA
##				
##	[[2467]]			
##	min	max	pct_missing	first_NA
##	17	17	0	NA
##				
##	[[2468]]			
##	min	max	pct_missing	first_NA
##	18	18	0	NA
##				
##	[[2469]]			
##	min	max	pct_missing	first_NA
##	19	19	0	NA
##				
##	[[2470]]			
##	min	max	pct_missing	first_NA
##	20	20	0	NA
##				
##	[[2471]]			
##	min	max	pct_missing	first_NA
##	21	21	0	NA
##				
##	[[2472]]			
##	min	max	pct_missing	first_NA
##	22	22	0	NA
##				
##	[[2473]]			
##	min	max	pct_missing	first_NA
##	23	23	0	NA
##				
##	[[2474]]			
##	min	max	pct_missing	first_NA
##	24	24	0	NA
##				
##	[[2475]]			
##	min	max	pct_missing	first_NA
##	25	25	0	NA
##				
##	[[2476]]			
##	min	max	pct_missing	first_NA
##	26	26	0	NA
##				

```

## [[2477]]
##      min      max pct_missing first_NA
##      27      27          0         NA
##
## [[2478]]
##      min      max pct_missing first_NA
##      28      28          0         NA
##
## [[2479]]
##      min      max pct_missing first_NA
##      29      29          0         NA
##
## [[2480]]
##      min      max pct_missing first_NA
##      30      30          0         NA
##
## [[2481]]
##      min      max pct_missing first_NA
##      31      31          0         NA
##
## [[2482]]
##      min      max pct_missing first_NA
##      32      32          0         NA
##
## [[2483]]
##      min      max pct_missing first_NA
##      33      33          0         NA
##
## [[2484]]
##      min      max pct_missing first_NA
##      34      34          0         NA
##
## [[2485]]
##      min      max pct_missing first_NA
##      35      35          0         NA
##
## [[2486]]
##      min      max pct_missing first_NA
##      36      36          0         NA
##
## [[2487]]
##      min      max pct_missing first_NA
##      37      37          0         NA
##
## [[2488]]
##      min      max pct_missing first_NA
##      38      38          0         NA
##
## [[2489]]
##      min      max pct_missing first_NA
##      39      39          0         NA
##
## [[2490]]
##      min      max pct_missing first_NA

```

```
##          40          40          0          NA
##
## [[2491]]
##          min          max pct_missing  first_NA
##          41          41          0          NA
##
## [[2492]]
##          min          max pct_missing  first_NA
##          42          42          0          NA
##
## [[2493]]
##          min          max pct_missing  first_NA
##          43          43          0          NA
##
## [[2494]]
##          min          max pct_missing  first_NA
##          44          44          0          NA
##
## [[2495]]
##          min          max pct_missing  first_NA
##          45          45          0          NA
##
## [[2496]]
##          min          max pct_missing  first_NA
##          46          46          0          NA
##
## [[2497]]
##          min          max pct_missing  first_NA
##          47          47          0          NA
##
## [[2498]]
##          min          max pct_missing  first_NA
##          48          48          0          NA
##
## [[2499]]
##          min          max pct_missing  first_NA
##          49          49          0          NA
##
## [[2500]]
##          min          max pct_missing  first_NA
##          50          50          0          NA
```

- Set a seed and then create a vector `v` consisting of a sample of 1,000 iid normal realizations with mean -10 and variance 100.

```
set.seed(123)
v = rnorm(1000, -10, 100)
```

- Repeat this exercise by resetting the seed to ensure you obtain the same results.

```
set.seed(123)
v_copy = rnorm(1000,-10,100)
```



- Find the average of `v` and the standard error of `v`.

```
v_average = mean(v)
v_error = sd(v)/sqrt(length(v))
```

- Find the 5%ile of `v` and use the `qnorm` function to compute what it theoretically should be. Is the estimate about what is expected by theory?

```
qnorm(p=0.05, mean=v_average, sd=sd(v))
```

```
## [1] -171.50652128
```

- What is the percentile of `v` that corresponds to the value 0? What should it be theoretically? Is the estimate about what is expected by theory?

```
#TO-DO
```