Assignment 1

Team 6

2023-02-09

```
library(dplyr)
## Attaching package: 'dplyr'
## The following objects are masked from 'package:stats':
##
##
      filter, lag
## The following objects are masked from 'package:base':
##
##
      intersect, setdiff, setequal, union
library(tidyverse)
## -- Attaching packages ------ tidyverse 1.3.2
## --
## v ggplot2 3.4.0 v purrr 1.0.1 ## v tibble 3.1.8 v stringr 1.5.0
## v tidyr 1.3.0 v forcats 1.0.0
## v readr
           2.1.3
## -- Conflicts -----
                                            ## x dplyr::filter() masks stats::filter()
## x dplyr::lag() masks stats::lag()
library(lattice)
SP <-read.csv("C:/Users/ritikaa/Desktop/data set for R/StudentsPerformance.csv")
\#print the structure of the dataset
str(SP)
## 'data.frame':
                  1000 obs. of 8 variables:
## $ gender
                               : chr "female" "female" "female" "male" ...
## $ race.ethnicity
                               : chr "group B" "group C" "group B" "group A" ...
## $ parental.level.of.education: chr "bachelor's degree" "some college" "master's degree" "associate
```

```
## $ lunch : chr "standard" "standard" "standard" "free/reduced" ...
## $ test.preparation.course : chr "none" "completed" "none" "none" ...
## $ math.score : int 72 69 90 47 76 71 88 40 64 38 ...
## $ reading.score : int 72 90 95 57 78 83 95 43 64 60 ...
## $ writing.score : int 74 88 93 44 75 78 92 39 67 50 ...
```

#all the variables in the dataset

names(SP)

```
## [1] "gender" "race.ethnicity"
## [3] "parental.level.of.education" "lunch"
## [5] "test.preparation.course" "math.score"
## [7] "reading.score" "writing.score"
```

#first 15 rows

head(SP, 15)

##		•	race.ethnicity pa	arental.leve	el.of.education	
##	1	female	group B	bac	chelor's degree	standard
##	2	female	group C		some college	standard
##	3	female	group B		naster's degree	
##	4	${\tt male}$	group A	asso	ociate's degree	free/reduced
##	5	${\tt male}$	group C		some college	standard
##	6	female	group B	asso	ociate's degree	
##	7	female	group B		some college	standard
##	8	${\tt male}$	group B		some college	free/reduced
##	9	male	group D		high school	free/reduced
##	10	female	group B		high school	free/reduced
##	11	male	group C		ciate's degree	
##	12	male	group D	asso	ciate's degree	standard
##	13	female	group B		high school	standard
##	14	male	group A		some college	standard
##	15	female	group A	r	naster's degree	${ t standard}$
					•	
##		test.p	reparation.course		_	
## ##	1	test.pr			reading.score 72	
	1 2	test.p	reparation.course	math.score	_	writing.score
## ##	_	test.p	reparation.course none	math.score 72	72 90 95	writing.score 74
## ## ##	2 3 4	test.p	reparation.course none completed	math.score 72 69	72 90 95 57	writing.score 74 88 93 44
## ## ##	2	test.pn	reparation.course none completed none	math.score 72 69 90	72 90 95	writing.score 74 88 93
## ## ## ##	2 3 4	test.p	reparation.course none completed none none	math.score 72 69 90 47 76 71	72 90 95 57 78 83	writing.score 74 88 93 44 75 78
## ## ## ##	2 3 4 5 6 7	test.pi	reparation.course none completed none none	math.score 72 69 90 47 76 71 88	72 90 95 57 78 83 95	writing.score 74 88 93 44 75 78
## ## ## ## ##	2 3 4 5 6 7 8	test.pi	reparation.course none completed none none none completed none	math.score 72 69 90 47 76 71 88 40	72 90 95 57 78 83 95 43	writing.score 74 88 93 44 75 78 92 39
## ## ## ## ##	2 3 4 5 6 7	test.p	reparation.course none completed none none none completed	math.score 72 69 90 47 76 71 88	72 90 95 57 78 83 95	writing.score 74 88 93 44 75 78
## ## ## ## ## ##	2 3 4 5 6 7 8	test.p	reparation.course none completed none none none completed none	math.score 72 69 90 47 76 71 88 40 64	72 90 95 57 78 83 95 43	writing.score 74 88 93 44 75 78 92 39 67 50
## ## ## ## ## ##	2 3 4 5 6 7 8	test.p	reparation.course none completed none none none completed none completed completed	math.score 72 69 90 47 76 71 88 40 64	72 90 95 57 78 83 95 43 64 60 54	writing.score 74 88 93 44 75 78 92 39 67
## ## ## ## ## ## ##	2 3 4 5 6 7 8 9	test.pi	reparation.course none completed none none none completed none completed none completed none	math.score 72 69 90 47 76 71 88 40 64	72 90 95 57 78 83 95 43 64	writing.score 74 88 93 44 75 78 92 39 67 50
## ## ## ## ## ## ## ## ##	2 3 4 5 6 7 8 9 10 11	test.pi	reparation.course none completed none none none completed none completed none completed none none	math.score 72 69 90 47 76 71 88 40 64 38	72 90 95 57 78 83 95 43 64 60 54 52	writing.score 74 88 93 44 75 78 92 39 67 50 52
## ## ## ## ## ## ## ## ##	2 3 4 5 6 7 8 9 10 11 12	test.pr	reparation.course none completed none none none completed none completed none completed none none	math.score 72 69 90 47 76 71 88 40 64 38 58	72 90 95 57 78 83 95 43 64 60 54 52 81	writing.score 74 88 93 44 75 78 92 39 67 50 52 43 73 70
## ## ## ## ## ## ## ## ## ## ## ## ##	2 3 4 5 6 7 8 9 10 11 12 13	test.pr	reparation.course none completed none none none completed none completed none completed none none none	math.score 72 69 90 47 76 71 88 40 64 38 58 40 65	72 90 95 57 78 83 95 43 64 60 54 52	writing.score 74 88 93 44 75 78 92 39 67 50 52 43 73

#userdefined function

```
grpnbr <-function()</pre>
  print("Hello Team 6")
grpnbr()
## [1] "Hello Team 6"
#Reshaping technique
SP1 <-SP %>%
  mutate(id = row_number()) %>%
  gather(key = "Subject", value = "Score", math.score, reading.score, writing.score)
head(SP1, 10)
##
      gender race.ethnicity parental.level.of.education
                                                                 lunch
## 1
      female
                    group B
                                       bachelor's degree
                                                              standard
## 2 female
                                            some college
                                                              standard
                    group C
## 3 female
                                         master's degree
                                                              standard
                    group B
## 4
        male
                                      associate's degree free/reduced
                    group A
## 5
        male
                    group C
                                            some college
                                                              standard
## 6 female
                    group B
                                      associate's degree
                                                              standard
## 7 female
                    group B
                                            some college
                                                              standard
## 8
        male
                    group B
                                            some college free/reduced
## 9
        male
                    group D
                                             high school free/reduced
## 10 female
                                             high school free/reduced
                    group B
##
      test.preparation.course id
                                     Subject Score
## 1
                         none 1 math.score
                                                72
## 2
                    completed 2 math.score
                                                69
## 3
                         none
                               3 math.score
                                                90
                         none 4 math.score
## 4
                                                47
## 5
                         none 5 math.score
                                                76
## 6
                         none 6 math.score
                                                71
## 7
                    completed 7 math.score
## 8
                         none 8 math.score
                                                40
## 9
                    completed 9 math.score
## 10
                                                38
                         none 10 math.score
#filter for math score
SP %>% filter(math.score == 89)
     gender race.ethnicity parental.level.of.education
                                                            lunch
##
## 1
      male
                   group D
                                        master's degree standard
## 2
       male
                   group E
                                     associate's degree standard
## 3
       male
                   group D
                                       some high school standard
## 4
       male
                                            high school standard
                   group D
## 5
       male
                   group E
                                       some high school standard
## 6 female
                                      bachelor's degree standard
                   group D
     test.preparation.course math.score reading.score writing.score
## 1
                                      29
                                                    84
                                                                   82
                        none
```

##	2	none	89	76	74
##	3	completed	89	88	82
##	4	none	89	87	79
##	5	completed	89	84	77
##	6	none	89	100	100

#identify duplicate

duplicated(SP)

```
[1] FALSE FALSE
##
##
                                                                                     [13] FALSE FALSE
##
                                                                                     [25] FALSE F
##
                                                                                     [37] FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE
##
                                                                                   [49] FALSE F
                                                                                     [61] FALSE FALSE
##
##
                                                                                     [73] FALSE FALSE
##
                                                                                     [85] FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE
##
                                                                                   [97] FALSE F
##
                                                                   [109] FALSE 
                                                                   [121] FALSE 
##
##
                                                                   [133] FALSE FALSE
##
                                                                   [145] FALSE 
                                                                   [157] FALSE FALSE
                                                                   [169] FALSE 
##
                                                                   [181] FALSE 
                                                                   [193] FALSE 
##
                                                                   [205] FALSE 
##
                                                                   [217] FALSE FALSE
##
                                                                   [229] FALSE 
                                                                   [241] FALSE 
##
                                                                   [253] FALSE 
                                                                   [265] FALSE 
##
##
                                                                   [277] FALSE FALSE
##
                                                                   [289] FALSE FALSE
                                                                   [301] FALSE 
                                                                   [313] FALSE 
##
##
                                                                   [325] FALSE 
##
                                                                   [337] FALSE FALSE
##
                                                                   [349] FALSE 
##
                                                                   [361] FALSE FALSE
##
                                                                   [373] FALSE 
                                                                   [385] FALSE 
                                                                   [397] FALSE FALSE
##
##
                                                                   [409] FALSE 
                                                                   [421] FALSE FALSE
##
                                                                   [433] FALSE 
                                                                   [445] FALSE 
##
##
                                                                   [457] FALSE FALSE
##
                                                                   [469] FALSE 
                                                                   [481] FALSE 
                                                                   [493] FALSE FALSE
##
                                                                   [505] FALSE FALSE
```

```
[517] FALSE FALSE
##
                                                          [529] FALSE 
##
                                                          [541] FALSE FALSE
                                                          [553] FALSE 
##
##
                                                          [565] FALSE FALSE
##
                                                          [577] FALSE FALSE
                                                          [589] FALSE 
                                                          [601] FALSE FALSE
##
                                                          [613] FALSE 
##
                                                          [625] FALSE 
                                                          [637] FALSE 
                                                          [649] FALSE 
##
                                                          [661] FALSE FALSE
##
                                                          [673] FALSE FALSE
                                                          [685] FALSE 
##
                                                          [697] FALSE FALSE
##
                                                          [709] FALSE 
                                                          [721] FALSE 
##
                                                      [733] FALSE FALSE
                                                          [745] FALSE FALSE
##
##
                                                        [757] FALSE FALSE
                                                          [769] FALSE 
                                                          [781] FALSE 
##
                                                          [793] FALSE 
##
                                                          [805] FALSE FALSE
                                                          [817] FALSE FALSE
##
                                                          [829] FALSE 
                                                          [841] FALSE FALSE
                                                      [853] FALSE 
##
                                                      [865] FALSE FALSE
##
                                                          [877] FALSE FALSE
##
                                                          [889] FALSE 
                                                          [901] FALSE 
##
                                                      [913] FALSE 
##
                                                          [925] FALSE 
##
##
                                                        [937] FALSE FALSE
                                                      [949] FALSE FALSE
##
                                                      [961] FALSE FALSE
##
                                                          [973] FALSE 
                                                          [985] FALSE 
##
                                                          [997] FALSE FALSE FALSE
```

#remove duplicate

```
dedupe<-SP[!duplicated(SP),]
dedupe</pre>
```

```
gender race.ethnicity parental.level.of.education
##
                                                                    lunch
                      group B
## 1
                                         bachelor's degree
        female
                                                                 standard
## 2
        female
                      group C
                                              some college
                                                                 standard
## 3
                                           master's degree
        female
                      group B
                                                                 standard
## 4
          male
                      group A
                                        associate's degree free/reduced
                      group C
                                               some college
## 5
          male
                                                                 standard
```

	_			_		
##		female	group		associate's degree	standard
	7	female	group		some college	standard
	8	male	group			free/reduced
##	9	male	group	D	_	free/reduced
##	10	female	group	В	high school	free/reduced
##	11	male	group	С	associate's degree	standard
##	12	male	group	D	associate's degree	standard
##	13	female	group	В	high school	standard
##	14	male	group	A	some college	standard
##	15	female	group	A	master's degree	standard
##	16	female	group	С	some high school	standard
##	17	male	group	С	high school	standard
##	18	female	group	В	some high school	free/reduced
##	19	\mathtt{male}	group	С	master's degree	free/reduced
##	20	female	group	С	associate's degree	free/reduced
##	21	male	group	D	high school	standard
##	22	female	group	В	some college	free/reduced
##	23	male	group	D	some college	standard
##	24	female	group	С	some high school	standard
##	25	male	group	D	bachelor's degree	free/reduced
##	26	male	group	Α	master's degree	free/reduced
##	27	male	group	В	some college	standard
##	28	female	group	С	bachelor's degree	standard
##	29	male	group	С	high school	standard
##	30	female	group	D	master's degree	standard
##	31	female	group	D	some college	standard
##	32	female	group	В	some college	standard
##	33	female	group	E	master's degree	free/reduced
##	34	male	group		some college	standard
##	35	male	group		some college	standard
##	36	male	group		associate's degree	standard
##	37	female	group		associate's degree	standard
##	38	female	group		some high school	free/reduced
##	39	female	group		associate's degree	
##	40	male	group		associate's degree	
##	41	male	group		associate's degree	
##	42	female	group		associate's degree	standard
##	43	female	group		associate's degree	standard
	44	male	group		•	free/reduced
##	45	female	group		associate's degree	
##	46	male	group		associate's degree	standard
##	47	female	group		associate's degree	standard
##	48	female	group		high school	standard
	49	female	group		associate's degree	
	50	male	group		high school	standard
	51	male	group		some college	standard
	52	male	group		associate's degree	
	53	male	group		some college	standard
	54	male	group		high school	standard
	55	female	group		some high school	
	56	female	group		_	free/reduced
	57	female	group		associate's degree	standard
	58	male	group		associate's degree	standard
##		male	group		some college	standard
"	55	maro	9-0ap	_	Zome college	2 canaar a

##	60	female	group	С	some high school	
	61	male	group	E	bachelor's degree	
	62	male	group	Α	some high school	
	63	male	group	Α	associate's degree	free/reduced
##	64	female	group	C	associate's degree	standard
	65	female	group	D	some high school	standard
##	66	${\tt male}$	group	В	some high school	standard
##	67	${\tt male}$	group	D	some high school	free/reduced
##	68	female	group	C	some college	standard
	69	male	group	В	associate's degree	free/reduced
##	70	female	group	C	associate's degree	standard
##	71	female	group	D	some college	free/reduced
##	72	male	group	D	some college	standard
##	73	female	group	Α	associate's degree	free/reduced
##	74	male	group	С	some high school	free/reduced
##	75	male	group		some high school	
##	76	male	group		associate's degree	free/reduced
##	77	male	group		some high school	
##	78	male	group		bachelor's degree	standard
##	79	female	group		some high school	standard
	80	female	group		master's degree	standard
##	81	female	group		associate's degree	standard
##	82	male	group		•	free/reduced
	83	male	group			free/reduced
	84	male	group		associate's degree	standard
	85	male	group		_	free/reduced
	86	female	group		some college	standard
	87	female	group			free/reduced
	88	female	group		associate's degree	standard
	89	female	group		some college	standard
	90	female	group		some high school	
	91	female	group		bachelor's degree	standard
	92	male	group			free/reduced
	93	male	group		high school	standard
	94	male	group		associate's degree	
	95	female	group		some college	
	96	male	group		associate's degree	
	97	male	group		some high school	standard
	98	female	group		some nigh school some college	standard
	99	female	group			free/reduced
	100	female			bachelor's degree	standard
	100	male	group		some college	
			group		9	standard
	102	male	group		bachelor's degree	standard
	103	female male	group		associate's degree	standard
	104		group		high school	standard
	105	male	group		some college	standard
	106	female	group		some college	standard
	107	female	group		master's degree	standard
	108	male	group		associate's degree	standard
	109	female	group		associate's degree	
	110	female	group		some high school	standard
	111	female	group		associate's degree	
	112	male	group		high school	
##	113	male	group	Α	associate's degree	standard

```
## 114
       female
                                                some college
                                                                  standard
                       group D
## 115
        female
                                          bachelor's degree
                                                                  standard
                       group E
## 116
          male
                       group C
                                                 high school
                                                                  standard
## 117
        female
                       group B
                                          bachelor's degree free/reduced
## 118
        female
                       group D
                                          bachelor's degree
                                                                  standard
## 119
        female
                                           some high school
                                                                  standard
                       group D
                                                some college
## 120
        female
                                                                  standard
                       group C
## 121
        female
                       group C
                                          bachelor's degree
                                                                  standard
## 122
          male
                       group B
                                         associate's degree
                                                                  standard
## 123
        female
                       group C
                                                some college
                                                                  standard
## 124
          male
                       group D
                                                 high school free/reduced
## 125
          male
                       group E
                                                                  standard
                                                some college
## 126
        female
                       group B
                                                 high school
                                                                  standard
## 127
          male
                       group B
                                           some high school
                                                                  standard
## 128
          male
                                                                  standard
                       group D
                                                some college
## 129
          male
                       group D
                                             master's degree
                                                                  standard
## 130
        female
                                          bachelor's degree
                                                                  standard
                       group A
## 131
          male
                       group D
                                            master's degree
                                                                  standard
## 132
          male
                       group C
                                           some high school free/reduced
## 133
                                                some college free/reduced
          male
                       group E
## 134
        female
                       group C
                                                some college
                                                                  standard
## 135
          male
                       group D
                                          bachelor's degree free/reduced
## 136
          male
                       group C
                                          bachelor's degree
                                                                  standard
## 137
          male
                                           some high school
                                                                  standard
                       group B
## 138
          male
                                                                  standard
                       group E
                                                 high school
## 139
        female
                       group C
                                         associate's degree
                                                                  standard
## 140
          male
                       group D
                                                some college
                                                                  standard
## 141
        female
                       group D
                                           some high school
                                                                  standard
## 142
                                                some college free/reduced
        female
                       group C
## 143
        female
                       group E
                                                some college free/reduced
## 144
          male
                       group A
                                                 high school
                                                                  standard
## 145
          male
                       group D
                                                some college
                                                                  standard
## 146
        female
                       group C
                                                some college free/reduced
## 147
          male
                       group B
                                           some high school
                                                                  standard
## 148
          male
                       group C
                                         associate's degree free/reduced
                                          bachelor's degree
## 149
        female
                       group D
                                                                  standard
## 150
          male
                       group E
                                         associate's degree free/reduced
## 151
          male
                                           some high school
                                                                  standard
                       group A
## 152
          male
                                          bachelor's degree
                                                                  standard
                       group A
## 153
        female
                                         associate's degree
                                                                  standard
                       group B
## 154
          male
                                          bachelor's degree
                                                                  standard
                       group D
## 155
          male
                       group D
                                           some high school
                                                                  standard
## 156
        female
                       group C
                                                some college
                                                                  standard
        female
                                                 high school free/reduced
##
  157
                       group E
## 158
          male
                       group B
                                                some college free/reduced
## 159
        female
                                         associate's degree
                                                                  standard
                       group B
## 160
          male
                       group D
                                         associate's degree free/reduced
## 161
          male
                                         associate's degree free/reduced
                       group B
## 162
        female
                       group E
                                                some college free/reduced
## 163
          male
                       group B
                                             master's degree free/reduced
## 164
          male
                                                                  standard
                       group C
                                                 high school
## 165
        female
                       group E
                                            master's degree
                                                                  standard
## 166
        female
                       group C
                                          bachelor's degree
                                                                  standard
## 167
          male
                       group C
                                                 high school free/reduced
```

```
## 168
        female
                       group B
                                            master's degree free/reduced
## 169
        female
                                                high school
                                                                 standard
                       group B
## 170
        female
                       group C
                                               some college free/reduced
## 171
          male
                       group A
                                                high school
                                                                 standard
## 172
          male
                       group E
                                           some high school
                                                                  standard
## 173
        female
                                               some college
                                                                 standard
                       group D
## 174
        female
                                         associate's degree
                                                                 standard
                       group C
## 175
        female
                       group C
                                          bachelor's degree free/reduced
## 176
        female
                       group C
                                            master's degree
                                                                  standard
## 177
        female
                       group B
                                                high school free/reduced
## 178
        female
                       group C
                                         associate's degree
                                                                 standard
## 179
        female
                       group B
                                            master's degree free/reduced
## 180
        female
                       group D
                                           some high school
                                                                 standard
## 181
          male
                                            master's degree free/reduced
                       group C
## 182
        female
                       group C
                                               some college free/reduced
## 183
        female
                       group E
                                                high school
                                                                 standard
  184
        female
                                         associate's degree
                                                                 standard
                       group D
## 185
          male
                       group C
                                           some high school free/reduced
## 186
          male
                       group C
                                         associate's degree free/reduced
## 187
          male
                       group E
                                                high school
                                                                 standard
## 188
          male
                       group D
                                           some high school
                                                                 standard
## 189
          male
                       group B
                                           some high school free/reduced
## 190
        female
                       group C
                                          bachelor's degree
                                                                 standard
## 191
        female
                                         associate's degree
                                                                 standard
                       group E
## 192
          male
                       group D
                                               some college
                                                                 standard
## 193
        female
                       group B
                                           some high school
                                                                 standard
## 194
          male
                       group D
                                               some college
                                                                 standard
## 195
        female
                                            master's degree
                       group C
                                                                  standard
## 196
          male
                                         associate's degree
                                                                 standard
                       group D
## 197
          male
                       group C
                                           some high school free/reduced
## 198
          male
                       group E
                                                high school free/reduced
## 199
        female
                       group B
                                               some college free/reduced
##
  200
        female
                       group B
                                          bachelor's degree free/reduced
## 201
        female
                                         associate's degree
                       group C
                                                                 standard
## 202
        female
                       group D
                                               some college free/reduced
## 203
          male
                                         associate's degree
                       group C
                                                                 standard
## 204
        female
                       group B
                                         associate's degree
                                                                 standard
## 205
          male
                       group C
                                               some college
                                                                 standard
## 206
          male
                       group D
                                           some high school
                                                                  standard
## 207
          male
                                          bachelor's degree
                                                                 standard
                       group E
## 208
          male
                       group E
                                                                 standard
                                                high school
## 209
        female
                       group B
                                               some college free/reduced
## 210
        female
                                               some college free/reduced
                       group B
## 211
          male
                                           some high school free/reduced
                       group D
## 212
          male
                                               some college free/reduced
                       group C
## 213
        female
                                                high school free/reduced
                       group C
                                         associate's degree free/reduced
## 214
          male
                       group C
## 215
          male
                       group E
                                                high school
                                                                 standard
## 216
                       group B
          male
                                           some high school
                                                                 standard
## 217
        female
                       group E
                                         associate's degree free/reduced
## 218
        female
                                                high school free/reduced
                       group C
## 219
                                                high school free/reduced
          male
                       group B
## 220
          male
                       group B
                                           some high school
                                                                 standard
## 221
       female
                       group D
                                                high school
                                                                 standard
```

```
## 222
          male
                                          associate's degree
                                                                  standard
                       group B
## 223
        female
                                            some high school free/reduced
                       group C
## 224
          male
                       group D
                                            some high school
                                                                  standard
## 225
        female
                       group B
                                          associate's degree
                                                                  standard
##
  226
        female
                       group E
                                             master's degree free/reduced
##
  227
        female
                                                some college
                                                                  standard
                       group C
## 228
          male
                                                                  standard
                       group D
                                                 high school
## 229
          male
                       group A
                                            some high school free/reduced
## 230
        female
                       group C
                                                some college
                                                                  standard
## 231
          male
                       group D
                                                some college
                                                                  standard
## 232
          male
                       group C
                                          associate's degree
                                                                  standard
## 233
        female
                                                                  standard
                       group B
                                           bachelor's degree
  234
          male
                       group E
                                            some high school
                                                                  standard
## 235
          male
                       group C
                                           bachelor's degree
                                                                  standard
## 236
          male
                                          associate's degree
                                                                  standard
                       group D
## 237
          male
                       group D
                                           bachelor's degree free/reduced
## 238
        female
                                            some high school
                                                                  standard
                       group D
## 239
          male
                       group B
                                                some college
                                                                  standard
## 240
          male
                                                                  standard
                       group C
                                          associate's degree
## 241
          male
                       group D
                                                 high school free/reduced
##
  242
        female
                       group E
                                           bachelor's degree
                                                                  standard
## 243
        female
                                                                  standard
                       group D
                                                 high school
## 244
          male
                                                                  standard
                       group E
                                                some college
## 245
          male
                                                                  standard
                       group D
                                            some high school
## 246
          male
                       group C
                                          associate's degree
                                                                  standard
## 247
          male
                       group E
                                          associate's degree
                                                                  standard
## 248
        female
                       group B
                                                 high school
                                                                  standard
   249
        female
                       group B
                                                 high school
                                                                  standard
## 250
          male
                                                                  standard
                       group C
                                                 high school
## 251
          male
                                            some high school
                                                                  standard
                       group A
## 252
        female
                       group D
                                                some college free/reduced
   253
        female
                       group B
                                            some high school
                                                                  standard
   254
##
          male
                       group D
                                             master's degree
                                                                  standard
  255
          male
##
                       group D
                                                 high school
                                                                  standard
   256
        female
                       group E
                                                some college
                                                                  standard
##
  257
        female
                       group C
                                          associate's degree free/reduced
  258
##
          male
                       group C
                                          associate's degree
                                                                  standard
## 259
        female
                       group B
                                                some college
                                                                  standard
## 260
        female
                                             master's degree free/reduced
                       group C
  261
        female
                                            some high school free/reduced
##
                       group C
## 262
          male
                       group C
                                                some college
                                                                  standard
## 263
        female
                       group C
                                            some high school free/reduced
   264
        female
                       group E
                                                 high school
                                                                  standard
  265
          male
                       group D
##
                                                                  standard
                                                 high school
  266
          male
                       group D
                                            some high school free/reduced
## 267
        female
                                                                  standard
                       group C
                                           bachelor's degree
                       group D
  268
        female
                                                 high school
                                                                  standard
  269
        female
                       group D
                                          associate's degree
                                                                  standard
                                                some college free/reduced
## 270
        female
                       group E
## 271
          male
                       group C
                                           bachelor's degree
                                                                  standard
  272
          male
                       group C
                                                some college
                                                                  standard
## 273
        female
                       group D
                                          associate's degree free/reduced
## 274
        female
                       group D
                                                some college
                                                                  standard
## 275
          male
                       group B
                                                some college
                                                                  standard
```

```
## 276
          male
                                          bachelor's degree
                                                                  standard
                       group C
## 277
        female
                                                                  standard
                       group C
                                           some high school
## 278
        female
                       group E
                                                 high school
                                                                  standard
## 279
        female
                       group C
                                           some high school free/reduced
## 280
          male
                       group B
                                           bachelor's degree free/reduced
## 281
          male
                                                 high school
                                                                  standard
                       group D
## 282
          male
                                                 high school
                                                                  standard
                       group D
## 283
        female
                       group D
                                          bachelor's degree free/reduced
                                                some college free/reduced
## 284
        female
                       group D
##
   285
        female
                       group B
                                           some high school
                                                                  standard
  286
          male
                       group B
                                         associate's degree
                                                                  standard
## 287
          male
                       group E
                                         associate's degree
                                                                  standard
## 288
        female
                       group B
                                           some high school
                                                                  standard
## 289
                                          bachelor's degree free/reduced
          male
                       group B
## 290
          male
                                                                  standard
                       group E
                                           some high school
## 291
          male
                       group C
                                         associate's degree
                                                                  standard
## 292
          male
                       group D
                                           some high school
                                                                  standard
## 293
                       group C
          male
                                           some high school
                                                                  standard
                                          bachelor's degree
## 294
        female
                                                                  standard
                       group E
## 295
          male
                       group D
                                                 high school free/reduced
                                         associate's degree free/reduced
## 296
          male
                       group B
## 297
          male
                                           some high school
                                                                  standard
                       group A
## 298
          male
                                         associate's degree
                                                                  standard
                       group E
## 299
          male
                                                 high school free/reduced
                       group C
## 300
          male
                       group D
                                         associate's degree free/reduced
## 301
          male
                       group A
                                                some college free/reduced
## 302
          male
                       group D
                                           some high school free/reduced
   303
        female
                                         associate's degree
                       group C
                                                                  standard
## 304
                                         associate's degree
          male
                                                                  standard
                       group B
## 305
        female
                       group C
                                         associate's degree
                                                                  standard
## 306
          male
                       group A
                                                some college
                                                                  standard
## 307
          male
                       group E
                                                some college
                                                                  standard
## 308
          male
                       group C
                                           some high school
                                                                  standard
## 309
        female
                       group B
                                         associate's degree free/reduced
## 310
        female
                       group D
                                                 high school free/reduced
                                         associate's degree
## 311
        female
                       group B
                                                                  standard
## 312
          male
                       group B
                                          bachelor's degree
                                                                  standard
## 313
          male
                       group D
                                          bachelor's degree
                                                                  standard
## 314
        female
                                         associate's degree free/reduced
                       group C
## 315
        female
                                          bachelor's degree
                                                                  standard
                       group C
## 316
          male
                                                                  standard
                       group C
                                                 high school
## 317
        female
                       group D
                                            master's degree
                                                                  standard
## 318
          male
                                         associate's degree
                       group C
                                                                  standard
##
  319
          male
                       group B
                                          bachelor's degree
                                                                  standard
## 320
        female
                       group D
                                         associate's degree free/reduced
## 321
        female
                                                 high school free/reduced
                       group C
                       group E
## 322
        female
                                                 high school
                                                                  standard
## 323
        female
                       group C
                                                some college
                                                                  standard
## 324
                       group C
        female
                                           some high school free/reduced
## 325
        female
                                                 high school free/reduced
                       group C
## 326
        female
                       group C
                                                some college
                                                                  standard
## 327
          male
                       group C
                                                some college
                                                                  standard
## 328
          male
                       group A
                                                some college free/reduced
## 329
          male
                       group C
                                         associate's degree
                                                                  standard
```

```
## 330
        female
                                            some high school
                                                                  standard
                       group B
## 331
          male
                                                                  standard
                       group C
                                                 high school
## 332
                       group C
          male
                                          associate's degree
                                                                  standard
## 333
          male
                       group E
                                          associate's degree
                                                                  standard
   334
          male
                       group B
                                          associate's degree
                                                                  standard
  335
        female
                                          bachelor's degree
##
                       group C
                                                                  standard
   336
        female
                                                some college free/reduced
                       group B
## 337
          male
                       group D
                                            some high school
                                                                  standard
##
   338
          male
                       group C
                                          associate's degree
                                                                  standard
##
  339
        female
                       group B
                                            some high school free/reduced
   340
        female
                       group D
                                            some high school free/reduced
  341
                                                 high school free/reduced
##
          male
                       group C
   342
        female
                       group C
                                                 high school
                                                                  standard
##
   343
        female
                       group B
                                                 high school
                                                                  standard
##
   344
          male
                                          associate's degree
                                                                  standard
                       group D
##
  345
          male
                       group D
                                                some college
                                                                  standard
##
  346
        female
                       group C
                                                 high school
                                                                  standard
   347
##
          male
                       group B
                                                some college
                                                                  standard
##
  348
        female
                                                                  standard
                       group C
                                           bachelor's degree
  349
##
          male
                       group D
                                                 high school free/reduced
##
   350
          male
                       group E
                                          associate's degree
                                                                  standard
   351
        female
                       group B
                                          bachelor's degree
                                                                  standard
## 352
          male
                                                                  standard
                       group E
                                                some college
   353
        female
                                                some college
                                                                  standard
                       group C
##
  354
        female
                       group C
                                          associate's degree
                                                                  standard
   355
        female
                       group C
                                                some college
                                                                  standard
##
  356
        female
                       group B
                                          bachelor's degree
                                                                  standard
   357
          male
                       group A
                                          associate's degree
                                                                  standard
   358
                                                some college free/reduced
##
        female
                       group C
   359
          male
                       group D
                                                some college free/reduced
##
  360
        female
                       group D
                                                some college
                                                                  standard
##
   361
        female
                       group B
                                                 high school
                                                                  standard
   362
##
          male
                       group B
                                            some high school
                                                                  standard
  363
        female
##
                       group C
                                                some college
                                                                  standard
##
   364
        female
                       group D
                                            some high school free/reduced
##
   365
          male
                       group C
                                                some college
                                                                  standard
##
  366
          male
                       group A
                                           bachelor's degree free/reduced
## 367
          male
                       group C
                                                 high school
                                                                  standard
## 368
          male
                                          bachelor's degree free/reduced
                       group C
## 369
        female
                                            some high school free/reduced
                       group A
  370
        female
                                            some high school
                       group D
                                                                  standard
## 371
          male
                       group E
                                                some college
                                                                  standard
   372
        female
##
                       group C
                                                some college free/reduced
##
   373
          male
                       group D
                                            some high school
                                                                  standard
   374
        female
                       group D
                                                some college
                                                                  standard
## 375
                                           bachelor's degree
        female
                                                                  standard
                       group D
  376
          male
                       group E
                                          associate's degree free/reduced
## 377
        female
                       group D
                                            some high school
                                                                  standard
                                             master's degree free/reduced
  378
        female
                       group D
## 379
        female
                       group A
                                            some high school
                                                                  standard
                                          bachelor's degree
   380
          male
                       group A
                                                                  standard
## 381
        female
                       group B
                                          associate's degree
                                                                  standard
## 382
          male
                       group C
                                          associate's degree
                                                                  standard
## 383
          male
                       group C
                                             master's degree free/reduced
```

```
## 384
        female
                                            some high school free/reduced
                       group E
                                           some high school free/reduced
## 385
        female
                       group A
  386
        female
                       group E
                                                some college
                                                                  standard
   387
        female
##
                       group E
                                          bachelor's degree
                                                                  standard
   388
        female
                       group C
                                         associate's degree free/reduced
##
   389
        female
                                                 high school
                       group D
                                                                  standard
                                            master's degree
## 390
          male
                       group D
                                                                  standard
## 391
          male
                       group E
                                            some high school free/reduced
   392
        female
                       group D
                                                some college
                                                                  standard
## 393
          male
                       group E
                                                some college
                                                                  standard
   394
          male
                       group C
                                         associate's degree
                                                                  standard
## 395
        female
                                                                  standard
                       group C
                                            some high school
                       group A
   396
          male
                                                 high school free/reduced
   397
                                                 high school free/reduced
##
        female
                       group B
##
   398
        female
                       group C
                                         associate's degree
                                                                  standard
## 399
          male
                       group B
                                            some high school
                                                                  standard
## 400
          male
                                            some high school
                                                                  standard
                       group D
## 401
        female
                       group C
                                            some high school
                                                                  standard
## 402
          male
                       group A
                                                some college
                                                                  standard
## 403
        female
                       group A
                                                some college free/reduced
##
  404
        female
                       group D
                                                 high school
                                                                  standard
## 405
        female
                                                                  standard
                       group C
                                                 high school
## 406
        female
                                            some high school
                                                                  standard
                       group C
## 407
          male
                                         associate's degree
                                                                  standard
                       group B
## 408
        female
                       group B
                                         associate's degree
                                                                  standard
## 409
        female
                       group D
                                                 high school free/reduced
## 410
          male
                       group D
                                         associate's degree
                                                                  standard
## 411
        female
                       group D
                                            master's degree
                                                                  standard
## 412
          male
                                                                  standard
                       group E
                                                some college
## 413
          male
                                         associate's degree
                                                                  standard
                       group D
## 414
          male
                       group B
                                            some high school
                                                                  standard
## 415
        female
                       group C
                                          bachelor's degree free/reduced
## 416
          male
                       group E
                                                 high school
                                                                  standard
                                          bachelor's degree
## 417
          male
                       group C
                                                                  standard
## 418
          male
                       group C
                                         associate's degree
                                                                  standard
## 419
          male
                       group D
                                                some college
                                                                  standard
## 420
          male
                       group E
                                                 high school free/reduced
## 421
        female
                       group C
                                         associate's degree free/reduced
        female
## 422
                                                 high school
                                                                  standard
                       group D
## 423
        female
                                            master's degree free/reduced
                       group D
## 424
        female
                       group A
                                            some high school
                                                                  standard
## 425
          male
                       group B
                                                some college free/reduced
## 426
        female
                       group C
                                                some college free/reduced
## 427
                       group C
          male
                                          bachelor's degree
                                                                  standard
## 428
          male
                       group C
                                            some high school free/reduced
## 429
                                            some high school free/reduced
          male
                       group A
## 430
          male
                       group C
                                            some high school free/reduced
## 431
          male
                                         associate's degree free/reduced
                       group C
## 432
        female
                       group C
                                                 high school
                                                                  standard
## 433
          male
                       group C
                                                 high school
                                                                  standard
## 434
        female
                       group A
                                            some high school free/reduced
## 435
          male
                       group C
                                            some high school
                                                                  standard
## 436
          male
                       group C
                                                some college free/reduced
## 437
          male
                       group D
                                         associate's degree
                                                                  standard
```

```
## 438
          male
                                         associate's degree free/reduced
                       group D
                                                 high school
## 439
          male
                                                                  standard
                       group C
## 440
          male
                       group D
                                           some high school
                                                                  standard
## 441
        female
                                                some college
                                                                  standard
                       group C
## 442
        female
                       group D
                                                 high school
                                                                  standard
## 443
        female
                                           some high school free/reduced
                       group A
## 444
        female
                                         associate's degree
                       group B
                                                                  standard
## 445
          male
                       group A
                                           some high school free/reduced
## 446
        female
                       group C
                                           some high school
                                                                  standard
## 447
          male
                                                some college free/reduced
                       group D
## 448
          male
                       group C
                                                 high school
                                                                  standard
## 449
          male
                       group B
                                                 high school
                                                                  standard
## 450
          male
                       group B
                                         associate's degree
                                                                  standard
## 451
        female
                       group C
                                                some college free/reduced
## 452
        female
                       group E
                                                some college
                                                                  standard
## 453
        female
                       group C
                                         associate's degree free/reduced
## 454
          male
                                                some college free/reduced
                       group C
## 455
        female
                       group C
                                         associate's degree free/reduced
## 456
          male
                       group C
                                          bachelor's degree free/reduced
## 457
        female
                       group D
                                          bachelor's degree
                                                                  standard
##
   458
          male
                       group D
                                         associate's degree free/reduced
## 459
        female
                       group E
                                          bachelor's degree
                                                                  standard
## 460
          male
                                                 high school
                                                                  standard
                       group B
## 461
          male
                                          bachelor's degree free/reduced
                       group C
## 462
          male
                                                some college free/reduced
                       group B
## 463
        female
                       group E
                                                some college
                                                                  standard
## 464
        female
                       group C
                                                some college free/reduced
   465
          male
                                          bachelor's degree
                       group A
                                                                  standard
        female
## 466
                       group C
                                                some college
                                                                  standard
## 467
        female
                       group D
                                         associate's degree free/reduced
## 468
          male
                       group A
                                                 high school free/reduced
## 469
        female
                       group A
                                                 high school free/reduced
## 470
          male
                       group C
                                                some college
                                                                  standard
## 471
        female
                       group C
                                         associate's degree
                                                                  standard
## 472
        female
                       group C
                                                 high school
                                                                  standard
                                         associate's degree
## 473
        female
                                                                  standard
                       group C
## 474
        female
                       group D
                                           some high school
                                                                  standard
## 475
        female
                       group B
                                         associate's degree
                                                                  standard
        female
## 476
                       group D
                                          bachelor's degree
                                                                  standard
## 477
          male
                                          bachelor's degree
                                                                  standard
                       group E
## 478
          male
                                         associate's degree
                                                                  standard
                       group D
## 479
        female
                       group D
                                            master's degree
                                                                  standard
## 480
          male
                                         associate's degree
                       group E
                                                                  standard
## 481
          male
                                                                  standard
                       group B
                                                 high school
## 482
        female
                                         associate's degree free/reduced
                       group D
                                                some college free/reduced
## 483
          male
                       group C
## 484
          male
                       group A
                                                 high school
                                                                  standard
## 485
        female
                                         associate's degree
                                                                  standard
                       group B
## 486
          male
                       group C
                                                 high school
                                                                  standard
## 487
          male
                       group D
                                                some college free/reduced
## 488
        female
                       group C
                                         associate's degree free/reduced
## 489
          male
                       group B
                                           some high school
                                                                  standard
## 490
          male
                       group A
                                         associate's degree free/reduced
## 491
        female
                                         associate's degree free/reduced
                       group A
```

```
## 492
        female
                       group C
                                         associate's degree
                                                                  standard
## 493
        female
                                                                  standard
                       group C
                                                some college
## 494
        female
                       group C
                                          bachelor's degree
                                                                  standard
## 495
        female
                       group B
                                                 high school
                                                                  standard
## 496
          male
                       group D
                                                 high school
                                                                  standard
##
  497
        female
                                                                  standard
                       group C
                                                some college
## 498
        female
                                                some college free/reduced
                       group D
## 499
        female
                       group B
                                            some high school
                                                                  standard
## 500
          male
                       group E
                                                some college
                                                                  standard
## 501
                       group D
        female
                                             master's degree
                                                                  standard
## 502
        female
                       group B
                                         associate's degree
                                                                  standard
## 503
                                                some college free/reduced
          male
                       group C
   504
        female
                       group E
                                         associate's degree
                                                                  standard
## 505
        female
                       group D
                                             master's degree free/reduced
  506
        female
                                                                  standard
                       group B
                                            some high school
## 507
          male
                                                 high school
                                                                  standard
                       group A
## 508
          male
                                           bachelor's degree free/reduced
                       group B
## 509
                       group C
          male
                                             master's degree
                                                                  standard
                                           bachelor's degree
## 510
        female
                                                                  standard
                       group C
## 511
          male
                       group D
                                                some college
                                                                  standard
## 512
          male
                       group A
                                            some high school
                                                                  standard
## 513
          male
                       group D
                                            some high school free/reduced
## 514
        female
                                            some high school
                                                                  standard
                       group B
## 515
        female
                                             master's degree free/reduced
                       group B
## 516
        female
                       group C
                                            some high school
                                                                  standard
## 517
        female
                       group D
                                                some college
                                                                  standard
## 518
        female
                       group E
                                                some college
                                                                  standard
## 519
        female
                       group D
                                            some high school
                                                                  standard
## 520
        female
                                                 high school free/reduced
                       group B
## 521
          male
                       group D
                                                some college
                                                                  standard
## 522
        female
                       group C
                                         associate's degree
                                                                  standard
## 523
          male
                       group D
                                          bachelor's degree
                                                                  standard
## 524
          male
                       group C
                                             master's degree free/reduced
## 525
          male
                       group C
                                                 high school
                                                                  standard
## 526
          male
                       group E
                                                some college
                                                                  standard
                                            some high school free/reduced
## 527
          male
                       group C
## 528
        female
                       group C
                                                 high school free/reduced
## 529
        female
                       group D
                                           bachelor's degree free/reduced
        female
## 530
                                         associate's degree
                                                                  standard
                       group C
## 531
        female
                                         associate's degree
                                                                  standard
                       group C
## 532
        female
                                                                  standard
                       group C
                                            some high school
## 533
          male
                       group E
                                         associate's degree
                                                                  standard
   534
        female
                                         associate's degree
                       group E
                                                                  standard
   535
                       group B
##
          male
                                                 high school
                                                                  standard
## 536
        female
                                           bachelor's degree free/reduced
                       group C
## 537
          male
                       group C
                                         associate's degree
                                                                  standard
## 538
        female
                       group D
                                                 high school
                                                                  standard
## 539
          male
                       group E
                                          bachelor's degree
                                                                  standard
## 540
          male
                       group A
                                         associate's degree
                                                                  standard
## 541
          male
                       group C
                                                 high school
                                                                  standard
## 542
          male
                       group D
                                         associate's degree free/reduced
## 543
        female
                       group C
                                         associate's degree
                                                                  standard
## 544
        female
                       group D
                                         associate's degree
                                                                  standard
## 545
        female
                       group D
                                             master's degree
                                                                  standard
```

```
## 546
          male
                       group E
                                            some high school free/reduced
                                            some high school
                                                                  standard
## 547
        female
                       group A
## 548
          male
                       group C
                                                 high school
                                                                  standard
## 549
        female
                       group C
                                                 high school free/reduced
## 550
          male
                       group C
                                            master's degree
                                                                  standard
##
  551
          male
                                            some high school free/reduced
                       group C
## 552
          male
                       group B
                                          bachelor's degree free/reduced
## 553
        female
                       group B
                                         associate's degree
                                                                  standard
## 554
          male
                       group D
                                                some college free/reduced
## 555
          male
                       group E
                                         associate's degree
                                                                  standard
   556
        female
                       group C
                                                some college free/reduced
## 557
                                         associate's degree
        female
                       group C
                                                                  standard
   558
          male
                       group C
                                            master's degree free/reduced
## 559
        female
                                         associate's degree free/reduced
                       group B
## 560
          male
                       group D
                                            some high school
                                                                  standard
## 561
        female
                       group D
                                                some college
                                                                  standard
##
  562
        female
                                                                  standard
                       group C
                                                some college
## 563
          male
                       group C
                                          bachelor's degree
                                                                  standard
##
  564
        female
                       group D
                                                some college free/reduced
                                          bachelor's degree free/reduced
## 565
          male
                       group B
##
   566
          male
                       group B
                                         associate's degree
                                                                  standard
  567
        female
                       group E
                                          bachelor's degree free/reduced
        female
## 568
                                            master's degree free/reduced
                       group D
## 569
          male
                                                 high school free/reduced
                       group B
## 570
          male
                                          bachelor's degree free/reduced
                       group D
## 571
          male
                       group B
                                                some college
                                                                  standard
## 572
          male
                                          bachelor's degree
                                                                  standard
                       group A
   573
        female
                       group C
                                                some college
                                                                  standard
  574
                                                 high school free/reduced
##
        female
                       group C
## 575
                                                 high school
        female
                       group E
                                                                  standard
## 576
          male
                       group A
                                          associate's degree free/reduced
  577
          male
                       group A
                                                some college
                                                                  standard
## 578
        female
                       group B
                                                 high school
                                                                  standard
## 579
        female
                       group B
                                                some college free/reduced
## 580
        female
                       group D
                                            master's degree
                                                                  standard
  581
        female
                                            some high school
                                                                  standard
                       group D
## 582
        female
                       group E
                                            some high school
                                                                  standard
##
  583
        female
                       group D
                                          bachelor's degree free/reduced
        female
## 584
                                         associate's degree
                                                                  standard
                       group D
  585
        female
##
                                                some college
                                                                  standard
                       group D
   586
        female
                                         associate's degree
                                                                  standard
                       group C
## 587
        female
                       group A
                                                 high school
                                                                  standard
   588
        female
                       group C
                                          bachelor's degree free/reduced
   589
        female
                                                                  standard
##
                       group C
                                                some college
## 590
        female
                                                                  standard
                       group A
                                            some high school
## 591
          male
                       group C
                                                some college free/reduced
                       group A
## 592
          male
                                            some high school
                                                                  standard
## 593
          male
                       group E
                                          bachelor's degree
                                                                  standard
                       group E
## 594
        female
                                                 high school
                                                                  standard
## 595
        female
                       group C
                                          bachelor's degree
                                                                  standard
##
  596
        female
                       group C
                                          bachelor's degree
                                                                  standard
## 597
          male
                       group B
                                                 high school free/reduced
## 598
          male
                       group A
                                           some high school
                                                                  standard
## 599
        female
                       group D
                                                 high school
                                                                  standard
```

```
## 600
        female
                       group D
                                            some high school
                                                                  standard
                                            master's degree
## 601
        female
                                                                  standard
                       group D
        female
                                                 high school
## 602
                       group C
                                                                  standard
  603
        female
##
                       group E
                                                some college
                                                                  standard
##
  604
          male
                       group D
                                                 high school free/reduced
##
  605
          male
                                            master's degree free/reduced
                       group D
## 606
          male
                                            some high school
                                                                  standard
                       group C
## 607
        female
                       group C
                                         associate's degree
                                                                  standard
## 608
        female
                       group C
                                            master's degree free/reduced
##
  609
        female
                       group E
                                                some college
                                                                  standard
  610
        female
                       group B
                                         associate's degree
                                                                  standard
## 611
          male
                       group D
                                                some college free/reduced
  612
        female
                       group C
                                                some college
                                                                  standard
## 613
                                          bachelor's degree
          male
                       group C
                                                                  standard
## 614
        female
                                         associate's degree
                                                                  standard
                       group C
## 615
        female
                       group A
                                         associate's degree
                                                                  standard
  616
        female
                       group C
                                                 high school
                                                                  standard
##
  617
        female
                       group E
                                          bachelor's degree
                                                                  standard
## 618
          male
                                          bachelor's degree
                                                                  standard
                       group D
## 619
          male
                       group D
                                            master's degree
                                                                  standard
                                         associate's degree free/reduced
##
  620
          male
                       group C
## 621
        female
                       group C
                                                 high school free/reduced
## 622
          male
                                          bachelor's degree free/reduced
                       group B
## 623
          male
                                                 high school free/reduced
                       group C
## 624
          male
                       group A
                                                some college
                                                                  standard
## 625
        female
                       group E
                                          bachelor's degree free/reduced
## 626
          male
                       group D
                                                some college
                                                                  standard
## 627
          male
                       group B
                                         associate's degree free/reduced
## 628
          male
                                         associate's degree
                                                                  standard
                       group D
## 629
          male
                       group D
                                                some college free/reduced
## 630
        female
                       group C
                                            some high school
                                                                  standard
##
  631
          male
                       group D
                                                some college
                                                                  standard
## 632
          male
                       group B
                                                 high school
                                                                  standard
                                          bachelor's degree
## 633
        female
                       group B
                                                                  standard
## 634
        female
                       group C
                                                 high school
                                                                  standard
##
   635
          male
                                            some high school
                                                                  standard
                       group D
## 636
          male
                       group A
                                                 high school
                                                                  standard
## 637
        female
                       group B
                                                 high school free/reduced
## 638
        female
                                            some high school
                                                                  standard
                       group D
## 639
          male
                                                                  standard
                       group E
                                                some college
## 640
        female
                                         associate's degree
                                                                  standard
                       group D
## 641
          male
                       group D
                                                 high school
                                                                  standard
## 642
        female
                       group D
                                         associate's degree free/reduced
##
   643
        female
                                            some high school free/reduced
                       group B
## 644
        female
                       group E
                                                 high school
                                                                  standard
## 645
          male
                                                 high school
                                                                  standard
                       group B
## 646
        female
                       group B
                                          bachelor's degree
                                                                  standard
## 647
        female
                                         associate's degree
                       group D
                                                                  standard
                                                 high school free/reduced
## 648
        female
                       group E
## 649
        female
                       group B
                                                 high school
                                                                  standard
## 650
        female
                       group D
                                                some college
                                                                  standard
## 651
          male
                       group C
                                            some high school free/reduced
## 652
        female
                       group A
                                                 high school
                                                                  standard
## 653
        female
                       group D
                                                some college
                                                                  standard
```

```
## 654
        female
                                         associate's degree
                                                                  standard
                       group A
## 655
        female
                                                                  standard
                       group B
                                           some high school
## 656
                                                some college
        female
                       group B
                                                                  standard
  657
                                         associate's degree free/reduced
##
          male
                       group C
   658
          male
                       group D
                                           some high school
                                                                  standard
  659
        female
                                         associate's degree free/reduced
##
                       group D
## 660
          male
                                         associate's degree
                       group D
                                                                  standard
## 661
          male
                       group C
                                                some college free/reduced
## 662
          male
                       group C
                                           some high school
                                                                  standard
## 663
        female
                       group D
                                                some college free/reduced
   664
        female
                       group C
                                                 high school
                                                                  standard
  665
          male
                       group D
                                         associate's degree
                                                                  standard
##
##
   666
        female
                       group C
                                           some high school free/reduced
   667
        female
                       group C
                                                some college free/reduced
##
   668
        female
                                          bachelor's degree free/reduced
                       group B
## 669
          male
                       group C
                                                some college
                                                                  standard
## 670
          male
                                                                  standard
                       group D
                                         associate's degree
## 671
        female
                       group C
                                                 high school free/reduced
## 672
          male
                       group D
                                         associate's degree free/reduced
## 673
        female
                       group C
                                                some college
                                                                  standard
   674
        female
                       group C
                                         associate's degree
                                                                  standard
  675
        female
                       group D
                                                high school
                                                                  standard
## 676
        female
                                                                  standard
                       group B
                                                some college
                                                some college
## 677
        female
                                                                  standard
                       group E
        female
## 678
                       group C
                                                                  standard
                                           some high school
## 679
          male
                       group D
                                         associate's degree free/reduced
## 680
          male
                       group D
                                                some college free/reduced
   681
        female
                                                                  standard
                       group D
                                                 high school
  682
##
          male
                                                 high school
                                                                  standard
                       group B
## 683
          male
                       group B
                                                 high school
                                                                  standard
## 684
        female
                       group C
                                           some high school free/reduced
   685
          male
                       group B
                                                some college
                                                                  standard
   686
##
        female
                       group E
                                            master's degree
                                                                  standard
## 687
          male
                       group E
                                                                  standard
                                                some college
## 688
          male
                       group D
                                         associate's degree free/reduced
##
  689
          male
                                                high school free/reduced
                       group A
## 690
          male
                       group E
                                                some college free/reduced
## 691
        female
                       group C
                                         associate's degree
                                                                  standard
        female
## 692
                                         associate's degree free/reduced
                       group E
  693
        female
##
                                          bachelor's degree free/reduced
                       group C
                                         associate's degree
## 694
        female
                                                                  standard
                       group D
## 695
        female
                       group C
                                           some high school
                                                                  standard
   696
        female
                                                some college free/reduced
                       group D
   697
        female
                                                                  standard
##
                       group C
                                         associate's degree
   698
        female
                                          bachelor's degree
                                                                  standard
                       group A
## 699
        female
                                         associate's degree
                                                                  standard
                       group D
## 700
          male
                       group C
                                                 high school free/reduced
## 701
        female
                       group E
                                          bachelor's degree
                                                                  standard
## 702
        female
                       group B
                                           some high school
                                                                  standard
## 703
          male
                       group A
                                          bachelor's degree
                                                                  standard
  704
        female
                                                some college
                       group D
                                                                  standard
## 705
        female
                       group B
                                           some high school free/reduced
## 706
          male
                       group A
                                          bachelor's degree free/reduced
## 707
          male
                       group D
                                                 high school
                                                                  standard
```

```
## 708
          male
                       group C
                                                some college
                                                                  standard
## 709
          male
                                                                  standard
                       group D
                                                 high school
        female
## 710
                       group D
                                         associate's degree free/reduced
## 711
          male
                       group C
                                                some college
                                                                  standard
## 712
        female
                       group E
                                           some high school
                                                                  standard
##
  713
        female
                                                                  standard
                       group D
                                                some college
## 714
          male
                                            master's degree
                                                                  standard
                       group D
## 715
        female
                       group B
                                           some high school
                                                                  standard
## 716
        female
                       group B
                                         associate's degree free/reduced
## 717
          male
                       group C
                                         associate's degree
                                                                  standard
  718
        female
                       group C
                                         associate's degree
                                                                  standard
## 719
        female
                       group C
                                                                  standard
                                                 high school
   720
          male
                       group E
                                         associate's degree free/reduced
## 721
                                                some college free/reduced
        female
                       group C
## 722
          male
                                           some high school free/reduced
                       group D
## 723
        female
                       group B
                                           some high school free/reduced
## 724
          male
                       group C
                                                 high school
                                                                  standard
## 725
          male
                       group B
                                                some college
                                                                  standard
## 726
          male
                       group E
                                                                  standard
                                                some college
## 727
        female
                       group E
                                         associate's degree
                                                                  standard
##
  728
          male
                       group E
                                           some high school
                                                                  standard
## 729
        female
                       group D
                                                 high school free/reduced
## 730
          male
                                                                  standard
                       group C
                                                some college
## 731
        female
                                         associate's degree free/reduced
                       group B
## 732
          male
                                           some high school free/reduced
                       group A
  733
        female
                       group C
                                                some college
                                                                  standard
## 734
          male
                       group D
                                           some high school
                                                                  standard
   735
        female
                                                some college free/reduced
                       group E
## 736
                                            master's degree
          male
                       group C
                                                                  standard
## 737
          male
                       group C
                                         associate's degree
                                                                  standard
## 738
        female
                       group B
                                                some college free/reduced
  739
          male
                       group D
                                         associate's degree
                                                                  standard
## 740
          male
                       group C
                                                 high school free/reduced
## 741
          male
                       group D
                                          bachelor's degree
                                                                  standard
## 742
                       group A
        female
                                         associate's degree free/reduced
  743
        female
                       group C
                                                 high school
                                                                  standard
## 744
        female
                       group C
                                         associate's degree
                                                                  standard
## 745
          male
                       group B
                                                some college free/reduced
## 746
          male
                                         associate's degree
                                                                  standard
                       group D
## 747
          male
                                                                  standard
                       group D
                                                 high school
## 748
          male
                                                                  standard
                       group C
                                                some college
## 749
        female
                       group C
                                          bachelor's degree free/reduced
## 750
          male
                       group B
                                                some college
                                                                  standard
## 751
          male
                       group D
                                                                  standard
                                           some high school
## 752
          male
                       group E
                                                some college
                                                                  standard
## 753
          male
                       group C
                                            master's degree free/reduced
  754
        female
                       group C
                                           some high school
                                                                  standard
## 755
          male
                       group C
                                         associate's degree free/reduced
## 756
        female
                       group E
                                         associate's degree
                                                                  standard
## 757
          male
                       group D
                                                some college
                                                                  standard
## 758
          male
                                          bachelor's degree free/reduced
                       group E
## 759
        female
                       group D
                                                some college free/reduced
## 760
          male
                       group B
                                                some college
                                                                  standard
## 761
        female
                       group C
                                                 high school free/reduced
```

```
## 762
        female
                                            some high school
                                                                  standard
                       group D
## 763
          male
                                            some high school
                                                                  standard
                       group D
## 764
        female
                       group B
                                                 high school
                                                                  standard
  765
          male
##
                       group D
                                                some college
                                                                  standard
   766
        female
                       group B
                                                 high school
                                                                  standard
        female
##
   767
                                                 high school
                                                                  standard
                       group C
   768
          male
                                                 high school
                                                                  standard
                       group B
## 769
        female
                       group D
                                            some high school
                                                                  standard
##
  770
          male
                       group A
                                                some college free/reduced
## 771
          male
                       group B
                                                 high school
                                                                  standard
## 772
          male
                       group D
                                           bachelor's degree
                                                                  standard
## 773
        female
                                            some high school free/reduced
                       group B
                                           bachelor's degree free/reduced
   774
        female
                       group C
##
  775
          male
                       group B
                                                some college
                                                                  standard
  776
        female
                                            some high school free/reduced
                       group B
## 777
        female
                       group B
                                                 high school
                                                                  standard
   778
        female
                                                some college free/reduced
                       group C
  779
        female
                                                some college
                                                                  standard
                       group A
  780
          male
                       group E
                                         associate's degree
                                                                  standard
## 781
        female
                       group D
                                         associate's degree free/reduced
   782
        female
                       group B
                                             master's degree
                                                                  standard
   783
        female
                                                 high school free/reduced
                       group B
## 784
        female
                                         associate's degree
                       group C
                                                                  standard
## 785
          male
                                          bachelor's degree
                                                                  standard
                       group C
## 786
        female
                       group B
                                           some high school
                                                                  standard
   787
        female
                       group E
                                            some high school free/reduced
##
   788
        female
                       group B
                                                some college
                                                                  standard
   789
                                         associate's degree free/reduced
          male
                       group C
   790
##
        female
                                            master's degree free/reduced
                       group C
   791
        female
                       group B
                                                 high school
                                                                  standard
## 792
                                                some college free/reduced
        female
                       group D
  793
          male
                       group D
                                                 high school free/reduced
## 794
          male
                       group E
                                            some high school
                                                                  standard
## 795
        female
                       group B
                                                 high school
                                                                  standard
   796
##
        female
                       group E
                                         associate's degree free/reduced
##
   797
          male
                       group D
                                                 high school
                                                                  standard
## 798
        female
                       group E
                                         associate's degree free/reduced
## 799
          male
                       group E
                                                some college
                                                                  standard
## 800
        female
                       group C
                                         associate's degree
                                                                  standard
## 801
          male
                                            some high school
                                                                  standard
                       group C
## 802
          male
                                                                  standard
                       group C
                                            some high school
## 803
        female
                       group E
                                         associate's degree
                                                                  standard
   804
        female
                       group B
                                                some college
                                                                  standard
   805
        female
##
                       group C
                                                some college
                                                                  standard
## 806
          male
                       group A
                                                some college free/reduced
                                                some college free/reduced
## 807
        female
                       group D
                       group E
                                                 high school free/reduced
  808
        female
## 809
          male
                       group C
                                                 high school
                                                                  standard
## 810
          male
                       group B
                                          bachelor's degree
                                                                  standard
## 811
          male
                       group A
                                            some high school
                                                                  standard
## 812
          male
                       group A
                                                 high school free/reduced
## 813
        female
                       group C
                                            master's degree
                                                                  standard
## 814
          male
                       group E
                                           some high school
                                                                  standard
## 815
        female
                       group C
                                                 high school
                                                                  standard
```

```
## 816
          male
                                           some high school
                                                                  standard
                       group B
## 817
        female
                                          bachelor's degree
                                                                  standard
                       group A
## 818
                       group D
                                          bachelor's degree free/reduced
          male
## 819
        female
                                                 high school free/reduced
                       group B
## 820
        female
                       group C
                                           some high school
                                                                  standard
##
  821
        female
                                           some high school
                                                                  standard
                       group A
## 822
        female
                                          bachelor's degree free/reduced
                       group D
## 823
          male
                       group E
                                                some college free/reduced
## 824
        female
                       group B
                                                 high school free/reduced
## 825
        female
                                           some high school free/reduced
                       group C
  826
          male
                       group C
                                                 high school
                                                                  standard
## 827
        female
                       group C
                                         associate's degree free/reduced
   828
        female
                       group C
                                           some high school
                                                                  standard
## 829
        female
                                           some high school free/reduced
                       group D
##
  830
          male
                                                                  standard
                       group B
                                           some high school
## 831
        female
                                                some college free/reduced
                       group A
##
  832
        female
                                          bachelor's degree free/reduced
                       group C
## 833
          male
                                          bachelor's degree
                                                                  standard
                       group A
##
  834
        female
                                                                  standard
                       group B
                                                 high school
## 835
          male
                       group B
                                                some college
                                                                  standard
##
   836
        female
                       group C
                                                high school
                                                                  standard
##
  837
          male
                       group E
                                                high school
                                                                  standard
## 838
        female
                                                 high school
                                                                  standard
                       group A
## 839
          male
                                         associate's degree free/reduced
                       group B
## 840
        female
                       group C
                                         associate's degree
                                                                  standard
## 841
        female
                       group D
                                                 high school free/reduced
## 842
          male
                       group C
                                           some high school
                                                                  standard
  843
        female
                                                 high school free/reduced
                       group B
## 844
          male
                                                some college free/reduced
                       group B
                                           some high school free/reduced
## 845
        female
                       group D
## 846
          male
                       group E
                                            master's degree
                                                                  standard
## 847
          male
                       group C
                                            master's degree
                                                                  standard
## 848
          male
                       group D
                                                 high school
                                                                  standard
## 849
        female
                       group C
                                                 high school
                                                                  standard
## 850
          male
                       group D
                                         associate's degree
                                                                  standard
                                            master's degree
##
   851
          male
                                                                  standard
                       group C
  852
##
        female
                       group A
                                                high school
                                                                  standard
## 853
        female
                       group E
                                                some college
                                                                  standard
## 854
          male
                       group E
                                           some high school
                                                                  standard
## 855
          male
                                           some high school
                                                                  standard
                       group C
## 856
        female
                                          bachelor's degree
                                                                  standard
                       group B
## 857
          male
                       group B
                                                some college free/reduced
   858
        female
                       group C
                                          bachelor's degree
                                                                  standard
  859
          male
                       group B
##
                                                 high school
                                                                  standard
## 860
          male
                                         associate's degree free/reduced
                       group C
## 861
        female
                       group C
                                         associate's degree
                                                                  standard
                       group E
  862
        female
                                            master's degree free/reduced
## 863
                                          bachelor's degree free/reduced
          male
                       group D
## 864
        female
                       group C
                                                some college
                                                                  standard
## 865
          male
                       group C
                                         associate's degree
                                                                  standard
## 866
          male
                       group D
                                                some college
                                                                  standard
## 867
          male
                       group C
                                                 high school free/reduced
## 868
          male
                       group B
                                         associate's degree
                                                                  standard
## 869
          male
                       group E
                                         associate's degree free/reduced
```

```
## 870
          male
                       group C
                                         associate's degree free/reduced
## 871
          male
                                                 high school
                                                                  standard
                       group B
## 872
        female
                       group C
                                                some college
                                                                  standard
## 873
          male
                                         associate's degree
                                                                  standard
                       group B
## 874
          male
                       group E
                                         associate's degree free/reduced
## 875
        female
                       group C
                                          bachelor's degree free/reduced
## 876
          male
                       group C
                                                some college free/reduced
## 877
          male
                       group D
                                                some college
                                                                  standard
## 878
          male
                       group C
                                           some high school
                                                                  standard
## 879
        female
                       group D
                                           some high school
                                                                  standard
## 880
        female
                       group D
                                         associate's degree
                                                                  standard
## 881
          male
                       group C
                                          bachelor's degree
                                                                  standard
   882
        female
                                          bachelor's degree
                       group E
                                                                  standard
## 883
        female
                       group B
                                                 high school free/reduced
   884
          male
                                          bachelor's degree free/reduced
                       group D
  885
        female
                       group E
                                         associate's degree
                                                                  standard
   886
        female
                                         associate's degree
                                                                  standard
                       group C
   887
        female
                       group E
                                         associate's degree
                                                                  standard
  888
          male
                       group C
                                                 high school free/reduced
## 889
                                                some college free/reduced
        female
                       group D
                                                high school free/reduced
##
   890
          male
                       group D
  891
        female
                       group E
                                                some college
                                                                  standard
## 892
        female
                                         associate's degree
                                                                  standard
                       group E
## 893
        female
                                            master's degree free/reduced
                       group A
## 894
          male
                       group D
                                           some high school
                                                                  standard
   895
        female
                       group E
                                         associate's degree
                                                                  standard
## 896
        female
                       group E
                                           some high school free/reduced
   897
          male
                                                 high school free/reduced
                       group B
## 898
        female
                                           some high school free/reduced
                       group B
   899
          male
                       group D
                                         associate's degree
                                                                  standard
## 900
        female
                       group D
                                           some high school
                                                                  standard
   901
          male
                       group D
                                            master's degree
                                                                  standard
   902
        female
                       group C
                                            master's degree
                                                                  standard
## 903
        female
                       group A
                                                 high school free/reduced
## 904
        female
                       group D
                                          bachelor's degree free/reduced
  905
        female
                                           some high school free/reduced
                       group D
## 906
          male
                       group D
                                                some college
                                                                  standard
## 907
          male
                       group B
                                                high school
                                                                  standard
## 908
        female
                       group D
                                                some college
                                                                  standard
## 909
        female
                                          bachelor's degree free/reduced
                       group C
## 910
          male
                       group E
                                          bachelor's degree
                                                                  standard
## 911
          male
                       group D
                                          bachelor's degree free/reduced
## 912
        female
                                                some college
                       group A
                                                                  standard
## 913
        female
                                          bachelor's degree
                                                                  standard
                       group C
## 914
        female
                                          bachelor's degree free/reduced
                       group C
## 915
                                         associate's degree free/reduced
        female
                       group B
## 916
        female
                                                some college
                       group E
                                                                  standard
## 917
          male
                                          bachelor's degree
                                                                  standard
                       group E
## 918
        female
                       group C
                                                 high school
                                                                  standard
## 919
        female
                       group C
                                         associate's degree
                                                                  standard
## 920
                                                some college
          male
                       group B
                                                                  standard
## 921
          male
                       group D
                                                high school free/reduced
## 922
        female
                       group C
                                                high school free/reduced
## 923
          male
                       group D
                                                 high school
                                                                  standard
```

```
## 924
        female
                                         associate's degree free/reduced
                       group B
## 925
          male
                                                 high school free/reduced
                       group D
## 926
                                                                  standard
          male
                       group E
                                           some high school
## 927
          male
                                         associate's degree free/reduced
                       group E
## 928
        female
                       group D
                                                 high school free/reduced
## 929
          male
                       group E
                                         associate's degree free/reduced
## 930
        female
                                           some high school free/reduced
                       group C
## 931
                       group C
                                                some college free/reduced
          male
## 932
          male
                       group D
                                                some college free/reduced
## 933
          male
                       group D
                                         associate's degree free/reduced
## 934
          male
                       group C
                                          bachelor's degree free/reduced
## 935
          male
                       group C
                                         associate's degree
                                                                  standard
## 936
          male
                       group D
                                                some college free/reduced
## 937
          male
                       group A
                                         associate's degree
                                                                  standard
## 938
        female
                                                 high school free/reduced
                       group E
## 939
          male
                       group D
                                                some college
                                                                  standard
## 940
          male
                       group D
                                           some high school
                                                                  standard
## 941
          male
                       group C
                                            master's degree free/reduced
                                                                  standard
## 942
        female
                                            master's degree
                       group D
## 943
          male
                       group C
                                                 high school
                                                                  standard
## 944
          male
                       group A
                                           some high school free/reduced
## 945
        female
                       group B
                                                 high school
                                                                  standard
## 946
        female
                                         associate's degree
                                                                  standard
                       group C
## 947
          male
                                                 high school
                                                                  standard
                       group B
## 948
        female
                       group D
                                                some college free/reduced
## 949
          male
                       group B
                                           some high school free/reduced
## 950
        female
                       group E
                                                 high school free/reduced
   951
          male
                       group E
                                                 high school
                                                                  standard
## 952
        female
                       group D
                                                                  standard
                                                some college
## 953
        female
                       group E
                                           some high school free/reduced
## 954
          male
                       group C
                                                 high school
                                                                  standard
  955
        female
                       group C
                                                some college
                                                                  standard
## 956
          male
                       group E
                                         associate's degree
                                                                  standard
## 957
          male
                       group C
                                                some college
                                                                  standard
## 958
        female
                       group D
                                            master's degree
                                                                  standard
##
  959
        female
                                                 high school
                                                                  standard
                       group D
## 960
          male
                       group C
                                                 high school
                                                                  standard
## 961
        female
                                                some college
                                                                  standard
                       group A
        female
## 962
                                           some high school free/reduced
                       group D
  963
        female
##
                                         associate's degree
                                                                  standard
                       group E
## 964
        female
                                           some high school free/reduced
                       group C
## 965
          male
                       group D
                                                some college
                                                                  standard
   966
        female
                       group D
                                                some college
                                                                  standard
   967
          male
                       group A
                                                                  standard
##
                                           some high school
## 968
          male
                                                                  standard
                       group C
                                                some college
## 969
        female
                                         associate's degree
                                                                  standard
                       group E
## 970
        female
                       group B
                                          bachelor's degree
                                                                  standard
## 971
        female
                       group D
                                          bachelor's degree
                                                                  standard
## 972
          male
                       group C
                                           some high school
                                                                  standard
## 973
        female
                       group A
                                                 high school free/reduced
                                                some college free/reduced
## 974
        female
                       group D
## 975
        female
                       group A
                                                some college
                                                                 standard
## 976
        female
                       group C
                                                some college
                                                                  standard
## 977
          male
                       group B
                                                some college free/reduced
```

##	978	male	group	C	associate's deg	ree standard
	979	male	group		high sch	
	980	female			-	
	981	female	group		associate's deg	ool free/reduced
	982	male	group		some high sch	
	983	male	group		•	
			group		some high sch	
	984	female	group		some coll	•
	985	female	group		some high sch	
	986	male	group		high sch	
	987	female	group		associate's deg	
	988	male	group		some high sch	
	989	female	group			ool free/reduced
	990	female	group			ege free/reduced
	991	male	group		_	ool free/reduced
	992	female	group		some high sch	
	993	female	group		_	ree free/reduced
	994	female	group		_	ree free/reduced
	995	male	group		high sch	
	996	female	group		master's deg	
	997	male	group	С	_	ool free/reduced
	998	female	group	С	high sch	ool free/reduced
##	999	female	group	D	some coll	•
##	1000	female	group	D	some coll	ege free/reduced
##		test.pi	reparation.cou	ırse	math.score reading.sco	re writing.score
##	1		1	one	72	72 74
##	2		comple	eted	69	90 88
##	3		1	one	90	95 93
##	4		1	one	47	57 44
##	5		1	one	76	78 75
##	6		1	one	71	33 78
##	7		comple	eted	88	95 92
##	8		1	one	40	43 39
##	9		comple	eted	64	67
##	10		1	one	38	50 50
##	11		1	one	58	54 52
##	12		1	one	40	52 43
##	13		1	one	65	31 73
##	14		comple	eted	78	72 70
##	15		1	one	50	53 58
##	16					
##	10		1	one	69	75 78
шп	17			none		
##			1		88	75 78 39 86
	17		1	none none	88 18	75 78 39 86 32 28
##	17 18		comple	none none	88 18 46	75 78 39 86 32 28 42 46
## ##	17 18 19 20		comple i	none none eted none	88 18 46 54	75 78 39 86 32 28 42 46 58 61
## ## ##	17 18 19 20 21		comple r	none none eted none none	88 18 46 54 66	75 78 39 86 32 28 42 46 58 61 69 63
## ## ## ##	17 18 19 20 21 22		comple comple	none eted none none eted	88 18 46 54 66 65	75 78 39 86 32 28 42 46 58 61 69 63 75 70
## ## ## ##	17 18 19 20 21 22 23		comple comple	none eted none eted none eted none	88 18 46 54 66 65 44	75 78 39 86 32 28 42 46 58 61 39 63 75 70 54 53
## ## ## ## ##	17 18 19 20 21 22 23 24		comple comple	none none eted none none eted none	88 18 46 54 66 65 44	75 78 39 86 32 28 42 46 58 61 69 63 75 70 54 53 73 73
## ## ## ## ## ##	17 18 19 20 21 22 23 24 25		comple comple comple i	none eted none eted none none eted none eted	88 18 46 54 66 65 44 69	75 78 389 86 32 28 42 46 58 61 69 63 75 70 54 53 73 73 71 80
## ## ## ## ## ##	17 18 19 20 21 22 23 24 25 26		comple comple comple comple	none eted none eted none eted none eted none eted none	88 18 46 54 66 65 44 69 74 73	75 78 39 86 32 28 42 46 58 61 69 63 75 70 54 53 73 73 71 80 74 72
## ## ## ## ## ##	17 18 19 20 21 22 23 24 25 26 27		comple comple comple comple	none eted none eted none eted none eted none eted none eted none	88 18 46 54 66 65 44 69 74 73 69	75 78 39 86 32 28 42 46 58 61 69 63 75 70 54 53 73 73 71 80 74 72 54 55
## ## ## ## ## ## ##	17 18 19 20 21 22 23 24 25 26 27 28		comple comple comple comple	none eted none	88 18 46 54 66 65 44 69 74 73 69 67	75 78 39 86 32 28 42 46 58 61 69 63 75 70 54 53 73 73 71 80 74 72 54 55 69 75
## ## ## ## ## ## ##	17 18 19 20 21 22 23 24 25 26 27		comple comple comple i	none eted none eted none eted none eted none eted none eted none	88 18 46 54 66 65 44 69 74 73 69 67 70	75 78 39 86 32 28 42 46 58 61 69 63 75 70 54 53 73 73 71 80 74 72 54 55

##	31	none	69	74	74
##	32	none	63	65	61
##	33	none	56	72	65
##	34	none	40	42	38
##	35	none	97	87	82
##	36	completed	81	81	79
##	37	none	74	81	83
##	38	none	50	64	59
##	39	completed	75	90	88
##	40	none	57	56	57
##	41	none	55	61	54
##	42	none	58	73	68
##	43	none	53	58	65
##	44	completed	59	65	66
##	45	none	50	56	54
##	46	none	65	54	57
##	47	completed	55	65	62
##	48	none	66	71	76
##	49	completed	57	74	76
##	50	completed	82	84	82
##		none	53	55	48
##		completed	77	69	68
##		none	53	44	42
##		none	88	78	75
##		completed	71	84	87
##		none	33	41	43
	57	completed	82	85	86
	58	none	52	55	49
	59	completed	58	59	58
	60	none	0	17	10
##	61	completed	79	74	72
##	62	none	39	39	34
	63	none	62	61	55
	64	none	69	80	71
	65	none	59	58	59
##	66	none	67	64	61
##		none	45	37	37
##		none	60	72	74
	69 70	none	61	58	56
	70	none	39	64	57
	71	completed	58	63	73
	72 73	completed	63 41	55 51	63
	74	none	61	51 57	48 56
	75	none	49	49	41
	76	none	49	49	38
	77	none	30	26	22
	78	completed	80	78	81
	79	-	61	74	72
	80	completed none	62	68	68
	81	none	47	49	50
##		none	49	45	45
##		completed	50	47	54
##		none	72	64	63
	<u> </u>	none	12	04	36

##	85	none	42	39	34
##	86	none	73	80	82
##	87	none	76	83	88
##	88	none	71	71	74
##	89	none	58	70	67
##	90	none	73	86	82
	91	none	65	72	74
##	92	none	27	34	36
##	93	none	71	79	71
##	94	completed	43	45	50
##	95	none	79	86	92
##	96	completed	78	81	82
##	97	completed	65	66	62
##	98	completed	63	72	70
##	99	none	58	67	62
##	100	none	65	67	62
##	101	none	79	67	67
##	102	completed	68	74	74
##	103	none	85	91	89
##	104	completed	60	44	47
##	105	completed	98	86	90
##	106	none	58	67	72
##	107	none	87	100	100
##	108	completed	66	63	64
##	109	none	52	76	70
##	110	none	70	64	72
##	111	completed	77	89	98
##	112	none	62	55	49
##	113	none	54	53	47
##	114	none	51	58	54
##	115	completed	99	100	100
	116	none	84	77	74
##	117	none	75	85	82
##	118	none	78	82	79
	119	none	51	63	61
##	120	none	55	69	65
	121	completed	79	92	89
	122	completed	91	89	92
	123	completed	88	93	93
	124	none	63	57	56
	125	none	83	80	73
	126	none	87	95	86
	127	none	72	68	67
	128	completed	65	77	74
	129	none	82	82	74
	130	none	51	49	51
	131	none	89	84	82
	132	completed	53	37	40
	133	completed	87	74	70
	134	completed	75	81	84
	135	completed	74	79	75
	136	none	58	55	48
	137	completed	51	54	41
##	138	none	70	55	56

	139	none	59	66	67
	140	completed	71	61	69
	141	none	76	72	71
	142	none	59	62	64
	143	completed	42	55	54
##	144	none	57	43	47
##	145	none	88	73	78
##	146	none	22	39	33
##	147	none	88	84	75
##	148	none	73	68	66
##	149	completed	68	75	81
##	150	completed	100	100	93
##	151	completed	62	67	69
##	152	none	77	67	68
##	153	completed	59	70	66
##	154	none	54	49	47
##	155	none	62	67	61
##	156	completed	70	89	88
##	157	completed	66	74	78
##	158	none	60	60	60
##	159	completed	61	86	87
##	160	none	66	62	64
##	161	completed	82	78	74
	162	completed	75	88	85
	163	none	49	53	52
	164	none	52	53	49
	165	none	81	92	91
	166	completed	96	100	100
	167	completed	53	51	51
	168	completed	58	76	78
	169	completed	68	83	78
	170	completed	67	75	70
	171	completed	72	73	74
	172	none	94	88	78
	173	none	79	86	81
##	174	none	63	67	70
	175	completed	43	51	54
	176	completed	81	91	87
	177	completed	46	54	58
	178	completed	71	77	77
	179	completed	52	70	62
	180	completed	97	100	100
	181	-	62	68	75
	182	completed	46	64	66
	183	none		50	
	184	none	50 65	69	47 70
		none			
	185	completed	45 65	52 67	49
	186	completed	65	67	65
	187	none	80	76	65
	188	completed	62	66	68
	189	none	48	52	45
	190	none	77	88	87
	191	none	66	65	69
##	192	completed	76	83	79

##	193	none	62	64	66
##	194	completed	77	62	62
##	195	completed	69	84	85
##	196	none	61	55	52
##	197	completed	59	69	65
##	198	none	55	56	51
##	199	none	45	53	55
##	200	none	78	79	76
##	201	completed	67	84	86
##	202	none	65	81	77
##	203	none	69	77	69
##	204	none	57	69	68
##	205	none	59	41	42
##	206	completed	74	71	78
##	207	none	82	62	62
##	208	completed	81	80	76
##	209	none	74	81	76
##	210	none	58	61	66
##	211	completed	80	79	79
##	212	none	35	28	27
##	213	none	42	62	60
##	214	completed	60	51	56
##	215	completed	87	91	81
##	216	completed	84	83	75
##	217	completed	83	86	88
##	218	none	34	42	39
##	219	none	66	77	70
##	220	completed	61	56	56
##	221	completed	56	68	74
##	222	none	87	85	73
##	223	none	55	65	62
##	224	none	86	80	75
##	225	completed	52	66	73
##	226	none	45	56	54
##	227	none	72	72	71
##	228	none	57	50	54
##	229	none	68	72	64
##	230	completed	88	95	94
##	231	none	76	64	66
##	232	none	46	43	42
##	233	none	67	86	83
##	234	none	92	87	78
##	235	completed	83	82	84
##	236	none	80	75	77
##	237	none	63	66	67
##	238	completed	64	60	74
##	239	none	54	52	51
##	240	none	84	80	80
##	241	completed	73	68	66
##	242	none	80	83	83
##	243	none	56	52	55
##	244	none	59	51	43
##	245	none	75	74	69
##	246	none	85	76	71

##	247	none	89	76	74
##	248	completed	58	70	68
##	249	none	65	64	62
##	250	none	68	60	53
##	251	completed	47	49	49
##	252	none	71	83	83
##	253	completed	60	70	70
##	254	none	80	80	72
##	255	none	54	52	52
##	256	none	62	73	70
##	257	none	64	73	68
##	258	completed	78	77	77
##	259	none	70	75	78
##	260	completed	65	81	81
##	261	completed	64	79	77
##	262	completed	79	79	78
##	263	none	44	50	51
##	264	none	99	93	90
##	265	none	76	73	68
##	266	none	59	42	41
	267	none	63	75	81
	268	none	69	72	77
	269	completed	88	92	95
	270	none	71	76	70
	271	none	69	63	61
	272	none	58	49	42
	273	none	47	53	58
	274	none	65	70	71
	275	completed	88	85	76
	276	none	83	78	73
	277	completed	85	92	93
	278	completed	59	63	75
	279	none	65	86	80
	280	none	73	56	57
	281 282	none	53	52	42
	283	none	45	48	46 84
		none	73	79 70	
	284 285	completed none	70 37	78 46	78 46
	286	completed	81	82	82
	287	completed	97	82	88
	288	none	67	89	82
	289	none	88	75	76
	290	completed	77	76	77
	291	none	76	70	68
	292	none	86	73	70
	293	completed	63	60	57
	294	none	65	73	75
	295	completed	78	77	80
	296	none	67	62	60
	297	completed	46	41	43
	298	completed	71	74	68
	299	completed	40	46	50
	300	none	90	87	75

##	301	completed	81	78	81
	302	none	56	54	52
	303	completed	67	84	81
	304	none	80	76	64
	305	completed	74	75	83
	306	none	69	67	69
	307		99	87	81
	308	completed	51	52	44
	309	none	53	71	67
	310		49	57	52
	311	none	73	76	80
	312	none			
	313	none	66 67	60	57
		completed		61	68
	314	completed	68	67	69
	315	completed	59	64	75
	316	none	71	66	65
	317	completed	77	82	91
	318	none	83	72	78
	319	none	63	71	69
	320	none	56	65	63
	321	completed	67	79	84
	322	none	75	86	79
	323	none	71	81	80
	324	none	43	53	53
	325	none	41	46	43
	326	none	82	90	94
	327	none	61	61	62
	328	none	28	23	19
	329	completed	82	75	77
	330	none	41	55	51
	331	none	71	60	61
	332	none	47	37	35
	333	completed	62	56	53
	334	none	90	78	81
	335	none	83	93	95
	336	none	61	68	66
##	337	completed	76	70	69
##	338	none	49	51	43
##	339	none	24	38	27
##	340	completed	35	55	60
##	341	none	58	61	52
##	342	none	61	73	63
##	343	completed	69	76	74
##	344	completed	67	72	67
##	345	none	79	73	67
##	346	none	72	80	75
##	347	none	62	61	57
##	348	completed	77	94	95
##	349	none	75	74	66
##	350	none	87	74	76
	351	none	52	65	69
	352	none	66	57	52
	353	completed	63	78	80
	354	none	46	58	57

##	355	none	59	71	70
##	356	none	61	72	70
##	357	none	63	61	61
##	358	completed	42	66	69
##	359	none	59	62	61
##	360	none	80	90	89
##	361	none	58	62	59
##	362	completed	85	84	78
	363	none	52	58	58
	364	none	27	34	32
	365	none	59	60	58
	366	completed	49	58	60
	367	completed	69	58	53
	368	none	61	66	61
	369	none	44	64	58
##	370	none	73	84	85
##	371	none	84	77	71
	372	completed	45	73	70
	373	none	74	74	72
	374	completed	82	97	96
	375	none	59	70	73
	376	none	46	43	41
##	377	none	80	90	82
	378	completed	85	95	100
##	379	none	71	83	77
	380	none	66	64	62
	381	none	80	86	83
	382	completed	87	100	95
	383	none	79	81	71
	384	none	38	49	45
	385	none	38	43	43
	386	none	67	76	75
	387	none	64	73	70
	388	none	57	78	67
	389	none	62	64	64
	390	none	73	70	75
	391	completed	73	67	59
	392	none	77	68	77
	393	none	76	67	67
	394	completed	57	54	56
	395	completed	65	74	77
	396	none	48	45	41
	397	none	50	67	63
	398	none	85	89	95
	399	none	74	63	57
	400	none	60	59	54
	401	completed	59	54	67
	402	none	53	43	43
	403	none	49	65	55
	404	completed	88	99	100
	405	none	54	59	62
	406	none	63	73	68
	407	completed	65	65	63
##	408	none	82	80	77

	409	completed	52	57	56
	410	completed	87	84	85
	411	completed	70	71	74
	412	completed	84	83	78
	413	none	71	66	60
	414	completed	63	67	67
	415	completed	51	72	79
	416	none	84	73	69
	417	completed	71	74	68
	418	none	74	73	67
	419	none	68	59	62
	420	completed	57	56	54
	421	completed	82	93	93
##	422	completed	57	58	64
	423	completed	47	58	67
##	424	completed	59	85	80
##	425	none	41	39	34
##	426	none	62	67	62
##	427	none	86	83	86
##	428	none	69	71	65
##	429	none	65	59	53
##	430	none	68	63	54
##	431	none	64	66	59
##	432	none	61	72	70
##	433	none	61	56	55
##	434	none	47	59	50
##	435	none	73	66	66
##	436	completed	50	48	53
##	437	none	75	68	64
##	438	none	75	66	73
##	439	none	70	56	51
##	440	completed	89	88	82
##	441	completed	67	81	79
##	442	none	78	81	80
##	443	none	59	73	69
##	444	none	73	83	76
##	445	none	79	82	73
##	446	completed	67	74	77
##	447	none	69	66	60
##	448	completed	86	81	80
##	449	none	47	46	42
##	450	none	81	73	72
##	451	completed	64	85	85
##	452	none	100	92	97
##	453	none	65	77	74
##	454	none	65	58	49
##	455	none	53	61	62
##	456	none	37	56	47
##	457	none	79	89	89
	458	none	53	54	48
	459	none	100	100	100
	460	completed	72	65	68
	461	none	53	58	55
	462	none	54	54	45

	463	none	71	70	76
	464	none	77	90	91
##	465	completed	75	58	62
##	466	none	84	87	91
##	467	none	26	31	38
##	468	completed	72	67	65
##	469	completed	77	88	85
##	470	none	91	74	76
	471	completed	83	85	90
	472	none	63	69	74
	473	completed	68	86	84
	474	none	59	67	61
	475	completed	90	90	91
		-			
	476	completed	71	76	83
##	477	completed	76	62	66
	478	none	80	68	72
	479	none	55	64	70
	480	none	76	71	67
##	481	completed	73	71	68
##	482	none	52	59	56
##	483	none	68	68	61
##	484	none	59	52	46
##	485	none	49	52	54
##	486	none	70	74	71
##	487	none	61	47	56
##	488	none	60	75	74
	489	completed	64	53	57
	490	completed	79	82	82
	491	none	65	85	76
	492	none	64	64	70
	493	none	83	83	90
	494		81	88	90
	495	none		64	68
		none	54		
	496	completed	68	64	66
	497	none	54	48	52
	498	completed	59	78	76
	499	none	66	69	68
	500	none	76	71	72
	501	none	74	79	82
	502	completed	94	87	92
##	503	none	63	61	54
##	504	completed	95	89	92
##	505	none	40	59	54
##	506	none	82	82	80
##	507	none	68	70	66
##	508	none	55	59	54
	509	none	79	78	77
	510	none	86	92	87
	511	none	76	71	73
	512	none	64	50	43
	513	none	62	49	52
	514	completed	54	61	62
	514	-	77	97	94
		completed			
##	516	completed	76	87	85

##	517	none	74	89	84
##	518	completed	66	74	73
##	519	completed	66	78	78
##	520	completed	67	78	79
##	521	none	71	49	52
##	522	none	91	86	84
##	523	none	69	58	57
##	524	none	54	59	50
##	525	completed	53	52	49
##	526	none	68	60	59
##	527	completed	56	61	60
##	528	none	36	53	43
##	529	none	29	41	47
##	530	none	62	74	70
##	531	completed	68	67	73
##	532	none	47	54	53
##	533	completed	62	61	58
	534	completed	79	88	94
	535	completed	73	69	68
	536	completed	66	83	83
	537	completed	51	60	58
	538	none	51	66	62
	539	completed	85	66	71
	540	completed	97	92	86
	541	completed	75 70	69	68
	542 543	completed	79 81	82 77	80 79
	544	none	82	95	89
	545	none	64	63	66
	546	none completed	78	83	80
	547	completed	92	100	97
	548	completed	72	67	64
	549	none	62	67	64
	550	none	79	72	69
	551	none	79	76	65
	552	completed	87	90	88
	553	none	40	48	50
	554	none	77	62	64
	555	none	53	45	40
	556	none	32	39	33
	557	completed	55	72	79
	558	none	61	67	66
	559	none	53	70	70
##	560	none	73	66	62
##	561	completed	74	75	79
##	562	none	63	74	74
##	563	completed	96	90	92
##	564	completed	63	80	80
##	565	none	48	51	46
##	566	none	48	43	45
	567	completed	92	100	100
	568	completed	61	71	78
	569	none	63	48	47
##	570	none	68	68	67

##	571	completed	71	75	70
##	572	none	91	96	92
##	573	none	53	62	56
##	574	completed	50	66	64
##	575	none	74	81	71
##	576	completed	40	55	53
##	577	completed	61	51	52
##	578	none	81	91	89
##	579	completed	48	56	58
##	580	none	53	61	68
##	581	none	81	97	96
	582	none	77	79	80
	583	none	63	73	78
	584	completed	73	75	80
	585	none	69	77	77
	586	none	65	76	76
	587	none	55	73	73
	588	none	44	63	62
	589	none	54	64	65
	590	none	48	66	65
	591	none	58	57	54
	592	none	71	62	50
	593	none	68	68	64
	594	none	74	76	73
	595	completed	92	100	99
	596	completed	56	79	72
	597	none	30	24	15
	598	none	53	54	48
	599	none	69	77	73
	600	none	65	82	81
	601	none	54	60	63
##	602	none	29	29	30
	603	none	76	78	80
	604	none	60	57	51
	605	completed	84	89	90
	606	none	75	72	62
	607	none	85	84	82
	608		40	58	54
	609	none	61	64	62
	610	none	58	63	65
	611	none	69	60	63
	612	completed		59	
	613	none	58 94	90	66 91
	614	completed	65 65	90 77	91 74
	615	none			
	616	none	82	93	93
		none	60	68	72
	617	none	37	45	38
	618	none	88	78	83
	619	none	95 65	81	84
	620	completed	65	73	68
	621	none	35	61	54
	622	none	62	63	56
	623	completed	58	51	52
##	624	completed	100	96	86

##	625	none	61	58	62
	626	completed	100	97	99
##	627	completed	69	70	63
##	628	none	61	48	46
##	629	none	49	57	46
##	630	completed	44	51	55
##	631	none	67	64	70
##	632	none	79	60	65
##	633	completed	66	74	81
##	634	none	75	88	85
##	635	none	84	84	80
##	636	none	71	74	64
##	637	completed	67	80	81
	638	completed	80	92	88
	639	none	86	76	74
	640	none	76	74	73
	641	none	41	52	51
	642	completed	74	88	90
	643	none	72	81	79
	644	completed	74	79	80
	645	none	70	65	60
	646	completed	65	81	81
	647	none	59	70	65
	648	none	64	62	68
	649	none	50	53	55
	650	completed	69	79	81
	651	completed	51	56	53
	652	completed	68	80	76
	653	completed	85	86	98
	654	completed	65	70	74
	655	none	73	79	79
	656	none	62 77	67	67
	657	none	77	67 66	64
	658 659	none	69	66	61
	660	none	43 90	60 87	58 85
	661	none	74	77	73
	662	none			
	663	none	73 55	66 71	63 69
	664	none none	65	69	67
	665	none	80	63	63
	666	completed	50	60	60
	667	completed	63	73	71
	668	none	77	85	87
	669	none	73	74	61
	670	completed	81	72	77
##	671	none	66	76	68
	672	none	52	57	50
	673	none	69	78	76
	674	completed	65	84	84
	675	completed	69	77	78
	676	completed	50	64	66
	677	completed	73	78	76
	678	completed	70	82	76
	-	T		-	. •

	679	none	81	75	78
	680	none	63	61	60
	681	none	67	72	74
	682	none	60	68	60
##	683	none	62	55	54
##	684	completed	29	40	44
##	685	completed	62	66	68
##	686	completed	94	99	100
##	687	completed	85	75	68
##	688	none	77	78	73
##	689	none	53	58	44
##	690	none	93	90	83
##	691	none	49	53	53
##	692	none	73	76	78
##	693	completed	66	74	81
##	694	none	77	77	73
##	695	none	49	63	56
##	696	none	79	89	86
	697	completed	75	82	90
	698	none	59	72	70
	699		57	78	70 79
	700	completed	66	66	
		none			59
	701	completed	79	81	82
	702	none	57	67	72
	703	completed	87	84	87
	704	none	63	64	67
	705	completed	59	63	64
	706	none	62	72	65
	707	none	46	34	36
	708	none	66	59	52
	709	none	89	87	79
	710	completed	42	61	58
	711	completed	93	84	90
	712	completed	80	85	85
	713	none	98	100	99
	714	none	81	81	84
	715	completed	60	70	74
	716	completed	76	94	87
	717	completed	73	78	72
	718	completed	96	96	99
	719	none	76	76	74
##	720	completed	91	73	80
##	721	none	62	72	70
##	722	completed	55	59	59
##	723	completed	74	90	88
##	724	none	50	48	42
##	725	none	47	43	41
##	726	completed	81	74	71
##	727	completed	65	75	77
##	728	completed	68	51	57
##	729	none	73	92	84
##	730	none	53	39	37
##	731	completed	68	77	80
##	732	none	55	46	43

## 733	completed	87	89	94
## 734	none	55	47	44
## 735	none	53	58	57
## 736	none	67	57	59
## 737	none	92	79	84
## 738	completed	53	66	73
## 739	none	81	71	73
## 740	none	61	60	55
## 741	none	80	73	72
## 742	none	37	57	56
## 743	none	81	84	82
## 744	completed	59	73	72
## 745	none	55	55	47
## 746	none	72	79	74
## 747	none	69	75	71
## 748	none	69	64	68
## 749	none	50	60	59
## 750	completed	87	84	86
## 751	completed	71	69	68
## 752	none	68	72	65
## 753	completed	79	77	75
## 754	completed	77	90	85
## 755	none	58	55	53
## 756	none	84	95	92
## 757	none	55	58	52
## 758	completed	70	68	72
## 759	completed	52	59	65
## 760	completed	69	77	77
## 761	none	53	72	64
## 762	none	48	58	54
## 763	completed	78	81	86
## 764	none	62	62	63
## 765	none	60	63	59
## 766	none	74	72	72
## 767	completed	58	75	77
## 768	completed	76	62	60
## 769	none	68	71	75
## 770	none	58	60	57
## 771	none	52	48	49
## 772	none	75	73	74
## 773	completed	52	67	72
## 774	none	62	78	79
## 775	none	66	65	60
## 776	none	49	58	55
## 777	none	66	72	70
## 778	none	35	44	43
## 779	completed	72	79	82
## 780	completed	94	85	82
## 781	none	46	56	57
## 782	none	77	90	84
## 783	completed	76	85	82
## 784	completed	52	59	62
## 785	completed	91	81	79
## 786	completed	32	51	44
	•			

	787	none	72	79	77
	788	none	19	38	32
	789	none	68	65	61
	790	none	52	65	61
##	791	none	48	62	60
##	792	none	60	66	70
##	793	none	66	74	69
##	794	completed	89	84	77
##	795	none	42	52	51
##	796	completed	57	68	73
##	797	none	70	70	70
##	798	none	70	84	81
##	799	none	69	60	54
##	800	none	52	55	57
##	801	completed	67	73	68
##	802	completed	76	80	73
##	803	none	87	94	95
##	804	none	82	85	87
##	805	none	73	76	78
##	806	none	75	81	74
##	807	none	64	74	75
##	808	none	41	45	40
##	809	none	90	75	69
##	810	none	59	54	51
##	811	none	51	31	36
##	812	none	45	47	49
##	813	completed	54	64	67
##	814	completed	87	84	76
##	815	none	72	80	83
##	816	completed	94	86	87
##	817	none	45	59	64
##	818	completed	61	70	76
##	819	none	60	72	68
##	820	none	77	91	88
##	821	completed	85	90	92
##	822	none	78	90	93
##	823	completed	49	52	51
##	824	none	71	87	82
##	825	none	48	58	52
##	826	none	62	67	58
##	827	completed	56	68	70
##	828	none	65	69	76
##	829	completed	69	86	81
	830	none	68	54	53
##	831	none	61	60	57
	832	completed	74	86	89
##	833	none	64	60	58
	834	completed	77	82	89
	835	none	58	50	45
	836	completed	60	64	74
	837	none	73	64	57
	838	completed	75	82	79
	839	completed	58	57	53
	840	none	66	77	73
		10110	30	• • •	, 0

##	841	none	39	52	46
##	842	none	64	58	51
##	843	completed	23	44	36
##	844	completed	74	77	76
	845	completed	40	65	64
	846	none	90	85	84
	847	completed	91	85	85
	848	none	64	54	50
	849	none	59	72	68
	850	none	80	75	69
	851	none	71	67	67
	852	none	61	68	63
	853	none	87	85	93
	854	none	82	67	61
	855	none	62	64	55
	856	none	97	97	96
	857	none	75	68	65
	858	none	65	79	81
	859	completed	52	49	46
	860	none	87	73	72
	861	none	53	62	53
	862	none	81	86	87
	863	completed	39	42	38
	864	completed	71	71	80
	865	none	97	93	91
	866 867	completed	82 59	82 53	88 52
	868	none	61	42	41
	869	none	78	74	72
	870	completed none	49	51	51
	871	none	59	58	47
	872	completed	70	72	76
	873	completed	82	84	78
	874	none	90	90	82
	875	none	43	62	61
	876	none	80	64	66
	877	none	81	82	84
##	878	none	57	61	54
	879	none	59	72	80
	880	none	64	76	74
##	881	completed	63	64	66
	882	completed	71	70	70
##	883	none	64	73	71
##	884	none	55	46	44
##	885	none	51	51	54
##	886	completed	62	76	80
##	887	completed	93	100	95
##	888	none	54	72	59
##	889	none	69	65	74
##	890	none	44	51	48
##	891	completed	86	85	91
	892	none	85	92	85
	893	none	50	67	73
##	894	completed	88	74	75

##	895	none	59	62	69
##	896	none	32	34	38
##	897	none	36	29	27
##	898	completed	63	78	79
##	899	completed	67	54	63
##	900	completed	65	78	82
##	901	none	85	84	89
##	902	none	73	78	74
##	903	completed	34	48	41
##	904	completed	93	100	100
##	905	none	67	84	84
##	906	none	88	77	77
##	907	none	57	48	51
##	908	completed	79	84	91
##	909	none	67	75	72
	910	completed	70	64	70
	911	none	50	42	48
	912	none	69	84	82
	913	completed	52	61	66
	914	completed	47	62	66
	915	none	46	61	55
	916	none	68	70	66
	917	completed	100	100	100
	918	none	44	61	52
	919	completed	57	77	80
	920 921	completed	91 69	96 70	91 67
	922	none	35	53	46
	923	none	72	66	66
	924	none	54	65	65
	925	none	74	70	69
	926	completed	74	64	60
	927	none	64	56	52
	928	completed	65	61	71
	929	completed	46	43	44
	930	none	48	56	51
##	931	completed	67	74	70
	932	none	62	57	62
	933	completed	61	71	73
##	934	completed	70	75	74
##	935	completed	98	87	90
##	936	none	70	63	58
##	937	none	67	57	53
##	938	none	57	58	57
##	939	completed	85	81	85
##	940	completed	77	68	69
##	941	completed	72	66	72
##	942	none	78	91	96
##	943	none	81	66	64
##	944	completed	61	62	61
	945	none	58	68	61
	946	none	54	61	58
	947	none	82	82	80
##	948	none	49	58	60

##	949	completed	49	50	52
##	950	completed	57	75	73
##	951	none	94	73	71
##	952	completed	75	77	83
##	953	none	74	74	72
##	954	completed	58	52	54
##	955	none	62	69	69
##	956	none	72	57	62
##	957	none	84	87	81
##	958	none	92	100	100
##	959	none	45	63	59
##	960	none	75	81	71
##	961	none	56	58	64
##	962	none	48	54	53
##	963	none	100	100	100
##	964	completed	65	76	75
##	965	none	72	57	58
##	966	none	62	70	72
##	967	completed	66	68	64
##	968	none	63	63	60
	969	none	68	76	67
##	970	none	75	84	80
	971	none	89	100	100
	972	completed	78	72	69
	973	completed	53	50	60
	974	none	49	65	61
	975	none	54	63	67
	976	completed	64	82	77
	977	completed	60	62	60
	978	none	62	65	58
	979	completed	55	41	48
	980	none	91	95	94
	981	none	8	24	23
	982	none	81	78	78
	983	completed	79	85	86
	984	completed	78	87	91
	985	none	74	75	82
	986	none	57	51	54
	987	none	40	59	51
	988	completed	81	75	76
	989	none	44	45	45
	990	completed	67	86	83
	991	completed	86	81	75 70
	992	completed	65	82	78
	993	none	55	76	76
	994	none	62	72	74
	995	none	63	63	62
	996	completed	88	99	95
	997	none	62	55	55
	998	completed	59	71	65 77
	999	completed	68	78	77
##	1000	none	77	86	86

remove missing values

##		gender	race.ethnicity	parental.level.of.education	lunch
##	1	female	group B	bachelor's degree	standard
##	2	female	group C	some college	standard
##	3	female	group B	master's degree	standard
##	4	male	group A	associate's degree	free/reduced
##	5	male	group C	some college	standard
##	6	female	group B	associate's degree	standard
##	7	female	group B	some college	standard
##	8	male	group B	some college	free/reduced
##	9	male	group D	=	free/reduced
##	10	female	group B	high school	free/reduced
##	11	male	group C	associate's degree	standard
##	12	male	group D	associate's degree	standard
##	13	female	group B	high school	standard
##	14	male	group A	some college	standard
##	15	female	group A	master's degree	standard
##	16	female	group C	some high school	standard
##	17	male	group C	high school	standard
##	18	female	group B	some high school	free/reduced
##	19	male	group C	master's degree	free/reduced
##	20	female	group C	associate's degree	free/reduced
##	21	male	group D	high school	standard
##	22	female	group B	some college	free/reduced
##	23	male	group D	some college	standard
##	24	female	group C	some high school	standard
##	25	male	group D	bachelor's degree	free/reduced
##	26	male	group A	master's degree	free/reduced
##	27	male	group B	some college	standard
##	28	female	group C	bachelor's degree	standard
##	29	male	group C	high school	standard
##	30	female	group D	master's degree	standard
##		female	group D	some college	standard
##		female	group B	some college	standard
##	33	female	group E	master's degree	free/reduced
	34	male	group D	some college	standard
##		male	group E	some college	standard
##		male	group E	associate's degree	standard
##		female	group D	associate's degree	standard
	38	female	group D	some high school	
	39	female	group D	associate's degree	
##		male	group B	associate's degree	
##		male	group C	associate's degree	
	42	female	group C	associate's degree	standard
	43	female	group B	associate's degree	standard
	44	male	group B	=	free/reduced
##		female	group E	associate's degree	
##		male	group B	associate's degree	standard
	47	female	group A	associate's degree	standard
	48	female	group C	high school	standard
##		female	group D	associate's degree	
##	50	male	group C	high school	standard

##	51	male	group	Ε	some college	standard
##	52	male	group		associate's degree	
##	53	male	group		some college	standard
##	54	male	group		high school	standard
##	55	female	group		some high school	free/reduced
##	56	female	group			free/reduced
##	57	female	group	E	associate's degree	standard
##	58	male	group	D	associate's degree	standard
##	59	male	group	D	some college	standard
##	60	female	group	C	some high school	free/reduced
##	61	male	group	E	bachelor's degree	free/reduced
##	62	male	group	A	some high school	free/reduced
##	63	male	group	A	associate's degree	
##		female	group		associate's degree	standard
##		female	group		some high school	standard
##		male	group		some high school	standard
##		male	group		some high school	
##		female	group		some college	standard
##		male	group		associate's degree	
##		female	group		associate's degree	standard
##		female	group			free/reduced
##		male	group		some college	standard
##		female	group		associate's degree	
##		male	group		some high school	
##		male	group		some high school	standard
##	76 77	male male	group		associate's degree	
	78	male	group		some high school	
##		female	group		bachelor's degree some high school	standard standard
##		female	group group		master's degree	standard
##		female	group		associate's degree	standard
##		male	group		_	free/reduced
##		male	group			free/reduced
##		male	group		associate's degree	standard
##		male	group		_	free/reduced
##		female	group		some college	standard
##		female	group			free/reduced
##	88	female	group		associate's degree	
##		female	group		some college	standard
##	90	female	group		some high school	standard
##	91	female	group		bachelor's degree	standard
##	92	male	group			free/reduced
##	93	male	group	С	high school	standard
##	94	male	group	С	associate's degree	free/reduced
##	95	female	group	В	some college	standard
##	96	male	group	C	associate's degree	free/reduced
##	97	male	group	В	some high school	standard
##	98	female	group	E	some college	standard
##	99	female	group	D	some college	free/reduced
##	100	female	group	D	bachelor's degree	standard
	101		group		some college	standard
	102		group		bachelor's degree	standard
	103		group		associate's degree	standard
##	104	male	group	В	high school	standard

```
## 105
          male
                                                some college
                                                                  standard
                       group C
## 106
        female
                                                                  standard
                       group C
                                                some college
                                             master's degree
## 107
        female
                       group D
                                                                  standard
## 108
          male
                       group E
                                          associate's degree
                                                                  standard
## 109
        female
                       group B
                                          associate's degree free/reduced
        female
## 110
                                            some high school
                       group B
                                                                  standard
## 111
        female
                                          associate's degree free/reduced
                       group D
## 112
                       group C
          male
                                                 high school
                                                                  standard
## 113
          male
                       group A
                                          associate's degree
                                                                  standard
## 114
        female
                       group D
                                                some college
                                                                  standard
## 115
        female
                       group E
                                          bachelor's degree
                                                                  standard
## 116
          male
                       group C
                                                                  standard
                                                 high school
## 117
        female
                       group B
                                           bachelor's degree free/reduced
## 118
        female
                       group D
                                          bachelor's degree
                                                                  standard
## 119
        female
                                                                  standard
                       group D
                                            some high school
## 120
        female
                       group C
                                                some college
                                                                  standard
## 121
        female
                                           bachelor's degree
                                                                  standard
                       group C
## 122
          male
                       group B
                                          associate's degree
                                                                  standard
## 123
        female
                                                                  standard
                       group C
                                                some college
## 124
          male
                       group D
                                                 high school free/reduced
## 125
          male
                       group E
                                                some college
                                                                  standard
## 126
        female
                                                 high school
                                                                  standard
                       group B
## 127
          male
                                                                  standard
                       group B
                                            some high school
## 128
          male
                                                                  standard
                       group D
                                                some college
## 129
          male
                       group D
                                             master's degree
                                                                  standard
## 130
        female
                       group A
                                          bachelor's degree
                                                                  standard
## 131
          male
                       group D
                                             master's degree
                                                                  standard
## 132
          male
                       group C
                                            some high school free/reduced
                                                some college free/reduced
## 133
          male
                       group E
## 134
        female
                       group C
                                                some college
                                                                  standard
## 135
          male
                       group D
                                           bachelor's degree free/reduced
## 136
          male
                       group C
                                          bachelor's degree
                                                                  standard
## 137
          male
                       group B
                                            some high school
                                                                  standard
## 138
          male
                       group E
                                                 high school
                                                                  standard
## 139
        female
                       group C
                                          associate's degree
                                                                  standard
## 140
          male
                       group D
                                                some college
                                                                  standard
## 141
        female
                       group D
                                            some high school
                                                                  standard
## 142
        female
                       group C
                                                some college free/reduced
## 143
        female
                                                some college free/reduced
                       group E
## 144
          male
                       group A
                                                 high school
                                                                  standard
## 145
          male
                                                                  standard
                       group D
                                                some college
## 146
        female
                       group C
                                                some college free/reduced
## 147
          male
                       group B
                                            some high school
                                                                  standard
## 148
          male
                       group C
                                          associate's degree free/reduced
## 149
        female
                       group D
                                          bachelor's degree
                                                                  standard
## 150
          male
                                          associate's degree free/reduced
                       group E
## 151
          male
                       group A
                                            some high school
                                                                  standard
## 152
          male
                       group A
                                           bachelor's degree
                                                                  standard
## 153
        female
                       group B
                                          associate's degree
                                                                  standard
## 154
          male
                       group D
                                          bachelor's degree
                                                                  standard
## 155
          male
                       group D
                                            some high school
                                                                  standard
## 156
        female
                       group C
                                                some college
                                                                  standard
## 157
        female
                       group E
                                                 high school free/reduced
## 158
          male
                       group B
                                                some college free/reduced
```

```
## 159
        female
                                         associate's degree
                       group B
## 160
          male
                                         associate's degree free/reduced
                       group D
## 161
                       group B
          male
                                         associate's degree free/reduced
## 162
        female
                                                some college free/reduced
                       group E
## 163
          male
                       group B
                                            master's degree free/reduced
## 164
          male
                                                high school
                                                                  standard
                       group C
                                            master's degree
## 165
        female
                       group E
                                                                  standard
## 166
        female
                       group C
                                          bachelor's degree
                                                                  standard
## 167
          male
                       group C
                                                 high school free/reduced
## 168
        female
                       group B
                                            master's degree free/reduced
## 169
        female
                       group B
                                                high school
                                                                  standard
## 170
                                                some college free/reduced
        female
                       group C
## 171
          male
                       group A
                                                high school
                                                                  standard
## 172
          male
                       group E
                                           some high school
                                                                 standard
## 173
        female
                                                some college
                                                                  standard
                       group D
## 174
        female
                       group C
                                         associate's degree
                                                                  standard
## 175
        female
                       group C
                                          bachelor's degree free/reduced
## 176
        female
                       group C
                                            master's degree
                                                                  standard
## 177
        female
                       group B
                                                high school free/reduced
## 178
        female
                       group C
                                         associate's degree
                                                                  standard
## 179
        female
                       group B
                                            master's degree free/reduced
## 180
        female
                                           some high school
                       group D
                                                                  standard
## 181
          male
                                            master's degree free/reduced
                       group C
## 182
        female
                                                some college free/reduced
                       group C
## 183
        female
                       group E
                                                high school
                                                                  standard
## 184
        female
                       group D
                                         associate's degree
                                                                  standard
## 185
          male
                       group C
                                           some high school free/reduced
## 186
                                         associate's degree free/reduced
          male
                       group C
## 187
          male
                       group E
                                                high school
                                                                 standard
## 188
          male
                       group D
                                           some high school
                                                                  standard
## 189
          male
                       group B
                                           some high school free/reduced
## 190
        female
                       group C
                                          bachelor's degree
                                                                  standard
## 191
        female
                       group E
                                         associate's degree
                                                                  standard
## 192
          male
                                                                  standard
                       group D
                                                some college
## 193
        female
                       group B
                                           some high school
                                                                  standard
## 194
          male
                                                                  standard
                       group D
                                               some college
## 195
        female
                       group C
                                            master's degree
                                                                  standard
## 196
          male
                       group D
                                         associate's degree
                                                                  standard
## 197
          male
                       group C
                                           some high school free/reduced
## 198
          male
                                                high school free/reduced
                       group E
## 199
        female
                                                some college free/reduced
                       group B
## 200
        female
                       group B
                                          bachelor's degree free/reduced
## 201
        female
                       group C
                                         associate's degree
                                                                  standard
## 202
        female
                                                some college free/reduced
                       group D
## 203
          male
                       group C
                                         associate's degree
                                                                  standard
## 204
        female
                                         associate's degree
                                                                  standard
                       group B
## 205
          male
                       group C
                                                some college
                                                                  standard
## 206
          male
                       group D
                                           some high school
                                                                  standard
## 207
          male
                       group E
                                          bachelor's degree
                                                                  standard
## 208
          male
                       group E
                                                high school
                                                                  standard
                                                some college free/reduced
## 209
        female
                       group B
## 210
        female
                       group B
                                               some college free/reduced
## 211
          male
                       group D
                                           some high school free/reduced
## 212
          male
                       group C
                                                some college free/reduced
```

```
## 213
       female
                       group C
                                                 high school free/reduced
                                          associate's degree free/reduced
## 214
          male
                       group C
## 215
          male
                       group E
                                                 high school
                                                                  standard
## 216
          male
                       group B
                                            some high school
                                                                  standard
## 217
        female
                       group E
                                          associate's degree free/reduced
## 218
        female
                       group C
                                                 high school free/reduced
## 219
          male
                       group B
                                                 high school free/reduced
## 220
          male
                       group B
                                            some high school
                                                                  standard
## 221
        female
                       group D
                                                 high school
                                                                  standard
## 222
          male
                       group B
                                          associate's degree
                                                                  standard
## 223
        female
                       group C
                                            some high school free/reduced
## 224
          male
                                            some high school
                                                                  standard
                       group D
   225
        female
                       group B
                                          associate's degree
                                                                  standard
## 226
        female
                       group E
                                             master's degree free/reduced
## 227
        female
                                                some college
                                                                  standard
                       group C
## 228
          male
                       group D
                                                 high school
                                                                  standard
## 229
          male
                                            some high school free/reduced
                       group A
## 230
        female
                       group C
                                                some college
                                                                  standard
## 231
          male
                                                                  standard
                       group D
                                                some college
## 232
          male
                       group C
                                          associate's degree
                                                                  standard
##
  233
        female
                       group B
                                          bachelor's degree
                                                                  standard
## 234
          male
                       group E
                                            some high school
                                                                  standard
## 235
          male
                       group C
                                          bachelor's degree
                                                                  standard
## 236
          male
                                          associate's degree
                                                                  standard
                       group D
## 237
          male
                       group D
                                          bachelor's degree free/reduced
## 238
        female
                       group D
                                            some high school
                                                                  standard
## 239
          male
                       group B
                                                some college
                                                                  standard
## 240
          male
                                                                  standard
                       group C
                                          associate's degree
## 241
          male
                                                 high school free/reduced
                       group D
## 242
        female
                       group E
                                          bachelor's degree
                                                                  standard
## 243
        female
                       group D
                                                 high school
                                                                  standard
## 244
          male
                       group E
                                                some college
                                                                  standard
## 245
          male
                       group D
                                            some high school
                                                                  standard
## 246
          male
                       group C
                                          associate's degree
                                                                  standard
## 247
          male
                       group E
                                          associate's degree
                                                                  standard
  248
        female
                                                 high school
                                                                  standard
                       group B
## 249
        female
                       group B
                                                 high school
                                                                  standard
## 250
          male
                       group C
                                                 high school
                                                                  standard
## 251
          male
                                            some high school
                                                                  standard
                       group A
## 252
        female
                                                some college free/reduced
                       group D
## 253
        female
                                            some high school
                                                                  standard
                       group B
## 254
          male
                       group D
                                             master's degree
                                                                  standard
   255
          male
                       group D
                                                 high school
                                                                  standard
   256
        female
##
                       group E
                                                some college
                                                                  standard
## 257
        female
                                          associate's degree free/reduced
                       group C
                                                                  standard
## 258
                                          associate's degree
          male
                       group C
   259
        female
                       group B
                                                some college
                                                                  standard
##
  260
        female
                       group C
                                             master's degree free/reduced
## 261
        female
                       group C
                                            some high school free/reduced
## 262
          male
                       group C
                                                some college
                                                                  standard
   263
        female
                       group C
                                            some high school free/reduced
        female
## 264
                       group E
                                                 high school
                                                                  standard
## 265
          male
                       group D
                                                 high school
                                                                  standard
## 266
          male
                       group D
                                            some high school free/reduced
```

```
## 267
        female
                                          bachelor's degree
                                                                  standard
                       group C
## 268
        female
                                                                  standard
                                                 high school
                       group D
## 269
                       group D
        female
                                         associate's degree
                                                                  standard
  270
        female
##
                       group E
                                                some college free/reduced
## 271
          male
                       group C
                                          bachelor's degree
                                                                  standard
## 272
          male
                       group C
                                                some college
                                                                  standard
## 273
        female
                                         associate's degree free/reduced
                       group D
## 274
        female
                       group D
                                                some college
                                                                  standard
## 275
          male
                       group B
                                                some college
                                                                  standard
## 276
          male
                       group C
                                          bachelor's degree
                                                                  standard
## 277
        female
                       group C
                                           some high school
                                                                  standard
## 278
        female
                       group E
                                                 high school
                                                                  standard
  279
        female
                       group C
                                           some high school free/reduced
## 280
          male
                       group B
                                          bachelor's degree free/reduced
## 281
          male
                       group D
                                                 high school
                                                                  standard
## 282
          male
                       group D
                                                 high school
                                                                  standard
  283
        female
                                          bachelor's degree free/reduced
                       group D
   284
        female
                       group D
                                                some college free/reduced
  285
        female
                       group B
                                           some high school
                                                                  standard
## 286
          male
                       group B
                                         associate's degree
                                                                  standard
##
  287
          male
                       group E
                                         associate's degree
                                                                  standard
## 288
        female
                                           some high school
                                                                  standard
                       group B
## 289
                                          bachelor's degree free/reduced
          male
                       group B
## 290
          male
                                           some high school
                                                                  standard
                       group E
## 291
          male
                       group C
                                         associate's degree
                                                                  standard
## 292
          male
                       group D
                                           some high school
                                                                  standard
## 293
          male
                       group C
                                           some high school
                                                                  standard
## 294
        female
                       group E
                                          bachelor's degree
                                                                  standard
## 295
                                                 high school free/reduced
          male
                       group D
## 296
          male
                       group B
                                         associate's degree free/reduced
## 297
          male
                       group A
                                           some high school
                                                                  standard
## 298
          male
                       group E
                                         associate's degree
                                                                  standard
## 299
          male
                       group C
                                                 high school free/reduced
                                         associate's degree free/reduced
## 300
          male
                       group D
## 301
          male
                                                some college free/reduced
                       group A
                                           some high school free/reduced
  302
          male
                       group D
## 303
        female
                       group C
                                         associate's degree
                                                                  standard
## 304
          male
                                         associate's degree
                                                                  standard
                       group B
## 305
        female
                                         associate's degree
                                                                  standard
                       group C
## 306
          male
                       group A
                                                                  standard
                                                some college
  307
          male
                                                some college
                                                                  standard
                       group E
## 308
          male
                       group C
                                           some high school
                                                                  standard
   309
        female
                       group B
                                         associate's degree free/reduced
   310
        female
                       group D
                                                 high school free/reduced
##
## 311
        female
                       group B
                                         associate's degree
                                                                  standard
## 312
          male
                                          bachelor's degree
                                                                  standard
                       group B
## 313
          male
                       group D
                                          bachelor's degree
                                                                  standard
## 314
                                         associate's degree free/reduced
        female
                       group C
## 315
        female
                       group C
                                          bachelor's degree
                                                                  standard
## 316
          male
                       group C
                                                 high school
                                                                  standard
## 317
        female
                       group D
                                            master's degree
                                                                  standard
## 318
          male
                       group C
                                         associate's degree
                                                                  standard
## 319
          male
                       group B
                                          bachelor's degree
                                                                  standard
## 320
        female
                       group D
                                         associate's degree free/reduced
```

```
## 321
        female
                       group C
                                                 high school free/reduced
                                                                  standard
## 322
        female
                       group E
                                                 high school
## 323
        female
                       group C
                                                some college
                                                                  standard
  324
        female
                       group C
                                            some high school free/reduced
   325
        female
                       group C
                                                 high school free/reduced
##
   326
        female
                                                                  standard
                       group C
                                                some college
## 327
          male
                                                                  standard
                       group C
                                                some college
## 328
          male
                       group A
                                                some college free/reduced
## 329
          male
                       group C
                                          associate's degree
                                                                  standard
## 330
        female
                       group B
                                            some high school
                                                                  standard
   331
          male
                       group C
                                                 high school
                                                                  standard
## 332
                                          associate's degree
          male
                       group C
                                                                  standard
  333
##
          male
                       group E
                                          associate's degree
                                                                  standard
  334
##
          male
                       group B
                                          associate's degree
                                                                  standard
  335
        female
                                          bachelor's degree
                                                                  standard
                       group C
   336
        female
                       group B
                                                some college free/reduced
##
  337
          male
                       group D
                                            some high school
                                                                  standard
   338
##
          male
                       group C
                                          associate's degree
                                                                  standard
                                            some high school free/reduced
  339
        female
                       group B
   340
                                            some high school free/reduced
##
        female
                       group D
                                                 high school free/reduced
##
   341
          male
                       group C
   342
        female
                       group C
                                                 high school
                                                                  standard
## 343
        female
                                                 high school
                                                                  standard
                       group B
## 344
          male
                                          associate's degree
                                                                  standard
                       group D
## 345
          male
                       group D
                                                some college
                                                                  standard
   346
        female
                       group C
                                                 high school
                                                                  standard
## 347
          male
                       group B
                                                some college
                                                                  standard
   348
        female
                       group C
                                           bachelor's degree
                                                                  standard
##
   349
          male
                                                 high school free/reduced
                       group D
   350
          male
                       group E
                                          associate's degree
                                                                  standard
## 351
        female
                       group B
                                           bachelor's degree
                                                                  standard
##
   352
          male
                       group E
                                                some college
                                                                  standard
   353
        female
                       group C
                                                some college
                                                                  standard
   354
        female
                       group C
                                          associate's degree
                                                                  standard
   355
        female
                       group C
                                                some college
                                                                  standard
##
   356
        female
                       group B
                                          bachelor's degree
                                                                  standard
##
  357
          male
                       group A
                                          associate's degree
                                                                  standard
##
  358
        female
                       group C
                                                some college free/reduced
##
  359
          male
                                                some college free/reduced
                       group D
  360
                                                                  standard
##
        female
                       group D
                                                some college
   361
        female
                                                 high school
                                                                  standard
                       group B
##
  362
          male
                       group B
                                            some high school
                                                                  standard
   363
        female
                       group C
                                                some college
                                                                  standard
   364
        female
##
                       group D
                                            some high school free/reduced
   365
          male
                       group C
                                                some college
                                                                  standard
## 366
          male
                                           bachelor's degree free/reduced
                       group A
##
  367
          male
                       group C
                                                 high school
                                                                  standard
## 368
          male
                       group C
                                           bachelor's degree free/reduced
                                            some high school free/reduced
  369
        female
                       group A
## 370
        female
                       group D
                                            some high school
                                                                  standard
  371
          male
                       group E
                                                some college
                                                                  standard
## 372
        female
                       group C
                                                some college free/reduced
## 373
          male
                       group D
                                            some high school
                                                                  standard
## 374
       female
                       group D
                                                some college
                                                                  standard
```

```
## 375
        female
                                           bachelor's degree
                                                                  standard
                       group D
## 376
          male
                                         associate's degree free/reduced
                       group E
## 377
        female
                       group D
                                           some high school
                                                                  standard
  378
        female
                       group D
                                            master's degree free/reduced
##
   379
        female
                       group A
                                            some high school
                                                                  standard
##
   380
          male
                                          bachelor's degree
                       group A
                                                                  standard
   381
        female
                                         associate's degree
                       group B
                                                                  standard
## 382
                       group C
          male
                                         associate's degree
                                                                  standard
## 383
          male
                       group C
                                             master's degree free/reduced
## 384
        female
                       group E
                                            some high school free/reduced
   385
        female
                       group A
                                            some high school free/reduced
   386
                                                some college
        female
                                                                  standard
##
                       group E
   387
        female
                       group E
                                           bachelor's degree
                                                                  standard
   388
        female
##
                       group C
                                         associate's degree free/reduced
   389
        female
                                                                  standard
                       group D
                                                 high school
## 390
          male
                       group D
                                             master's degree
                                                                  standard
## 391
          male
                                            some high school free/reduced
                       group E
## 392
        female
                       group D
                                                some college
                                                                  standard
## 393
          male
                       group E
                                                some college
                                                                  standard
## 394
          male
                       group C
                                         associate's degree
                                                                  standard
##
  395
        female
                       group C
                                            some high school
                                                                  standard
   396
          male
                                                 high school free/reduced
                       group A
## 397
        female
                                                 high school free/reduced
                       group B
                                         associate's degree
## 398
        female
                                                                  standard
                       group C
## 399
          male
                       group B
                                            some high school
                                                                  standard
## 400
          male
                       group D
                                            some high school
                                                                  standard
## 401
        female
                       group C
                                            some high school
                                                                  standard
## 402
          male
                       group A
                                                some college
                                                                  standard
## 403
                                                some college free/reduced
        female
                       group A
## 404
        female
                       group D
                                                 high school
                                                                  standard
## 405
        female
                       group C
                                                 high school
                                                                  standard
  406
        female
                       group C
                                            some high school
                                                                  standard
## 407
          male
                       group B
                                         associate's degree
                                                                  standard
## 408
        female
                                         associate's degree
                       group B
                                                                  standard
## 409
        female
                       group D
                                                 high school free/reduced
                                         associate's degree
## 410
          male
                       group D
                                                                  standard
## 411
        female
                       group D
                                             master's degree
                                                                  standard
## 412
          male
                                                some college
                                                                  standard
                       group E
## 413
          male
                                         associate's degree
                                                                  standard
                       group D
## 414
          male
                                                                  standard
                       group B
                                           some high school
## 415
        female
                                          bachelor's degree free/reduced
                       group C
## 416
          male
                       group E
                                                 high school
                                                                  standard
## 417
                                           bachelor's degree
          male
                       group C
                                                                  standard
## 418
          male
                                         associate's degree
                       group C
                                                                  standard
## 419
          male
                       group D
                                                some college
                                                                  standard
## 420
          male
                                                 high school free/reduced
                       group E
                       group C
## 421
        female
                                         associate's degree free/reduced
## 422
        female
                       group D
                                                 high school
                                                                  standard
## 423
        female
                       group D
                                             master's degree free/reduced
## 424
        female
                       group A
                                            some high school
                                                                  standard
## 425
          male
                       group B
                                                some college free/reduced
## 426
        female
                       group C
                                                some college free/reduced
## 427
          male
                       group C
                                          bachelor's degree
                                                                  standard
## 428
          male
                       group C
                                            some high school free/reduced
```

```
## 429
          male
                                            some high school free/reduced
                       group A
## 430
          male
                                            some high school free/reduced
                       group C
## 431
          male
                       group C
                                         associate's degree free/reduced
## 432
        female
                       group C
                                                 high school
                                                                  standard
## 433
          male
                       group C
                                                 high school
                                                                  standard
## 434
        female
                                            some high school free/reduced
                       group A
## 435
          male
                       group C
                                            some high school
                                                                  standard
## 436
                       group C
          male
                                                some college free/reduced
## 437
          male
                       group D
                                         associate's degree
                                                                  standard
## 438
          male
                       group D
                                         associate's degree free/reduced
## 439
          male
                       group C
                                                 high school
                                                                  standard
## 440
          male
                                            some high school
                                                                  standard
                       group D
## 441
        female
                       group C
                                                some college
                                                                  standard
## 442
        female
                                                 high school
                       group D
                                                                  standard
## 443
        female
                                            some high school free/reduced
                       group A
## 444
        female
                                         associate's degree
                                                                  standard
                       group B
## 445
          male
                                            some high school free/reduced
                       group A
## 446
        female
                       group C
                                            some high school
                                                                  standard
## 447
          male
                       group D
                                                some college free/reduced
## 448
          male
                       group C
                                                 high school
                                                                  standard
## 449
          male
                       group B
                                                 high school
                                                                  standard
## 450
          male
                                         associate's degree
                                                                  standard
                       group B
## 451
        female
                       group C
                                                some college free/reduced
## 452
        female
                       group E
                                                some college
                                                                  standard
        female
## 453
                       group C
                                         associate's degree free/reduced
## 454
          male
                       group C
                                                some college free/reduced
## 455
        female
                       group C
                                         associate's degree free/reduced
   456
                                          bachelor's degree free/reduced
          male
                       group C
  457
        female
                                          bachelor's degree
##
                       group D
                                                                  standard
  458
          male
                       group D
                                         associate's degree free/reduced
## 459
        female
                       group E
                                          bachelor's degree
                                                                  standard
  460
          male
                       group B
                                                 high school
                                                                  standard
## 461
          male
                       group C
                                          bachelor's degree free/reduced
## 462
          male
                       group B
                                                some college free/reduced
## 463
        female
                       group E
                                                some college
                                                                  standard
##
  464
        female
                       group C
                                                some college free/reduced
## 465
          male
                       group A
                                          bachelor's degree
                                                                  standard
## 466
        female
                       group C
                                                some college
                                                                  standard
## 467
        female
                                         associate's degree free/reduced
                       group D
## 468
          male
                                                 high school free/reduced
                       group A
                                                 high school free/reduced
## 469
        female
                       group A
## 470
          male
                       group C
                                                some college
                                                                  standard
## 471
        female
                       group C
                                         associate's degree
                                                                  standard
## 472
        female
                       group C
                                                                  standard
                                                 high school
## 473
        female
                       group C
                                         associate's degree
                                                                  standard
## 474
        female
                                            some high school
                                                                  standard
                       group D
                       group B
## 475
        female
                                         associate's degree
                                                                  standard
## 476
        female
                       group D
                                          bachelor's degree
                                                                  standard
## 477
          male
                       group E
                                          bachelor's degree
                                                                  standard
## 478
          male
                       group D
                                         associate's degree
                                                                  standard
## 479
        female
                                                                  standard
                       group D
                                            master's degree
## 480
          male
                       group E
                                         associate's degree
                                                                  standard
## 481
          male
                       group B
                                                 high school
                                                                  standard
## 482
        female
                       group D
                                         associate's degree free/reduced
```

```
## 483
          male
                                                some college free/reduced
                       group C
## 484
          male
                                                                  standard
                                                 high school
                       group A
## 485
        female
                       group B
                                         associate's degree
                                                                  standard
## 486
          male
                       group C
                                                 high school
                                                                  standard
## 487
          male
                       group D
                                                some college free/reduced
## 488
        female
                                         associate's degree free/reduced
                       group C
## 489
          male
                                           some high school
                       group B
                                                                  standard
## 490
          male
                                         associate's degree free/reduced
                       group A
## 491
        female
                       group A
                                         associate's degree free/reduced
## 492
        female
                       group C
                                         associate's degree
                                                                  standard
## 493
        female
                       group C
                                                some college
                                                                  standard
## 494
        female
                       group C
                                          bachelor's degree
                                                                  standard
  495
        female
                       group B
                                                 high school
                                                                  standard
## 496
          male
                       group D
                                                 high school
                                                                  standard
##
  497
        female
                                                                  standard
                       group C
                                                some college
## 498
        female
                       group D
                                                some college free/reduced
  499
        female
                       group B
                                           some high school
                                                                  standard
## 500
          male
                       group E
                                                some college
                                                                  standard
                                            master's degree
## 501
        female
                                                                  standard
                       group D
## 502
        female
                       group B
                                         associate's degree
                                                                  standard
##
  503
          male
                       group C
                                                some college free/reduced
## 504
        female
                       group E
                                         associate's degree
                                                                  standard
## 505
        female
                                            master's degree free/reduced
                       group D
## 506
        female
                                           some high school
                                                                  standard
                       group B
## 507
          male
                       group A
                                                 high school
                                                                  standard
## 508
          male
                       group B
                                          bachelor's degree free/reduced
## 509
          male
                       group C
                                            master's degree
                                                                  standard
## 510
        female
                       group C
                                          bachelor's degree
                                                                  standard
## 511
          male
                                                                  standard
                       group D
                                                some college
## 512
          male
                                           some high school
                                                                  standard
                       group A
## 513
          male
                       group D
                                           some high school free/reduced
## 514
        female
                       group B
                                           some high school
                                                                  standard
## 515
        female
                       group B
                                            master's degree free/reduced
## 516
        female
                       group C
                                           some high school
                                                                  standard
## 517
        female
                       group D
                                                some college
                                                                  standard
## 518
        female
                                                                  standard
                       group E
                                                some college
## 519
        female
                       group D
                                           some high school
                                                                  standard
## 520
        female
                                                 high school free/reduced
                       group B
## 521
          male
                                                some college
                                                                  standard
                       group D
## 522
        female
                                         associate's degree
                                                                  standard
                       group C
## 523
          male
                                          bachelor's degree
                                                                  standard
                       group D
## 524
          male
                       group C
                                            master's degree free/reduced
## 525
          male
                       group C
                                                 high school
                                                                  standard
## 526
          male
                       group E
                                                some college
                                                                  standard
## 527
          male
                       group C
                                           some high school free/reduced
## 528
        female
                       group C
                                                 high school free/reduced
## 529
        female
                       group D
                                          bachelor's degree free/reduced
## 530
        female
                       group C
                                         associate's degree
                                                                  standard
## 531
        female
                       group C
                                         associate's degree
                                                                  standard
## 532
        female
                       group C
                                           some high school
                                                                  standard
                                         associate's degree
## 533
          male
                       group E
                                                                  standard
## 534
        female
                       group E
                                         associate's degree
                                                                  standard
                                                 high school
## 535
          male
                       group B
                                                                  standard
## 536
        female
                       group C
                                          bachelor's degree free/reduced
```

```
## 537
          male
                                         associate's degree
                                                                  standard
                       group C
                                                                  standard
## 538
        female
                                                 high school
                       group D
## 539
                       group E
          male
                                          bachelor's degree
                                                                  standard
## 540
                                         associate's degree
          male
                                                                  standard
                       group A
## 541
          male
                       group C
                                                 high school
                                                                  standard
## 542
          male
                                         associate's degree free/reduced
                       group D
## 543
        female
                                         associate's degree
                                                                  standard
                       group C
## 544
        female
                       group D
                                         associate's degree
                                                                  standard
## 545
        female
                       group D
                                             master's degree
                                                                  standard
## 546
          male
                       group E
                                           some high school free/reduced
## 547
        female
                       group A
                                           some high school
                                                                  standard
## 548
          male
                       group C
                                                                  standard
                                                 high school
   549
        female
                       group C
                                                 high school free/reduced
## 550
          male
                       group C
                                            master's degree
                                                                  standard
## 551
          male
                       group C
                                           some high school free/reduced
## 552
          male
                       group B
                                           bachelor's degree free/reduced
## 553
        female
                                         associate's degree
                                                                  standard
                       group B
## 554
          male
                       group D
                                                some college free/reduced
## 555
          male
                       group E
                                         associate's degree
                                                                  standard
## 556
        female
                       group C
                                                some college free/reduced
##
   557
        female
                       group C
                                         associate's degree
                                                                  standard
  558
          male
                       group C
                                            master's degree free/reduced
## 559
        female
                                         associate's degree free/reduced
                       group B
## 560
          male
                                           some high school
                       group D
                                                                  standard
## 561
        female
                       group D
                                                some college
                                                                  standard
   562
        female
                       group C
                                                some college
                                                                  standard
## 563
          male
                       group C
                                          bachelor's degree
                                                                  standard
   564
        female
                                                some college free/reduced
                       group D
## 565
          male
                                          bachelor's degree free/reduced
                       group B
  566
          male
                       group B
                                         associate's degree
                                                                  standard
## 567
        female
                       group E
                                          bachelor's degree free/reduced
   568
        female
                       group D
                                            master's degree free/reduced
## 569
          male
                       group B
                                                 high school free/reduced
## 570
          male
                       group D
                                          bachelor's degree free/reduced
## 571
          male
                       group B
                                                some college
                                                                  standard
  572
          male
                                          bachelor's degree
                                                                  standard
                       group A
## 573
        female
                       group C
                                                some college
                                                                  standard
## 574
        female
                       group C
                                                 high school free/reduced
## 575
        female
                                                 high school
                                                                  standard
                       group E
## 576
          male
                       group A
                                         associate's degree free/reduced
                                                some college
## 577
          male
                       group A
                                                                  standard
## 578
        female
                       group B
                                                 high school
                                                                  standard
## 579
        female
                       group B
                                                some college free/reduced
   580
        female
                       group D
                                            master's degree
                                                                  standard
   581
        female
                       group D
                                           some high school
                                                                  standard
## 582
        female
                                           some high school
                                                                  standard
                       group E
  583
        female
                       group D
                                          bachelor's degree free/reduced
## 584
        female
                       group D
                                         associate's degree
                                                                  standard
  585
        female
                       group D
                                                some college
                                                                  standard
## 586
        female
                       group C
                                         associate's degree
                                                                  standard
   587
        female
                       group A
                                                 high school
                                                                  standard
## 588
        female
                       group C
                                          bachelor's degree free/reduced
## 589
        female
                       group C
                                                some college
                                                                  standard
## 590
        female
                       group A
                                           some high school
                                                                  standard
```

```
group C
## 591
          male
                                                some college free/reduced
## 592
          male
                                                                  standard
                       group A
                                           some high school
## 593
                                          bachelor's degree
          male
                       group E
                                                                  standard
## 594
        female
                       group E
                                                 high school
                                                                  standard
   595
        female
                       group C
                                          bachelor's degree
                                                                  standard
##
   596
        female
                                          bachelor's degree
                                                                  standard
                       group C
## 597
          male
                                                 high school free/reduced
                       group B
## 598
          male
                       group A
                                           some high school
                                                                  standard
## 599
        female
                       group D
                                                 high school
                                                                  standard
## 600
        female
                       group D
                                           some high school
                                                                  standard
   601
        female
                       group D
                                            master's degree
                                                                  standard
## 602
        female
                       group C
                                                 high school
                                                                  standard
   603
        female
                       group E
                                                some college
                                                                  standard
## 604
          male
                       group D
                                                 high school free/reduced
## 605
          male
                                            master's degree free/reduced
                       group D
## 606
          male
                       group C
                                           some high school
                                                                  standard
## 607
        female
                                                                  standard
                       group C
                                         associate's degree
                       group C
## 608
        female
                                            master's degree free/reduced
## 609
        female
                                                                  standard
                       group E
                                                some college
## 610
        female
                       group B
                                         associate's degree
                                                                  standard
##
  611
          male
                       group D
                                                some college free/reduced
## 612
        female
                                                some college
                                                                  standard
                       group C
## 613
          male
                                          bachelor's degree
                                                                  standard
                       group C
## 614
        female
                                         associate's degree
                                                                  standard
                       group C
## 615
        female
                       group A
                                         associate's degree
                                                                  standard
## 616
        female
                       group C
                                                 high school
                                                                  standard
## 617
        female
                       group E
                                          bachelor's degree
                                                                  standard
## 618
                                          bachelor's degree
          male
                       group D
                                                                  standard
## 619
                                            master's degree
          male
                                                                  standard
                       group D
## 620
          male
                       group C
                                         associate's degree free/reduced
## 621
        female
                       group C
                                                 high school free/reduced
## 622
          male
                       group B
                                          bachelor's degree free/reduced
## 623
          male
                       group C
                                                 high school free/reduced
## 624
          male
                       group A
                                                some college
                                                                  standard
## 625
        female
                       group E
                                          bachelor's degree free/reduced
## 626
          male
                                                some college
                       group D
                                                                  standard
## 627
          male
                       group B
                                         associate's degree free/reduced
## 628
          male
                                         associate's degree
                                                                  standard
                       group D
## 629
          male
                                                some college free/reduced
                       group D
## 630
        female
                                                                  standard
                       group C
                                           some high school
## 631
          male
                                                                  standard
                       group D
                                                some college
## 632
          male
                       group B
                                                 high school
                                                                  standard
## 633
        female
                       group B
                                          bachelor's degree
                                                                  standard
  634
        female
                                                                  standard
##
                       group C
                                                 high school
## 635
          male
                                                                  standard
                       group D
                                           some high school
## 636
          male
                                                                  standard
                       group A
                                                 high school
                       group B
## 637
        female
                                                 high school free/reduced
## 638
        female
                       group D
                                           some high school
                                                                  standard
## 639
          male
                       group E
                                                some college
                                                                  standard
## 640
        female
                       group D
                                         associate's degree
                                                                  standard
  641
          male
                       group D
                                                 high school
                                                                  standard
## 642
        female
                       group D
                                         associate's degree free/reduced
## 643
        female
                       group B
                                           some high school free/reduced
## 644
       female
                       group E
                                                 high school
                                                                  standard
```

```
## 645
          male
                       group B
                                                 high school
                                                                  standard
## 646
        female
                                          bachelor's degree
                                                                  standard
                       group B
        female
## 647
                       group D
                                         associate's degree
                                                                  standard
  648
        female
                                                 high school free/reduced
                       group E
   649
        female
                       group B
                                                 high school
                                                                  standard
##
   650
        female
                                                some college
                                                                  standard
                       group D
## 651
          male
                                           some high school free/reduced
                       group C
## 652
        female
                       group A
                                                 high school
                                                                  standard
## 653
        female
                       group D
                                                some college
                                                                  standard
##
   654
        female
                                                                  standard
                       group A
                                         associate's degree
   655
        female
                       group B
                                           some high school
                                                                  standard
## 656
        female
                       group B
                                                some college
                                                                  standard
   657
          male
                       group C
                                         associate's degree free/reduced
## 658
          male
                       group D
                                           some high school
                                                                  standard
## 659
        female
                                         associate's degree free/reduced
                       group D
## 660
          male
                       group D
                                         associate's degree
                                                                  standard
##
  661
          male
                       group C
                                                some college free/reduced
## 662
          male
                       group C
                                           some high school
                                                                  standard
##
  663
        female
                       group D
                                                some college free/reduced
   664
##
        female
                       group C
                                                 high school
                                                                  standard
                                         associate's degree
##
   665
          male
                       group D
                                                                  standard
   666
        female
                       group C
                                           some high school free/reduced
        female
  667
                       group C
                                                some college free/reduced
##
   668
        female
                                          bachelor's degree free/reduced
                       group B
## 669
          male
                                                                  standard
                       group C
                                                some college
## 670
          male
                       group D
                                         associate's degree
                                                                  standard
## 671
        female
                       group C
                                                 high school free/reduced
   672
          male
                                         associate's degree free/reduced
                       group D
   673
        female
##
                                                some college
                                                                  standard
                       group C
   674
        female
                       group C
                                         associate's degree
                                                                  standard
## 675
        female
                       group D
                                                 high school
                                                                  standard
   676
        female
                       group B
                                                some college
                                                                  standard
   677
        female
                       group E
                                                some college
                                                                  standard
  678
        female
                                                                  standard
                       group C
                                           some high school
## 679
          male
                       group D
                                         associate's degree free/reduced
   680
          male
                                                some college free/reduced
                       group D
## 681
        female
                       group D
                                                 high school
                                                                  standard
                                                 high school
## 682
          male
                       group B
                                                                  standard
## 683
          male
                       group B
                                                 high school
                                                                  standard
## 684
        female
                                           some high school free/reduced
                       group C
## 685
          male
                       group B
                                                some college
                                                                  standard
## 686
        female
                       group E
                                            master's degree
                                                                  standard
   687
          male
                       group E
                                                some college
                                                                  standard
  688
          male
                       group D
                                         associate's degree free/reduced
##
                                                 high school free/reduced
## 689
          male
                       group A
## 690
                                                some college free/reduced
          male
                       group E
   691
        female
                       group C
                                         associate's degree
                                                                  standard
  692
        female
                                         associate's degree free/reduced
                       group E
  693
        female
                       group C
                                          bachelor's degree free/reduced
## 694
        female
                       group D
                                         associate's degree
                                                                  standard
   695
        female
                                                                  standard
                       group C
                                           some high school
## 696
        female
                       group D
                                                some college free/reduced
## 697
        female
                       group C
                                         associate's degree
                                                                  standard
## 698
        female
                       group A
                                          bachelor's degree
                                                                  standard
```

```
## 699
        female
                                         associate's degree
                                                                  standard
                       group D
## 700
          male
                                                 high school free/reduced
                       group C
## 701
        female
                       group E
                                          bachelor's degree
                                                                  standard
## 702
        female
                       group B
                                           some high school
                                                                  standard
##
  703
          male
                       group A
                                          bachelor's degree
                                                                  standard
##
   704
        female
                                                some college
                                                                  standard
                       group D
                                           some high school free/reduced
## 705
        female
                       group B
          male
## 706
                                          bachelor's degree free/reduced
                       group A
## 707
          male
                       group D
                                                 high school
                                                                  standard
## 708
          male
                                                                  standard
                       group C
                                                some college
## 709
          male
                       group D
                                                 high school
                                                                  standard
## 710
        female
                       group D
                                          associate's degree free/reduced
   711
          male
                       group C
                                                some college
                                                                  standard
## 712
        female
                       group E
                                            some high school
                                                                  standard
## 713
        female
                                                some college
                                                                  standard
                       group D
## 714
          male
                       group D
                                            master's degree
                                                                  standard
## 715
        female
                                            some high school
                                                                  standard
                       group B
## 716
        female
                       group B
                                         associate's degree free/reduced
                                                                  standard
## 717
          male
                                         associate's degree
                       group C
## 718
        female
                       group C
                                         associate's degree
                                                                  standard
## 719
        female
                       group C
                                                 high school
                                                                  standard
## 720
          male
                       group E
                                         associate's degree free/reduced
## 721
        female
                       group C
                                                some college free/reduced
                                            some high school free/reduced
## 722
          male
                       group D
## 723
        female
                                           some high school free/reduced
                       group B
## 724
          male
                       group C
                                                 high school
                                                                  standard
## 725
          male
                       group B
                                                some college
                                                                  standard
   726
                                                                  standard
          male
                       group E
                                                some college
## 727
        female
                       group E
                                         associate's degree
                                                                  standard
## 728
          male
                       group E
                                            some high school
                                                                  standard
## 729
                                                 high school free/reduced
        female
                       group D
  730
          male
                       group C
                                                some college
                                                                  standard
## 731
        female
                       group B
                                         associate's degree free/reduced
                                            some high school free/reduced
## 732
          male
                       group A
## 733
        female
                       group C
                                                some college
                                                                  standard
  734
          male
                                                                  standard
                       group D
                                            some high school
## 735
        female
                       group E
                                                some college free/reduced
## 736
          male
                       group C
                                            master's degree
                                                                  standard
## 737
          male
                                         associate's degree
                                                                  standard
                       group C
## 738
        female
                                                some college free/reduced
                       group B
                                         associate's degree
## 739
          male
                       group D
                                                                  standard
## 740
          male
                       group C
                                                 high school free/reduced
## 741
          male
                       group D
                                          bachelor's degree
                                                                  standard
##
  742
        female
                       group A
                                         associate's degree free/reduced
## 743
        female
                       group C
                                                 high school
                                                                  standard
## 744
        female
                       group C
                                         associate's degree
                                                                  standard
## 745
          male
                       group B
                                                some college free/reduced
## 746
          male
                       group D
                                         associate's degree
                                                                  standard
## 747
          male
                       group D
                                                 high school
                                                                  standard
## 748
          male
                       group C
                                                some college
                                                                  standard
## 749
        female
                       group C
                                          bachelor's degree free/reduced
## 750
          male
                       group B
                                                some college
                                                                  standard
## 751
          male
                       group D
                                           some high school
                                                                  standard
## 752
          male
                       group E
                                                some college
                                                                  standard
```

```
## 753
          male
                       group C
                                            master's degree free/reduced
## 754
        female
                                           some high school
                                                                  standard
                       group C
## 755
                                         associate's degree free/reduced
          male
                       group C
  756
        female
                                         associate's degree
##
                       group E
                                                                  standard
##
   757
          male
                       group D
                                                some college
                                                                  standard
  758
          male
                       group E
                                          bachelor's degree free/reduced
##
## 759
        female
                                                some college free/reduced
                       group D
## 760
          male
                       group B
                                                some college
                                                                  standard
  761
        female
                       group C
                                                 high school free/reduced
## 762
        female
                       group D
                                           some high school
                                                                  standard
   763
          male
                       group D
                                           some high school
                                                                  standard
## 764
        female
                       group B
                                                 high school
                                                                  standard
   765
          male
                       group D
                                                some college
                                                                  standard
  766
        female
                       group B
                                                 high school
##
                                                                  standard
                                                 high school
  767
        female
                                                                  standard
                       group C
## 768
          male
                       group B
                                                 high school
                                                                  standard
##
  769
        female
                                                                  standard
                       group D
                                           some high school
  770
                       group A
##
          male
                                                some college free/reduced
## 771
          male
                                                                  standard
                       group B
                                                 high school
## 772
          male
                       group D
                                          bachelor's degree
                                                                  standard
  773
        female
                       group B
                                           some high school free/reduced
## 774
        female
                       group C
                                          bachelor's degree free/reduced
## 775
          male
                                                some college
                                                                  standard
                       group B
## 776
        female
                                           some high school free/reduced
                       group B
## 777
        female
                       group B
                                                 high school
                                                                  standard
  778
        female
                       group C
                                                some college free/reduced
## 779
        female
                       group A
                                                some college
                                                                  standard
   780
          male
                                         associate's degree
                       group E
                                                                  standard
  781
        female
##
                                         associate's degree free/reduced
                       group D
   782
        female
                       group B
                                            master's degree
                                                                  standard
## 783
                                                 high school free/reduced
        female
                       group B
  784
        female
                       group C
                                         associate's degree
                                                                  standard
##
  785
          male
                       group C
                                          bachelor's degree
                                                                  standard
  786
        female
                                                                  standard
##
                       group B
                                           some high school
  787
##
        female
                       group E
                                           some high school free/reduced
##
  788
        female
                       group B
                                                some college
                                                                  standard
## 789
          male
                       group C
                                         associate's degree free/reduced
## 790
        female
                       group C
                                            master's degree free/reduced
## 791
        female
                       group B
                                                 high school
                                                                  standard
  792
        female
##
                                                some college free/reduced
                       group D
## 793
          male
                       group D
                                                 high school free/reduced
## 794
                                                                  standard
          male
                       group E
                                           some high school
   795
        female
                                                 high school
                       group B
                                                                  standard
   796
        female
                                         associate's degree free/reduced
##
                       group E
  797
          male
                       group D
                                                 high school
                                                                  standard
## 798
        female
                       group E
                                         associate's degree free/reduced
## 799
                                                some college
          male
                       group E
                                                                  standard
## 800
        female
                       group C
                                         associate's degree
                                                                  standard
## 801
          male
                       group C
                                           some high school
                                                                  standard
## 802
          male
                       group C
                                           some high school
                                                                  standard
   803
        female
                                         associate's degree
                                                                  standard
                       group E
## 804
        female
                       group B
                                                some college
                                                                  standard
## 805
        female
                       group C
                                                some college
                                                                  standard
## 806
          male
                       group A
                                                some college free/reduced
```

```
## 807
        female
                                                some college free/reduced
                       group D
## 808
        female
                                                 high school free/reduced
                       group E
## 809
          male
                       group C
                                                 high school
                                                                  standard
## 810
                                          bachelor's degree
          male
                       group B
                                                                  standard
## 811
          male
                       group A
                                           some high school
                                                                  standard
## 812
          male
                                                 high school free/reduced
                       group A
## 813
        female
                                            master's degree
                       group C
                                                                  standard
## 814
                       group E
                                           some high school
          male
                                                                  standard
## 815
        female
                       group C
                                                 high school
                                                                  standard
## 816
          male
                       group B
                                           some high school
                                                                  standard
## 817
        female
                       group A
                                          bachelor's degree
                                                                  standard
## 818
          male
                                          bachelor's degree free/reduced
                       group D
                                                 high school free/reduced
   819
        female
                       group B
## 820
        female
                                           some high school
                       group C
                                                                  standard
## 821
        female
                                           some high school
                                                                  standard
                       group A
## 822
        female
                       group D
                                           bachelor's degree free/reduced
## 823
          male
                                                some college free/reduced
                       group E
## 824
                       group B
        female
                                                 high school free/reduced
## 825
        female
                                           some high school free/reduced
                       group C
## 826
          male
                       group C
                                                 high school
                                                                  standard
##
  827
        female
                       group C
                                         associate's degree free/reduced
## 828
        female
                       group C
                                           some high school
                                                                  standard
## 829
        female
                                           some high school free/reduced
                       group D
## 830
          male
                                           some high school
                       group B
                                                                  standard
## 831
        female
                       group A
                                                some college free/reduced
  832
        female
                       group C
                                          bachelor's degree free/reduced
## 833
          male
                                          bachelor's degree
                                                                  standard
                       group A
   834
        female
                       group B
                                                 high school
                                                                  standard
  835
##
          male
                                                                  standard
                       group B
                                                some college
  836
        female
                       group C
                                                 high school
                                                                  standard
## 837
          male
                       group E
                                                 high school
                                                                  standard
##
   838
        female
                       group A
                                                 high school
                                                                  standard
## 839
          male
                       group B
                                         associate's degree free/reduced
## 840
        female
                       group C
                                         associate's degree
                                                                  standard
## 841
        female
                       group D
                                                 high school free/reduced
  842
          male
                                           some high school
                       group C
                                                                  standard
## 843
        female
                       group B
                                                 high school free/reduced
## 844
          male
                                                some college free/reduced
                       group B
## 845
        female
                                           some high school free/reduced
                       group D
## 846
          male
                                            master's degree
                                                                  standard
                       group E
## 847
          male
                                            master's degree
                                                                  standard
                       group C
## 848
          male
                       group D
                                                 high school
                                                                  standard
## 849
        female
                       group C
                                                 high school
                                                                  standard
## 850
          male
                                                                  standard
                       group D
                                         associate's degree
## 851
          male
                       group C
                                            master's degree
                                                                  standard
## 852
        female
                                                                  standard
                       group A
                                                 high school
                       group E
## 853
        female
                                                some college
                                                                  standard
## 854
          male
                       group E
                                           some high school
                                                                  standard
                       group C
## 855
          male
                                           some high school
                                                                  standard
## 856
        female
                       group B
                                          bachelor's degree
                                                                  standard
##
   857
                                                some college free/reduced
          male
                       group B
## 858
        female
                       group C
                                          bachelor's degree
                                                                  standard
## 859
          male
                       group B
                                                 high school
                                                                  standard
## 860
          male
                       group C
                                         associate's degree free/reduced
```

```
## 861
        female
                       group C
                                         associate's degree
                                                                 standard
## 862
        female
                                            master's degree free/reduced
                       group E
## 863
          male
                       group D
                                          bachelor's degree free/reduced
## 864
        female
                       group C
                                                some college
                                                                 standard
## 865
          male
                       group C
                                         associate's degree
                                                                  standard
## 866
          male
                       group D
                                               some college
                                                                  standard
## 867
          male
                                                high school free/reduced
                       group C
## 868
          male
                       group B
                                         associate's degree
                                                                  standard
## 869
          male
                       group E
                                         associate's degree free/reduced
## 870
          male
                                         associate's degree free/reduced
                       group C
## 871
          male
                       group B
                                                high school
                                                                 standard
## 872
        female
                       group C
                                               some college
                                                                  standard
## 873
          male
                       group B
                                         associate's degree
                                                                  standard
## 874
                                         associate's degree free/reduced
          male
                       group E
## 875
        female
                       group C
                                          bachelor's degree free/reduced
## 876
          male
                       group C
                                               some college free/reduced
## 877
          male
                                                                 standard
                       group D
                                                some college
## 878
          male
                       group C
                                           some high school
                                                                 standard
## 879
        female
                                           some high school
                                                                 standard
                       group D
## 880
        female
                       group D
                                         associate's degree
                                                                  standard
##
   881
          male
                       group C
                                          bachelor's degree
                                                                  standard
## 882
        female
                       group E
                                          bachelor's degree
                                                                 standard
## 883
        female
                                                high school free/reduced
                       group B
## 884
          male
                                          bachelor's degree free/reduced
                       group D
## 885
        female
                                         associate's degree
                       group E
                                                                 standard
   886
        female
                       group C
                                         associate's degree
                                                                 standard
## 887
        female
                       group E
                                         associate's degree
                                                                 standard
   888
          male
                                                high school free/reduced
                       group C
## 889
        female
                       group D
                                                some college free/reduced
                                                high school free/reduced
   890
          male
                       group D
## 891
        female
                       group E
                                                some college
                                                                 standard
   892
        female
                       group E
                                         associate's degree
                                                                  standard
## 893
        female
                       group A
                                            master's degree free/reduced
## 894
          male
                       group D
                                           some high school
                                                                 standard
## 895
        female
                       group E
                                         associate's degree
                                                                  standard
   896
        female
                       group E
                                           some high school free/reduced
## 897
          male
                       group B
                                                high school free/reduced
## 898
        female
                       group B
                                           some high school free/reduced
## 899
          male
                       group D
                                         associate's degree
                                                                  standard
## 900
        female
                                           some high school
                                                                 standard
                       group D
## 901
          male
                                            master's degree
                                                                 standard
                       group D
## 902
        female
                       group C
                                            master's degree
                                                                  standard
## 903
        female
                                                 high school free/reduced
                       group A
   904
        female
                                          bachelor's degree free/reduced
                       group D
## 905
        female
                                           some high school free/reduced
                       group D
## 906
          male
                                                some college
                                                                 standard
                       group D
## 907
          male
                       group B
                                                high school
                                                                  standard
## 908
        female
                       group D
                                                some college
                                                                  standard
## 909
        female
                       group C
                                          bachelor's degree free/reduced
## 910
          male
                       group E
                                          bachelor's degree
                                                                  standard
## 911
          male
                                          bachelor's degree free/reduced
                       group D
## 912
        female
                       group A
                                                some college
                                                                 standard
## 913
        female
                       group C
                                          bachelor's degree
                                                                 standard
## 914 female
                       group C
                                          bachelor's degree free/reduced
```

```
## 915
        female
                                         associate's degree free/reduced
                       group B
## 916
        female
                                                                  standard
                       group E
                                               some college
## 917
          male
                       group E
                                          bachelor's degree
                                                                  standard
## 918
        female
                       group C
                                                high school
                                                                  standard
## 919
        female
                       group C
                                         associate's degree
                                                                  standard
## 920
          male
                                               some college
                                                                  standard
                       group B
                                                high school free/reduced
## 921
          male
                       group D
## 922
        female
                       group C
                                                high school free/reduced
## 923
          male
                       group D
                                                high school
                                                                  standard
## 924
        female
                       group B
                                         associate's degree free/reduced
                                                high school free/reduced
## 925
          male
                       group D
## 926
          male
                       group E
                                           some high school
                                                                  standard
## 927
          male
                       group E
                                         associate's degree free/reduced
## 928
                                                high school free/reduced
        female
                       group D
## 929
          male
                                         associate's degree free/reduced
                       group E
## 930
        female
                       group C
                                           some high school free/reduced
## 931
          male
                                               some college free/reduced
                       group C
## 932
          male
                       group D
                                                some college free/reduced
## 933
          male
                                         associate's degree free/reduced
                       group D
## 934
          male
                       group C
                                          bachelor's degree free/reduced
## 935
          male
                       group C
                                         associate's degree
                                                                  standard
## 936
          male
                                               some college free/reduced
                       group D
## 937
          male
                                         associate's degree
                       group A
                                                                  standard
                                                high school free/reduced
## 938
        female
                       group E
## 939
          male
                       group D
                                               some college
                                                                  standard
## 940
          male
                       group D
                                           some high school
                                                                  standard
## 941
          male
                       group C
                                            master's degree free/reduced
## 942
        female
                       group D
                                            master's degree
                                                                  standard
## 943
          male
                                                                  standard
                       group C
                                                high school
## 944
          male
                                           some high school free/reduced
                       group A
## 945
        female
                       group B
                                                high school
                                                                  standard
                                         associate's degree
  946
        female
                       group C
                                                                  standard
## 947
          male
                       group B
                                                high school
                                                                  standard
## 948
        female
                       group D
                                                some college free/reduced
## 949
          male
                       group B
                                           some high school free/reduced
  950
        female
                                                high school free/reduced
                       group E
## 951
          male
                       group E
                                                high school
                                                                 standard
## 952
        female
                       group D
                                                some college
                                                                  standard
## 953
        female
                       group E
                                           some high school free/reduced
## 954
          male
                                                high school
                                                                  standard
                       group C
## 955
        female
                       group C
                                                                  standard
                                                some college
## 956
          male
                       group E
                                         associate's degree
                                                                  standard
   957
          male
                       group C
                                               some college
                                                                  standard
   958
        female
                                                                  standard
                       group D
                                            master's degree
## 959
        female
                                                                  standard
                       group D
                                                high school
                                                                  standard
## 960
          male
                                                high school
                       group C
  961
        female
                       group A
                                               some college
                                                                  standard
## 962
        female
                                           some high school free/reduced
                       group D
                       group E
## 963
        female
                                         associate's degree
                                                                  standard
## 964
        female
                       group C
                                           some high school free/reduced
  965
          male
                                                                  standard
                       group D
                                                some college
## 966
        female
                       group D
                                                some college
                                                                 standard
## 967
          male
                       group A
                                           some high school
                                                                  standard
## 968
          male
                       group C
                                                some college
                                                                  standard
```

##	969	female	aroun	r.	aggagiata?g	dograd	standard
	970	female	group		associate's	_	standard
	971	female	group		bachelor's	_	standard
	972	male	group		bachelor's	_	
	973	female	group		some high		standard
			group		_		free/reduced
	974	female	group			•	free/reduced
	975	female	group			college	standard
	976	female	group			college	standard
	977	male	group			_	free/reduced
	978	male	group		associate's	_	standard
	979	male	group		-	school	standard
	980	female	group		associate's	_	standard
	981	female	group		_		free/reduced
	982	male	group		some high		standard
	983	male	group		some high		standard
	984	female	group	Α		college	standard
##	985	female	group	C	some high		standard
##	986	male	group	Α	high	school	standard
##	987	female	group	C	associate's	_	standard
##	988	male	group	E	some high		standard
##	989	female	group	Α	some high	school	free/reduced
##	990	female	group	D	some	college	free/reduced
##	991	male	group	E	high	school	free/reduced
##	992	female	group	В	some high	school	standard
##	993	female	group	D	associate's	degree	free/reduced
##	994	female	group	D	bachelor's	degree	free/reduced
##	995	male	group	Α	high	school	standard
##	996	female	group	E	master's	degree	standard
и.и.							D Juniuur u
##	997	male	group			_	free/reduced
	997 998	male female		C	high	school	
##			group	C C	high high	school	free/reduced
##	998 999	female	group group	C C D	high high some	school school college	free/reduced free/reduced standard
## ##	998 999	female female	group group group group	C C D	high high some some	school school college college	<pre>free/reduced free/reduced standard free/reduced</pre>
## ## ##	998 999	female female	group group group group ceparation.cou	C C D	high high some	school school college college	<pre>free/reduced free/reduced standard free/reduced</pre>
## ## ## ##	998 999 1000	female female	group group group group reparation.cou	C C D D irse	high high some some math.score reading	school school college college	free/reduced free/reduced standard free/reduced writing.score
## ## ## ## ##	998 999 1000	female female	group group group group reparation.cou r comple	C C D D irse	high high some some math.score reading 72	school school college college .score	free/reduced free/reduced standard free/reduced writing.score 74
## ## ## ## ##	998 999 1000 1 2 3	female female	group group group group reparation.cou r complé	C C D D irse ione	high high some some math.score reading 72 69	school school college college score v 72 90	free/reduced free/reduced standard free/reduced writing.score 74 88
## ## ## ## ## ##	998 999 1000 1 2 3 4	female female	group group group group reparation.cou r comple	C D D urse none eted none	high high some some math.score reading 72 69 90 47	school school college college .score 72 90 95 57	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44
## ## ## ## ## ##	998 999 1000 1 2 3	female female	group group group group reparation.cou comple	C D D arse none eted none none	high high some some math.score reading 72 69 90 47 76	school school college college .score 72 90 95 57 78	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75
## ## ## ## ## ## ##	998 999 1000 1 2 3 4 5	female female	group group group group reparation.cou comple i	C D D irse ione ione ione ione	high high some some math.score reading 72 69 90 47 76 71	school school college college .score 72 90 95 57 78 83	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78
## ## ## ## ## ## ##	998 999 1000 1 2 3 4 5 6 7	female female	group group group group ceparation.cou comple	C D D Irse ione ione ione ione	high high some some math.score reading 72 69 90 47 76 71 88	school school college college .score 72 90 95 57 78 83 95	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78
## ## ## ## ## ## ##	998 999 1000 1 2 3 4 5 6 7 8	female female	group group group group ceparation.cou comple	C D D Irse ione ione ione ione eted	high high some some math.score reading 72 69 90 47 76 71 88 40	school school college college .score 72 90 95 57 78 83 95 43	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78 92 39
## ## ## ## ## ## ## ##	998 999 1000 1 2 3 4 5 6 7 8 9	female female	group group group group ceparation.cou comple comple comple	C D D irse ione ione ione ione ione eted ione	high high some some math.score reading 72 69 90 47 76 71 88 40 64	school school college college .score 72 90 95 57 78 83 95 43 64	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78 92 39 67
## ## ## ## ## ## ## ## ## ## ## ## ##	998 999 1000 1 2 3 4 5 6 7 8 9 10	female female	group group group group ceparation.cou comple comple comple	C C D D D arse aone aone aone aone aone aone aone aon	high high some some math.score reading 72 69 90 47 76 71 88 40 64 38	school school college college .score 72 90 95 57 78 83 95 43 64 60	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78 92 39 67
## ## ## ## ## ## ## ## ## ## ## ## ##	998 999 1000 1 2 3 4 5 6 7 8 9 10 11	female female	group group group group ceparation.comple comple comple	C C D D D arse alone alo	high high some some math.score reading 72 69 90 47 76 71 88 40 64 38 58	school sc	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78 92 39 67 50 52
## ## ## ## ## ## ## ## ## ## ## ## ##	998 999 1000 1 2 3 4 5 6 7 8 9 10 11 12	female female	group group group group ceparation.comple comple comple	C C D D D urse ated atone atone atone atone atone	high high some some math.score reading 72 69 90 47 76 71 88 40 64 38 58 40	school sc	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78 92 39 67 50 52 43
## ## ## ## ## ## ## ## ## ## ## ## ##	998 999 1000 1 2 3 4 5 6 7 8 9 10 11 12 13	female female	group group group group ceparation.comple comple comple	C C D D D urse ated atone	high high some some math.score reading 72 69 90 47 76 71 88 40 64 38 58 40 65	school sc	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78 92 39 67 50 52 43 73
## ## ## ## ## ## ## ## ## ## ##	998 999 1000 1 2 3 4 5 6 7 8 9 10 11 12 13 14	female female	group group group group group ceparation.cou comple comple comple comple	C C D D D arse aone aone ated aone aone aone aone aone aone aone aone	high high some some math.score reading 72 69 90 47 76 71 88 40 64 38 58 40 65 78	school sc	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78 92 39 67 50 52 43 73
######################################	998 999 1000 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	female female	group group group group group ceparation.cou comple comple comple comple comple	C C D D D arse aone aone ated aone aone aone aone aone aone aone aone	high high some some math.score reading 72 69 90 47 76 71 88 40 64 38 58 40 65 78 50	school sc	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78 92 39 67 50 52 43 73 70 58
######################################	998 999 1000 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	female female	group group group group group ceparation.comple comple comple	C C D D D arse at each one at	high high some some math.score reading 72 69 90 47 76 71 88 40 64 38 58 40 65 78 50 69	school sc	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78 92 39 67 50 52 43 73 70 58 78
######################################	998 999 1000 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	female female	group group group group group ceparation.comple comple comple comple comple	C C D D D arse ated atone ated atone ated atone ated atone atone ated atone atone ated atone ated atone ated atone atone ated atone atone atone atone atone atone atone atone	high high some some math.score reading 72 69 90 47 76 71 88 40 64 38 58 40 65 78 50 69 88	school sc	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78 92 39 67 50 52 43 73 70 58 78 86
##########################	998 999 1000 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	female female	group group group group group ceparation.comple comple comple comple comple	C C D D D arse ated atone ated atone ated atone ated atone atone ated atone atone ated atone atone ated atone	high high some some math.score reading 72 69 90 47 76 71 88 40 64 38 58 40 65 78 50 69 88 18	school sc	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78 92 39 67 50 52 43 73 70 58 78 86 28
#########################	998 999 1000 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	female female	group group group group group ceparation.comple comple comple comple comple comple	C C D D D urse ated atone aton	high high some some math.score reading 72 69 90 47 76 71 88 40 64 38 58 40 65 78 50 69 88 18 46	school sc	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78 92 39 67 50 52 43 73 70 58 78 86 28 46
##########################	998 999 1000 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	female female	group group group group ceparation.comple comple comple comple	C C D D D arse ated atone ated atone ated atone ated atone atone ated atone atone ated atone atone ated atone	high high some some math.score reading 72 69 90 47 76 71 88 40 64 38 58 40 65 78 50 69 88 18	school sc	free/reduced free/reduced standard free/reduced writing.score 74 88 93 44 75 78 92 39 67 50 52 43 73 70 58 78 86 28

	00	2 . 1	25	7.5	70
##		completed	65		70
	23	none	44		53
##	24	none	69		73
##	25	completed	74		80
##	26	none	73		72
##	27	none	69		55
##	28	none	67		75
##	29	none	70	70	65
##	30	none	62		75
	31	none	69		74
	32	none	63		61
	33	none	56		65
	34	none	40		38
	35	none	97		82
##	36	completed	81		79
	37	none	74	81	83
##	38	none	50	64	59
##	39	completed	75	90	88
##	40	none	57	56	57
##	41	none	55	61	54
##	42	none	58	73	68
##	43	none	53	58	65
##	44	completed	59	65	66
##	45	none	50	56	54
##	46	none	65	54	57
##	47	completed	55	65	62
##	48	none	66	71	76
##	49	completed	57	74	76
##	50	completed	82	84	82
##	51	none	53	55	48
##	52	completed	77	69	68
##	53	none	53	44	42
##	54	none	88	78	75
##	55	completed	71	84	87
##	56	none	33	41	43
##	57	completed	82	85	86
##	58	none	52	55	49
##	59	completed	58	59	58
##	60	none	0	17	10
##	61	completed	79	74	72
##	62	none	39	39	34
##	63	none	62	61	55
##	64	none	69	80	71
##	65	none	59	58	59
##	66	none	67	64	61
##	67	none	45	37	37
##	68	none	60	72	74
##	69	none	61	58	56
##	70	none	39	64	57
##	71	completed	58	63	73
##	72	completed	63	55	63
##	73	none	41		48
##	74	none	61	57	56
##	75	none	49	49	41

##	76	none	44	41	38
##	77	none	30	26	22
##	78	completed	80	78	81
##	79	completed	61	74	72
##	80	none	62	68	68
##	81	none	47	49	50
##	82	none	49	45	45
##	83	completed	50	47	54
##	84	none	72	64	63
##	85	none	42	39	34
##	86	none	73	80	82
##	87	none	76	83	88
##	88	none	71	71	74
##	89	none	58	70	67
##	90	none	73	86	82
##	91	none	65	72	74
##	92	none	27	34	36
##	93	none	71	79	71
##	94	completed	43	45	50
##	95	none	79	86	92
##	96	completed	78	81	82
##	97	completed	65	66	62
##	98	completed	63	72	70
##	99	none	58 65	67	62
	100	none	65	67	62
## ##	101 102	none	79 68	67 74	67 74
##	102	completed	85	91	89
##	103	none completed	60	44	47
##	105	completed	98	86	90
##	106	none	58	67	72
##	107	none	87	100	100
##	108	completed	66	63	64
	109	none	52	76	70
	110	none	70	64	72
##	111	completed	77	89	98
##	112	none	62	55	49
	113	none	54	53	47
	114	none	51	58	54
	115	completed	99	100	100
##	116	none	84	77	74
##	117	none	75	85	82
##	118	none	78	82	79
##	119	none	51	63	61
##	120	none	55	69	65
##	121	completed	79	92	89
##	122	completed	91	89	92
##	123	completed	88	93	93
	124	none	63	57	56
	125	none	83	80	73
	126	none	87	95	86
	127	none	72	68	67
	128	completed	65	77	74
##	129	none	82	82	74

	130	none	51	49	51
	131	none	89	84	82
##	132	completed	53	37	40
##	133	completed	87	74	70
##	134	completed	75	81	84
##	135	completed	74	79	75
##	136	none	58	55	48
##	137	completed	51	54	41
##	138	none	70	55	56
##	139	none	59	66	67
##	140	completed	71	61	69
##	141	none	76	72	71
##	142	none	59	62	64
##	143	completed	42	55	54
##	144	none	57	43	47
##	145	none	88	73	78
##	146	none	22	39	33
##	147	none	88	84	75
##	148	none	73	68	66
##	149	completed	68	75	81
##	150	completed	100	100	93
##	151	completed	62	67	69
##	152	none	77	67	68
##	153	completed	59	70	66
##	154	none	54	49	47
##	155	none	62	67	61
##	156	completed	70	89	88
##	157	completed	66	74	78
##	158	none	60	60	60
##	159	completed	61	86	87
##	160	none	66	62	64
##	161	completed	82	78	74
##	162	completed	75	88	85
##	163	none	49	53	52
##	164	none	52	53	49
##	165	none	81	92	91
##	166	completed	96	100	100
##	167	completed	53	51	51
	168	completed	58	76	78
##	169	completed	68	83	78
	170	completed	67	75	70
	171	completed	72	73	74
	172	none	94	88	78
	173	none	79	86	81
	174	none	63	67	70
	175	completed	43	51	54
	176	completed	81	91	87
	177	completed	46	54	58
	178	completed	71	77	77
	179	completed	52	70	62
	180	completed	97	100	100
	181	completed	62	68	75
	182	none	46	64	66
	183	none	50	50	47
		110110	50	30	±1

	184	none	65	69	70
	185	completed	45	52	49
	186	completed	65	67	65
	187	none	80	76	65
	188	completed	62	66	68
	189	none	48	52	45
	190	none	77	88	87
##	191	none	66	65	69
	192	completed	76	83	79
	193	none	62	64	66
	194	completed	77	62	62
	195	completed	69	84	85
##	196	none	61	55	52
##	197	completed	59	69	65
##	198	none	55	56	51
##	199	none	45	53	55
##	200	none	78	79	76
##	201	completed	67	84	86
##	202	none	65	81	77
##	203	none	69	77	69
##	204	none	57	69	68
##	205	none	59	41	42
##	206	completed	74	71	78
##	207	none	82	62	62
##	208	completed	81	80	76
##	209	none	74	81	76
##	210	none	58	61	66
##	211	completed	80	79	79
##	212	none	35	28	27
##	213	none	42	62	60
##	214	completed	60	51	56
##	215	completed	87	91	81
##	216	completed	84	83	75
##	217	completed	83	86	88
##	218	none	34	42	39
##	219	none	66	77	70
##	220	completed	61	56	56
##	221	completed	56	68	74
##	222	none	87	85	73
##	223	none	55	65	62
##	224	none	86	80	75
##	225	completed	52	66	73
##	226	none	45	56	54
##	227	none	72	72	71
##	228	none	57	50	54
##	229	none	68	72	64
	230	completed	88	95	94
	231	none	76	64	66
	232	none	46	43	42
	233	none	67	86	83
	234	none	92	87	78
	235	completed	83	82	84
	236	none	80	75	77
	237	none	63	66	67

шш	020		C 1	00	7.1
	238	completed	64	60	74
	239	none	54	52	51
##	240	none	84	80	80
##	241	completed	73	68	66
##	242	none	80	83	83
##	243	none	56	52	55
##	244	none	59	51	43
	245	none	75	74	69
	246	none	85	76	71
	247	none	89	76	74
	248		58	70	68
		completed			
	249	none	65	64	62
	250	none	68	60	53
	251	completed	47	49	49
	252	none	71	83	83
##	253	completed	60	70	70
##	254	none	80	80	72
##	255	none	54	52	52
##	256	none	62	73	70
##	257	none	64	73	68
##	258	completed	78	77	77
##	259	none	70	75	78
	260	completed	65	81	81
	261	completed	64	79	77
	262	completed	79	79	78
	263	none	44	50	51
	264		99	93	90
		none			
	265	none	76	73	68
##	266	none	59	42	41
	267	none	63	75	81
##	268	none	69	72	77
	269	completed	88	92	95
##	270	none	71	76	70
##	271	none	69	63	61
##	272	none	58	49	42
##	273	none	47	53	58
##	274	none	65	70	71
##	275	completed	88	85	76
##	276	none	83	78	73
	277	completed	85	92	93
	278	completed	59	63	75
	279	none	65	86	80
	280	none	73	56	57
	281		53	52	42
		none			
	282	none	45	48	46
	283	none	73	79	84
	284	completed	70	78	78
	285	none	37	46	46
	286	completed	81	82	82
	287	completed	97	82	88
	288	none	67	89	82
##	289	none	88	75	76
##	290	completed	77	76	77
##	291	none	76	70	68

##	292	none	86	73	70
##	293	completed	63	60	57
##	294	none	65	73	75
##	295	completed	78	77	80
##	296	none	67	62	60
##	297	completed	46	41	43
##	298	completed	71	74	68
##	299	completed	40	46	50
##	300	none	90	87	75
##	301	completed	81	78	81
##	302	none	56	54	52
##	303	completed	67	84	81
##	304	none	80	76	64
##	305	completed	74	75	83
##	306	none	69	67	69
##	307	completed	99	87	81
	308	none	51	52	44
	309	none	53	71	67
	310	none	49	57	52
	311	none	73	76	80
	312	none	66	60	57
	313	completed	67	61	68
	314	completed	68	67	69
	315	completed	59	64	75
	316	none	71	66	65
	317	completed	77	82	91
	318 319	none	83	72	78
	320	none	63	71 65	69
	321	none completed	56 67	79	63 84
	322	none	75	86	79
	323	none	71	81	80
	324	none	43	53	53
	325	none	41	46	43
	326	none	82	90	94
	327	none	61	61	62
	328	none	28	23	19
	329	completed	82	75	77
	330	none	41	55	51
	331	none	71	60	61
	332	none	47	37	35
	333	completed	62	56	53
	334	none	90	78	81
##	335	none	83	93	95
##	336	none	61	68	66
##	337	completed	76	70	69
##	338	none	49	51	43
##	339	none	24	38	27
##	340	completed	35	55	60
	341	none	58	61	52
	342	none	61	73	63
	343	completed	69	76	74
	344	completed	67	72	67
##	345	none	79	73	67

##	346	none	72	80	75
##	347	none	62	61	57
##	348	completed	77	94	95
##	349	none	75	74	66
##	350	none	87	74	76
##	351	none	52	65	69
##	352	none	66	57	52
##	353	completed	63	78	80
##	354	none	46	58	57
##	355	none	59	71	70
##	356	none	61	72	70
##	357	none	63	61	61
##	358	completed	42	66	69
##	359	none	59	62	61
##	360	none	80	90	89
##	361	none	58	62	59
##	362	completed	85	84	78
##	363	none	52	58	58
##	364	none	27	34	32
##	365	none	59	60	58
##	366	completed	49	58	60
##	367	completed	69	58	53
##	368	none	61	66	61
##	369	none	44	64	58
##	370	none	73	84	85
##	371	none	84	77	71
##	372	completed	45	73	70
##	373	none	74	74	72
	374	completed	82	97	96
##	375	none	59	70	73
	376	none	46	43	41
	377	none	80	90	82
	378	completed	85	95	100
	379	none	71	83	77
	380	none	66	64	62
	381	none	80	86	83
	382	completed	87	100	95
	383	none	79	81	71
	384	none	38	49	45
	385	none	38	43	43
	386	none	67	76	75
	387	none	64	73	70
	388	none	57	78	67
	389	none	62	64	64
	390	none	73	70	75
	391	completed	73	67	59
	392	none	77	68	77
	393	none	76	67	67
	394	completed	57	54	56
	395	completed	65	74	77
	396	none	48	45	41
	397	none	50	67	63
	398	none	85	89	95
	399	none	74	63	57
ırπ	555	none	1.7	00	01

	400	none	60	59	54
	401	completed	59	54	67
	402	none	53	43	43
	403	none	49	65	55
##	404	completed	88	99	100
##	405	none	54	59	62
##	406	none	63	73	68
##	407	completed	65	65	63
##	408	none	82	80	77
##	409	completed	52	57	56
##	410	completed	87	84	85
##	411	completed	70	71	74
##	412	completed	84	83	78
##	413	none	71	66	60
##	414	completed	63	67	67
	415	completed	51	72	79
	416	none	84	73	69
	417	completed	71	74	68
	418	none	74	73	67
	419	none	68	59	62
	420	completed	57	56	54
	421	completed	82	93	93
	422	completed	57	58	64
	423	=	47	58	67
	424	completed	59	85	80
	425	completed	41		34
	426	none	62	39 67	62
		none			
	427	none	86	83	86
	428	none	69	71	65
	429	none	65	59	53
	430	none	68	63	54
	431	none	64	66	59
	432	none	61	72	70
	433	none	61	56	55
	434	none	47	59	50
	435	none	73	66	66
	436	completed	50	48	53
	437	none	75	68	64
	438	none	75	66	73
	439	none	70	56	51
	440	completed	89	88	82
##	441	completed	67	81	79
##	442	none	78	81	80
##	443	none	59	73	69
##	444	none	73	83	76
##	445	none	79	82	73
##	446	completed	67	74	77
##	447	none	69	66	60
##	448	completed	86	81	80
##	449	none	47	46	42
##	450	none	81	73	72
##	451	completed	64	85	85
##	452	none	100	92	97
##	453	none	65	77	74

##	454	none	65	58	49
##	455	none	53	61	62
##	456	none	37	56	47
##	457	none	79	89	89
##	458	none	53	54	48
##	459	none	100	100	100
##	460	completed	72	65	68
##	461	none	53	58	55
##	462	none	54	54	45
##	463	none	71	70	76
##	464	none	77	90	91
##	465	completed	75	58	62
##	466	none	84	87	91
##	467	none	26	31	38
##	468	completed	72	67	65
##	469	completed	77	88	85
##	470	none	91	74	76
##	471	completed	83	85	90
##	472	none	63	69	74
##	473	completed	68	86	84
##	474	none	59	67	61
##	475	completed	90	90	91
##	476	completed	71	76	83
##	477	completed	76	62	66
##	478	none	80	68	72
##	479	none	55	64	70
##	480	none	76	71	67
	481	completed	73	71	68
	482	none	52	59	56
	483	none	68	68	61
	484	none	59	52	46
	485	none	49	52	54
	486	none	70	74	71
	487	none	61	47	56
	488	none	60	75	74
	489	completed	64	53	57
	490	completed	79	82	82
	491	none	65	85	76
	492	none	64	64	70
	493	none	83	83	90
	494	none	81	88	90
	495	none	54	64	68
	496	completed	68	64	66
	497	none	54	48	52
	498	completed	59	78	76
	499	none	66	69	68
	500	none	76	71	72
	501	none	74	79	82
	502	completed	94	87	92
	503	none	63	61	54
	504	completed	95	89	92
	505	none	40	59	54
	506	none	82	82	80
##	507	none	68	70	66

##	508	none	55	59	54
##	509	none	79	78	77
##	510	none	86	92	87
##	511	none	76	71	73
##	512	none	64	50	43
##	513	none	62	49	52
##	514	completed	54	61	62
##	515	completed	77	97	94
##	516	completed	76	87	85
##	517	none	74	89	84
##	518	completed	66	74	73
##	519	completed	66	78	78
##	520	completed	67	78	79
	521	none	71	49	52
	522	none	91	86	84
	523	none	69	58	57
	524	none	54	59	50
	525	completed	53	52	49
	526	none	68	60	59
	527	completed	56	61	60
	528	none	36	53	43
	529	none	29	41	47
	530	none	62	74	70
	531	completed	68	67	73
	532	none	47	54	53
	533	completed	62	61	58
	534	completed	79	88	94
	535	completed	73	69	68
	536	completed	66	83	83
	537	completed	51	60	58
	538	none	51	66	62
	539	completed	85	66	71
	540	completed	97	92	86
	541	completed	75	69	68
	542	completed	79	82	80
	543	none	81	77	79
	544	none	82	95	89
	545 546	none	64 78	63 83	66 80
	547	completed	92	100	97
	548	completed	72	67	64
	549	completed	62	67	64
	550	none	79	72	69
	551	none	79	76	65
	552	none completed	87	90	88
	553	none	40	48	50
	554	none	77	62	64
	555	none	53	45	40
	556	none	32	39	33
	557	completed	55	72	79
	558	none	61	67	66
	559	none	53	70	70
	560	none	73	66	62
	561	completed	74	75	79
	551	Comproduct	, -	10	13

##	562	none	63	74	74
	563	completed	96	90	92
##	564	completed	63	80	80
##	565	none	48	51	46
##	566	none	48	43	45
##	567	completed	92	100	100
##	568	completed	61	71	78
##	569	none	63	48	47
##	570	none	68	68	67
##	571	completed	71	75	70
##	572	none	91	96	92
##	573	none	53	62	56
##	574	completed	50	66	64
	575	none	74	81	71
	576	completed	40	55	53
	577	completed	61	51	52
	578	none	81	91	89
	579	completed	48	56	58
	580	none	53	61	68
	581	none	81	97	96
	582	none	77	79	80
	583	none	63	73	78
	584	completed	73	75 	80
	585	none	69	77	77
	586	none	65	76	76
	587	none	55	73	73
	588	none	44	63	62
	589	none	54	64	65
	590	none	48	66	65
	591	none	58	57	54
	592	none	71	62	50
	593	none	68	68	64
	594	none	74	76	73
	595 596	completed	92	100	99
	597	completed	56 30	79 24	72 15
	598	none	53	54	48
		none			
	599 600	none	69 65	77 82	73 81
	601	none none	54	60	63
	602	none	29	29	30
	603	none	76	78	80
	604	none	60	57	51
	605	completed	84	89	90
	606	none	75	72	62
	607	none	85	84	82
	608	none	40	58	54
	609	none	61	64	62
	610	none	58	63	65
	611	completed	69	60	63
	612	none	58	59	66
	613	completed	94	90	91
	614	none	65	77	74
	615	none	82	93	93
			J-	33	30

##	616	none	60	68	72
##	617	none	37	45	38
##	618	none	88	78	83
##	619	none	95	81	84
##	620	completed	65	73	68
##	621	none	35	61	54
##	622	none	62	63	56
##	623	completed	58	51	52
##	624	completed	100	96	86
##	625	none	61	58	62
##	626	completed	100	97	99
##	627	completed	69	70	63
##	628	none	61	48	46
##	629	none	49	57	46
##	630	completed	44	51	55
##	631	none	67	64	70
##	632	none	79	60	65
##	633	completed	66	74	81
	634	none	75	88	85
	635	none	84	84	80
	636	none	71	74	64
	637	completed	67	80	81
	638	completed	80	92	88
	639	none	86	76	74
	640	none	76	74	73
	641	none	41	52	51
	642	completed	74	88	90
	643	none	72	81	79
	644	completed	74	79	80
	645	none	70	65	60
	646	completed	65	81	81
	647	none	59	70	65
	648	none	64	62	68
	649	none	50	53	55
	650	completed	69	79	81
	651	completed	51	56	53
	652	completed	68	80	76
	653	completed	85	86	98
	654 655	completed	65	70	74
	655 656	none	73 62	79 67	79
	657	none	77	67	67
	658	none	69	66	64 61
	659	none	43	60	58
	660	none	90	87	85
	661	none	74	77	73
	662	none	73	66	63
	663	none	55	71	69
	664	none	65	69	67
	665	none	80	63	63
	666	completed	50	60	60
	667	completed	63	73	71
	668	none	77	85	87
	669	none	73	74	61
	200	110110	, 0	, ,	O1

шш	C70		0.1	70	77
	670	completed	81	72	77
	671	none	66	76	68
	672	none	52	57	50
	673	none	69	78	76
	674	completed	65	84	84
	675	completed	69	77	78
	676	completed	50	64	66
##	677	completed	73	78	76
##	678	completed	70	82	76
##	679	none	81	75	78
##	680	none	63	61	60
##	681	none	67	72	74
##	682	none	60	68	60
##	683	none	62	55	54
##	684	completed	29	40	44
##	685	completed	62	66	68
##	686	completed	94	99	100
##	687	completed	85	75	68
##	688	none	77	78	73
##	689	none	53	58	44
##	690	none	93	90	83
##	691	none	49	53	53
##	692	none	73	76	78
##	693	completed	66	74	81
##	694	none	77	77	73
##	695	none	49	63	56
##	696	none	79	89	86
##	697	completed	75	82	90
##	698	none	59	72	70
##	699	completed	57	78	79
##	700	none	66	66	59
##	701	completed	79	81	82
##	702	none	57	67	72
##	703	completed	87	84	87
##	704	none	63	64	67
##	705	completed	59	63	64
##	706	none	62	72	65
##	707	none	46	34	36
	708	none	66	59	52
##	709	none	89	87	79
	710	completed	42	61	58
	711	completed	93	84	90
	712	completed	80	85	85
	713	none	98	100	99
	714	none	81	81	84
	715	completed	60	70	74
	716	completed	76	94	87
	717	completed	73	78	72
	718	completed	96	96	99
	719	none	76	76	74
	720	completed	91	73	80
	721	none	62	72	70
	722	completed	55	59	59
	723	completed	74	90	88
	0	33mp1300d		50	30

## 724		ΕO	48	42
	none	50		
## 725	none	47	43	41
## 726	completed	81	74	71
## 727	completed	65	75	77
## 728	completed	68	51	57
## 729	none	73	92	84
## 730	none	53	39	37
## 731	${\tt completed}$	68	77	80
## 732	none	55	46	43
## 733	completed	87	89	94
## 734	none	55	47	44
## 735	none	53	58	57
## 736	none	67	57	59
## 737	none	92	79	84
## 738	completed	53	66	73
## 739	none	81	71	73
## 740	none	61	60	55
## 741	none	80	73	72
## 742	none	37	57	56
## 743	none	81	84	82
## 744	completed	59	73	72
## 745	none	55	55	47
## 746	none	72	79	74
## 747	none	69	75	71
## 748	none	69	64	68
## 749	none	50	60	59
## 750	completed	87	84	86
## 751	completed	71	69	68
## 752	none	68	72	65
## 753	completed	79	77	75
## 754	completed	77	90	85
## 755	none	58	55	53
## 756	none	84	95	92
## 757	none	55	58	52
## 758	completed	70	68	72
## 759	completed	52	59	65
## 760	completed	69	77	77
## 761	none	53	72	64
## 762	none	48	58	54
## 763	completed	78	81	86
## 764	none	62	62	63
## 765	none	60	63	59
## 766	none	74	72	72
## 767	completed	58	75	77
## 768	completed	76	62	60
## 769	none	68	71	75
## 770	none	58	60	57
## 771	none	52	48	49
## 772	none	75	73	74
## 773	completed	52	67	72
## 774	none	62	78	79
## 775	none	66	65	60
## 776	none	49	58	55
## 777	none	66	72	70
		· •	· -	

##	778	none	35	44	43
	779	completed	72	79	82
	780	completed	94	85	82
	781	none	46	56	57
	782	none	77	90	84
	783	completed	76	85	82
	784	completed	52	59	62
	785	completed	91	81	79
##	786	completed	32	51	44
	787	none	72	79	77
##	788	none	19	38	32
##	789	none	68	65	61
##	790	none	52	65	61
##	791	none	48	62	60
##	792	none	60	66	70
##	793	none	66	74	69
##	794	completed	89	84	77
##	795	none	42	52	51
##	796	completed	57	68	73
##	797	none	70	70	70
##	798	none	70	84	81
	799	none	69	60	54
	800	none	52	55	57
	801	completed	67	73	68
	802	completed	76	80	73
	803	none	87	94	95
	804	none	82	85	87
	805	none	73	76	78
	806	none	75	81	74
	807	none	64	74	75
	808	none	41	45	40
	809	none	90	75	69
	810	none	59	54	51
	811	none	51	31	36
	812	none	45	47	49
	813 814	completed	54	64 84	67 76
		completed	87		
	815 816	none	72 94	80 86	83 87
	817	completed	45	59	64
	818	none completed	61	70	76
	819	-	60	70	68
	820	none none	77	91	88
	821	completed	85	90	92
	822	none	78	90	93
	823	completed	49	52	51
	824	none	71	87	82
	825	none	48	58	52
	826	none	62	67	58
	827	completed	56	68	70
	828	none	65	69	76
	829	completed	69	86	81
	830	none	68	54	53
	831	none	61	60	57

шш	000	7 -+ - 1	7.4	0.0	00
	832	completed	74	86	89
	833	none	64	60	58
	834	completed	77	82	89
	835	none	58	50	45
	836	completed	60	64	74
	837	none	73	64	57
	838	completed	75	82	79
	839	completed	58	57	53
	840	none	66	77	73
	841	none	39	52	46
	842	none	64	58	51
	843	completed	23	44	36
##	844	completed	74	77	76
##	845	completed	40	65	64
##	846	none	90	85	84
##	847	completed	91	85	85
##	848	none	64	54	50
##	849	none	59	72	68
##	850	none	80	75	69
##	851	none	71	67	67
##	852	none	61	68	63
##	853	none	87	85	93
##	854	none	82	67	61
##	855	none	62	64	55
##	856	none	97	97	96
##	857	none	75	68	65
##	858	none	65	79	81
##	859	completed	52	49	46
##	860	none	87	73	72
##	861	none	53	62	53
##	862	none	81	86	87
##	863	completed	39	42	38
##	864	completed	71	71	80
##	865	none	97	93	91
	866	completed	82	82	88
	867	none	59	53	52
##	868	none	61	42	41
	869	completed	78	74	72
	870	none	49	51	51
	871	none	59	58	47
	872	completed	70	72	76
	873	completed	82	84	78
	874	none	90	90	82
	875	none	43	62	61
	876	none	80	64	66
	877	none	81	82	84
	878	none	57	61	54
	879	none	59	72	80
	880	none	64	76	74
	881	completed	63	64	66
	882	completed	71	70	70
	883	none	64	73	71
	884	none	55	46	44
	885		51	51	54
##	000	none	31	21	34

шш	886		60	76	00
		completed	62	76	80
##	887	completed	93	100	95
##	888	none	54	72	59
##	889	none	69	65	74
##	890	none	44	51	48
##	891	completed	86	85	91
##	892	none	85	92	85
##	893	none	50	67	73
##	894	completed	88	74	75
##	895	none	59	62	69
##	896	none	32	34	38
##	897	none	36	29	27
##	898	completed	63	78	79
##	899	completed	67	54	63
##	900	completed	65	78	82
##	901	none	85	84	89
##	902	none	73	78	74
##	903	completed	34	48	41
##	904	completed	93	100	100
##	905	none	67	84	84
##	906	none	88	77	77
##	907	none	57	48	51
##	908	completed	79	84	91
##	909	none	67	75	72
##	910	completed	70	64	70
##	911	none	50	42	48
##	912	none	69	84	82
##	913	completed	52	61	66
##	914	completed	47	62	66
##	915	none	46	61	55
##	916	none	68	70	66
##	917	completed	100	100	100
##	918	none	44	61	52
##	919	completed	57	77	80
##	920	completed	91	96	91
##	921	none	69	70	67
##	922	none	35	53	46
	923	none	72	66	66
	924	none	54	65	65
	925	none	74	70	69
	926	completed	74	64	60
	927	none	64	56	52
	928	completed	65	61	71
	929	completed	46	43	44
	930	none	48	56	51
	931	completed	67	74	70
	932	none	62	57	62
	933	completed	61	71	73
	934	completed	70	75	74
	935	completed	98	87	90
	936	none	70	63	58
	937	none	67	57	53
	938	none	57	58	57
	939	completed	85	81	85
##	303	combiered	05	01	00

##	940	completed	77	68	69
	941	completed	72	66	72
	942	-	78	91	96
		none			
	943	none	81	66	64
	944	completed	61	62	61
	945	none	58	68	61
	946	none	54	61	58
	947	none	82	82	80
	948	none	49	58	60
	949	completed	49	50	52
	950	completed	57	75	73
	951	none	94	73	71
	952	completed	75	77	83
	953	none	74	74	72
	954	completed	58	52	54
	955	none	62	69	69
	956	none	72	57	62
	957	none	84	87	81
	958	none	92	100	100
##	959	none	45	63	59
##	960	none	75	81	71
##	961	none	56	58	64
##	962	none	48	54	53
##	963	none	100	100	100
##	964	completed	65	76	75
##	965	none	72	57	58
##	966	none	62	70	72
##	967	completed	66	68	64
##	968	none	63	63	60
##	969	none	68	76	67
##	970	none	75	84	80
##	971	none	89	100	100
##	972	completed	78	72	69
##	973	completed	53	50	60
##	974	none	49	65	61
##	975	none	54	63	67
##	976	completed	64	82	77
##	977	completed	60	62	60
##	978	none	62	65	58
	979	completed	55	41	48
	980	none	91	95	94
##	981	none	8	24	23
	982	none	81	78	78
	983	completed	79	85	86
	984	completed	78	87	91
	985	none	74	75	82
	986	none	57	51	54
	987	none	40	59	51
	988	completed	81	75	76
	989	none	44	45	45
	990	completed	67	86	83
	991	completed	86	81	75
	992	completed	65	82	78
	993	none	55	76	76
π π		110116	00	10	10

```
## 994
                                             62
                                                             72
                                                                             74
                              none
## 995
                                             63
                                                                             62
                              none
                                                             63
## 996
                         completed
                                             88
                                                             99
                                                                             95
## 997
                                             62
                                                             55
                                                                             55
                              none
## 998
                         completed
                                             59
                                                             71
                                                                             65
## 999
                                                             78
                                                                             77
                         completed
                                             68
## 1000
                                                                             86
                              none
                                             77
```

#rename the columns

```
names(SP)[names(SP) == "math.score"]<-"subject1"
names(SP)[names(SP) == "reading.score"]<-"subject2"
names(SP)[names(SP) == "writing.score"]<-"subject3"</pre>
```

head(SP,5)

```
gender race.ethnicity parental.level.of.education
                                                                  lunch
## 1 female
                    group B
                                       bachelor's degree
                                                               standard
## 2 female
                                                               standard
                    group C
                                             some college
## 3 female
                    group B
                                         master's degree
                                                               standard
## 4
                    group A
       male
                                      associate's degree free/reduced
## 5
       male
                    group C
                                                               standard
                                             some college
##
     test.preparation.course subject1 subject2 subject3
## 1
                         none
                                     72
                                               72
## 2
                    completed
                                     69
                                               90
                                                        88
## 3
                                     90
                                               95
                                                        93
                         none
## 4
                         none
                                     47
                                               57
                                                        44
## 5
                                                        75
                                     76
                                               78
                         none
```

#descending order for subject 1

```
des <- SP %>%
  arrange(desc(subject1))
head(des,15)
```

```
##
      gender race.ethnicity parental.level.of.education
                                                                  lunch
## 1
                                       associate's degree free/reduced
        male
                     group E
## 2
     female
                     group E
                                             some college
                                                               standard
## 3
     female
                     group E
                                        bachelor's degree
                                                               standard
## 4
        male
                                             some college
                                                               standard
                     group A
## 5
        male
                     group D
                                             some college
                                                               standard
                                       bachelor's degree
## 6
        male
                                                               standard
                     group E
## 7
      female
                     group E
                                       associate's degree
                                                               standard
## 8
      female
                                                               standard
                     group E
                                        bachelor's degree
## 9
      female
                     group E
                                              high school
                                                               standard
## 10
        male
                     group E
                                                               standard
                                             some college
## 11
        male
                                                               standard
                     group C
                                             some college
## 12 female
                                                               standard
                     group D
                                             some college
## 13
        male
                                       associate's degree
                                                               standard
                     group C
## 14
        male
                     group E
                                             some college
                                                               standard
## 15 female
                                         some high school
                                                               standard
                     group D
##
      test.preparation.course subject1 subject2 subject3
```

```
## 1
                                       100
                                                 100
                                                            93
                      completed
## 2
                                                            97
                           none
                                       100
                                                  92
## 3
                                       100
                                                           100
                           none
                                                 100
## 4
                      completed
                                       100
                                                  96
                                                            86
## 5
                      completed
                                       100
                                                  97
                                                            99
## 6
                      completed
                                       100
                                                 100
                                                           100
## 7
                                       100
                                                 100
                                                           100
                           none
## 8
                                        99
                                                 100
                                                           100
                      completed
## 9
                           none
                                        99
                                                  93
                                                            90
## 10
                                        99
                                                  87
                                                            81
                      completed
## 11
                      completed
                                        98
                                                  86
                                                            90
                                        98
                                                            99
## 12
                                                 100
                           none
## 13
                                        98
                                                  87
                                                            90
                      completed
## 14
                                        97
                                                  87
                                                            82
                           none
## 15
                      completed
                                        97
                                                 100
                                                           100
```

#random number generator engine

```
sample.int(100, 5)
```

```
## [1] 31 2 82 43 11
```

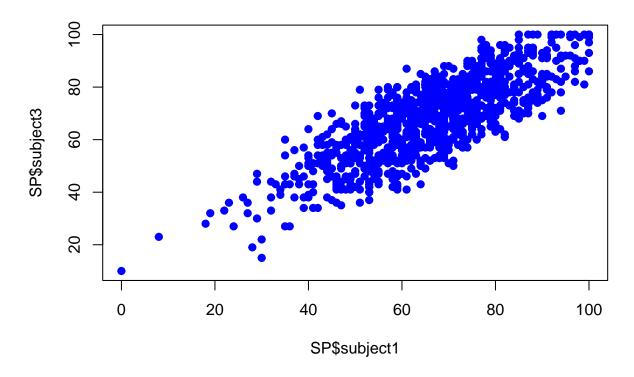
#Print the summary statistics of your datasheet

summary(SP)

```
##
                        race.ethnicity
                                            parental.level.of.education
       gender
##
    Length: 1000
                        Length: 1000
                                            Length: 1000
##
                                            Class : character
    Class : character
                        Class : character
##
         :character
                              :character
                                            Mode
                                                  :character
    Mode
                        Mode
##
##
##
##
       lunch
                        test.preparation.course
                                                     subject1
                                                                       subject2
    Length: 1000
                        Length: 1000
                                                                           : 17.00
##
                                                 Min.
                                                         : 0.00
                                                                    Min.
                                                  1st Qu.: 57.00
##
    Class : character
                        Class : character
                                                                    1st Qu.: 59.00
##
    Mode :character
                        Mode :character
                                                 Median : 66.00
                                                                    Median: 70.00
##
                                                 Mean
                                                         : 66.09
                                                                    Mean
                                                                           : 69.17
##
                                                  3rd Qu.: 77.00
                                                                    3rd Qu.: 79.00
##
                                                 Max.
                                                         :100.00
                                                                    Max.
                                                                           :100.00
##
       subject3
           : 10.00
##
    Min.
##
    1st Qu.: 57.75
##
    Median : 69.00
    Mean
           : 68.05
##
    3rd Qu.: 79.00
    Max.
           :100.00
```

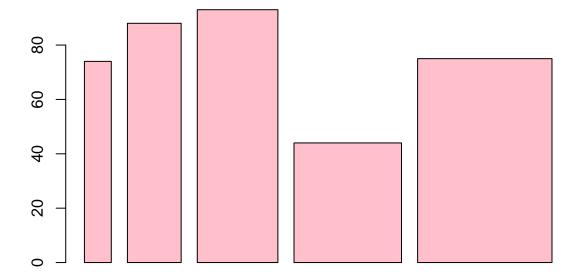
mode

```
find_mode <- function(x1)</pre>
  {
m <- unique(x1)</pre>
tab <- tabulate(match(x1, m))</pre>
m[tab == max(tab)]
find_mode(SP$subject1)
## [1] 65
#mean
mean(SP$subject2)
## [1] 69.169
\# \mathrm{median}
median(SP$subject1)
## [1] 66
#range
range(SP$subject3)
## [1] 10 100
\#\mathrm{scatter} plot for 2 variables
```



 $\# \mathrm{bar}$ plot for 2 variables

```
sp_new <- SP %>% mutate(id = row_number())
barplot(head(sp_new$subject3,5),head(sp_new$id,5), col = "pink")
```



#corelation between 2 variables

cor(SP\$subject2,SP\$subject3)

[1] 0.9545981