

573 Research Project

Troy Hall

4/6/2022

USER NOTE

Be sure to set all appropriate filepaths in the chunk below BEFORE running this code. Save all dependencies including the 2019 AESC CPS .dat file and .xml file, county data files, “IPUMS health var table” and “1990 Census to NAICS” to working directory BEFORE running this code.

If you focus on the regression prediction problem, please report results for the following methods: linear regression, LASSO/ridge/elastic net, regression trees and random forests, boosting, SVM, kNN.

If you focus on the classification problem, please report results for the following meth- ods: logistic regression, LDA/QDA, classification trees and random forests, boosting, SVM, and kNN.

```
setwd("C:/Users/graha/Dropbox/PC/Desktop/econ 573/final project")

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 1.3.1 --

## v ggplot2 3.3.5     v purrr    0.3.4
## v tibble   3.1.3     v stringr  1.4.0
## v tidyrr   1.2.0     vforcats  0.5.1
## v readr    2.0.1

## Warning: package 'tidyrr' was built under R version 4.1.2

## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()   masks stats::lag()
```

```
library(ipumsr)

## Warning: package 'ipumsr' was built under R version 4.1.3

library(readxl)
library(glmnet)

## Warning: package 'glmnet' was built under R version 4.1.2

## Loading required package: Matrix

##
## Attaching package: 'Matrix'

## The following objects are masked from 'package:tidyverse':
## 
##     expand, pack, unpack

## Loaded glmnet 4.1-3

library(ggplot2)
library(pls)

## Warning: package 'pls' was built under R version 4.1.2

##
## Attaching package: 'pls'

## The following object is masked from 'package:stats':
## 
##     loadings

library(class)
library(corrplot)

## Warning: package 'corrplot' was built under R version 4.1.2

## corrplot 0.92 loaded

##
## Attaching package: 'corrplot'

## The following object is masked from 'package:pls':
## 
##     corrplot
```

```
library(e1071)
library(leaps)

## Warning: package 'leaps' was built under R version 4.1.2

library(tree)

## Warning: package 'tree' was built under R version 4.1.2

## Registered S3 method overwritten by 'tree':
##   method      from
##   print.tree  cli

library(caret)

## Warning: package 'caret' was built under R version 4.1.3

## Loading required package: lattice

##
## Attaching package: 'caret'

## The following object is masked from 'package:pls':
## 
##     R2

## The following object is masked from 'package:purrr':
## 
##     lift

library(textir)

## Warning: package 'textir' was built under R version 4.1.3

## Loading required package: distrom

## Warning: package 'distrom' was built under R version 4.1.3

## Loading required package: gamlr

## Warning: package 'gamlr' was built under R version 4.1.3

## Loading required package: parallel

##
## Attaching package: 'distrom'

## The following object is masked from 'package:dplyr':
## 
##     collapse
```

```

library(GGally)

## Warning: package 'GGally' was built under R version 4.1.2

## Registered S3 method overwritten by 'GGally':
##   method from
##   +.gg   ggplot2

library(gamlr)
library(ggfortify")

```

```
## Warning: package 'ggfortify' was built under R version 4.1.2
```

Data import

```

if (!require("ipumsr")) stop("Reading IPUMS data into R requires the ipumsr package. It can be installed via")
ddi <- read_ipums_ddi("cps_00009.xml")
cpsdata <- read_ipums_micro(ddi)

## Use of data from IPUMS CPS is subject to conditions including that users should
## cite the data appropriately. Use command 'ipums_conditions()' for more details.

```

Data Cleaning

```

# Adults
cpsdata = subset(cpsdata, AGE >= 18)

# Industry movement variable
cpsdata$indmove = ifelse(cpsdata$IND1990==cpsdata$IND90LY, 1, 0)

# Live in a rural county (less than 100k people total)
cpsdata$rural = ifelse(cpsdata$COUNTY==0, 1, 0)

# Manufacturing workers
censustonaics = read_xlsx("1990censustoNAICS.xlsx")
censustonaics$`1990 Census` = as.numeric(censustonaics$`1990 Census`)

## Warning: NAs introduced by coercion

cpsdata = cpsdata %>%
  rename("1990 Census" = "IND1990")
cpsdata = cpsdata %>%
  left_join(censustonaics, by = "1990 Census")
manfacNAICS = c(11,21,31,32,33)

```

```

cpsdata$manufacturing = ifelse(cpsdata`1997 NAICS` %in% manfacNAICS, 1, 0)

# Health variable from 1 to 5 to continuous measure between 0 and 1
cpsdata$HEALTH = ifelse(cpsdata$HEALTH == 1, 1,
                        ifelse(cpsdata$HEALTH == 2, 0.75,
                               ifelse(cpsdata$HEALTH == 3, 0.5,
                                      ifelse(cpsdata$HEALTH == 4, 0.25,
                                             ifelse(cpsdata$HEALTH == 5, 0, NA)))))

# Reconciling SCHLCOLL var to a single category of not-in-school
cpsdata$SCHLCOLL = ifelse(cpsdata$SCHLCOLL==5, 0, cpsdata$SCHLCOLL)

# Categorizing EDUC into Below HS, HS, Some college, Associates, Bachelors, Graduate training
cpsdata$EDUC = ifelse(cpsdata$EDUC == 91, 92, cpsdata$EDUC)
cpsdata$Education = ifelse(cpsdata$EDUC < 73, 1,
                           ifelse(cpsdata$EDUC == 73, 2,
                                  ifelse(cpsdata$EDUC == 81, 3,
                                         ifelse(cpsdata$EDUC == 92, 4,
                                                ifelse(cpsdata$EDUC == 111, 5,
                                                      ifelse(cpsdata$EDUC > 111, 6, cpsdata$EDUC)))))

# Adding GDP per capita by state (Probably shouldn't use this variable. Population/GDP numbers are by s
countypopdata = read_excel(path = "County data 2001-19 (Autosaved).xlsx", sheet = 1)
countyGDPdata = read_csv("County GDP data 2001-19.csv")

## Rows: 108056 Columns: 28

## -- Column specification -----
## Delimiter: ","
## chr (26): GeoFIPS, GeoName, TableName, IndustryClassification, Description, ...
## dbl (2): Region, LineCode

##
## i Use 'spec()' to retrieve the full column specification for this data.
## i Specify the column types or set 'show_col_types = FALSE' to quiet this message.

countypopdata = countypopdata[c("GeoFIPS", "GeoName", "LineCode", "2019")]
countypopdata = countypopdata %>%
  rename("Population2019" = "2019")
countypopdata$GeoFIPS = str_sub(countypopdata$GeoFIPS, 2, -2)
countyGDPdata = countyGDPdata[c("GeoFIPS", "GeoName", "LineCode", "2019")]
countyGDPdata = countyGDPdata %>%
  rename("GDP2019" = "2019")

countypopdata = subset(countypopdata, countypopdata$LineCode %in% 10)
countyGDPdata = subset(countyGDPdata, countyGDPdata$LineCode %in% 10)

## Warning: One or more parsing issues, see 'problems()' for details

countydata = merge(countypopdata, countyGDPdata, by.x = "GeoFIPS", by.y = "GeoFIPS")
countydata = countydata[c("GeoFIPS", "GeoName.x", "LineCode.x", "Population2019", "GDP2019")]

```

```

cpsdata$COUNTY = ifelse(cpsdata$COUNTY == 00000, cpsdata$STATEFIP, cpsdata$COUNTY)
cpsdata$COUNTY = str_pad(cpsdata$COUNTY, width=5, side="right", pad="0")
cpsdata$STATEFIP = str_pad(cpsdata$STATEFIP, width=5, side="right", pad="0")

countydata$Population2019 = as.numeric(countydata$Population2019)

## Warning: NAs introduced by coercion

countydata$GDP2019 = as.numeric(countydata$GDP2019)

## Warning: NAs introduced by coercion

countydata = transform(countydata, GDPpercap = GDP2019*1000 / Population2019)

cpsdata1 = merge(cpsdata, countydata, by.x = "STATEFIP", by.y = "GeoFIPS")

# Adding job status vars
cpsdata1$changedjob = ifelse(cpsdata1$OCC1990 == cpsdata1$OCC90LY, 1,
                             ifelse(cpsdata1$OCC1990 != cpsdata1$OCC90LY, 2, 0))

cpsdata1$lostjob1 = ifelse(cpsdata1$OCC1990 == 999, 2, 0)
cpsdata1$lostjob2 = ifelse(cpsdata1$OCC90LY == 999, 1, 0)

cpsdata1$unempoversamp = ifelse(cpsdata1$OCC1990 + cpsdata1$OCC90LY == 3, 1, 0)
cpsdata1$lostjob = ifelse(cpsdata1$OCC90LY - cpsdata1$OCC1990 == -2, 1, 0)

# Race recode
cpsdata1$RACE = ifelse(cpsdata1$RACE == 999, 0, cpsdata1$RACE)
cpsdata1$RACE = ifelse(cpsdata1$RACE == 100, "White",
                      ifelse(cpsdata1$RACE == 200, "Black",
                            ifelse(cpsdata1$RACE == 651, "Asian",
                                  ifelse(cpsdata1$RACE == 652, "Asian", "Other"))))

# Hispanic
cpsdata1$HISPAN = ifelse(cpsdata1$HISPAN > 0, 1, 0)

# Married or not
cpsdata1$MARST = ifelse(cpsdata1$MARST > 2, 1, 0)

# Population status
cpsdata1$POPSTAT = ifelse(cpsdata1$POPSTAT == 1, "Civilian",
                           ifelse(cpsdata1$POPSTAT == 2, "Military",
                                 ifelse(cpsdata1$POPSTAT == 3, "Child", 0)))

# Citizen
cpsdata1$CITIZEN = ifelse(cpsdata1$CITIZEN == 5, 0, 1)

# Nativity
cpsdata1$NATIVITY = ifelse(cpsdata1$NATIVITY == 0, 1,
                           ifelse(cpsdata1$NATIVITY == 5, 1, 0))
cpsdata1 = cpsdata1 %>%

```

```

rename("bornabroad" = "NATIVITY")

# Empstat
cpsdata1$EMPSTAT = ifelse(cpsdata1$EMPSTAT == 1, "Military",
                           ifelse(cpsdata1$EMPSTAT == 10, "Employed",
                                  ifelse(cpsdata1$EMPSTAT == 12, "Employed",
                                         ifelse(cpsdata1$EMPSTAT == 21, "Unemployed",
                                                ifelse(cpsdata1$EMPSTAT == 22, "Unemployed",
                                                       ifelse(cpsdata1$EMPSTAT > 29, "NILF", NA))))))
                           )

# Labor force or NILF
cpsdata1$LABFORCE = ifelse(cpsdata1$LABFORCE == 2, 1, 0)

# Migration recode
cpsdata1$MIGRATE1 = ifelse(cpsdata1$MIGRATE1 == 1, "Same residence",
                           ifelse(cpsdata1$MIGRATE1 == 3, "Moved, same county",
                                  ifelse(cpsdata1$MIGRATE1 == 4, "Moved, diff county",
                                         ifelse(cpsdata1$MIGRATE1 == 5, "Moved, new state",
                                               ifelse(cpsdata1$MIGRATE1 == 6, "Moved, abroad", 0)))))

# Disability recode
cpsdata1$DISABWRK = ifelse(cpsdata1$DISABWRK == 2, 1, 0)

# Adjusting income vars to non-negative and logging
cpsdata1$HHINCOME = log(cpsdata1$HHINCOME + abs(min(cpsdata1$HHINCOME)) + 1)
cpsdata1$FTOTVAL = log(cpsdata1$FTOTVAL + abs(min(cpsdata1$FTOTVAL)) + 1)
cpsdata1$INCTOT = log(cpsdata1$INCTOT + abs(min(cpsdata1$INCTOT)) + 1)

# Keeping useful vars/cleanup
cpsdata1 = cpsdata1[c("HEALTH", "RACE", "HISPAN", "SEX", "MARST", "METRO", "Education", "STATEFIP", "HH"]

# Cleaning up hours worked
cpsdata1$UHRSWORKT = ifelse(cpsdata1$UHRSWORKT > 169, 0, cpsdata$UHRSWORKT)

# Metropolitan area (1 for metro area, 0 for not)
cpsdata1$METRO = ifelse(cpsdata1$METRO == 0, 0,
                       ifelse(cpsdata1$METRO == 1, 0,
                              ifelse(cpsdata1$METRO > 1.5, 1, 0)))

# Binary sex
cpsdata1$SEX = ifelse(cpsdata1$SEX == 1, 0,
                      ifelse(cpsdata1$SEX == 2, 1, 0))
cpsdata1 = cpsdata1 %>%
  rename("FEMALE" = "SEX")

# Binary health var
cpsdata1$goodhealth = ifelse(cpsdata1$HEALTH > 0.26, 1, 0)

cpsdataoriginaldataset = cpsdata
cpsdata = cpsdata1
cpsdata1

```

##	HEALTH	RACE	HISPAN	FEMALE	MARST	METRO	Education	STATEFIP	HHINCOME	AGE
## 1	1.00	Asian	0	1	1	1	6	10000	10.803669	24
## 2	0.50	Black	1	0	1	1	2	10000	11.109473	28
## 3	0.75	Other	1	1	0	1	6	10000	11.310332	25
## 4	0.50	White	0	0	0	1	2	10000	11.653087	41
## 5	1.00	Other	0	1	1	1	4	10000	11.285284	60
## 6	1.00	Other	0	0	1	1	2	10000	11.653087	19
## 7	0.25	Black	0	0	0	1	5	10000	11.350442	38
## 8	0.25	White	0	1	0	1	5	10000	11.350442	35
## 9	0.75	Asian	0	1	0	1	2	10000	11.653087	39
## 10	1.00	Black	1	0	1	1	2	10000	11.109473	40
## 11	0.75	White	1	0	0	1	1	10000	10.518700	33
## 12	0.75	White	1	1	0	1	1	10000	10.518700	32
## 13	0.75	Asian	0	1	1	1	5	10000	10.803669	22
## 14	0.75	White	0	0	1	1	3	10000	11.277266	20
## 15	0.25	White	1	1	0	1	3	10000	11.050922	47
## 16	0.25	White	1	0	0	1	2	10000	11.050922	50
## 17	0.25	White	1	0	1	1	2	10000	11.050922	22
## 18	0.25	White	1	0	1	1	2	10000	11.050922	20
## 19	0.50	White	1	0	0	1	2	10000	12.001512	64
## 20	0.50	White	1	1	0	1	4	10000	12.001512	66
## 21	0.50	White	1	0	0	1	5	10000	11.755942	34
## 22	1.00	Black	1	1	1	1	2	10000	11.109473	26
## 23	0.00	White	1	1	1	1	5	10000	10.518727	25
## 24	0.50	White	1	0	1	1	1	10000	11.050906	41
## 25	0.75	White	1	0	0	1	1	10000	11.277266	40
## 26	0.75	White	1	0	1	1	1	10000	10.518700	34
## 27	0.75	White	1	0	1	1	1	10000	10.668979	37
## 28	0.75	White	1	1	1	1	1	10000	10.668979	38
## 29	1.00	Other	0	1	1	1	4	10000	11.285284	60
## 30	0.25	Black	0	0	1	1	1	10000	11.285284	61
## 31	1.00	Black	1	1	1	1	2	10000	11.285284	26
## 32	0.50	White	1	1	1	1	1	10000	9.472782	64
## 33	0.50	White	1	1	0	1	1	10000	10.169844	54
## 34	0.00	White	1	0	0	1	1	10000	10.169844	47
## 35	0.75	White	1	1	0	1	5	10000	11.755942	32
## 36	0.50	Black	0	0	0	1	6	10000	11.437685	76
## 37	1.00	White	0	1	0	1	5	10000	12.561300	59
## 38	1.00	White	0	0	0	1	6	10000	12.561300	59
## 39	0.50	White	1	1	0	1	1	10000	11.277266	45
## 40	0.75	White	0	0	1	1	3	10000	11.277266	21
## 41	0.75	White	1	0	1	1	6	10000	12.628051	30
## 42	0.75	White	0	1	1	1	6	10000	12.628051	36
## 43	1.00	White	0	1	0	1	6	10000	13.108287	42
## 44	1.00	White	0	0	0	1	5	10000	13.108287	42
## 45	1.00	White	0	0	0	1	5	10000	13.108287	42
## 46	1.00	Asian	0	0	0	1	2	10000	11.697054	44
## 47	1.00	Asian	0	1	0	1	1	10000	11.697054	42
## 48	0.25	Black	0	1	0	1	6	10000	11.437685	74
## 49	0.50	White	0	0	0	1	4	10000	12.272820	35
## 50	0.50	White	1	1	0	1	5	10000	12.272820	30
## 51	0.50	White	1	0	0	1	1	10000	11.235893	55
## 52	1.00	White	0	1	1	1	6	10000	12.561300	28
## 53	0.75	White	0	0	0	1	3	10000	11.825149	36

## 54	0.75	White	0	1	0	1	4	10000	11.825149	35
## 55	0.75	Asian	0	1	0	1	2	10000	12.030242	42
## 56	0.75	White	0	1	1	1	6	10000	12.019038	51
## 57	0.75	White	0	1	1	1	6	10000	12.019038	51
## 58	0.75	White	1	0	1	1	2	10000	12.019038	57
## 59	0.75	White	1	1	1	1	5	10000	12.363081	47
## 60	0.75	White	1	1	1	1	5	10000	12.363081	47
## 61	0.75	White	0	0	1	1	6	10000	12.363081	52
## 62	0.75	White	1	1	1	1	3	10000	11.493263	23
## 63	0.50	White	1	1	1	1	1	10000	11.050906	42
## 64	0.50	White	1	0	1	1	1	10000	11.927733	20
## 65	0.75	White	0	0	0	1	1	10000	11.542591	55
## 66	0.75	White	1	1	0	1	1	10000	11.542591	58
## 67	0.75	White	1	0	1	1	4	10000	11.542591	21
## 68	1.00	Asian	0	0	1	1	5	10000	10.703469	22
## 69	1.00	White	0	0	1	1	5	10000	10.703469	22
## 70	0.50	White	0	1	1	1	5	10000	10.493937	63
## 71	0.00	White	0	0	1	1	2	10000	11.051541	60
## 72	0.75	Black	0	0	0	1	6	10000	12.257369	50
## 73	0.25	Black	0	1	0	1	5	10000	12.257369	48
## 74	0.75	Black	0	0	1	1	5	10000	12.257369	25
## 75	0.50	Black	0	1	1	1	1	10000	12.257369	74
## 76	0.25	White	0	1	0	1	5	10000	12.341482	54
## 77	1.00	White	0	0	0	1	2	10000	12.341482	53
## 78	0.75	White	0	0	1	1	4	10000	12.341482	25
## 79	0.75	White	0	1	1	1	3	10000	12.341482	21
## 80	0.75	White	0	0	1	1	4	10000	11.041337	50
## 81	0.25	White	0	1	1	1	2	10000	11.041337	78
## 82	0.25	White	0	1	1	1	2	10000	11.837535	49
## 83	1.00	White	0	0	1	1	2	10000	11.837535	20
## 84	0.75	White	0	0	1	1	1	10000	11.837535	19
## 85	1.00	White	0	0	0	1	2	10000	11.775782	62
## 86	1.00	White	0	0	0	1	2	10000	11.775782	62
## 87	0.75	White	0	1	0	1	2	10000	11.775782	56
## 88	0.75	White	0	1	1	1	2	10000	11.775782	21
## 89	0.75	White	0	0	1	1	3	10000	11.218299	60
## 90	0.75	White	1	1	1	1	3	10000	11.218299	42
## 91	0.75	White	1	1	0	1	1	10000	11.090309	51
## 92	0.50	White	1	0	0	1	1	10000	11.090309	49
## 93	0.75	White	1	1	1	1	3	10000	11.090309	19
## 94	0.75	White	0	1	1	1	6	10000	11.974160	47
## 95	0.50	White	1	1	1	1	5	10000	11.974160	50
## 96	0.50	White	1	0	0	1	2	10000	10.800412	39
## 97	0.75	White	1	1	0	1	5	10000	10.800412	38
## 98	1.00	White	1	1	1	1	2	10000	11.961501	31
## 99	1.00	Black	0	0	1	1	6	10000	11.961501	32
## 100	1.00	Other	1	0	1	1	5	10000	11.198228	27
## 101	1.00	Other	1	0	1	1	5	10000	11.198228	27
## 102	0.75	White	1	0	0	1	5	10000	11.927733	48
## 103	0.75	White	0	1	0	1	5	10000	11.927733	46
## 104	0.75	White	0	0	0	1	6	10000	12.284056	48
## 105	0.75	White	0	1	0	1	5	10000	12.284056	45
## 106	0.75	White	0	1	1	1	3	10000	12.284056	22
## 107	0.75	White	0	0	1	1	1	10000	12.284056	18

## 108	0.25	White	0	1	0	1	5	10000	11.742377	48
## 109	1.00	White	0	0	0	1	5	10000	11.742377	48
## 110	1.00	White	0	0	1	1	1	10000	11.742377	18
## 111	0.00	White	0	0	0	1	2	10000	10.684760	72
## 112	0.50	White	0	1	0	1	1	10000	10.684760	70
## 113	0.00	White	0	1	0	1	2	10000	11.083280	75
## 114	0.50	White	0	0	0	1	2	10000	11.083280	77
## 115	0.50	White	0	1	1	1	3	10000	11.083280	52
## 116	0.25	White	0	0	0	1	2	10000	12.144224	53
## 117	0.75	White	1	1	0	1	2	10000	12.144224	48
## 118	1.00	White	1	0	1	1	2	10000	12.144224	19
## 119	0.50	White	0	1	0	1	6	10000	11.518022	32
## 120	0.75	White	0	0	0	1	4	10000	11.518022	35
## 121	0.75	White	0	0	0	1	2	10000	11.637000	43
## 122	0.75	White	0	1	0	1	2	10000	11.637000	42
## 123	0.50	White	0	0	1	1	2	10000	10.300248	66
## 124	0.00	White	0	1	1	1	2	10000	10.300248	66
## 125	1.00	Black	0	0	1	1	2	10000	10.878255	23
## 126	1.00	Black	0	1	1	1	2	10000	10.878255	26
## 127	0.75	White	0	1	1	1	5	10000	11.127278	59
## 128	0.75	White	0	0	1	1	4	10000	11.085567	49
## 129	0.75	Asian	0	0	0	1	6	10000	11.026809	34
## 130	0.50	Black	0	0	1	1	1	10000	10.552474	38
## 131	0.50	Black	0	0	1	1	6	10000	10.552474	29
## 132	1.00	White	0	1	0	1	4	10000	11.800110	28
## 133	0.50	White	1	1	0	1	2	10000	11.235893	59
## 134	0.50	White	1	0	0	1	4	10000	12.375820	39
## 135	0.50	White	0	1	0	1	4	10000	12.375820	34
## 136	0.75	White	1	1	0	1	5	10000	10.545420	27
## 137	0.75	Black	1	0	0	1	5	10000	10.545420	28
## 138	0.50	White	0	0	0	1	5	10000	11.345725	59
## 139	0.50	White	1	1	0	1	4	10000	11.345725	58
## 140	0.75	White	1	0	0	1	4	10000	11.493263	52
## 141	0.50	White	1	1	0	1	5	10000	11.493263	50
## 142	0.75	White	1	0	1	1	2	10000	11.493263	21
## 143	0.50	Black	0	0	1	1	2	10000	9.787010	57
## 144	0.75	Black	0	0	1	1	3	10000	10.545631	64
## 145	0.25	White	0	0	0	1	6	10000	11.422530	74
## 146	0.75	Black	0	0	0	1	2	10000	11.422530	54
## 147	1.00	White	0	0	0	1	5	10000	12.078245	42
## 148	0.75	White	0	1	0	1	6	10000	12.078245	44
## 149	0.25	White	0	0	0	1	3	10000	11.014358	33
## 150	0.25	White	0	1	0	1	2	10000	11.014358	33
## 151	0.25	White	0	1	1	1	2	10000	11.014358	34
## 152	0.25	White	0	1	1	1	3	10000	11.014358	34
## 153	0.75	Black	0	1	0	1	6	10000	11.018646	40
## 154	0.50	Asian	0	1	1	1	3	10000	10.871004	52
## 155	0.50	Asian	0	1	1	1	3	10000	10.871004	52
## 156	0.50	Black	0	0	1	1	4	10000	11.402474	57
## 157	0.25	Black	0	1	1	1	1	10000	11.402474	35
## 158	0.75	White	0	1	1	1	3	10000	11.249975	80
## 159	0.75	White	0	1	1	1	5	10000	11.198228	36
## 160	0.50	White	0	1	0	1	5	10000	11.727851	44
## 161	0.75	Black	0	0	1	1	2	10000	11.512965	62

## 162	0.50	Black	0	1	1	1	4	10000	11.512965	48
## 163	1.00	White	0	0	0	1	3	10000	11.759809	33
## 164	1.00	White	0	1	0	1	5	10000	11.759809	33
## 165	0.25	White	0	1	1	1	2	10000	10.522907	80
## 166	0.50	White	0	0	1	1	5	10000	11.933214	32
## 167	0.75	White	0	0	1	1	5	10000	11.933214	32
## 168	1.00	Black	0	0	0	1	3	10000	11.878166	53
## 169	0.75	Black	0	0	1	1	4	10000	10.785766	53
## 170	0.75	Other	0	0	1	1	5	10000	10.785766	22
## 171	0.50	Black	0	0	0	1	6	10000	11.820881	45
## 172	0.75	Black	0	1	0	1	5	10000	11.820881	37
## 173	0.50	White	0	1	0	1	2	10000	12.027072	54
## 174	1.00	White	0	0	0	1	2	10000	12.027072	54
## 175	1.00	White	0	0	1	1	3	10000	12.027072	21
## 176	1.00	White	0	0	1	1	2	10000	12.027072	18
## 177	0.75	White	0	1	1	1	6	10000	10.162616	67
## 178	0.75	White	0	0	1	1	2	10000	12.647471	52
## 179	0.75	White	0	1	1	1	2	10000	12.647471	47
## 180	1.00	White	0	0	1	1	2	10000	12.647471	47
## 181	1.00	White	0	0	1	1	2	10000	12.647471	47
## 182	0.75	White	0	1	1	1	2	10000	12.647471	46
## 183	0.25	White	0	1	1	1	1	10000	12.647471	71
## 184	0.75	White	0	1	1	1	5	10000	10.913360	34
## 185	0.50	White	0	1	1	1	2	10000	11.502905	51
## 186	0.75	White	0	1	1	1	2	10000	11.502905	32
## 187	0.75	Asian	0	1	0	1	2	10000	11.551944	34
## 188	0.75	White	0	0	0	1	6	10000	11.551944	40
## 189	0.75	Black	0	0	1	1	5	10000	11.385103	58
## 190	1.00	Black	0	0	1	1	2	10000	11.385103	21
## 191	0.25	White	0	0	0	1	1	10000	11.728053	60
## 192	0.25	White	0	1	0	1	1	10000	11.728053	60
## 193	1.00	Other	1	0	0	1	3	10000	11.310332	28
## 194	0.75	White	0	0	0	1	1	10000	11.295515	69
## 195	0.75	White	0	0	0	1	6	10000	11.153404	59
## 196	0.75	White	0	1	0	1	6	10000	11.153404	54
## 197	1.00	White	0	1	0	1	6	10000	12.564471	48
## 198	1.00	White	0	0	0	1	6	10000	12.564471	47
## 199	1.00	White	0	0	0	1	6	10000	12.564471	47
## 200	0.75	White	0	0	0	1	5	10000	11.183866	73
## 201	0.75	White	0	1	0	1	3	10000	11.183866	71
## 202	0.75	Black	0	0	0	1	5	10000	11.385103	29
## 203	0.75	Black	0	1	0	1	5	10000	11.385103	24
## 204	0.75	Black	0	1	0	1	3	10000	10.449555	61
## 205	1.00	White	0	0	0	1	5	10000	12.260338	30
## 206	1.00	White	0	1	0	1	5	10000	12.260338	35
## 207	0.50	Black	0	1	0	1	5	10000	11.828714	52
## 208	0.00	Black	0	0	0	1	3	10000	11.828714	52
## 209	0.50	Black	0	0	1	1	2	10000	11.828714	21
## 210	0.50	Black	0	1	1	1	2	10000	11.828714	21
## 211	0.25	White	0	0	1	1	2	10000	9.930032	74
## 212	0.75	White	0	0	0	1	3	10000	11.008893	76
## 213	0.75	White	0	1	0	1	3	10000	11.008893	70
## 214	1.00	White	0	0	0	1	6	10000	11.800110	48
## 215	0.50	White	0	0	1	1	2	10000	11.800110	52

## 216	0.50	White	0	1	1	1	4	10000	11.800110	29
## 217	1.00	White	0	1	0	1	5	10000	11.732085	48
## 218	0.75	White	0	1	0	1	5	10000	11.732085	47
## 219	0.75	Black	0	0	1	1	2	10000	10.545368	47
## 220	0.25	White	0	1	1	1	3	10000	10.815831	58
## 221	0.75	White	0	1	1	1	3	10000	10.815831	26
## 222	0.75	Black	0	0	0	1	3	10000	11.863603	39
## 223	0.75	Black	0	1	0	1	4	10000	11.863603	38
## 224	1.00	White	0	0	1	1	5	10000	11.349253	36
## 225	1.00	White	0	1	1	1	4	10000	11.349253	39
## 226	1.00	Asian	0	1	0	1	3	10000	12.380459	35
## 227	1.00	White	0	0	0	1	4	10000	12.380459	41
## 228	0.75	White	0	0	0	1	5	10000	12.238109	59
## 229	0.75	White	0	1	0	1	5	10000	12.238109	57
## 230	0.25	White	0	1	0	1	2	10000	11.585590	53
## 231	0.00	White	0	0	0	1	2	10000	11.585590	52
## 232	0.50	White	0	0	1	1	3	10000	11.585590	22
## 233	0.75	Black	0	0	0	1	2	10000	11.644006	63
## 234	1.00	Black	0	1	1	1	5	10000	11.644006	38
## 235	0.75	White	0	0	1	1	3	10000	10.917649	44
## 236	0.75	Black	0	0	1	1	2	10000	10.917159	52
## 237	1.00	Black	0	0	1	1	2	10000	10.917159	23
## 238	0.50	Black	0	0	1	1	2	10000	10.917159	50
## 239	0.00	White	0	0	1	1	4	10000	10.975088	63
## 240	0.50	White	0	0	1	1	2	10000	10.975088	59
## 241	0.75	White	0	1	1	1	5	10000	11.050906	44
## 242	0.75	White	0	0	1	1	5	10000	11.050906	65
## 243	0.75	Black	0	0	1	1	4	10000	10.613590	53
## 244	0.75	Black	0	1	1	1	2	10000	10.613590	46
## 245	0.75	Black	0	1	1	1	5	10000	10.799596	58
## 246	0.75	White	0	0	1	1	4	10000	10.819178	77
## 247	1.00	White	0	1	1	1	2	10000	10.951000	53
## 248	0.50	Black	0	1	1	1	4	10000	10.678514	47
## 249	1.00	Black	0	1	1	1	3	10000	10.854199	61
## 250	0.50	White	0	1	0	1	2	10000	11.054012	70
## 251	0.50	White	0	0	0	1	3	10000	11.054012	80
## 252	0.50	Black	0	1	1	1	3	10000	10.645449	37
## 253	0.50	Black	0	0	1	1	1	10000	10.645449	19
## 254	0.75	Black	0	0	1	1	2	10000	10.645449	37
## 255	1.00	White	0	0	0	1	6	10000	12.808617	34
## 256	1.00	White	0	1	0	1	5	10000	12.808617	35
## 257	0.75	Asian	0	0	0	1	5	10000	11.034906	53
## 258	0.75	Asian	0	1	0	1	2	10000	11.034906	49
## 259	0.75	Asian	0	1	1	1	5	10000	11.034906	23
## 260	0.75	Asian	0	1	1	1	5	10000	11.034906	21
## 261	0.75	White	0	0	1	1	2	10000	10.553936	85
## 262	0.75	White	0	0	0	1	4	10000	10.999764	78
## 263	0.75	White	0	1	0	1	5	10000	10.999764	76
## 264	0.75	White	1	1	1	1	5	10000	10.499380	72
## 265	0.25	White	0	0	0	1	6	10000	13.238369	80
## 266	0.50	White	0	1	0	1	3	10000	13.238369	80
## 267	0.50	White	0	0	1	1	1	10000	11.127307	31
## 268	0.50	White	0	1	1	1	2	10000	11.127307	30
## 269	1.00	White	0	1	0	1	2	10000	11.604921	51

## 270	0.75	White	0	0	0	1	1	10000	11.604921	51
## 271	0.50	White	0	0	1	1	4	10000	11.222426	63
## 272	0.25	White	0	1	1	1	2	10000	11.222426	85
## 273	0.75	Black	0	0	1	1	5	10000	11.939741	64
## 274	0.75	Black	0	0	1	1	5	10000	11.939741	64
## 275	0.75	White	0	0	0	1	4	10000	11.694305	45
## 276	0.50	White	0	1	0	1	5	10000	11.694305	44
## 277	0.75	White	0	1	1	1	2	10000	11.694305	19
## 278	0.75	White	0	1	1	1	2	10000	11.694305	68
## 279	0.75	Black	0	0	1	1	5	10000	11.262513	60
## 280	0.50	Black	0	0	1	1	2	10000	11.262513	56
## 281	0.75	Black	0	1	1	1	2	10000	11.262513	70
## 282	0.25	White	0	1	1	1	2	10000	10.657753	80
## 283	0.00	White	0	1	1	1	2	10000	10.657753	50
## 284	0.25	White	0	1	1	1	2	10000	10.657753	25
## 285	0.50	Asian	0	0	0	1	2	10000	10.841559	62
## 286	0.75	White	0	1	1	1	2	10000	10.947661	44
## 287	0.75	Black	0	0	0	1	4	10000	11.736093	60
## 288	0.75	Black	0	1	0	1	2	10000	11.736093	55
## 289	0.75	Black	0	0	1	1	2	10000	11.736093	19
## 290	0.50	White	0	0	1	1	3	10000	11.547337	47
## 291	0.25	White	0	1	1	1	5	10000	10.611548	85
## 292	0.75	White	0	0	1	1	5	10000	11.870607	43
## 293	0.75	White	0	1	1	1	5	10000	11.385228	52
## 294	0.50	White	0	0	1	1	4	10000	11.706723	66
## 295	0.50	Black	0	0	1	1	2	10000	11.112463	55
## 296	0.75	White	0	1	1	1	4	10000	11.635152	50
## 297	0.75	White	0	0	1	1	2	10000	11.635152	28
## 298	0.75	Asian	0	1	0	1	6	10000	11.870607	50
## 299	0.75	Asian	0	1	0	1	6	10000	11.870607	50
## 300	0.75	Asian	0	0	0	1	6	10000	11.870607	51
## 301	0.75	Asian	0	0	0	1	6	10000	11.870607	51
## 302	1.00	White	0	0	0	1	5	10000	12.315855	46
## 303	1.00	White	0	1	0	1	6	10000	12.315855	45
## 304	0.50	Black	0	1	1	1	2	10000	10.166621	40
## 305	0.50	White	0	0	0	1	1	10000	10.330094	58
## 306	0.00	White	1	1	0	1	3	10000	10.330094	64
## 307	0.50	White	1	0	0	1	1	10000	11.034906	48
## 308	0.50	White	1	1	0	1	1	10000	11.034906	47
## 309	0.50	Asian	0	0	0	1	6	10000	11.127337	58
## 310	0.25	Asian	0	1	0	1	5	10000	11.127337	56
## 311	0.25	White	0	1	0	1	3	10000	11.534207	33
## 312	0.25	White	0	0	0	1	4	10000	11.534207	31
## 313	0.50	White	0	0	0	1	1	10000	10.463132	71
## 314	1.00	White	0	1	0	1	3	10000	10.463132	74
## 315	1.00	White	0	0	1	1	1	10000	10.463132	26
## 316	0.75	White	0	1	1	1	4	10000	10.463132	25
## 317	1.00	White	0	0	0	1	3	10000	12.738467	41
## 318	1.00	White	0	1	0	1	3	10000	12.738467	40
## 319	0.75	White	0	0	0	1	6	10000	12.017880	41
## 320	0.75	White	0	1	0	1	4	10000	12.017880	60
## 321	0.75	White	0	0	0	1	5	10000	12.108609	48
## 322	0.75	White	0	1	0	1	5	10000	12.108609	46
## 323	0.75	Black	0	1	1	1	6	10000	11.264503	47

## 324	0.75	White	0	0	1	1	2	10000	11.138552	67
## 325	0.50	White	0	0	1	1	2	10000	11.138552	30
## 326	0.75	White	0	1	0	1	5	10000	12.632180	53
## 327	0.75	White	0	0	0	1	5	10000	12.632180	53
## 328	0.75	White	0	1	1	1	4	10000	12.632180	23
## 329	1.00	White	0	1	0	1	5	10000	12.632180	27
## 330	0.75	White	0	0	0	1	2	10000	12.632180	28
## 331	0.75	Black	0	1	0	1	5	10000	12.269536	49
## 332	0.25	Black	0	0	0	1	4	10000	12.269536	54
## 333	0.75	Black	0	0	1	1	3	10000	12.269536	22
## 334	0.50	White	0	1	1	1	4	10000	10.774969	69
## 335	0.50	White	1	0	0	1	5	10000	12.165157	50
## 336	1.00	White	0	1	0	1	5	10000	12.165157	51
## 337	1.00	White	1	0	1	1	3	10000	12.165157	21
## 338	1.00	White	1	0	1	1	3	10000	12.165157	18
## 339	0.75	White	0	1	1	1	4	10000	10.933125	64
## 340	0.75	White	0	1	1	1	4	10000	11.770130	59
## 341	0.75	White	0	0	1	1	4	10000	11.770130	35
## 342	0.75	White	0	0	1	1	3	10000	11.770130	59
## 343	0.75	White	0	1	0	1	5	10000	11.687248	52
## 344	0.50	White	0	1	1	1	6	10000	12.536847	76
## 345	0.50	Black	0	0	1	1	3	10000	11.386693	31
## 346	0.00	Black	0	1	1	1	2	10000	11.984559	52
## 347	1.00	Black	0	0	1	1	2	10000	11.984559	27
## 348	0.50	Black	0	0	1	1	5	10000	11.984559	40
## 349	0.50	Black	0	0	1	1	3	10000	11.984559	51
## 350	0.75	Black	0	1	1	1	6	10000	12.091851	39
## 351	0.75	Black	0	0	1	1	2	10000	12.091851	38
## 352	0.75	Asian	0	0	1	1	6	10000	11.441999	33
## 353	0.50	Black	0	1	1	1	2	10000	10.218335	53
## 354	0.00	Black	0	0	0	1	2	10000	11.858506	66
## 355	0.50	Black	0	1	0	1	5	10000	11.858506	67
## 356	0.75	Black	0	1	1	1	3	10000	11.858506	43
## 357	1.00	Black	0	1	1	1	2	10000	9.472782	63
## 358	0.75	Black	0	1	1	1	6	10000	11.205054	27
## 359	0.25	Asian	0	0	0	1	1	10000	11.082173	74
## 360	0.75	Asian	0	1	0	1	4	10000	11.082173	72
## 361	0.50	White	0	1	1	1	5	10000	10.126671	46
## 362	0.75	Asian	0	1	0	1	5	10000	11.702479	34
## 363	0.75	Asian	0	0	0	1	5	10000	11.702479	37
## 364	0.50	Black	0	1	1	1	5	10000	12.194010	68
## 365	0.50	Black	0	0	1	1	5	10000	12.194010	24
## 366	0.50	Black	0	0	1	1	5	10000	12.194010	24
## 367	1.00	White	0	0	1	1	3	10000	11.408220	23
## 368	0.50	White	0	0	1	1	3	10000	11.408220	25
## 369	1.00	White	0	0	1	1	3	10000	11.408220	25
## 370	0.50	White	0	0	1	1	3	10000	11.408220	24
## 371	0.75	White	0	0	0	1	6	10000	12.862673	49
## 372	0.75	Asian	0	1	0	1	6	10000	12.862673	51
## 373	0.75	Other	1	0	0	1	1	10000	10.819798	38
## 374	0.75	Other	1	1	0	1	1	10000	10.819798	34
## 375	0.50	Other	1	0	1	1	1	10000	10.404293	37
## 376	0.50	Other	1	1	1	1	1	10000	10.404293	33
## 377	0.00	Other	1	0	1	1	2	10000	10.404293	40

## 378	0.50	Other	1	1	1	1	2	10000	10.404293	34
## 379	1.00	Other	1	1	0	1	1	10000	10.672693	31
## 380	1.00	Other	1	0	0	1	1	10000	10.672693	33
## 381	0.50	Black	0	1	0	1	6	10000	11.474621	58
## 382	0.50	Black	0	0	0	1	3	10000	11.474621	57
## 383	0.75	Black	0	0	1	1	1	10000	11.474621	18
## 384	0.75	Black	0	0	0	1	1	10000	10.217860	85
## 385	0.25	Black	0	1	0	1	1	10000	10.217860	85
## 386	1.00	Black	0	1	1	1	2	10000	10.819798	50
## 387	1.00	Black	0	1	1	1	2	10000	10.819798	21
## 388	0.50	Black	0	0	0	1	2	10000	11.233251	58
## 389	0.50	Black	0	1	0	1	2	10000	11.233251	53
## 390	1.00	White	0	0	0	1	5	10000	12.271823	32
## 391	1.00	White	0	1	0	1	5	10000	12.271823	32
## 392	1.00	White	0	1	0	1	6	10000	12.524643	50
## 393	1.00	White	0	0	0	1	6	10000	12.524643	51
## 394	0.75	White	0	0	1	1	5	10000	12.524643	21
## 395	1.00	White	0	1	1	1	2	10000	12.524643	18
## 396	0.50	White	0	0	0	1	6	10000	12.745716	57
## 397	0.50	White	0	1	0	1	2	10000	12.745716	56
## 398	1.00	White	0	0	1	1	5	10000	12.745716	24
## 399	1.00	Black	0	0	0	1	5	10000	11.599112	30
## 400	1.00	Black	0	1	0	1	6	10000	11.599112	30
## 401	0.00	Black	0	0	1	1	1	10000	10.012387	46
## 402	1.00	Black	0	0	1	1	1	10000	10.012387	47
## 403	0.50	Black	0	1	1	1	2	10000	10.361672	69
## 404	0.50	Black	0	0	1	1	2	10000	10.678238	37
## 405	0.50	Black	0	1	1	1	2	10000	10.678238	33
## 406	0.25	Black	0	1	1	1	1	10000	10.191707	69
## 407	0.25	White	0	1	1	1	6	10000	11.525871	42
## 408	0.75	Black	0	1	0	1	3	10000	12.225880	45
## 409	0.75	Black	0	0	0	1	2	10000	12.225880	41
## 410	0.75	Black	0	1	1	1	2	10000	10.275086	30
## 411	0.50	Black	0	0	1	1	1	10000	10.275086	26
## 412	1.00	White	0	1	1	1	3	10000	10.933125	42
## 413	1.00	Black	0	0	1	1	2	10000	11.041337	48
## 414	1.00	Black	0	0	1	1	2	10000	11.041337	26
## 415	0.75	White	0	0	0	1	4	10000	11.605058	52
## 416	0.75	White	0	1	0	1	5	10000	11.605058	42
## 417	0.00	Black	0	1	1	1	4	10000	10.061175	57
## 418	1.00	Black	0	1	1	1	3	10000	10.666021	28
## 419	1.00	Black	0	1	1	1	2	10000	10.961052	56
## 420	0.00	Black	0	0	1	1	2	10000	10.961052	28
## 421	0.00	Black	0	0	1	1	2	10000	10.234445	43
## 422	0.50	Black	0	0	1	1	1	10000	9.472782	49
## 423	1.00	Black	0	1	0	1	6	10000	11.780032	36
## 424	1.00	Black	0	0	0	1	3	10000	11.780032	36
## 425	1.00	White	0	0	0	1	6	10000	10.882490	33
## 426	1.00	White	1	1	0	1	5	10000	10.882490	35
## 427	0.75	White	0	0	1	1	6	10000	12.401487	30
## 428	0.50	White	0	0	0	1	6	10000	12.123783	45
## 429	0.50	White	0	1	0	1	6	10000	12.123783	47
## 430	0.75	White	0	0	1	1	1	10000	12.123783	18
## 431	0.75	White	0	0	0	1	5	10000	11.954407	48

## 432	0.75	White	0	1	0	1	4	10000	11.954407	46
## 433	0.75	White	0	1	1	1	5	10000	11.954407	22
## 434	0.75	White	0	1	1	1	2	10000	11.954407	18
## 435	0.75	White	0	0	0	1	6	10000	10.651596	68
## 436	0.25	White	0	1	0	1	5	10000	10.651596	62
## 437	1.00	White	1	1	1	1	2	10000	11.112463	30
## 438	1.00	White	1	0	1	1	2	10000	11.112463	35
## 439	0.50	White	1	0	1	1	5	10000	11.933699	48
## 440	0.50	White	1	0	1	1	2	10000	11.933699	44
## 441	0.50	White	1	0	1	1	5	10000	11.933699	45
## 442	1.00	White	1	0	1	1	2	10000	11.933699	36
## 443	0.75	White	1	0	0	1	2	10000	10.404293	42
## 444	0.75	White	1	1	0	1	2	10000	10.404293	42
## 445	1.00	White	0	1	1	1	6	10000	11.051176	42
## 446	0.75	White	0	0	0	1	6	10000	12.524966	42
## 447	0.75	White	0	1	0	1	5	10000	12.524966	35
## 448	1.00	Black	0	1	0	1	6	10000	11.729342	42
## 449	0.25	Black	0	0	0	1	4	10000	11.729342	42
## 450	0.75	Black	0	1	0	1	4	10000	12.316209	54
## 451	0.25	Black	0	0	0	1	5	10000	12.316209	49
## 452	0.75	Black	0	0	1	1	3	10000	12.316209	24
## 453	0.75	Black	0	0	1	1	2	10000	12.316209	22
## 454	0.75	Black	0	0	1	1	3	10000	12.316209	21
## 455	0.25	Black	0	0	1	1	4	10000	10.670350	52
## 456	0.50	White	0	0	0	1	3	10000	11.858081	37
## 457	0.50	White	0	1	0	1	5	10000	11.858081	35
## 458	0.00	White	0	1	1	1	2	10000	11.858081	69
## 459	0.75	White	0	0	0	1	2	10000	12.061255	48
## 460	0.75	White	0	1	0	1	6	10000	12.061255	43
## 461	0.75	White	0	0	1	1	2	10000	11.890176	37
## 462	0.75	White	0	0	1	1	2	10000	11.890176	37
## 463	0.50	White	0	1	1	1	4	10000	11.890176	39
## 464	0.75	White	0	0	0	1	6	10000	11.697985	39
## 465	0.50	White	0	1	0	1	6	10000	11.697985	39
## 466	1.00	White	0	1	1	1	6	10000	11.039733	46
## 467	0.75	Black	0	0	0	1	3	10000	11.128747	50
## 468	0.75	Black	0	1	0	1	2	10000	11.128747	46
## 469	0.50	Black	0	1	1	1	3	10000	11.128747	23
## 470	0.75	Asian	0	0	0	1	5	10000	12.464019	44
## 471	0.50	Asian	0	1	0	1	4	10000	12.464019	39
## 472	0.75	Asian	0	1	1	1	3	10000	12.464019	18
## 473	0.50	Black	0	0	0	1	5	10000	11.002133	53
## 474	0.50	Black	0	1	0	1	2	10000	11.002133	53
## 475	0.50	Black	0	1	1	1	6	10000	11.649474	56
## 476	0.75	White	0	0	0	1	6	10000	11.226589	32
## 477	0.75	White	0	1	0	1	4	10000	11.226589	30
## 478	1.00	Black	0	1	0	1	5	10000	11.666076	40
## 479	0.25	Black	0	0	0	1	6	10000	11.666076	39
## 480	1.00	Black	0	1	1	1	1	10000	11.666076	18
## 481	0.75	Black	0	1	1	1	3	10000	10.341775	80
## 482	0.50	White	0	0	0	1	6	10000	11.829020	37
## 483	0.75	White	0	1	0	1	5	10000	11.829020	35
## 484	0.75	White	0	1	1	1	4	10000	11.685466	72
## 485	1.00	White	0	1	0	1	5	10000	11.685466	49

## 486	0.25	White	0	0	0	1	2	10000	11.685466	53
## 487	0.75	White	0	0	0	1	5	10000	12.246139	36
## 488	0.50	White	0	1	0	1	5	10000	12.246139	35
## 489	0.75	White	0	1	0	1	5	10000	10.545368	32
## 490	0.50	White	0	0	0	1	4	10000	10.545368	32
## 491	0.75	White	1	1	0	1	6	10000	12.928951	47
## 492	0.50	White	0	0	0	1	6	10000	12.928951	58
## 493	0.25	Black	0	1	0	1	2	10000	9.472782	75
## 494	0.25	Black	0	0	0	1	2	10000	9.472782	76
## 495	0.75	White	0	1	1	1	4	10000	11.035228	55
## 496	1.00	White	0	1	1	1	4	10000	11.035228	25
## 497	0.25	Other	0	0	0	1	2	10000	11.455508	62
## 498	0.25	Other	0	1	0	1	2	10000	11.455508	59
## 499	0.50	White	0	1	1	1	6	10000	11.139003	72
## 500	0.25	White	0	0	1	1	4	10000	11.139003	44
## 501	0.25	White	0	0	1	1	4	10000	11.139003	44
## 502	0.75	White	0	1	0	1	5	10000	11.573738	50
## 503	0.75	White	0	0	0	1	2	10000	11.573738	51
## 504	0.25	White	0	0	0	1	3	10000	9.989711	42
## 505	0.00	White	0	0	0	1	1	10000	10.674544	80
## 506	0.00	White	0	1	0	1	1	10000	10.674544	64
## 507	0.00	White	0	0	1	1	1	10000	10.674544	45
## 508	0.25	White	0	0	1	1	1	10000	10.674544	39
## 509	0.25	Other	0	1	1	1	1	10000	10.674544	23
## 510	0.25	White	0	1	1	1	1	10000	10.674544	21
## 511	0.25	White	0	0	1	1	1	10000	10.674544	20
## 512	0.25	White	0	0	0	1	1	10000	10.674544	43
## 513	0.25	White	0	1	0	1	1	10000	10.674544	42
## 514	0.50	White	0	1	1	1	2	10000	10.740843	80
## 515	0.25	White	0	0	0	1	2	10000	11.027816	75
## 516	0.25	White	0	1	0	1	1	10000	11.027816	71
## 517	0.75	White	0	0	1	1	2	10000	11.027816	32
## 518	0.50	White	0	1	1	1	4	10000	11.432409	59
## 519	0.50	White	0	1	1	1	3	10000	11.432409	34
## 520	0.75	White	0	1	0	1	1	10000	11.549084	43
## 521	0.75	White	0	0	0	1	3	10000	11.549084	45
## 522	0.75	White	0	0	0	1	3	10000	11.549084	45
## 523	0.25	White	0	1	1	1	2	10000	10.658670	66
## 524	0.75	White	0	0	1	1	2	10000	10.658670	69
## 525	0.25	White	0	0	1	1	2	10000	10.864771	60
## 526	0.25	White	0	1	1	1	1	10000	10.864771	33
## 527	0.50	White	0	0	1	1	3	10000	10.465985	25
## 528	0.75	White	0	1	1	1	2	10000	10.465985	24
## 529	1.00	White	0	0	0	1	2	10000	11.199597	59
## 530	0.75	White	0	1	0	1	3	10000	11.199597	60
## 531	1.00	White	0	1	1	1	3	10000	11.199597	18
## 532	1.00	White	1	0	1	1	3	10000	10.970110	51
## 533	1.00	Asian	0	1	0	1	3	10000	11.878166	38
## 534	1.00	Asian	0	0	0	1	6	10000	11.326608	31
## 535	0.75	Asian	0	1	0	1	5	10000	11.326608	32
## 536	0.50	White	0	1	1	1	3	10000	10.757924	58
## 537	0.75	Black	0	0	0	1	6	10000	12.393846	58
## 538	0.75	Black	0	1	0	1	4	10000	12.393846	52
## 539	0.75	White	0	1	1	1	6	10000	12.160139	38

## 540	0.50	White	1	1	0	1	2	10000	9.503085	33
## 541	0.25	White	1	1	0	1	2	10000	12.045522	45
## 542	0.75	White	1	0	0	1	5	10000	12.045522	47
## 543	1.00	White	1	0	1	1	3	10000	12.045522	19
## 544	0.75	White	1	1	1	1	3	10000	12.045522	22
## 545	1.00	White	0	1	0	1	5	10000	12.392980	36
## 546	1.00	White	0	1	0	1	5	10000	12.392980	36
## 547	1.00	White	0	0	0	1	6	10000	12.392980	37
## 548	0.75	White	0	1	1	1	5	10000	11.409341	73
## 549	0.25	White	0	0	0	1	2	10000	11.119038	52
## 550	1.00	White	0	1	0	1	1	10000	11.119038	48
## 551	0.50	White	0	1	1	1	2	10000	11.119038	26
## 552	1.00	White	0	1	1	1	1	10000	11.119038	18
## 553	1.00	White	0	1	0	1	5	10000	10.221978	64
## 554	0.00	White	0	1	1	1	1	10000	10.283977	72
## 555	0.25	White	0	0	1	1	1	10000	10.283977	51
## 556	1.00	White	0	0	1	1	2	10000	11.689405	51
## 557	1.00	White	0	1	1	1	3	10000	11.689405	24
## 558	1.00	White	0	1	1	1	4	10000	11.689405	21
## 559	0.25	White	0	0	1	1	3	10000	10.736418	61
## 560	0.75	Other	1	1	1	1	1	10000	10.757924	51
## 561	0.25	White	0	0	1	1	1	10000	10.197052	54
## 562	0.75	White	0	1	0	1	5	10000	11.136164	72
## 563	0.75	White	0	0	0	1	5	10000	11.136164	74
## 564	0.75	White	0	1	0	1	3	10000	11.689950	62
## 565	0.75	White	0	0	0	1	5	10000	11.689950	67
## 566	0.50	White	0	1	1	1	4	10000	11.811555	45
## 567	0.50	White	0	0	1	1	6	10000	11.811555	56
## 568	0.25	Black	0	1	0	1	3	10000	10.815951	69
## 569	0.25	Black	0	0	0	1	5	10000	10.815951	71
## 570	1.00	White	0	1	0	1	6	10000	11.442514	47
## 571	0.75	White	0	1	1	1	5	10000	11.492753	48
## 572	0.50	Black	0	0	1	1	2	10000	11.492753	25
## 573	0.75	White	0	1	0	1	5	10000	12.011292	42
## 574	0.75	White	0	0	0	1	5	10000	12.011292	46
## 575	0.75	White	0	0	0	1	6	10000	13.078278	53
## 576	0.75	White	0	1	0	1	3	10000	13.078278	52
## 577	0.50	White	0	1	0	1	2	10000	11.230868	72
## 578	0.50	White	0	0	0	1	4	10000	11.230868	72
## 579	0.50	White	0	0	0	1	4	10000	11.059094	67
## 580	0.25	White	0	1	0	1	5	10000	11.059094	64
## 581	0.25	White	0	1	1	1	5	10000	10.550303	85
## 582	0.25	White	0	1	1	1	1	10000	10.181271	78
## 583	0.25	White	0	1	1	1	1	10000	10.181271	59
## 584	0.50	White	0	0	1	1	3	10000	10.307919	55
## 585	0.00	White	0	0	1	1	1	10000	10.266602	66
## 586	0.50	White	0	1	1	1	6	10000	11.392575	71
## 587	0.25	White	0	1	1	1	3	10000	10.455100	75
## 588	0.25	White	0	0	1	1	2	10000	10.239996	23
## 589	0.50	White	0	1	1	1	4	10000	10.162809	43
## 590	0.75	White	0	1	0	1	3	10000	12.019749	72
## 591	0.75	White	0	0	0	1	5	10000	12.019749	72
## 592	0.25	Black	0	1	0	1	2	10000	10.408376	69
## 593	0.25	Black	0	0	0	1	2	10000	10.408376	77

## 594	1.00	White	0	1	1	1	3	10000	11.199939	54
## 595	1.00	White	0	0	1	1	5	10000	11.590812	38
## 596	1.00	White	0	0	1	1	5	10000	11.590812	38
## 597	0.75	White	0	0	1	1	1	10000	11.101176	64
## 598	0.75	White	0	1	1	1	5	10000	13.547894	47
## 599	0.75	White	1	1	1	1	1	10000	10.839620	44
## 600	0.00	Black	0	1	1	1	1	10000	10.028842	61
## 601	0.75	Black	0	1	1	1	5	10000	10.028842	25
## 602	0.75	White	0	0	1	1	6	10000	11.352780	60
## 603	0.50	White	0	0	0	1	6	10000	11.732543	66
## 604	0.75	White	0	1	0	1	3	10000	11.732543	64
## 605	1.00	White	0	1	0	1	3	10000	12.198051	77
## 606	1.00	White	0	0	0	1	5	10000	12.198051	76
## 607	0.75	White	0	0	0	1	3	10000	10.898257	77
## 608	1.00	White	0	1	0	1	2	10000	10.898257	75
## 609	0.50	White	0	1	0	1	2	10000	11.198228	60
## 610	0.50	White	0	0	0	1	2	10000	11.198228	55
## 611	1.00	White	0	1	0	1	3	10000	10.404293	23
## 612	1.00	White	0	0	0	1	2	10000	10.404293	25
## 613	0.25	White	0	0	1	1	6	10000	11.686971	52
## 614	0.75	White	0	1	1	1	3	10000	10.968250	27
## 615	0.75	White	0	1	0	1	6	10000	11.495973	71
## 616	0.25	White	0	0	0	1	6	10000	11.495973	73
## 617	0.75	White	0	0	0	1	6	10000	11.931984	67
## 618	0.75	White	0	1	0	1	5	10000	11.931984	65
## 619	0.25	White	0	1	1	1	2	10000	10.743264	78
## 620	0.75	White	0	1	1	1	2	10000	10.743264	54
## 621	0.25	White	0	1	0	1	2	10000	9.972314	73
## 622	0.25	White	0	0	0	1	1	10000	9.972314	71
## 623	0.75	White	0	1	1	1	3	10000	10.553753	62
## 624	0.50	White	1	1	0	1	2	10000	11.259336	39
## 625	0.50	White	1	0	0	1	1	10000	11.259336	45
## 626	0.25	White	0	0	0	1	5	10000	11.635152	77
## 627	0.50	White	0	1	0	1	4	10000	11.635152	43
## 628	0.50	White	0	0	1	1	4	10000	11.635152	21
## 629	0.50	White	0	0	1	1	4	10000	11.635152	21
## 630	0.50	White	0	1	0	1	2	10000	10.985310	35
## 631	0.50	White	0	0	0	1	2	10000	10.985310	37
## 632	0.75	Black	0	0	0	1	2	10000	11.922462	56
## 633	0.75	Black	0	1	0	1	5	10000	11.922462	56
## 634	0.75	Black	0	0	1	1	3	10000	11.922462	21
## 635	0.50	Black	0	0	0	1	5	10000	12.146726	66
## 636	0.25	Black	0	1	0	1	5	10000	12.146726	76
## 637	0.25	White	0	0	1	1	5	10000	10.803405	37
## 638	1.00	White	0	1	1	1	4	10000	10.341936	35
## 639	1.00	White	0	0	1	1	5	10000	11.440527	37
## 640	0.25	White	0	1	1	1	4	10000	11.093296	66
## 641	1.00	White	0	1	1	1	2	10000	11.093296	25
## 642	0.50	White	0	0	0	1	2	10000	11.409286	70
## 643	0.75	White	0	1	0	1	2	10000	11.409286	68
## 644	0.25	White	0	0	0	1	2	10000	10.961330	75
## 645	0.25	White	0	1	0	1	2	10000	10.961330	70
## 646	0.50	White	0	1	1	1	5	10000	10.659492	76
## 647	0.50	White	0	1	1	1	3	10000	9.887104	36

## 648	0.50	White	0	1	1	1	2	10000	10.318804	78
## 649	0.75	White	0	0	0	1	3	10000	11.753917	41
## 650	0.50	White	0	1	0	1	3	10000	11.753917	62
## 651	0.25	White	0	0	0	1	2	10000	10.841403	78
## 652	0.50	White	0	1	0	1	2	10000	10.841403	72
## 653	0.75	White	0	0	1	1	3	10000	10.778977	60
## 654	0.50	White	0	1	1	1	5	10000	10.413223	73
## 655	0.00	White	0	0	1	1	4	10000	10.379535	49
## 656	0.00	White	0	0	1	1	4	10000	10.379535	49
## 657	0.50	White	0	1	1	1	5	10000	10.379535	47
## 658	0.50	White	0	0	1	1	6	10000	11.718345	68
## 659	0.50	White	1	1	1	1	5	10000	11.718345	46
## 660	0.75	White	0	1	1	1	2	10000	11.287304	25
## 661	0.75	White	0	1	1	1	2	10000	11.287304	23
## 662	0.75	White	0	1	0	1	6	10000	11.289819	33
## 663	0.75	White	0	0	0	1	2	10000	11.289819	36
## 664	0.75	White	0	1	0	1	5	10000	11.798210	33
## 665	1.00	White	0	0	0	1	6	10000	11.798210	32
## 666	0.25	White	0	0	0	1	4	10000	11.418648	34
## 667	0.25	White	0	1	0	1	4	10000	11.418648	33
## 668	0.75	White	0	0	0	1	3	10000	12.152572	51
## 669	0.50	White	0	1	0	1	4	10000	12.152572	48
## 670	0.75	White	0	1	0	1	6	10000	12.364592	56
## 671	0.50	White	0	0	0	1	6	10000	12.364592	61
## 672	1.00	White	1	0	1	1	1	10000	10.668979	30
## 673	1.00	White	1	1	0	1	6	10000	11.522886	37
## 674	1.00	White	0	0	0	1	6	10000	11.522886	39
## 675	0.75	White	1	0	0	1	1	10000	10.819798	39
## 676	0.75	White	1	1	0	1	1	10000	10.819798	39
## 677	0.50	White	0	0	1	1	2	10000	11.219480	41
## 678	1.00	White	0	1	0	1	5	10000	11.837188	31
## 679	1.00	White	0	0	0	1	5	10000	11.837188	36
## 680	1.00	White	0	0	0	1	4	10000	11.510593	30
## 681	1.00	White	0	1	0	1	5	10000	11.510593	30
## 682	0.25	Black	0	0	0	1	1	10000	10.785042	77
## 683	0.25	Black	0	1	0	1	3	10000	10.785042	76
## 684	0.75	Black	0	0	1	1	4	10000	12.032772	44
## 685	1.00	White	0	1	1	1	2	10000	12.032772	19
## 686	0.75	White	0	1	1	1	5	10000	12.032772	37
## 687	1.00	White	0	0	1	1	2	10000	11.352921	39
## 688	1.00	White	0	1	1	1	2	10000	11.352921	33
## 689	0.25	White	0	0	0	1	5	10000	12.855793	34
## 690	0.50	White	0	1	0	1	5	10000	12.855793	35
## 691	0.00	Black	0	1	1	1	1	10000	9.472782	54
## 692	0.50	Black	0	0	1	1	1	10000	10.342162	80
## 693	0.25	Black	0	0	0	1	2	10000	10.679711	54
## 694	0.25	Black	0	1	0	1	2	10000	10.679711	54
## 695	0.50	Black	0	0	0	1	1	10000	10.724016	56
## 696	0.50	Black	0	1	0	1	2	10000	10.724016	49
## 697	0.50	Black	0	1	0	1	4	10000	11.744132	56
## 698	0.50	Black	0	0	0	1	5	10000	11.744132	52
## 699	0.50	White	0	0	0	1	5	10000	11.451327	39
## 700	0.50	White	0	1	0	1	5	10000	11.451327	41
## 701	0.50	Black	0	0	0	1	2	10000	12.631491	65

## 702	0.50	White	0	1	0	1	6	10000	12.631491	63
## 703	0.50	Other	0	0	1	1	2	10000	12.631491	37
## 704	0.75	White	0	0	0	1	6	10000	12.107097	52
## 705	0.25	White	0	1	0	1	5	10000	12.107097	49
## 706	0.75	White	0	0	1	1	3	10000	12.107097	21
## 707	0.75	White	0	1	1	1	2	10000	12.107097	19
## 708	0.00	White	0	0	0	1	2	10000	11.207202	78
## 709	0.00	White	0	1	0	1	2	10000	11.207202	76
## 710	0.00	Black	0	0	0	1	4	10000	11.156808	77
## 711	0.50	Black	0	1	0	1	5	10000	11.156808	71
## 712	0.50	Black	0	0	1	1	3	10000	11.156808	34
## 713	0.25	White	0	1	1	1	6	10000	10.427062	85
## 714	0.75	Black	0	1	1	1	2	10000	11.070817	65
## 715	0.50	Black	0	0	1	1	2	10000	11.070817	36
## 716	0.50	Black	0	0	1	1	3	10000	11.070817	26
## 717	1.00	White	0	0	0	1	5	10000	12.241126	31
## 718	0.75	White	0	1	0	1	5	10000	12.241126	41
## 719	0.75	Black	0	1	1	1	5	10000	12.063939	47
## 720	0.50	Black	0	1	1	1	4	10000	12.063939	28
## 721	0.75	White	0	0	0	1	4	10000	11.904995	65
## 722	0.75	White	0	1	0	1	4	10000	11.904995	60
## 723	0.75	White	0	1	1	1	3	10000	11.904995	23
## 724	0.75	White	0	1	1	1	2	10000	11.090126	61
## 725	0.50	White	0	0	0	1	2	10000	11.091971	41
## 726	1.00	Other	0	0	0	1	2	10000	11.127278	50
## 727	1.00	Other	0	1	0	1	5	10000	11.127278	53
## 728	0.50	White	0	0	1	1	2	10000	9.472782	85
## 729	0.50	White	0	0	0	1	5	10000	12.342355	33
## 730	0.50	White	0	1	0	1	2	10000	12.342355	36
## 731	0.50	White	0	0	0	1	2	10000	11.354820	73
## 732	0.00	White	0	1	0	1	5	10000	11.354820	75
## 733	0.50	White	0	0	0	1	5	10000	11.324075	67
## 734	0.50	White	0	1	0	1	5	10000	11.324075	65
## 735	0.50	White	0	1	1	1	5	10000	11.324075	34
## 736	0.25	White	0	1	1	1	5	10000	11.626495	77
## 737	0.50	White	0	1	1	1	6	10000	11.626495	52
## 738	0.75	Black	0	0	0	1	2	10000	11.782960	65
## 739	0.75	Black	0	1	0	1	2	10000	11.782960	58
## 740	1.00	Black	0	1	1	1	1	10000	11.782960	18
## 741	0.75	White	0	0	0	1	2	10000	11.847317	55
## 742	0.25	White	0	1	0	1	2	10000	11.847317	47
## 743	0.75	White	0	0	1	1	3	10000	11.847317	19
## 744	0.50	Black	0	1	1	1	4	10000	10.203629	52
## 745	0.50	Black	0	0	1	1	3	10000	10.203629	30
## 746	0.75	Black	1	0	0	1	3	10000	11.589071	52
## 747	0.75	Black	1	1	0	1	5	10000	11.589071	52
## 748	0.75	Black	1	0	1	1	2	10000	11.589071	21
## 749	0.75	White	0	1	0	1	2	10000	11.156308	45
## 750	0.75	White	0	0	0	1	2	10000	11.156308	47
## 751	0.75	White	0	0	1	1	2	10000	11.156308	26
## 752	0.75	White	0	1	1	1	3	10000	11.156308	23
## 753	1.00	Black	0	1	0	1	6	10000	11.732109	33
## 754	0.75	Black	0	0	0	1	5	10000	11.732109	38
## 755	0.75	White	0	1	1	1	5	10000	10.980178	66

## 756	0.00	White	0	0	1	1	2	10000	10.814846	66
## 757	1.00	White	0	0	0	1	3	10000	12.220986	54
## 758	0.75	White	0	1	0	1	5	10000	12.220986	58
## 759	0.50	Black	0	0	1	1	6	10000	10.571343	29
## 760	0.75	White	0	1	1	1	3	10000	11.050922	21
## 761	0.75	White	0	0	1	1	3	10000	11.050922	22
## 762	0.75	Black	0	0	1	1	4	10000	10.839601	60
## 763	0.00	White	0	0	0	1	3	10000	11.182489	78
## 764	0.50	White	0	1	0	1	2	10000	11.182489	72
## 765	0.75	White	0	0	1	1	5	10000	11.124170	69
## 766	0.25	White	0	1	1	1	6	10000	11.124170	85
## 767	0.50	Asian	0	0	1	1	6	10000	10.659633	36
## 768	0.50	Asian	0	0	1	1	6	10000	10.659633	36
## 769	0.75	White	0	1	1	1	2	10000	11.885592	49
## 770	0.75	White	0	1	1	1	2	10000	11.885592	25
## 771	1.00	White	0	1	1	1	1	10000	11.885592	18
## 772	0.50	White	0	1	1	1	1	10000	11.885592	85
## 773	0.75	Black	0	1	0	1	2	10000	11.246392	44
## 774	0.75	Black	0	0	0	1	2	10000	11.246392	45
## 775	0.75	Black	0	0	1	1	2	10000	11.246392	20
## 776	0.50	Black	0	0	1	1	3	10000	10.968216	53
## 777	0.75	Black	0	1	1	1	3	10000	10.528409	31
## 778	0.75	White	0	0	0	1	6	10000	12.067253	57
## 779	0.25	White	0	1	0	1	5	10000	12.067253	57
## 780	0.75	White	0	1	1	1	5	10000	12.067253	25
## 781	0.75	Asian	0	1	1	1	6	10000	12.016835	43
## 782	0.75	Black	0	0	0	1	3	10000	11.592217	63
## 783	0.75	White	0	1	0	1	4	10000	11.592217	50
## 784	0.75	White	1	0	0	1	5	10000	12.303263	56
## 785	0.75	White	0	1	0	1	3	10000	12.303263	48
## 786	0.50	Black	0	0	0	1	5	10000	11.597818	74
## 787	0.75	Black	1	1	0	1	5	10000	11.597818	60
## 788	0.75	White	0	0	1	1	4	10000	11.201729	45
## 789	0.75	White	0	1	1	1	2	10000	11.201729	36
## 790	0.50	White	0	1	1	1	2	10000	10.160143	57
## 791	0.50	Black	0	0	1	1	5	10000	11.045351	36
## 792	0.50	Black	0	1	1	1	3	10000	11.045351	32
## 793	0.00	Black	0	0	1	1	2	10000	10.220486	59
## 794	0.25	Black	0	1	0	1	3	10000	10.532949	70
## 795	0.75	Black	0	0	0	1	2	10000	12.201176	54
## 796	0.75	White	0	1	0	1	2	10000	12.201176	47
## 797	1.00	Other	0	1	1	1	3	10000	12.201176	23
## 798	0.75	Other	0	1	1	1	1	10000	12.201176	18
## 799	0.00	Asian	0	1	1	1	4	10000	10.694895	58
## 800	0.50	Other	0	0	1	1	3	10000	10.694895	36
## 801	0.25	Other	0	0	1	1	2	10000	10.694895	33
## 802	0.00	White	0	1	1	1	2	10000	10.511512	60
## 803	0.50	White	0	1	1	1	2	10000	10.136700	69
## 804	0.25	White	0	1	1	1	1	10000	10.682308	72
## 805	1.00	White	0	0	1	1	6	10000	10.463132	85
## 806	0.75	White	0	1	1	1	2	10000	11.327427	58
## 807	0.25	White	0	1	1	1	4	10000	11.327427	55
## 808	0.50	White	0	0	0	1	3	10000	10.736440	23
## 809	0.50	White	0	1	0	1	2	10000	10.736440	22

## 810	0.25	White	0	0	1	1	1	10000	10.724588	54
## 811	0.25	White	0	1	1	1	1	10000	10.724588	80
## 812	0.50	Asian	0	1	0	1	6	10000	11.556741	49
## 813	0.50	Asian	0	0	0	1	6	10000	11.556741	54
## 814	0.50	White	0	0	0	1	3	10000	12.409450	66
## 815	0.50	White	0	1	0	1	3	10000	12.409450	63
## 816	0.50	White	0	0	0	1	6	10000	11.521816	75
## 817	0.50	White	0	1	0	1	3	10000	11.521816	73
## 818	0.50	White	0	1	0	1	4	10000	12.018929	63
## 819	0.50	White	0	0	0	1	5	10000	12.018929	65
## 820	1.00	Black	0	1	1	1	2	10000	10.686407	32
## 821	0.75	Black	0	0	0	1	3	10000	11.478179	48
## 822	0.75	Black	0	1	0	1	3	10000	11.478179	48
## 823	1.00	Black	0	0	1	1	3	10000	11.478179	20
## 824	1.00	Black	1	1	1	1	5	10000	11.025377	31
## 825	0.25	White	0	1	0	1	6	10000	11.053838	59
## 826	0.75	White	0	0	0	1	3	10000	11.053838	62
## 827	0.25	White	0	1	1	1	2	10000	10.408768	85
## 828	0.75	White	0	1	0	1	1	10000	11.116752	80
## 829	0.75	White	0	0	0	1	2	10000	11.116752	77
## 830	0.75	White	0	1	1	1	3	10000	10.670373	73
## 831	0.75	White	0	1	0	1	3	10000	11.833885	46
## 832	0.25	White	0	0	0	1	5	10000	11.833885	54
## 833	0.25	White	0	1	1	1	3	10000	11.833885	75
## 834	1.00	White	0	1	0	1	2	10000	11.833885	23
## 835	0.75	White	0	0	0	1	2	10000	11.833885	25
## 836	0.75	Black	0	1	1	1	3	10000	10.676231	67
## 837	0.25	White	0	1	1	1	5	10000	10.809667	71
## 838	0.75	White	0	0	0	1	2	10000	10.875440	70
## 839	0.75	White	0	1	0	1	2	10000	10.875440	71
## 840	1.00	White	0	0	0	1	4	10000	10.463132	23
## 841	1.00	White	0	1	0	1	3	10000	10.463132	22
## 842	1.00	White	0	1	0	1	2	10000	11.925995	80
## 843	1.00	White	0	0	0	1	2	10000	11.925995	78
## 844	0.25	White	0	1	0	1	2	10000	11.123063	35
## 845	0.50	White	0	0	0	1	3	10000	11.123063	32
## 846	0.25	White	0	1	1	1	2	10000	11.123063	63
## 847	0.25	White	0	1	1	1	2	10000	10.094975	69
## 848	0.50	Black	0	0	0	1	6	10000	12.078813	80
## 849	0.50	Black	0	1	0	1	6	10000	12.078813	80
## 850	0.50	White	0	0	0	1	2	10000	11.091895	74
## 851	0.50	White	0	1	0	1	2	10000	11.091895	73
## 852	0.75	Black	0	0	1	1	2	10000	11.452400	85
## 853	0.75	White	0	0	1	1	2	10000	11.452400	48
## 854	0.75	White	0	1	1	1	2	10000	10.867806	80
## 855	0.50	White	0	1	1	1	3	10000	10.867806	42
## 856	0.75	White	0	1	0	1	3	10000	12.198051	67
## 857	1.00	White	0	0	0	1	5	10000	12.198051	72
## 858	1.00	White	0	0	0	1	5	10000	12.198051	72
## 859	1.00	White	0	1	0	1	5	10000	11.340986	51
## 860	0.50	White	0	0	0	1	6	10000	11.340986	54
## 861	0.50	White	0	0	0	1	1	10000	10.779394	80
## 862	0.50	White	0	1	0	1	2	10000	10.779394	80
## 863	0.50	Black	0	1	1	1	2	10000	10.829748	48

## 864	0.50	White	0	0	1	1	2	10000	11.050906	32
## 865	0.50	White	0	0	1	1	2	10000	12.007835	49
## 866	0.50	Black	0	1	0	1	2	10000	10.807402	69
## 867	0.50	Black	0	0	0	1	2	10000	10.807402	74
## 868	0.25	Black	0	0	0	1	2	10000	10.286093	52
## 869	0.50	Black	0	1	0	1	2	10000	10.286093	45
## 870	0.25	Black	0	1	1	1	5	10000	11.938990	38
## 871	0.50	Black	0	1	1	1	5	10000	11.938990	63
## 872	0.50	Black	0	0	1	1	3	10000	11.938990	38
## 873	1.00	White	1	0	1	1	1	10000	11.421479	38
## 874	0.50	White	1	0	0	1	1	10000	11.421479	39
## 875	0.50	White	1	1	1	1	4	10000	11.421479	26
## 876	0.50	White	1	0	1	1	2	10000	11.421479	22
## 877	0.50	White	0	0	1	1	4	10000	11.545857	37
## 878	0.50	White	0	1	1	1	2	10000	11.545857	39
## 879	0.75	White	0	0	1	1	2	10000	10.838816	37
## 880	0.25	Other	0	0	1	1	2	10000	10.838816	31
## 881	0.50	White	0	1	1	1	2	10000	11.353484	62
## 882	0.75	Black	0	0	1	1	2	10000	10.658130	35
## 883	0.50	Black	0	1	1	1	2	10000	10.658130	29
## 884	0.00	Black	0	1	0	1	2	10000	10.229440	50
## 885	0.00	Black	0	0	0	1	2	10000	10.229440	59
## 886	1.00	Black	0	0	1	1	1	10000	10.229440	19
## 887	0.75	White	0	0	1	1	2	10000	11.296609	39
## 888	0.50	White	0	1	1	1	1	10000	11.296609	47
## 889	0.00	Black	0	0	0	1	4	10000	11.470874	57
## 890	0.75	Black	0	1	0	1	4	10000	11.470874	53
## 891	1.00	Black	0	1	1	1	3	10000	11.470874	25
## 892	1.00	White	0	0	0	1	4	10000	12.117820	40
## 893	1.00	White	0	1	0	1	4	10000	12.117820	39
## 894	1.00	White	0	1	0	1	5	10000	11.857522	36
## 895	1.00	White	0	0	0	1	4	10000	11.857522	38
## 896	0.50	Black	0	1	0	1	6	10000	11.941716	57
## 897	1.00	White	0	1	0	1	3	10000	11.128086	35
## 898	1.00	White	0	0	0	1	3	10000	11.128086	38
## 899	0.00	White	0	0	0	1	6	10000	11.554279	68
## 900	0.25	White	0	1	0	1	5	10000	11.554279	56
## 901	0.50	White	0	1	1	1	6	10000	10.925938	67
## 902	1.00	White	0	1	0	1	5	10000	11.944195	68
## 903	1.00	White	0	0	0	1	5	10000	11.944195	69
## 904	1.00	White	0	1	0	1	4	10000	11.134604	45
## 905	1.00	White	0	0	0	1	5	10000	11.134604	50
## 906	1.00	White	0	1	1	1	3	10000	11.134604	23
## 907	0.75	White	0	0	0	1	6	10000	11.435256	65
## 908	1.00	White	0	1	0	1	3	10000	11.435256	74
## 909	0.50	White	0	1	0	1	5	10000	11.440559	74
## 910	0.50	White	0	0	0	1	4	10000	11.440559	51
## 911	0.75	White	0	0	0	1	5	10000	11.911037	29
## 912	0.75	White	0	1	0	1	6	10000	11.911037	34
## 913	1.00	White	0	1	0	1	3	10000	10.777309	76
## 914	0.50	White	0	0	0	1	3	10000	10.777309	78
## 915	0.50	White	0	0	0	1	5	10000	11.131079	80
## 916	0.50	White	0	1	0	1	3	10000	11.131079	74
## 917	1.00	White	0	1	0	1	6	10000	12.240981	45

## 918	1.00	White	0	0	1	1	1	10000	12.240981	18
## 919	0.25	White	0	0	0	1	2	10000	11.801962	37
## 920	0.25	White	0	1	0	1	2	10000	11.801962	40
## 921	0.50	White	0	0	1	1	2	10000	11.801962	20
## 922	0.50	White	0	1	0	1	3	10000	11.212779	66
## 923	0.75	White	0	0	0	1	5	10000	11.212779	66
## 924	0.75	White	0	1	1	1	2	10000	10.575871	85
## 925	0.50	Black	0	1	0	1	5	10000	11.922741	49
## 926	0.25	White	0	0	0	1	2	10000	11.922741	45
## 927	0.75	Black	0	1	1	1	5	10000	11.026028	50
## 928	0.75	White	0	0	1	1	2	10000	11.026028	53
## 929	0.75	Other	1	1	1	1	3	10000	11.015592	61
## 930	0.25	White	1	1	1	1	1	10000	10.044336	62
## 931	0.25	White	0	0	0	1	3	10000	10.989909	56
## 932	0.50	White	0	1	0	1	2	10000	10.989909	57
## 933	0.25	White	0	1	1	1	2	10000	11.520576	70
## 934	0.50	White	0	1	1	1	1	10000	11.520576	85
## 935	1.00	White	0	1	1	1	4	10000	11.690427	40
## 936	1.00	White	0	0	1	1	4	10000	11.690427	36
## 937	1.00	White	0	1	0	1	3	10000	11.925227	58
## 938	0.50	White	0	0	0	1	3	10000	11.925227	61
## 939	0.75	White	0	0	1	1	1	10000	11.925227	26
## 940	0.75	White	0	0	1	1	4	10000	10.878066	49
## 941	0.75	White	0	0	0	1	4	10000	9.602450	76
## 942	0.75	White	0	1	0	1	3	10000	9.602450	74
## 943	1.00	Black	0	1	1	1	2	10000	10.942014	19
## 944	1.00	Black	0	0	1	1	3	10000	10.942014	21
## 945	0.25	White	0	1	1	1	6	10000	10.269553	68
## 946	0.75	White	0	1	1	1	4	10000	10.817476	35
## 947	1.00	White	0	0	0	1	6	10000	12.070230	36
## 948	1.00	White	0	1	0	1	2	10000	12.070230	35
## 949	0.75	White	0	1	0	1	3	10000	11.703554	36
## 950	0.75	White	0	0	0	1	2	10000	11.703554	37
## 951	0.50	Black	0	0	0	1	2	10000	10.464702	51
## 952	0.50	Black	0	1	0	1	2	10000	10.464702	49
## 953	0.50	White	1	0	1	1	1	10000	10.985310	38
## 954	0.50	White	1	1	1	1	1	10000	10.985310	42
## 955	0.50	White	0	0	1	1	1	10000	10.916560	74
## 956	0.50	White	0	1	1	1	2	10000	10.916560	74
## 957	0.50	Black	0	0	1	1	1	10000	10.721173	71
## 958	0.25	White	0	0	1	1	1	10000	10.235665	85
## 959	0.50	White	0	1	1	1	5	10000	10.692127	40
## 960	0.75	Black	0	1	0	1	3	10000	11.306713	71
## 961	0.75	Black	0	0	0	1	5	10000	11.306713	72
## 962	0.00	White	0	1	0	1	1	10000	10.443105	30
## 963	0.75	White	0	1	0	1	1	10000	10.443105	41
## 964	0.75	White	0	1	0	1	2	10000	11.795839	72
## 965	0.75	White	0	0	0	1	3	10000	11.795839	72
## 966	0.50	White	0	0	0	1	2	10000	11.981309	38
## 967	0.50	White	0	1	0	1	5	10000	11.981309	39
## 968	0.50	Black	0	1	1	1	2	10000	10.619203	67
## 969	0.25	White	0	0	1	1	2	10000	10.051563	62
## 970	1.00	White	0	1	0	1	5	10000	11.750658	37
## 971	1.00	White	0	0	0	1	2	10000	11.750658	35

## 972	0.75	Other	0	1	0	1	3	10000	12.038228	47
## 973	0.75	Black	0	0	0	1	3	10000	12.038228	45
## 974	0.75	Other	0	1	1	1	3	10000	12.038228	21
## 975	1.00	Other	0	0	1	1	3	10000	12.038228	20
## 976	1.00	Other	0	0	1	1	3	10000	12.038228	20
## 977	0.75	White	0	0	1	1	5	10000	13.477275	50
## 978	0.50	White	0	1	1	1	3	10000	13.477275	54
## 979	0.75	White	0	0	1	1	4	10000	11.082219	43
## 980	0.75	White	0	0	0	1	2	10000	11.902342	37
## 981	0.75	White	0	0	0	1	2	10000	11.902342	37
## 982	0.75	White	0	0	0	1	2	10000	11.902342	37
## 983	0.75	White	0	1	0	1	2	10000	11.902342	26
## 984	0.50	White	0	0	1	1	2	10000	11.542543	33
## 985	0.50	White	0	1	1	1	3	10000	11.542543	30
## 986	0.75	White	0	1	0	1	5	10000	12.074283	85
## 987	0.50	White	0	0	0	1	5	10000	12.074283	35
## 988	0.50	White	0	1	0	1	5	10000	12.696847	51
## 989	0.75	Other	0	0	0	1	4	10000	12.696847	51
## 990	0.75	Black	0	1	1	1	2	10000	10.545368	70
## 991	1.00	Black	0	1	1	1	2	10000	11.440366	41
## 992	0.75	White	1	1	0	1	1	10000	10.341775	31
## 993	0.75	White	1	0	0	1	1	10000	10.341775	32
## 994	0.75	White	0	1	0	1	2	10000	11.899249	51
## 995	0.75	White	0	0	0	1	1	10000	11.899249	56
## 996	0.50	White	0	1	1	1	3	10000	11.899249	28
## 997	1.00	White	0	1	1	1	3	10000	11.899249	24
## 998	0.50	White	1	1	1	1	4	10000	11.426169	53
## 999	1.00	White	1	1	1	1	3	10000	11.426169	20
## 1000	0.50	White	1	1	1	1	2	10000	11.426169	80
## 1001	1.00	White	1	1	1	1	1	10000	11.426169	25
## 1002	0.75	White	1	1	0	1	2	10000	10.373522	41
## 1003	0.25	White	1	0	0	1	2	10000	10.373522	52
## 1004	0.00	White	1	0	1	1	1	10000	10.373522	71
## 1005	1.00	White	1	0	1	1	2	10000	11.109488	30
## 1006	0.50	White	1	1	1	1	3	10000	11.109488	27
## 1007	1.00	White	1	0	0	1	5	10000	12.145330	48
## 1008	1.00	White	0	1	0	1	6	10000	12.145330	46
## 1009	0.75	White	0	1	1	1	3	10000	11.579265	20
## 1010	1.00	White	0	0	1	1	2	10000	11.579265	24
## 1011	0.50	White	1	1	1	1	3	10000	11.579265	21
## 1012	0.25	White	0	1	1	1	4	10000	10.505095	36
## 1013	0.50	White	0	1	0	1	6	10000	11.012001	35
## 1014	0.50	White	1	0	0	1	4	10000	11.012001	45
## 1015	1.00	Asian	0	0	0	1	5	10000	11.051699	50
## 1016	1.00	Asian	0	1	0	1	5	10000	11.051699	51
## 1017	1.00	Asian	0	1	1	1	4	10000	11.051699	23
## 1018	0.75	Black	0	1	0	1	4	10000	11.303451	56
## 1019	0.75	Black	0	0	0	1	5	10000	11.303451	55
## 1020	0.50	Black	0	1	1	1	2	10000	11.231676	33
## 1021	0.50	Black	0	0	1	1	2	10000	11.231676	26
## 1022	0.75	White	0	1	0	1	5	10000	12.101301	34
## 1023	0.75	White	0	0	0	1	2	10000	12.101301	36
## 1024	1.00	Black	0	1	1	1	3	10000	10.957817	38
## 1025	0.25	White	0	1	0	1	3	10000	11.017005	42

## 1026	0.00	White	0	0	0	1	2	10000	11.017005	42
## 1027	0.50	White	0	0	1	1	1	10000	11.017005	20
## 1028	0.75	White	0	0	1	1	1	10000	11.017005	18
## 1029	0.75	White	0	0	1	1	1	10000	11.017005	18
## 1030	0.25	Black	0	0	1	1	3	10000	10.766230	42
## 1031	0.25	White	0	1	1	1	1	10000	10.357902	44
## 1032	0.50	Black	0	0	1	1	1	10000	10.357902	56
## 1033	0.75	Black	0	1	1	1	2	10000	10.341775	67
## 1034	0.75	White	0	0	0	1	6	10000	12.138933	41
## 1035	0.75	White	0	1	0	1	5	10000	12.138933	35
## 1036	0.50	Black	0	1	1	1	2	10000	11.545596	58
## 1037	0.50	Black	0	0	1	1	2	10000	11.545596	33
## 1038	0.25	Black	0	1	0	1	2	10000	10.428482	47
## 1039	0.25	Black	0	0	0	1	2	10000	10.428482	63
## 1040	0.50	Black	0	1	1	1	2	10000	10.138639	85
## 1041	1.00	Black	0	0	1	1	2	10000	10.782097	49
## 1042	1.00	White	0	0	0	1	5	10000	11.953623	44
## 1043	1.00	White	0	1	0	1	5	10000	11.953623	41
## 1044	0.50	White	0	1	1	1	2	10000	11.953623	65
## 1045	0.50	Black	0	1	0	1	5	10000	11.223442	65
## 1046	0.50	Black	0	0	0	1	2	10000	11.223442	78
## 1047	0.50	White	0	0	0	1	3	10000	11.805617	49
## 1048	1.00	White	0	1	0	1	6	10000	11.805617	44
## 1049	0.25	White	0	1	1	1	2	10000	11.264195	52
## 1050	0.50	Black	0	1	1	1	3	10000	10.434145	56
## 1051	0.75	Black	0	0	1	1	3	10000	10.434145	21
## 1052	0.75	Black	0	0	1	1	5	10000	11.296050	35
## 1053	0.50	Asian	0	1	0	1	6	10000	12.202998	44
## 1054	0.75	Black	0	0	0	1	5	10000	12.202998	45
## 1055	0.75	Other	0	1	1	1	3	10000	12.202998	20
## 1056	0.50	White	0	0	0	1	2	10000	11.472166	34
## 1057	0.75	White	0	1	0	1	5	10000	11.472166	30
## 1058	0.50	White	0	0	0	1	4	10000	11.039010	45
## 1059	0.50	White	0	1	0	1	3	10000	11.039010	37
## 1060	0.25	Black	0	0	1	1	2	10000	10.640676	80
## 1061	1.00	White	0	1	0	1	3	10000	11.122250	25
## 1062	1.00	White	0	0	0	1	3	10000	11.122250	26
## 1063	0.50	White	0	0	1	1	2	10000	11.122250	71
## 1064	0.50	Black	0	0	1	1	3	10000	11.069385	45
## 1065	0.25	White	0	0	0	1	1	10000	10.731362	51
## 1066	0.75	White	0	1	0	1	2	10000	10.731362	48
## 1067	1.00	Other	0	0	1	1	1	10000	10.731362	23
## 1068	0.75	White	0	0	0	1	3	10000	11.565537	39
## 1069	0.75	White	0	1	0	1	3	10000	11.565537	40
## 1070	0.75	Black	0	1	0	1	2	10000	11.576867	57
## 1071	0.75	Black	0	0	0	1	1	10000	11.576867	50
## 1072	1.00	Black	0	1	1	1	2	10000	11.576867	23
## 1073	0.50	Black	0	0	1	1	2	10000	11.280716	80
## 1074	0.50	Black	0	0	1	1	2	10000	11.280716	58
## 1075	0.75	Black	0	0	1	1	1	10000	10.079959	73
## 1076	0.50	Black	0	1	0	1	4	10000	10.987274	72
## 1077	1.00	Black	0	0	0	1	1	10000	10.987274	75
## 1078	0.50	White	0	1	1	1	2	10000	10.773776	57
## 1079	0.50	White	1	0	1	1	2	10000	10.773776	61

## 1080	0.50	White	1	0	0	1	3	10000	11.397414	61
## 1081	0.25	White	1	1	0	1	3	10000	11.397414	62
## 1082	1.00	White	0	1	0	1	5	10000	13.061128	67
## 1083	1.00	White	0	0	0	1	6	10000	13.061128	60
## 1084	1.00	White	0	0	0	1	5	10000	11.869816	46
## 1085	1.00	White	0	1	0	1	5	10000	11.869816	44
## 1086	0.75	White	0	0	0	1	5	10000	12.368634	57
## 1087	0.75	White	0	1	0	1	5	10000	12.368634	57
## 1088	1.00	White	0	0	1	1	6	10000	11.727795	74
## 1089	0.50	White	0	0	0	1	2	10000	10.435556	73
## 1090	1.00	White	0	1	0	1	2	10000	10.435556	77
## 1091	0.75	White	0	0	1	1	2	10000	11.418911	53
## 1092	1.00	Black	0	1	0	1	6	10000	11.608245	48
## 1093	0.50	Black	0	0	0	1	6	10000	11.608245	52
## 1094	0.50	Black	0	0	0	1	1	10000	11.608245	73
## 1095	1.00	Black	0	1	0	1	1	10000	11.608245	67
## 1096	0.50	Black	0	1	1	1	4	10000	10.214312	60
## 1097	0.75	White	0	1	1	1	2	10000	11.403847	71
## 1098	0.50	White	0	0	1	1	2	10000	11.403847	40
## 1099	1.00	White	0	0	1	1	1	10000	11.403847	22
## 1100	0.50	White	0	1	1	1	2	10000	11.403847	37
## 1101	1.00	White	0	1	1	1	2	10000	11.131387	72
## 1102	0.00	White	0	1	1	1	6	10000	9.791774	71
## 1103	0.50	White	0	1	0	1	4	10000	11.805528	60
## 1104	0.75	White	0	0	0	1	6	10000	11.805528	63
## 1105	1.00	White	0	1	0	1	6	10000	11.864540	29
## 1106	1.00	White	0	0	0	1	5	10000	11.864540	30
## 1107	0.25	Asian	0	1	0	1	6	10000	9.913487	64
## 1108	0.75	White	0	0	1	1	3	10000	11.270981	48
## 1109	0.75	Black	0	1	1	1	2	10000	10.510559	36
## 1110	0.50	Black	0	0	1	1	2	10000	11.267038	66
## 1111	1.00	White	0	0	0	1	5	10000	11.973169	51
## 1112	1.00	White	0	1	0	1	5	10000	11.973169	50
## 1113	1.00	White	0	1	1	1	3	10000	11.973169	21
## 1114	0.25	White	0	1	0	1	2	10000	11.276760	62
## 1115	0.00	White	0	0	0	1	2	10000	11.276760	64
## 1116	0.00	White	0	0	1	1	1	10000	11.276760	42
## 1117	0.75	White	0	0	0	1	2	10000	11.461643	57
## 1118	0.75	White	0	1	0	1	2	10000	11.461643	56
## 1119	0.75	White	0	0	1	1	2	10000	11.461643	30
## 1120	0.50	White	0	0	1	1	4	10000	10.132534	67
## 1121	0.50	White	0	1	1	1	1	10000	10.541281	68
## 1122	1.00	Black	0	1	1	1	2	10000	11.265720	55
## 1123	0.50	White	0	1	1	1	5	10000	11.978507	85
## 1124	0.50	White	0	1	1	1	4	10000	11.978507	66
## 1125	0.50	White	0	0	1	1	5	10000	11.978507	60
## 1126	0.50	White	0	0	1	1	5	10000	11.978507	60
## 1127	0.50	Black	1	1	1	1	1	10000	11.431195	42
## 1128	0.50	Black	1	0	1	1	1	10000	11.431195	23
## 1129	0.25	White	0	1	1	1	3	10000	10.188102	78
## 1130	0.50	White	1	1	0	1	3	10000	10.736440	53
## 1131	0.50	White	1	0	0	1	1	10000	10.736440	52
## 1132	0.75	White	0	1	0	1	2	10000	11.840847	56
## 1133	0.25	White	0	0	0	1	1	10000	11.840847	61

## 1134	0.75	White	0	0	1	1	2	10000	11.840847	29
## 1135	0.75	White	0	1	1	1	5	10000	10.887568	60
## 1136	0.50	Black	0	1	1	1	1	10000	10.205110	68
## 1137	0.75	White	0	1	0	1	5	10000	11.837050	69
## 1138	0.75	White	0	0	0	1	6	10000	11.837050	60
## 1139	0.50	White	0	0	0	1	6	10000	12.288744	71
## 1140	0.50	White	0	1	0	1	6	10000	12.288744	71
## 1141	0.50	White	0	1	1	1	1	10000	10.140534	85
## 1142	0.50	White	0	1	1	1	4	10000	10.140534	63
## 1143	0.75	White	0	1	1	1	2	10000	10.665484	75
## 1144	0.50	White	0	0	1	1	2	10000	10.665484	49
## 1145	0.50	White	0	1	1	1	1	10000	11.053205	79
## 1146	0.50	White	0	0	0	1	5	10000	11.117703	74
## 1147	0.50	White	0	1	0	1	6	10000	11.117703	72
## 1148	1.00	White	0	1	1	1	6	10000	11.117703	46
## 1149	0.75	Black	0	1	1	1	2	10000	11.767637	24
## 1150	0.75	Black	0	1	1	1	2	10000	11.767637	23
## 1151	1.00	White	0	1	0	1	5	10000	12.196184	41
## 1152	0.50	White	0	0	0	1	5	10000	12.196184	42
## 1153	0.50	White	1	0	0	1	1	10000	10.839777	45
## 1154	0.75	White	1	1	0	1	1	10000	10.839777	41
## 1155	0.75	White	1	0	1	1	1	10000	10.839777	18
## 1156	0.75	White	0	1	1	1	3	10000	11.324473	80
## 1157	1.00	White	0	1	1	1	5	10000	11.324473	28
## 1158	0.50	White	0	1	1	1	2	10000	11.337762	85
## 1159	1.00	White	0	0	0	1	5	10000	12.798687	58
## 1160	1.00	White	0	1	0	1	6	10000	12.798687	57
## 1161	1.00	White	0	0	1	1	5	10000	12.798687	26
## 1162	0.50	Black	0	0	0	1	2	10000	11.033308	32
## 1163	0.00	Black	0	1	0	1	2	10000	11.033308	35
## 1164	0.75	White	0	0	1	1	5	10000	11.421742	65
## 1165	0.50	White	0	0	1	1	2	10000	11.421742	49
## 1166	0.75	Black	0	0	0	1	5	10000	10.637513	54
## 1167	0.75	White	0	1	0	1	3	10000	10.637513	55
## 1168	0.75	Other	0	1	1	1	2	10000	10.637513	19
## 1169	0.75	White	0	0	1	1	5	10000	10.742919	32
## 1170	0.50	White	0	0	1	1	5	10000	11.896452	85
## 1171	0.75	White	0	1	0	1	2	10000	11.556655	64
## 1172	0.75	White	0	0	0	1	2	10000	11.556655	66
## 1173	1.00	White	1	0	0	1	2	10000	11.669108	48
## 1174	1.00	White	1	1	0	1	2	10000	11.669108	47
## 1175	1.00	White	1	0	1	1	3	10000	11.669108	25
## 1176	0.25	White	0	0	1	1	4	10000	10.824965	76
## 1177	0.00	White	0	0	1	1	2	10000	10.545499	80
## 1178	0.75	White	0	1	1	1	2	10000	10.545499	56
## 1179	0.50	White	0	1	1	1	3	10000	9.994972	80
## 1180	0.25	White	0	0	0	1	6	10000	12.396123	65
## 1181	0.75	Other	0	1	0	1	2	10000	12.396123	56
## 1182	0.50	Black	0	1	1	1	1	10000	9.909271	64
## 1183	0.25	Black	0	0	1	1	1	10000	10.028401	85
## 1184	0.50	White	0	0	0	1	2	10000	11.989942	57
## 1185	0.50	White	0	1	0	1	2	10000	11.989942	67
## 1186	0.50	White	0	1	0	1	2	10000	11.989942	34
## 1187	0.50	White	0	0	0	1	2	10000	11.989942	34

## 1188	1.00	White	0	0	0	1	6	10000	12.193874	70
## 1189	1.00	White	0	1	0	1	5	10000	12.193874	69
## 1190	0.75	White	0	1	0	1	6	10000	12.203379	59
## 1191	0.50	White	0	0	0	1	6	10000	12.203379	57
## 1192	0.25	White	0	0	1	1	2	10000	10.621839	73
## 1193	0.75	White	0	1	1	1	5	10000	12.078978	68
## 1194	0.50	White	0	1	0	1	5	10000	12.395581	60
## 1195	0.50	White	0	0	0	1	5	10000	12.395581	60
## 1196	0.75	White	0	1	1	1	6	10000	12.395581	26
## 1197	0.50	White	0	0	1	1	6	10000	12.395581	25
## 1198	0.50	White	0	0	1	1	6	10000	12.395581	22
## 1199	0.75	White	0	1	1	1	5	10000	10.637897	70
## 1200	0.75	White	0	0	0	1	6	10000	12.044324	39
## 1201	0.75	White	0	1	0	1	6	10000	12.044324	38
## 1202	0.25	White	0	0	1	1	2	10000	11.989166	58
## 1203	0.50	White	0	0	1	1	1	10000	11.989166	33
## 1204	1.00	White	0	0	1	1	3	10000	11.989166	21
## 1205	0.50	White	0	1	1	1	2	10000	11.989166	50
## 1206	0.75	Black	0	0	0	1	5	10000	11.850183	37
## 1207	0.75	Black	0	1	0	1	5	10000	11.850183	34
## 1208	0.50	White	0	0	1	1	2	10000	10.079581	39
## 1209	0.75	Black	0	1	0	1	4	10000	11.157692	44
## 1210	0.75	Black	0	0	0	1	2	10000	11.157692	45
## 1211	0.75	White	0	0	0	1	5	10000	11.701933	64
## 1212	0.75	White	0	1	0	1	3	10000	11.701933	64
## 1213	0.75	Black	0	0	1	1	2	10000	10.842342	54
## 1214	0.75	Black	0	1	1	1	2	10000	10.842342	51
## 1215	0.25	Black	0	0	1	1	2	10000	11.361207	85
## 1216	0.50	Black	0	0	1	1	4	10000	11.361207	63
## 1217	0.25	Black	0	0	1	1	2	10000	11.361207	60
## 1218	1.00	White	0	0	1	1	4	10000	10.687663	52
## 1219	0.50	Black	0	0	0	1	2	10000	11.755879	62
## 1220	0.50	Black	0	1	0	1	2	10000	11.755879	69
## 1221	0.50	White	0	0	0	1	5	10000	11.636090	80
## 1222	0.50	White	0	1	0	1	3	10000	11.636090	76
## 1223	0.75	White	0	0	0	1	2	10000	11.111418	53
## 1224	0.75	White	0	1	0	1	4	10000	11.111418	47
## 1225	1.00	White	0	0	0	1	2	10000	11.434531	67
## 1226	0.50	White	0	1	0	1	2	10000	11.434531	68
## 1227	0.00	White	0	0	1	1	2	10000	11.586278	66
## 1228	0.75	White	0	0	1	1	2	10000	11.586278	28
## 1229	1.00	White	0	1	1	1	3	10000	11.586278	19
## 1230	0.75	White	0	0	0	1	3	10000	12.103575	46
## 1231	0.75	White	0	1	0	1	6	10000	12.103575	43
## 1232	1.00	White	0	0	0	1	2	10000	11.279037	75
## 1233	0.75	White	0	1	0	1	2	10000	11.279037	67
## 1234	0.50	White	0	0	0	1	4	10000	11.630753	72
## 1235	0.50	White	0	1	0	1	3	10000	11.630753	64
## 1236	0.75	White	0	0	0	1	5	10000	11.929509	67
## 1237	0.50	White	0	1	0	1	5	10000	11.929509	59
## 1238	0.75	White	0	0	1	1	1	10000	10.806186	80
## 1239	0.25	White	0	1	1	1	2	10000	10.806186	37
## 1240	1.00	Black	0	1	0	1	6	10000	11.030072	37
## 1241	1.00	Black	0	0	0	1	5	10000	11.030072	43

## 1242	1.00	White	0	1	0	1	5	10000	11.132660	68
## 1243	0.00	White	0	0	0	1	6	10000	11.132660	71
## 1244	0.25	White	0	1	1	1	1	10000	10.485787	85
## 1245	0.75	White	0	0	0	1	6	10000	11.422530	74
## 1246	0.75	Black	0	0	0	1	2	10000	11.422530	54
## 1247	0.75	White	0	1	1	1	6	10000	10.654337	73
## 1248	0.50	White	0	1	1	1	2	10000	10.274948	77
## 1249	0.75	White	0	0	0	1	5	10000	11.971761	41
## 1250	0.75	White	0	1	0	1	5	10000	11.971761	38
## 1251	0.75	Asian	0	0	0	1	6	10000	12.024617	51
## 1252	0.75	Asian	0	1	0	1	6	10000	12.024617	41
## 1253	0.75	White	0	1	0	1	6	10000	12.388927	43
## 1254	0.75	Black	0	0	0	1	5	10000	12.388927	42
## 1255	0.75	White	0	0	0	1	2	10000	12.024659	60
## 1256	0.75	White	0	0	0	1	2	10000	12.024659	60
## 1257	0.75	White	0	1	0	1	5	10000	12.024659	58
## 1258	0.75	White	0	0	1	1	3	10000	12.024659	29
## 1259	0.50	White	0	1	1	1	5	10000	12.024659	26
## 1260	0.75	Black	0	0	1	1	2	10000	11.695330	37
## 1261	0.75	White	0	1	1	1	2	10000	11.695330	37
## 1262	0.00	Black	0	1	1	1	2	10000	10.459898	62
## 1263	0.75	White	0	1	0	1	6	10000	11.989880	62
## 1264	0.75	White	0	0	0	1	5	10000	11.989880	59
## 1265	0.75	Black	0	1	1	1	2	10000	11.002117	69
## 1266	0.75	White	0	1	1	1	3	10000	11.332662	62
## 1267	0.50	White	0	0	1	1	3	10000	11.332662	59
## 1268	1.00	White	0	0	0	1	5	10000	12.009857	68
## 1269	1.00	White	0	1	0	1	5	10000	12.009857	68
## 1270	0.75	Other	0	0	0	1	3	10000	11.561725	27
## 1271	0.75	Black	0	1	0	1	5	10000	11.561725	27
## 1272	1.00	White	0	1	1	1	3	10000	11.191356	26
## 1273	1.00	White	0	0	1	1	2	10000	11.191356	26
## 1274	0.75	Black	0	0	0	1	2	10000	11.805617	39
## 1275	0.75	Black	0	1	0	1	2	10000	11.805617	41
## 1276	0.50	Black	0	0	1	1	2	10000	11.805617	60
## 1277	0.75	Black	0	0	1	1	2	10000	11.805617	26
## 1278	0.75	Black	0	1	1	1	2	10000	11.805617	18
## 1279	0.75	White	1	1	1	1	1	10000	9.526683	74
## 1280	0.00	Black	0	0	1	1	3	10000	10.246403	77
## 1281	0.25	Black	0	1	1	1	1	10000	10.246403	22
## 1282	0.50	Black	0	1	1	1	3	10000	10.905974	51
## 1283	0.75	Black	0	1	1	1	5	10000	10.905974	30
## 1284	0.50	Black	0	1	1	1	2	10000	10.938059	31
## 1285	0.50	Black	0	0	1	1	2	10000	10.938059	30
## 1286	0.75	White	0	1	0	1	5	10000	11.295515	69
## 1287	0.50	Black	0	1	1	1	6	10000	11.273055	60
## 1288	0.50	Black	0	1	1	1	2	10000	10.788494	85
## 1289	0.50	Black	0	0	1	1	1	10000	10.489717	85
## 1290	1.00	White	0	1	0	1	5	10000	11.775297	28
## 1291	1.00	White	0	0	0	1	6	10000	11.775297	29
## 1292	0.75	White	0	1	0	1	6	10000	12.401109	42
## 1293	0.75	White	0	0	0	1	5	10000	12.401109	36
## 1294	0.50	Black	0	1	1	1	3	10000	9.472782	60
## 1295	1.00	Black	0	1	1	1	6	10000	10.668979	29

## 1296	1.00	Black	0	1	1	1	5	10000	9.472782	71
## 1297	1.00	Black	0	0	0	1	2	10000	11.703554	62
## 1298	1.00	Black	0	1	0	1	3	10000	11.703554	59
## 1299	0.50	Black	0	1	1	1	3	10000	10.736418	60
## 1300	1.00	Black	0	0	1	1	2	10000	10.736418	21
## 1301	1.00	Black	0	1	1	1	1	10000	10.736418	19
## 1302	1.00	Black	0	1	1	1	2	10000	10.736418	36
## 1303	1.00	Black	0	1	0	1	4	10000	9.472782	63
## 1304	1.00	Black	0	0	0	1	3	10000	9.472782	67
## 1305	1.00	Black	0	0	1	1	2	10000	9.472782	36
## 1306	0.25	Black	0	0	0	1	6	10000	11.194935	66
## 1307	0.00	Black	0	1	0	1	4	10000	11.194935	69
## 1308	0.50	Black	0	1	0	1	2	10000	10.418106	67
## 1309	0.00	Black	0	0	0	1	2	10000	10.418106	37
## 1310	1.00	Black	0	1	1	1	3	10000	10.518700	38
## 1311	0.25	White	0	1	0	1	2	10000	10.789381	57
## 1312	0.25	White	0	0	0	1	2	10000	10.789381	55
## 1313	0.25	White	0	0	1	1	2	10000	10.789381	19
## 1314	0.25	White	0	1	0	1	5	10000	10.621352	48
## 1315	0.00	White	0	0	0	1	2	10000	10.621352	51
## 1316	1.00	White	0	0	1	1	5	10000	10.714440	38
## 1317	0.50	Black	0	0	0	1	2	10000	11.767653	69
## 1318	0.75	Black	0	1	0	1	5	10000	11.767653	67
## 1319	1.00	Black	0	0	0	1	2	10000	11.289794	58
## 1320	0.25	Black	0	1	0	1	5	10000	11.289794	70
## 1321	1.00	Black	0	0	1	1	1	10000	11.160299	58
## 1322	0.75	Black	0	1	1	1	1	10000	11.160299	66
## 1323	0.50	Black	0	0	1	1	3	10000	11.326909	64
## 1324	0.50	Black	0	1	1	1	2	10000	10.381583	85
## 1325	0.50	Black	0	1	0	1	6	10000	11.099529	60
## 1326	0.50	Black	0	0	0	1	6	10000	11.099529	59
## 1327	1.00	Black	0	0	1	1	3	10000	11.099529	29
## 1328	0.75	Black	0	1	1	1	2	10000	11.113015	73
## 1329	1.00	Black	0	1	1	1	5	10000	11.113015	49
## 1330	1.00	Asian	0	0	0	1	5	10000	11.506938	51
## 1331	1.00	Asian	0	0	0	1	5	10000	11.506938	51
## 1332	1.00	Asian	0	1	0	1	6	10000	11.506938	47
## 1333	0.50	Black	0	1	0	1	4	10000	11.618906	53
## 1334	0.50	Black	0	1	0	1	3	10000	11.618906	48
## 1335	0.50	Black	0	1	1	1	2	10000	10.545368	50
## 1336	0.50	Black	0	1	1	1	3	10000	10.545368	25
## 1337	0.25	Black	0	1	1	1	3	10000	10.015074	58
## 1338	0.50	Black	0	0	0	1	1	10000	9.576510	67
## 1339	0.50	Black	0	1	0	1	1	10000	9.576510	64
## 1340	1.00	Black	0	1	0	1	3	10000	11.401446	36
## 1341	1.00	Black	0	0	0	1	2	10000	11.401446	50
## 1342	0.25	Other	0	1	1	1	1	10000	10.231387	72
## 1343	0.50	Black	0	1	1	1	1	10000	10.292179	78
## 1344	0.75	White	0	0	0	1	2	10000	11.156265	31
## 1345	0.75	White	0	0	0	1	2	10000	11.156265	31
## 1346	1.00	White	0	1	0	1	2	10000	11.156265	30
## 1347	0.75	White	0	1	0	1	4	10000	11.232537	46
## 1348	0.50	White	0	0	0	1	3	10000	11.232537	45
## 1349	0.50	Black	0	0	0	1	3	10000	10.783135	58

## 1350	0.50	Black	0	1	0	1	4	10000	10.783135	57
## 1351	0.75	White	1	0	0	1	1	10000	10.668979	42
## 1352	0.75	White	1	1	0	1	2	10000	10.668979	42
## 1353	1.00	White	1	0	1	1	1	10000	10.668979	40
## 1354	1.00	Black	0	0	0	1	5	10000	11.828801	46
## 1355	1.00	Black	0	1	0	1	5	10000	11.828801	44
## 1356	0.75	Black	0	1	1	1	5	10000	11.232696	38
## 1357	1.00	Black	0	0	1	1	1	10000	11.232696	18
## 1358	0.75	White	1	0	0	1	1	10000	9.472782	37
## 1359	0.75	White	1	1	0	1	2	10000	9.472782	36
## 1360	0.50	Black	0	1	1	1	3	10000	10.081968	59
## 1361	0.00	Black	0	0	1	1	2	10000	10.774802	72
## 1362	1.00	Black	0	1	1	1	2	10000	10.968216	52
## 1363	1.00	Black	0	1	1	1	2	10000	10.968216	34
## 1364	0.50	White	0	0	0	1	2	10000	11.225270	43
## 1365	0.75	White	0	1	0	1	5	10000	11.225270	41
## 1366	1.00	Black	0	0	1	1	2	10000	10.239996	54
## 1367	0.25	White	1	0	0	1	3	10000	10.781141	39
## 1368	1.00	White	1	1	0	1	3	10000	10.781141	36
## 1369	1.00	White	1	1	1	1	1	10000	10.781141	63
## 1370	1.00	Black	0	1	1	1	3	10000	10.942191	21
## 1371	0.75	Black	0	0	1	1	2	10000	10.942191	23
## 1372	0.50	Black	0	1	0	1	2	10000	10.736418	66
## 1373	0.50	Black	0	1	0	1	2	10000	10.736418	66
## 1374	0.00	Black	0	0	0	1	2	10000	10.736418	69
## 1375	1.00	Black	0	1	1	1	2	10000	10.668979	64
## 1376	0.25	Black	0	1	1	1	1	10000	9.529158	85
## 1377	0.25	Black	0	0	1	1	1	10000	9.529158	63
## 1378	0.50	White	0	0	0	1	3	10000	11.908684	36
## 1379	0.50	White	0	1	0	1	5	10000	11.908684	34
## 1380	0.25	Black	0	1	1	1	2	10000	10.778977	85
## 1381	1.00	Black	0	0	0	1	2	10000	11.911708	42
## 1382	1.00	Black	0	1	0	1	6	10000	11.911708	41
## 1383	0.50	Black	0	0	0	1	2	10000	11.720769	39
## 1384	0.50	Black	0	1	0	1	6	10000	11.720769	45
## 1385	1.00	White	0	0	0	1	5	10000	10.404293	34
## 1386	1.00	White	0	1	0	1	2	10000	10.404293	36
## 1387	1.00	White	0	0	0	1	6	10000	10.668979	45
## 1388	1.00	Black	0	0	1	1	2	10000	11.264477	27
## 1389	1.00	Black	0	1	1	1	2	10000	11.264477	22
## 1390	1.00	Black	0	1	1	1	2	10000	10.668979	45
## 1391	0.25	White	0	1	0	1	3	10000	10.296239	60
## 1392	0.25	White	0	0	0	1	1	10000	10.296239	54
## 1393	1.00	White	0	0	0	1	2	10000	11.626522	59
## 1394	1.00	White	0	1	0	1	3	10000	11.626522	57
## 1395	0.50	White	0	1	0	1	3	10000	11.329591	34
## 1396	0.75	White	0	0	0	1	3	10000	11.329591	37
## 1397	0.75	White	0	0	0	1	4	10000	11.281611	66
## 1398	0.50	White	0	1	0	1	1	10000	11.281611	80
## 1399	1.00	White	0	1	1	1	2	10000	11.281611	61
## 1400	0.50	White	0	1	1	1	2	10000	10.566201	26
## 1401	0.50	White	0	0	1	1	2	10000	10.566201	28
## 1402	1.00	White	0	0	0	1	5	10000	11.927271	52
## 1403	1.00	White	0	1	0	1	6	10000	11.927271	48

## 1404	1.00	White	0	1	1	1	1	10000	11.927271	18
## 1405	0.75	White	0	0	0	1	4	10000	11.198256	30
## 1406	0.75	White	0	1	0	1	2	10000	11.198256	30
## 1407	0.50	White	0	1	1	1	5	10000	12.185344	34
## 1408	0.50	White	0	0	1	1	3	10000	12.185344	39
## 1409	1.00	White	0	1	0	1	5	10000	11.412177	27
## 1410	1.00	White	0	0	0	1	5	10000	11.412177	26
## 1411	1.00	White	0	1	1	1	3	10000	10.741838	50
## 1412	1.00	White	0	1	1	1	3	10000	10.741838	22
## 1413	1.00	White	0	1	1	1	1	10000	10.741838	18
## 1414	0.00	White	0	1	0	1	2	10000	10.738113	75
## 1415	0.25	White	0	0	0	1	2	10000	10.738113	78
## 1416	1.00	White	0	0	0	1	2	10000	11.675478	35
## 1417	1.00	White	0	1	0	1	5	10000	11.675478	26
## 1418	0.25	White	0	1	1	1	1	10000	10.669002	63
## 1419	1.00	White	0	0	0	1	2	10000	11.277241	39
## 1420	1.00	White	0	1	0	1	2	10000	11.277241	39
## 1421	0.25	White	0	1	0	1	2	10000	10.869387	70
## 1422	0.25	White	0	0	0	1	2	10000	10.869387	71
## 1423	0.50	White	1	1	0	1	5	10000	12.198282	69
## 1424	0.75	White	0	0	0	1	6	10000	12.198282	70
## 1425	0.25	White	1	1	1	1	2	10000	12.198282	85
## 1426	0.50	White	0	0	0	1	5	10000	11.833203	38
## 1427	0.50	White	0	1	0	1	5	10000	11.833203	42
## 1428	1.00	White	0	1	0	1	3	10000	11.148463	37
## 1429	1.00	White	0	0	0	1	3	10000	11.148463	38
## 1430	0.50	White	0	1	0	1	4	10000	11.923066	43
## 1431	0.50	White	0	0	0	1	4	10000	11.923066	68
## 1432	0.75	White	0	0	1	1	1	10000	11.923066	18
## 1433	0.25	White	0	1	1	1	3	10000	11.442245	31
## 1434	1.00	White	0	1	1	1	6	10000	11.542843	66
## 1435	0.00	White	0	1	0	1	3	10000	12.092450	64
## 1436	1.00	White	0	0	0	1	3	10000	12.092450	62
## 1437	0.75	White	0	0	1	1	6	10000	12.101634	32
## 1438	1.00	Asian	0	1	0	1	3	10000	11.440366	48
## 1439	1.00	Asian	0	0	0	1	2	10000	11.440366	46
## 1440	0.25	White	0	1	1	1	2	10000	10.621596	21
## 1441	1.00	White	0	1	0	1	6	10000	12.176443	44
## 1442	0.75	White	0	0	0	1	5	10000	12.176443	46
## 1443	0.75	White	0	1	1	1	3	10000	12.176443	21
## 1444	1.00	White	0	1	1	1	1	10000	12.176443	18
## 1445	0.50	White	0	0	0	1	5	10000	12.130282	42
## 1446	0.50	White	0	1	0	1	6	10000	12.130282	42
## 1447	0.25	White	0	1	0	1	2	10000	11.939506	61
## 1448	0.25	White	0	0	0	1	2	10000	11.939506	65
## 1449	1.00	White	0	0	1	1	3	10000	11.239935	26
## 1450	1.00	White	0	0	1	1	3	10000	11.239935	26
## 1451	1.00	White	0	0	1	1	5	10000	11.730469	22
## 1452	0.75	White	0	1	1	1	5	10000	11.883806	72
## 1453	0.75	White	0	0	0	1	3	10000	11.713193	44
## 1454	0.75	White	0	1	0	1	3	10000	11.713193	45
## 1455	1.00	White	0	1	1	1	3	10000	11.713193	22
## 1456	1.00	White	0	1	1	1	3	10000	11.713193	18
## 1457	0.50	White	0	1	1	1	2	10000	11.713193	66

## 1458	1.00	White	0	1	1	1	5	10000	11.633824	37
## 1459	0.50	White	0	1	1	1	5	10000	11.633824	32
## 1460	0.50	White	0	0	1	1	4	10000	10.598134	63
## 1461	1.00	White	0	0	1	1	3	10000	10.669002	44
## 1462	0.75	White	0	0	1	1	5	10000	11.303451	25
## 1463	1.00	White	0	1	0	1	5	10000	12.874297	44
## 1464	1.00	White	0	0	0	1	6	10000	12.874297	54
## 1465	0.75	White	0	0	0	1	4	10000	12.723741	59
## 1466	1.00	White	0	1	0	1	5	10000	12.723741	53
## 1467	1.00	White	0	0	1	1	3	10000	12.723741	21
## 1468	0.25	White	0	1	1	1	1	10000	10.391607	64
## 1469	0.75	White	0	1	1	1	2	10000	10.391607	34
## 1470	0.00	White	0	0	0	1	1	10000	9.608781	60
## 1471	0.50	White	0	1	0	1	4	10000	9.608781	61
## 1472	0.75	White	0	1	1	1	2	10000	10.956701	78
## 1473	0.50	White	0	0	1	1	3	10000	10.956701	80
## 1474	0.75	White	0	1	0	1	6	10000	11.228066	63
## 1475	0.25	White	0	0	0	1	2	10000	11.228066	71
## 1476	0.50	White	0	1	1	1	6	10000	11.358841	77
## 1477	0.50	White	0	0	0	1	6	10000	11.986765	56
## 1478	0.50	White	0	1	0	1	6	10000	11.986765	56
## 1479	1.00	White	0	1	0	1	6	10000	11.663085	62
## 1480	1.00	White	0	0	0	1	5	10000	11.663085	63
## 1481	1.00	White	0	0	1	1	2	10000	11.663085	28
## 1482	0.75	White	0	1	1	1	5	10000	11.512945	34
## 1483	0.75	White	0	0	0	1	4	10000	12.338867	49
## 1484	1.00	White	0	1	0	1	2	10000	12.338867	49
## 1485	1.00	White	0	1	1	1	3	10000	12.338867	22
## 1486	0.75	White	0	1	1	1	1	10000	10.304275	74
## 1487	1.00	Black	1	0	1	1	3	10000	10.363220	62
## 1488	1.00	Black	0	0	1	1	3	10000	10.985310	23
## 1489	1.00	Black	1	1	1	1	3	10000	10.985310	27
## 1490	0.50	White	0	0	0	1	2	10000	11.671219	48
## 1491	0.50	White	0	1	0	1	6	10000	11.671219	47
## 1492	0.50	White	0	0	1	1	5	10000	12.103381	25
## 1493	0.50	White	0	0	1	1	5	10000	12.103381	26
## 1494	0.75	White	0	1	1	1	6	10000	10.554953	69
## 1495	1.00	White	0	0	1	1	4	10000	10.554953	49
## 1496	0.50	White	0	0	0	1	4	10000	11.167727	69
## 1497	0.50	White	0	1	0	1	4	10000	11.167727	70
## 1498	0.75	White	1	0	0	1	1	10000	11.687206	40
## 1499	0.75	White	1	1	0	1	1	10000	11.687206	41
## 1500	0.75	White	1	0	1	1	1	10000	11.687206	18
## 1501	0.75	White	0	1	0	1	3	10000	11.983566	34
## 1502	0.25	White	0	0	0	1	2	10000	11.983566	65
## 1503	0.50	White	0	0	1	1	5	10000	10.463418	52
## 1504	0.75	White	0	0	1	1	5	10000	10.043293	23
## 1505	0.75	White	0	0	1	1	5	10000	10.043293	23
## 1506	0.75	White	0	0	0	1	2	10000	11.224590	50
## 1507	0.75	White	0	1	0	1	2	10000	11.224590	49
## 1508	1.00	White	0	1	1	1	3	10000	11.224590	20
## 1509	1.00	White	0	0	1	1	1	10000	11.224590	18
## 1510	0.50	Black	0	1	1	1	6	10000	12.248140	55
## 1511	1.00	White	0	1	0	1	3	10000	11.440710	34

## 1512	0.75	White	0	0	0	1	2	10000	11.440710	65
## 1513	1.00	Black	0	0	0	1	5	10000	11.490884	31
## 1514	1.00	Black	0	1	0	1	3	10000	11.490884	26
## 1515	0.50	White	0	1	0	1	6	10000	11.757838	72
## 1516	0.25	White	0	1	0	1	5	10000	11.679304	34
## 1517	0.25	White	0	0	0	1	2	10000	11.679304	65
## 1518	1.00	White	0	0	1	1	3	10000	11.679304	33
## 1519	0.75	White	0	0	1	1	5	10000	12.040266	26
## 1520	0.75	White	0	1	1	1	4	10000	12.040266	25
## 1521	0.50	Black	0	0	1	0	4	10000	9.770013	30
## 1522	0.25	White	0	0	1	0	2	10000	11.461643	43
## 1523	0.75	White	0	0	1	0	3	10000	11.461643	20
## 1524	0.50	White	0	1	0	0	5	10000	11.636920	31
## 1525	0.50	White	0	0	0	0	4	10000	11.636920	33
## 1526	1.00	Black	0	1	1	0	2	10000	10.985479	43
## 1527	1.00	Other	0	1	1	0	2	10000	10.985479	20
## 1528	0.50	Black	0	1	1	0	3	10000	10.985479	36
## 1529	0.25	White	0	0	0	0	3	10000	11.287291	44
## 1530	0.50	White	0	1	0	0	4	10000	11.287291	39
## 1531	1.00	White	0	0	1	0	2	10000	11.287291	19
## 1532	0.50	White	0	1	1	0	1	10000	11.287291	18
## 1533	0.25	Black	0	1	1	0	1	10000	10.532150	57
## 1534	0.50	Black	0	0	1	0	3	10000	10.532150	37
## 1535	0.50	White	0	0	0	0	2	10000	11.229939	39
## 1536	0.50	White	0	1	0	0	5	10000	11.229939	29
## 1537	0.75	White	0	1	0	0	4	10000	12.154790	41
## 1538	0.75	White	0	0	0	0	2	10000	12.154790	44
## 1539	0.50	White	0	0	0	0	3	10000	11.133143	34
## 1540	0.50	Other	0	1	0	0	3	10000	11.133143	34
## 1541	0.50	Asian	0	0	0	0	5	10000	12.001542	39
## 1542	0.25	Asian	0	1	0	0	5	10000	12.001542	28
## 1543	0.75	Black	0	1	0	0	5	10000	10.779227	32
## 1544	0.75	Black	0	0	0	0	5	10000	10.779227	32
## 1545	1.00	Black	0	1	0	0	4	10000	12.333599	53
## 1546	0.50	Black	0	0	0	0	1	10000	12.333599	49
## 1547	0.50	Black	0	1	1	0	2	10000	12.333599	34
## 1548	1.00	Black	0	1	1	0	1	10000	12.333599	18
## 1549	0.50	Black	0	0	1	0	4	10000	10.445376	57
## 1550	0.50	Black	0	1	1	0	2	10000	10.445376	63
## 1551	1.00	Black	0	1	1	0	2	10000	9.562545	43
## 1552	1.00	Black	0	0	1	0	2	10000	9.562545	66
## 1553	0.50	White	0	0	0	0	2	10000	11.199844	64
## 1554	0.25	White	0	1	0	0	1	10000	11.199844	61
## 1555	0.50	White	0	0	1	0	2	10000	11.082173	47
## 1556	0.25	White	0	0	0	0	1	10000	11.657934	71
## 1557	0.50	White	0	1	0	0	2	10000	11.657934	61
## 1558	0.50	White	0	0	0	0	5	10000	10.857787	66
## 1559	0.50	White	0	1	0	0	4	10000	10.857787	69
## 1560	0.50	White	0	0	1	0	1	10000	10.304275	51
## 1561	0.75	White	0	1	0	0	3	10000	11.652696	54
## 1562	0.75	White	0	0	0	0	3	10000	11.652696	58
## 1563	0.25	White	0	0	1	0	2	10000	11.409297	85
## 1564	0.50	White	0	0	0	0	3	10000	11.409297	62
## 1565	0.50	White	0	1	0	0	2	10000	11.409297	59

## 1566	1.00	White	0	1	0	0	2	10000	10.669932	37
## 1567	1.00	White	0	0	0	0	2	10000	10.669932	38
## 1568	0.50	White	0	1	0	0	2	10000	11.283600	27
## 1569	0.50	White	0	0	0	0	2	10000	11.283600	27
## 1570	0.75	White	0	0	0	0	5	10000	10.165929	37
## 1571	0.75	White	0	1	0	0	5	10000	10.165929	35
## 1572	0.50	White	0	0	1	0	2	10000	11.076001	85
## 1573	0.75	White	0	0	0	0	1	10000	11.308407	61
## 1574	0.75	White	0	1	0	0	2	10000	11.308407	50
## 1575	0.75	White	0	0	0	0	3	10000	11.385774	80
## 1576	1.00	White	0	1	0	0	2	10000	11.385774	78
## 1577	1.00	White	0	0	1	0	2	10000	11.385774	18
## 1578	1.00	White	0	1	0	0	3	10000	11.234163	80
## 1579	0.25	White	0	0	0	0	3	10000	11.234163	80
## 1580	0.50	White	0	0	0	0	1	10000	10.989690	75
## 1581	0.25	White	0	1	0	0	2	10000	10.989690	74
## 1582	0.50	White	0	1	0	0	4	10000	11.173627	54
## 1583	0.50	White	0	0	0	0	3	10000	11.173627	58
## 1584	0.75	White	0	1	0	0	5	10000	11.849298	41
## 1585	0.75	White	0	0	0	0	2	10000	11.849298	50
## 1586	1.00	White	0	1	0	0	2	10000	10.621401	60
## 1587	0.75	White	0	0	0	0	2	10000	10.621401	61
## 1588	0.75	White	0	0	0	0	2	10000	12.008767	33
## 1589	0.75	White	0	1	0	0	5	10000	12.008767	26
## 1590	1.00	White	0	1	1	0	4	10000	10.193953	73
## 1591	0.50	White	0	0	0	0	6	10000	11.764827	70
## 1592	0.75	White	0	1	0	0	4	10000	11.764827	68
## 1593	0.50	White	0	0	0	0	2	10000	11.932957	74
## 1594	0.50	White	0	1	0	0	4	10000	11.932957	70
## 1595	0.50	White	0	0	1	0	2	10000	11.932957	45
## 1596	0.50	White	0	1	0	0	6	10000	11.965815	55
## 1597	0.25	White	0	0	0	0	5	10000	11.965815	54
## 1598	0.50	White	0	1	1	0	2	10000	11.965815	22
## 1599	0.75	White	0	1	1	0	2	10000	11.965815	20
## 1600	1.00	White	0	0	0	0	5	10000	11.492774	34
## 1601	1.00	White	0	1	0	0	3	10000	11.492774	33
## 1602	0.75	White	0	0	0	0	4	10000	10.895368	48
## 1603	0.25	White	0	1	0	0	6	10000	10.895368	46
## 1604	0.00	White	0	0	1	0	1	10000	10.186408	49
## 1605	0.25	White	0	0	1	0	3	10000	10.657283	20
## 1606	0.00	White	0	1	1	0	3	10000	10.657283	22
## 1607	0.75	White	0	0	0	0	4	10000	10.622083	23
## 1608	0.25	White	0	1	0	0	4	10000	10.622083	22
## 1609	0.50	White	0	0	0	0	1	10000	10.757945	78
## 1610	0.75	White	0	1	0	0	1	10000	10.757945	64
## 1611	1.00	White	0	1	1	0	2	10000	10.757945	21
## 1612	0.50	White	0	1	0	0	2	10000	10.835671	47
## 1613	0.50	White	0	0	0	0	1	10000	10.835671	58
## 1614	0.75	White	0	0	1	0	1	10000	10.835671	18
## 1615	0.75	White	0	1	0	0	6	10000	11.971723	38
## 1616	0.75	White	0	0	0	0	5	10000	11.971723	43
## 1617	0.75	White	0	1	0	0	1	10000	11.329015	53
## 1618	0.75	White	0	0	0	0	2	10000	11.329015	55
## 1619	0.50	White	0	1	1	0	1	10000	11.329015	32

## 1620	0.50	White	0	1	1	0	6	10000	11.316156	80
## 1621	0.50	White	0	1	1	0	2	10000	11.780109	85
## 1622	0.75	Other	0	0	1	0	3	10000	11.780109	62
## 1623	0.00	White	0	1	0	0	3	10000	11.550231	54
## 1624	0.25	White	0	0	0	0	2	10000	11.550231	58
## 1625	0.00	White	0	1	1	0	4	10000	11.550231	32
## 1626	1.00	White	0	0	0	0	5	10000	12.002431	40
## 1627	1.00	White	0	1	0	0	2	10000	12.002431	37
## 1628	0.75	White	0	0	0	0	4	10000	11.884496	33
## 1629	0.75	White	0	1	0	0	3	10000	11.884496	33
## 1630	1.00	White	0	0	0	0	1	10000	11.362114	38
## 1631	1.00	White	0	1	0	0	3	10000	11.362114	37
## 1632	0.25	White	0	1	0	0	5	10000	11.987886	40
## 1633	0.50	White	0	0	0	0	5	10000	11.987886	28
## 1634	0.50	White	0	0	0	0	5	10000	11.987886	28
## 1635	1.00	White	0	0	1	0	2	10000	11.987886	21
## 1636	1.00	White	0	0	1	0	2	10000	11.987886	21
## 1637	1.00	White	0	0	1	0	2	10000	11.987886	21
## 1638	1.00	White	0	1	1	0	2	10000	11.987886	21
## 1639	0.50	White	0	1	0	0	3	10000	11.440366	45
## 1640	0.50	White	0	0	0	0	1	10000	11.440366	45
## 1641	0.50	White	0	0	0	0	5	10000	12.610133	51
## 1642	0.25	White	0	1	0	0	4	10000	12.610133	42
## 1643	0.50	White	0	1	1	0	2	10000	12.610133	25
## 1644	0.75	White	0	0	0	0	2	10000	12.410331	48
## 1645	1.00	White	0	1	0	0	6	10000	12.410331	46
## 1646	0.25	Black	0	0	1	0	2	10000	10.140968	64
## 1647	0.75	White	0	0	0	0	2	10000	11.650084	53
## 1648	0.75	White	0	0	0	0	2	10000	11.650084	53
## 1649	0.25	White	0	1	0	0	2	10000	11.650084	46
## 1650	1.00	White	0	0	1	0	2	10000	11.650084	23
## 1651	1.00	White	0	0	1	0	2	10000	11.650084	20
## 1652	1.00	White	0	0	1	0	2	10000	11.650084	18
## 1653	0.50	White	0	1	1	0	6	10000	10.920022	54
## 1654	0.75	White	0	1	1	0	4	10000	10.920022	23
## 1655	0.75	White	0	1	1	0	4	10000	10.920022	23
## 1656	0.50	White	0	1	1	0	1	10000	10.920022	18
## 1657	0.50	White	0	1	1	0	1	10000	10.920022	18
## 1658	0.00	White	0	1	0	0	1	10000	10.480691	42
## 1659	0.00	White	0	0	0	0	1	10000	10.480691	46
## 1660	0.50	White	0	0	1	0	3	10000	10.480691	20
## 1661	1.00	White	0	1	1	0	1	10000	10.480691	18
## 1662	1.00	White	0	1	0	0	1	10000	9.642188	34
## 1663	0.50	White	0	1	1	0	1	10000	9.667069	38
## 1664	0.75	White	0	0	1	0	1	10000	9.667069	49
## 1665	0.50	White	0	0	0	0	1	10000	10.314471	46
## 1666	0.25	White	0	1	0	0	3	10000	10.314471	45
## 1667	0.50	Other	0	1	0	0	6	10000	11.585646	39
## 1668	0.50	White	0	0	0	0	3	10000	11.585646	46
## 1669	0.50	Other	0	1	1	0	3	10000	11.585646	21
## 1670	0.75	White	0	0	0	0	5	10000	11.523005	48
## 1671	1.00	White	0	1	0	0	5	10000	11.523005	47
## 1672	0.75	White	0	0	0	0	3	10000	11.461643	34
## 1673	0.75	White	0	1	0	0	3	10000	11.461643	30

## 1674	0.50	White	0	0	0	0	2	10000	11.361032	34
## 1675	0.50	White	0	1	0	0	3	10000	11.361032	44
## 1676	0.50	White	0	1	1	0	3	10000	11.361032	20
## 1677	0.50	Other	0	1	0	0	3	10000	11.342149	62
## 1678	0.50	Other	0	0	0	0	2	10000	11.342149	65
## 1679	0.25	White	0	0	1	0	5	10000	11.561754	40
## 1680	0.50	Black	0	0	1	0	3	10000	10.878066	58
## 1681	0.75	Other	0	0	1	0	1	10000	10.477429	61
## 1682	0.75	Other	0	0	1	0	1	10000	10.477429	61
## 1683	0.75	White	0	0	0	0	4	10000	11.148290	56
## 1684	0.75	White	0	0	0	0	4	10000	11.148290	56
## 1685	0.75	White	0	1	0	0	3	10000	11.148290	55
## 1686	0.25	White	0	0	1	0	4	10000	9.969322	52
## 1687	0.25	White	0	1	1	0	1	10000	10.412381	71
## 1688	0.50	White	0	1	1	0	2	10000	10.412381	37
## 1689	0.75	White	0	1	1	0	2	10000	10.178198	85
## 1690	0.50	White	0	0	1	0	3	10000	10.121337	76
## 1691	0.50	White	0	1	1	0	1	10000	10.363472	80
## 1692	0.75	White	0	0	1	0	3	10000	10.945283	67
## 1693	0.25	White	0	1	1	0	2	10000	9.910066	58
## 1694	0.00	White	0	0	0	0	2	10000	10.937970	67
## 1695	0.50	White	0	1	0	0	2	10000	10.937970	66
## 1696	1.00	Black	0	1	1	0	3	10000	10.908814	68
## 1697	1.00	Black	0	1	1	0	6	10000	10.908814	42
## 1698	0.00	Black	0	0	0	0	1	10000	11.346647	59
## 1699	0.00	Black	0	1	0	0	2	10000	11.346647	57
## 1700	0.00	Black	0	0	1	0	1	10000	11.346647	57
## 1701	0.50	White	0	1	0	0	3	10000	11.303833	64
## 1702	0.50	White	0	0	0	0	4	10000	11.303833	68
## 1703	0.75	White	0	0	1	0	5	10000	11.303833	33
## 1704	0.75	White	0	0	1	0	5	10000	11.303833	33
## 1705	0.25	White	0	0	0	0	1	10000	11.050906	60
## 1706	0.50	White	0	1	1	0	1	10000	11.050906	36
## 1707	0.50	Black	0	0	0	0	5	10000	11.767808	31
## 1708	0.75	Black	0	1	0	0	6	10000	11.767808	28
## 1709	0.00	White	0	1	1	0	1	10000	10.015074	64
## 1710	1.00	White	0	0	0	0	3	10000	10.841168	31
## 1711	0.75	White	0	1	0	0	1	10000	10.841168	34
## 1712	0.00	White	0	0	0	0	3	10000	11.620137	80
## 1713	0.25	White	0	1	0	0	2	10000	11.620137	74
## 1714	0.25	Black	0	0	1	0	2	10000	10.461988	70
## 1715	0.75	White	0	0	1	0	2	10000	11.002150	45
## 1716	0.50	White	0	0	1	0	2	10000	10.577324	80
## 1717	0.00	White	0	1	1	0	2	10000	10.577324	32
## 1718	0.50	Black	0	0	0	0	6	10000	11.055704	80
## 1719	0.25	Black	0	1	0	0	6	10000	11.055704	69
## 1720	0.75	White	0	1	1	0	5	10000	10.792160	74
## 1721	1.00	White	0	0	0	0	6	10000	12.078273	70
## 1722	1.00	White	0	1	0	0	4	10000	12.078273	68
## 1723	0.25	Black	0	1	0	0	3	10000	11.776043	58
## 1724	0.75	Black	0	0	0	0	5	10000	11.776043	67
## 1725	0.75	Black	0	1	1	0	5	10000	10.363220	80
## 1726	0.50	Black	0	1	1	0	6	10000	10.363220	61
## 1727	0.00	Black	0	0	1	0	1	10000	10.043293	19

## 1728	0.75	White	0	0	0	0	2	10000	11.364379	55
## 1729	0.75	Black	0	1	0	0	2	10000	11.364379	53
## 1730	0.75	White	0	0	0	0	4	10000	11.601861	59
## 1731	0.75	White	0	1	0	0	6	10000	11.601861	57
## 1732	0.00	White	0	0	0	0	3	10000	11.075985	79
## 1733	0.25	White	0	1	0	0	2	10000	11.075985	78
## 1734	0.50	Black	0	1	0	0	3	10000	10.690353	36
## 1735	0.25	Black	0	0	0	0	2	10000	10.690353	38
## 1736	0.75	White	0	0	0	0	5	10000	11.131914	85
## 1737	0.50	White	0	1	0	0	2	10000	11.131914	80
## 1738	0.50	Black	0	0	1	0	2	10000	10.095182	72
## 1739	0.75	Black	0	1	1	0	3	10000	10.518700	53
## 1740	0.50	White	0	1	1	0	2	10000	10.668979	33
## 1741	0.50	Black	0	1	1	0	5	10000	11.411557	79
## 1742	0.75	Black	0	1	1	0	5	10000	10.921847	85
## 1743	1.00	White	0	0	0	0	3	10000	11.503390	18
## 1744	0.75	White	0	1	0	0	3	10000	11.503390	50
## 1745	0.75	Asian	0	0	0	1	2	10000	12.030242	42
## 1746	0.75	Asian	0	0	1	1	2	10000	12.030242	21
## 1747	0.75	Asian	0	0	1	1	2	10000	12.030242	20
## 1748	0.75	Asian	0	0	1	1	2	10000	12.030242	19
## 1749	1.00	Black	0	0	1	1	4	10000	11.322951	58
## 1750	1.00	Asian	0	0	0	1	2	10000	11.870677	59
## 1751	1.00	Asian	0	1	0	1	5	10000	11.870677	54
## 1752	1.00	Asian	0	1	1	1	2	10000	11.870677	26
## 1753	0.75	Asian	0	0	1	1	5	10000	11.813082	28
## 1754	0.75	Asian	0	0	1	1	5	10000	11.813082	51
## 1755	1.00	Black	0	1	1	1	5	10000	11.695597	46
## 1756	0.50	Black	0	0	0	1	5	10000	12.506199	34
## 1757	0.50	Black	0	1	0	1	5	10000	12.506199	30
## 1758	0.25	Black	0	1	1	1	5	10000	11.410350	66
## 1759	0.75	Black	0	1	1	1	3	10000	10.632484	55
## 1760	1.00	Black	0	1	0	1	2	10000	11.002117	56
## 1761	0.75	Black	0	0	0	1	2	10000	11.002117	55
## 1762	0.25	Black	0	0	1	1	2	10000	10.474947	49
## 1763	0.50	Black	0	1	1	1	2	10000	10.126791	66
## 1764	0.50	White	0	1	1	1	3	10000	11.484279	43
## 1765	1.00	White	0	1	1	1	3	10000	11.484279	18
## 1766	1.00	White	0	1	1	1	3	10000	11.484279	18
## 1767	0.50	Black	0	0	1	1	5	10000	11.465373	66
## 1768	0.50	White	0	1	0	1	6	10000	10.878066	53
## 1769	0.50	Asian	0	0	0	1	5	10000	10.878066	53
## 1770	1.00	Asian	0	1	0	1	5	10000	12.330633	65
## 1771	1.00	Asian	0	0	0	1	6	10000	12.330633	78
## 1772	0.75	Asian	0	1	0	1	5	10000	11.759793	43
## 1773	0.75	Asian	0	0	0	1	6	10000	11.759793	41
## 1774	0.25	Asian	0	1	0	1	6	10000	11.531394	71
## 1775	0.50	Asian	0	0	0	1	5	10000	11.531394	74
## 1776	0.50	White	0	0	0	1	5	10000	12.323878	41
## 1777	1.00	White	0	1	0	1	5	10000	12.323878	38
## 1778	0.75	White	0	1	0	1	5	10000	11.617294	49
## 1779	0.75	White	0	0	0	1	6	10000	11.617294	49
## 1780	0.50	White	0	0	1	1	5	10000	11.617294	75
## 1781	0.75	White	0	1	0	1	5	10000	11.364437	44

## 1782	0.75	White	0	0	0	1	5	10000	11.364437	57
## 1783	1.00	White	0	1	0	1	6	10000	11.440366	37
## 1784	0.75	Black	0	0	0	1	6	10000	11.440366	35
## 1785	0.75	Black	0	0	0	1	2	10000	11.034906	49
## 1786	0.75	Black	0	0	1	1	3	10000	11.527420	70
## 1787	1.00	Asian	0	1	0	1	6	10000	12.099383	30
## 1788	1.00	Asian	0	0	0	1	6	10000	12.099383	31
## 1789	1.00	White	0	1	0	1	5	10000	11.954407	42
## 1790	1.00	White	0	0	0	1	6	10000	11.954407	47
## 1791	1.00	White	0	0	0	1	2	10000	12.292581	42
## 1792	1.00	White	0	1	0	1	2	10000	12.292581	45
## 1793	0.50	Black	0	0	0	1	6	10000	12.023957	48
## 1794	0.50	Black	0	1	0	1	6	10000	12.023957	34
## 1795	0.00	Black	0	1	1	1	6	10000	11.018646	70
## 1796	0.50	Black	0	0	0	1	6	10000	11.112910	63
## 1797	0.00	Black	0	1	0	1	4	10000	11.112910	63
## 1798	1.00	Asian	0	0	1	1	2	10000	11.905096	24
## 1799	0.00	Asian	0	1	1	1	4	10000	11.905096	26
## 1800	0.25	Asian	0	0	0	1	2	10000	11.905096	61
## 1801	0.75	Asian	0	1	0	1	2	10000	11.905096	56
## 1802	0.75	Asian	0	1	1	1	6	10000	11.462747	30
## 1803	1.00	Asian	0	0	0	1	5	10000	11.326608	32
## 1804	1.00	Asian	0	1	0	1	5	10000	11.326608	29
## 1805	0.75	Asian	0	0	0	1	5	10000	10.800432	32
## 1806	0.75	Asian	0	0	0	1	5	10000	10.800432	32
## 1807	1.00	White	0	1	0	1	5	10000	10.800432	29
## 1808	0.50	Asian	0	1	0	1	5	10000	9.472782	31
## 1809	0.50	Asian	0	0	0	1	6	10000	9.472782	32
## 1810	0.50	Black	0	1	1	1	2	10000	10.841070	52
## 1811	0.50	Black	0	0	1	1	5	10000	11.018662	44
## 1812	0.50	Black	0	0	1	1	5	10000	11.018662	44
## 1813	0.50	Black	0	1	1	1	3	10000	11.188635	61
## 1814	0.25	Black	0	0	0	1	2	10000	12.197879	79
## 1815	0.50	Black	0	1	0	1	6	10000	12.197879	73
## 1816	0.50	Black	0	0	0	1	5	10000	12.197879	39
## 1817	0.50	White	0	0	0	1	6	10000	12.197879	35
## 1818	1.00	White	0	1	1	1	5	10000	11.199625	41
## 1819	1.00	White	0	0	0	1	5	10000	11.819689	45
## 1820	1.00	White	0	1	0	1	6	10000	11.819689	45
## 1821	1.00	White	0	0	0	1	6	10000	12.145377	49
## 1822	1.00	White	0	1	0	1	6	10000	12.145377	44
## 1823	0.75	White	0	1	0	1	5	10000	12.026910	53
## 1824	0.75	White	0	0	0	1	6	10000	12.026910	50
## 1825	0.75	White	0	0	1	1	3	10000	12.026910	22
## 1826	0.75	White	0	1	1	1	3	10000	12.026910	19
## 1827	0.75	Asian	0	0	0	1	3	10000	11.358141	32
## 1828	0.50	Asian	0	0	1	1	2	10000	11.358141	66
## 1829	0.50	Asian	0	0	0	1	2	10000	11.358141	35
## 1830	0.50	Black	0	1	0	1	3	10000	10.890423	69
## 1831	0.25	Black	0	0	0	1	3	10000	10.890423	69
## 1832	0.50	Black	0	1	1	1	3	10000	9.472782	62
## 1833	0.50	Black	0	0	0	1	5	10000	11.983523	44
## 1834	0.50	Black	0	1	0	1	6	10000	11.983523	35
## 1835	0.00	Black	0	1	1	1	2	10000	11.983523	68

## 1836	0.25	Black	0	1	0	1	6	10000	10.749420	67
## 1837	0.25	Black	0	0	0	1	2	10000	10.749420	67
## 1838	1.00	White	0	1	1	1	5	10000	10.571343	48
## 1839	0.25	Asian	0	0	0	1	5	10000	11.045830	67
## 1840	0.25	Asian	0	1	0	1	6	10000	11.045830	71
## 1841	0.50	Black	0	1	1	1	6	10000	11.303105	68
## 1842	1.00	White	0	0	0	1	5	10000	11.977986	44
## 1843	1.00	White	0	1	0	1	2	10000	11.977986	32
## 1844	1.00	White	0	0	0	1	2	10000	11.977986	25
## 1845	0.75	Black	0	0	1	1	2	10000	11.547346	30
## 1846	1.00	White	0	1	0	1	5	10000	12.653962	32
## 1847	1.00	White	0	0	0	1	6	10000	12.653962	33
## 1848	1.00	White	0	0	1	1	6	10000	12.311450	52
## 1849	1.00	White	0	1	0	1	5	10000	11.728174	32
## 1850	1.00	White	0	0	0	1	5	10000	11.728174	34
## 1851	0.50	Black	0	1	0	1	2	10000	11.163836	64
## 1852	0.75	Black	0	0	0	1	2	10000	11.163836	68
## 1853	0.25	Black	0	0	1	1	1	10000	11.163836	85
## 1854	0.50	Black	0	0	0	1	3	10000	11.859433	62
## 1855	0.50	Black	0	1	0	1	3	10000	11.859433	60
## 1856	0.25	Black	0	1	1	1	3	10000	11.859433	85
## 1857	1.00	White	0	1	0	1	5	10000	11.840897	42
## 1858	1.00	White	0	0	0	1	6	10000	11.840897	44
## 1859	0.75	Black	0	1	1	1	1	10000	11.146215	19
## 1860	0.75	Black	0	1	1	1	3	10000	11.146215	40
## 1861	0.50	White	0	0	0	1	5	10000	12.506318	57
## 1862	0.50	White	1	1	0	1	5	10000	12.506318	64
## 1863	0.75	White	1	1	1	1	3	10000	12.506318	26
## 1864	0.75	White	1	1	1	1	3	10000	12.506318	20
## 1865	0.75	White	1	1	1	1	2	10000	12.506318	85
## 1866	0.75	White	1	1	1	1	2	10000	12.506318	53
## 1867	0.50	White	0	1	1	1	3	10000	10.308319	34
## 1868	1.00	White	0	0	1	1	1	10000	10.308319	19
## 1869	0.50	White	0	0	1	1	3	10000	10.308319	33
## 1870	0.50	White	0	1	1	1	1	10000	9.928229	40
## 1871	1.00	Black	0	1	0	1	2	10000	11.774374	40
## 1872	1.00	Black	0	0	0	1	2	10000	11.774374	42
## 1873	1.00	Black	0	1	1	1	2	10000	11.774374	19
## 1874	1.00	Asian	0	1	1	1	6	10000	11.440376	28
## 1875	0.50	Other	0	1	1	1	3	10000	10.033638	85
## 1876	0.50	Black	0	1	1	1	2	10000	10.142465	70
## 1877	0.75	Black	0	1	1	1	4	10000	10.092454	71
## 1878	0.00	Black	0	0	0	1	2	10000	9.998843	74
## 1879	0.25	Black	0	1	0	1	2	10000	9.998843	56
## 1880	0.50	Black	0	0	1	1	2	10000	9.998843	35
## 1881	0.50	White	0	0	0	1	5	10000	11.440366	35
## 1882	0.50	Other	0	1	0	1	5	10000	11.440366	29
## 1883	1.00	Asian	0	0	0	1	6	10000	12.078813	31
## 1884	1.00	Asian	0	0	0	1	6	10000	12.078813	31
## 1885	1.00	Asian	0	1	0	1	5	10000	12.078813	26
## 1886	0.75	White	0	0	0	1	3	10000	11.433893	43
## 1887	0.75	White	0	1	0	1	2	10000	11.433893	43
## 1888	1.00	White	0	1	1	1	1	10000	11.433893	18
## 1889	0.75	Asian	0	0	0	1	5	10000	10.917377	64

## 1890	0.75	Asian	0	1	0	1	5	10000	10.917377	63
## 1891	0.50	Black	0	0	1	1	2	10000	10.778977	40
## 1892	1.00	Black	0	1	1	1	5	10000	12.232573	59
## 1893	0.75	Black	0	0	1	1	4	10000	12.232573	40
## 1894	1.00	Black	0	1	1	1	6	10000	12.232573	56
## 1895	0.50	White	0	0	1	1	4	10000	11.308371	36
## 1896	0.75	White	0	1	1	1	5	10000	11.308371	46
## 1897	1.00	Black	0	0	1	1	1	10000	11.264733	42
## 1898	1.00	Black	0	1	1	1	5	10000	11.264733	44
## 1899	0.75	Black	0	0	0	1	5	10000	12.197718	76
## 1900	0.50	Black	0	1	0	1	3	10000	12.197718	75
## 1901	1.00	White	0	1	0	1	6	10000	11.710899	34
## 1902	0.50	White	0	0	0	1	2	10000	11.710899	36
## 1903	0.75	Black	0	1	1	1	4	10000	10.669002	60
## 1904	0.50	White	1	0	1	1	3	10000	11.018646	26
## 1905	0.75	White	0	0	1	1	4	10000	12.140531	70
## 1906	0.50	White	0	1	1	1	2	10000	12.140531	40
## 1907	0.25	White	0	0	1	1	1	10000	12.140531	45
## 1908	1.00	White	0	0	0	1	2	10000	12.140531	36
## 1909	0.50	Other	0	1	1	1	5	10000	12.140531	35
## 1910	1.00	White	1	0	1	1	2	10000	11.792381	56
## 1911	1.00	White	1	0	1	1	2	10000	11.792381	23
## 1912	1.00	White	1	0	1	1	2	10000	11.792381	22
## 1913	0.50	Black	0	0	1	1	1	10000	10.721173	69
## 1914	1.00	White	0	1	0	1	6	10000	11.545402	55
## 1915	0.50	White	0	0	0	1	6	10000	11.545402	50
## 1916	0.25	Black	0	1	0	1	2	10000	10.839601	37
## 1917	0.25	Black	0	0	0	1	2	10000	10.839601	37
## 1918	0.25	Black	0	1	1	1	3	10000	10.757924	59
## 1919	0.25	White	1	0	1	1	2	10000	10.757924	50
## 1920	0.50	Black	0	0	0	1	1	10000	11.050906	59
## 1921	0.50	Black	0	1	0	1	4	10000	11.050906	61
## 1922	0.25	Black	0	1	1	1	1	10000	10.022026	53
## 1923	1.00	White	0	1	0	1	5	10000	11.930431	33
## 1924	1.00	White	0	0	0	1	5	10000	11.930431	34
## 1925	0.25	White	0	1	1	1	3	10000	11.816734	44
## 1926	1.00	Other	0	0	1	1	3	10000	11.816734	23
## 1927	0.50	Asian	0	0	0	1	5	10000	11.127292	44
## 1928	0.50	Asian	0	1	0	1	5	10000	11.127292	34
## 1929	1.00	White	0	0	0	1	5	10000	11.833646	41
## 1930	1.00	White	0	1	0	1	5	10000	11.833646	39
## 1931	0.75	White	0	0	0	1	3	10000	11.385103	32
## 1932	0.75	White	0	1	0	1	5	10000	11.385103	51
## 1933	1.00	White	0	1	0	1	6	10000	11.644717	31
## 1934	1.00	White	0	0	0	1	5	10000	11.644717	32
## 1935	1.00	White	0	0	0	1	2	10000	13.942183	43
## 1936	1.00	White	0	1	0	1	2	10000	13.942183	41
## 1937	0.25	Black	0	0	1	1	1	10000	10.078659	78
## 1938	0.00	Black	0	1	1	1	2	10000	10.078659	78
## 1939	0.75	White	0	1	1	1	2	10000	10.691990	45
## 1940	0.25	White	0	1	0	1	2	10000	11.204496	68
## 1941	0.25	White	0	0	0	1	3	10000	11.204496	69
## 1942	0.50	White	0	0	0	1	5	10000	11.147541	76
## 1943	0.50	White	0	0	0	1	5	10000	11.147541	76

## 1944	0.00	White	0	1	0	1	6	10000	11.147541	67
## 1945	0.25	White	0	0	0	1	5	10000	11.098288	75
## 1946	0.25	White	0	1	0	1	3	10000	11.098288	72
## 1947	0.75	White	0	0	0	1	5	10000	11.704455	75
## 1948	0.75	White	0	1	0	1	3	10000	11.704455	74
## 1949	1.00	White	0	0	0	1	4	10000	10.545368	54
## 1950	1.00	White	0	1	0	1	2	10000	10.545368	54
## 1951	0.75	White	0	1	1	1	2	10000	10.453370	67
## 1952	0.25	White	0	1	0	1	2	10000	10.974009	74
## 1953	0.25	White	0	0	0	1	2	10000	10.974009	69
## 1954	0.75	Black	0	1	0	1	5	10000	11.950864	73
## 1955	0.75	Black	0	0	0	1	5	10000	11.950864	79
## 1956	0.75	White	0	1	0	1	6	10000	11.430500	46
## 1957	0.75	White	0	0	0	1	2	10000	11.430500	47
## 1958	0.50	White	0	0	0	1	2	10000	12.375604	61
## 1959	0.50	White	0	1	0	1	2	10000	12.375604	59
## 1960	0.50	White	0	0	0	1	6	10000	12.214095	58
## 1961	0.50	White	0	1	0	1	5	10000	12.214095	57
## 1962	0.75	White	0	0	0	1	6	10000	12.737648	73
## 1963	0.75	White	0	1	0	1	5	10000	12.737648	71
## 1964	0.50	White	0	0	0	1	6	10000	12.378516	67
## 1965	0.50	White	0	0	0	1	6	10000	12.378516	67
## 1966	0.75	White	0	0	0	1	4	10000	11.175086	69
## 1967	1.00	White	1	1	0	1	5	10000	11.175086	58
## 1968	1.00	White	0	0	0	1	3	10000	12.025761	33
## 1969	1.00	White	0	1	0	1	5	10000	12.025761	35
## 1970	1.00	White	0	0	0	1	2	10000	11.254504	39
## 1971	1.00	White	0	0	0	1	2	10000	11.254504	39
## 1972	1.00	Asian	0	1	0	1	2	10000	11.254504	41
## 1973	1.00	Asian	0	1	1	1	3	10000	11.254504	19
## 1974	0.00	White	0	1	0	1	6	10000	10.822973	78
## 1975	0.00	White	0	0	0	1	5	10000	10.822973	85
## 1976	0.75	White	0	0	0	1	2	10000	11.795107	67
## 1977	0.50	White	0	1	0	1	2	10000	11.795107	60
## 1978	0.25	White	0	0	0	1	6	10000	11.898229	53
## 1979	0.75	White	0	1	0	1	5	10000	11.898229	51
## 1980	1.00	White	0	1	1	1	5	10000	11.898229	23
## 1981	0.50	White	0	0	1	1	5	10000	10.220486	76
## 1982	0.75	White	0	1	0	1	4	10000	11.728456	50
## 1983	0.75	White	0	0	0	1	4	10000	11.728456	56
## 1984	0.75	White	0	1	1	1	2	10000	11.728456	20
## 1985	0.75	White	0	1	1	1	2	10000	11.728456	18
## 1986	0.25	White	0	0	0	1	5	10000	10.637129	75
## 1987	0.25	White	0	1	0	1	3	10000	10.637129	72
## 1988	0.75	White	0	0	0	1	5	10000	11.263451	65
## 1989	0.75	White	0	1	0	1	6	10000	11.263451	63
## 1990	0.75	White	0	0	0	1	5	10000	11.697835	63
## 1991	0.50	Black	0	0	0	1	5	10000	11.941716	59
## 1992	0.50	Black	0	0	0	1	5	10000	11.941716	59
## 1993	1.00	Black	0	1	1	1	3	10000	11.941716	22
## 1994	1.00	Black	0	0	1	1	2	10000	11.941716	19
## 1995	0.75	Black	0	1	1	1	2	10000	10.746390	29
## 1996	0.25	White	0	0	1	1	2	10000	11.041593	48
## 1997	0.25	White	0	1	1	1	2	10000	11.041593	48

## 1998	0.75	White	0	1	0	1	5	10000	12.290184	56
## 1999	0.75	White	0	0	0	1	5	10000	12.290184	59
## 2000	1.00	White	0	0	1	1	3	10000	12.290184	21
## 2001	1.00	White	0	1	0	1	4	10000	12.169497	48
## 2002	1.00	White	0	0	0	1	6	10000	12.169497	49
## 2003	0.75	White	0	1	1	1	3	10000	11.111836	28
## 2004	0.75	White	0	1	1	1	3	10000	11.111836	21
## 2005	0.25	White	0	1	1	1	2	10000	11.111836	56
## 2006	0.25	White	0	1	1	1	2	10000	11.111836	56
## 2007	0.00	White	0	1	1	1	2	10000	10.056037	61
## 2008	0.25	Black	0	0	1	1	2	10000	10.056037	60
## 2009	1.00	White	0	0	0	1	6	10000	12.240981	46
## 2010	0.75	White	0	1	0	1	4	10000	11.312631	69
## 2011	0.50	White	0	1	1	1	2	10000	11.312631	85
## 2012	0.75	White	0	0	1	1	5	10000	11.291031	64
## 2013	1.00	White	0	0	0	1	5	10000	13.151854	75
## 2014	0.50	White	0	1	0	1	2	10000	13.151854	76
## 2015	0.25	White	0	1	1	1	3	10000	10.192569	56
## 2016	1.00	White	0	0	0	1	4	10000	11.769303	72
## 2017	1.00	White	0	1	0	1	3	10000	11.769303	70
## 2018	0.00	White	0	0	0	1	2	10000	11.106445	75
## 2019	0.00	White	0	1	0	1	6	10000	11.106445	73
## 2020	1.00	White	0	1	0	1	6	10000	11.310087	58
## 2021	1.00	White	0	0	0	1	2	10000	11.310087	62
## 2022	0.25	White	0	0	1	1	4	10000	12.790593	66
## 2023	1.00	White	1	0	1	1	1	10000	11.307143	40
## 2024	0.75	White	1	0	1	1	1	10000	11.307143	43
## 2025	0.75	White	0	0	1	1	1	10000	11.050906	38
## 2026	0.50	White	0	0	0	1	2	10000	10.793804	80
## 2027	0.50	White	0	1	0	1	2	10000	10.793804	80
## 2028	0.50	White	0	1	0	1	3	10000	11.561725	49
## 2029	0.50	White	0	0	0	1	5	10000	11.561725	46
## 2030	1.00	Black	0	0	0	1	2	10000	11.750003	59
## 2031	1.00	Black	0	1	0	1	3	10000	11.750003	63
## 2032	0.75	White	0	1	0	1	4	10000	11.238568	64
## 2033	0.75	White	0	0	0	1	4	10000	11.238568	64
## 2034	0.75	White	0	1	1	1	2	10000	11.238568	24
## 2035	1.00	White	0	0	0	1	3	10000	11.813045	71
## 2036	0.50	White	0	1	0	1	4	10000	11.813045	69
## 2037	0.50	White	0	0	1	1	4	10000	11.127513	57
## 2038	0.75	White	0	1	1	1	2	10000	10.835967	71
## 2039	0.75	White	0	0	0	1	3	10000	11.758543	58
## 2040	0.75	White	1	1	0	1	2	10000	11.758543	65
## 2041	0.75	White	0	0	1	1	3	10000	10.642420	75
## 2042	0.50	White	0	0	0	1	3	10000	10.779144	35
## 2043	0.50	White	0	1	0	1	2	10000	10.779144	37
## 2044	0.50	White	0	1	0	1	2	10000	10.827647	74
## 2045	0.50	White	0	0	0	1	2	10000	10.827647	77
## 2046	0.25	White	0	0	0	1	2	10000	11.066748	59
## 2047	0.25	White	0	1	0	1	2	10000	11.066748	51
## 2048	1.00	White	0	1	0	1	4	10000	11.931774	31
## 2049	1.00	White	1	0	0	1	2	10000	11.931774	31
## 2050	0.75	White	0	0	0	1	5	10000	12.095560	68
## 2051	0.75	White	0	1	0	1	2	10000	12.095560	67

## 2052	0.50	White	0	1	0	1	6	10000	12.270052	58
## 2053	0.25	White	0	0	0	1	5	10000	12.270052	58
## 2054	1.00	White	0	0	0	1	4	10000	13.092356	67
## 2055	0.75	White	0	1	0	1	6	10000	13.092356	60
## 2056	0.75	White	0	1	1	1	5	10000	11.522905	24
## 2057	0.75	White	0	1	1	1	6	10000	11.522905	26
## 2058	0.75	White	0	1	0	1	3	10000	11.590821	44
## 2059	0.75	White	0	0	0	1	2	10000	11.590821	47
## 2060	0.75	White	0	0	0	1	2	10000	11.020284	31
## 2061	0.75	White	0	1	0	1	2	10000	11.020284	27
## 2062	1.00	White	0	1	1	1	3	10000	11.447971	32
## 2063	0.50	Black	0	1	1	1	2	10000	10.475540	32
## 2064	0.50	White	0	1	1	1	4	10000	13.893860	65
## 2065	0.50	Black	0	0	0	1	6	10000	14.007003	64
## 2066	0.25	Black	0	1	0	1	4	10000	14.007003	65
## 2067	0.75	Black	0	0	1	1	2	10000	14.007003	39
## 2068	0.75	Black	0	1	1	1	6	10000	14.007003	34
## 2069	0.50	White	0	1	0	1	4	10000	11.695355	63
## 2070	0.50	White	0	0	0	1	6	10000	11.695355	64
## 2071	1.00	White	0	1	1	1	5	10000	11.295503	25
## 2072	0.50	White	0	1	1	1	2	10000	11.295503	77
## 2073	0.50	White	0	0	0	1	2	10000	11.187001	85
## 2074	0.50	White	0	1	0	1	2	10000	11.187001	80
## 2075	0.75	White	0	0	1	1	6	10000	12.375862	64
## 2076	0.75	White	0	1	1	1	2	10000	11.125997	70
## 2077	0.75	White	0	1	0	1	5	10000	10.951122	70
## 2078	0.75	White	0	0	0	1	2	10000	10.951122	73
## 2079	1.00	White	0	1	1	1	1	10000	10.280725	80
## 2080	1.00	White	0	0	0	1	2	10000	12.269052	57
## 2081	1.00	White	0	1	0	1	2	10000	12.269052	54
## 2082	0.75	White	0	0	1	1	3	10000	11.282896	53
## 2083	0.25	White	0	1	1	1	6	10000	10.356599	85
## 2084	0.50	Black	0	1	1	1	2	10000	9.971193	55
## 2085	0.50	Black	0	1	1	1	1	10000	9.971193	18
## 2086	0.50	White	0	0	0	1	5	10000	12.455979	67
## 2087	0.50	White	0	1	0	1	2	10000	12.455979	58
## 2088	0.75	Black	0	0	0	1	1	10000	10.864082	77
## 2089	0.50	Black	0	1	0	1	3	10000	10.864082	80
## 2090	1.00	White	0	0	0	1	3	10000	11.719997	72
## 2091	0.50	White	0	1	0	1	3	10000	11.719997	69
## 2092	0.75	White	0	0	0	1	2	10000	11.341140	68
## 2093	1.00	White	0	1	0	1	2	10000	11.341140	70
## 2094	0.25	Black	0	1	1	1	2	10000	10.404293	76
## 2095	0.50	White	0	1	1	1	5	10000	10.335173	85
## 2096	0.75	Black	0	1	1	1	2	10000	10.554040	85
## 2097	0.00	White	0	0	0	1	1	10000	10.854566	64
## 2098	0.00	White	0	1	0	1	2	10000	10.854566	58
## 2099	0.50	White	0	0	1	1	5	10000	10.199547	23
## 2100	0.50	White	0	1	1	1	5	10000	10.199547	23
## 2101	0.25	White	0	1	0	1	2	10000	10.548416	74
## 2102	0.25	White	1	0	0	1	2	10000	10.548416	75
## 2103	0.00	White	0	0	1	1	2	10000	10.173553	54
## 2104	0.00	White	0	0	0	1	2	10000	10.743351	56
## 2105	0.00	White	0	1	0	1	3	10000	10.743351	58

## 2106	0.25	White	0	1	0	1	3	10000	10.431731	80
## 2107	0.25	White	0	0	0	1	6	10000	10.431731	79
## 2108	0.25	White	0	1	1	1	4	10000	11.594552	53
## 2109	1.00	White	0	1	1	1	4	10000	11.594552	22
## 2110	0.50	White	0	0	1	1	2	10000	11.594552	22
## 2111	0.50	White	0	0	0	1	5	10000	11.429902	67
## 2112	0.50	White	0	1	0	1	2	10000	11.429902	59
## 2113	0.50	White	0	0	0	1	5	10000	11.502107	80
## 2114	0.50	White	0	1	0	1	6	10000	11.502107	85
## 2115	0.50	White	0	1	0	1	5	10000	11.704281	61
## 2116	0.25	White	0	0	0	1	5	10000	11.704281	66
## 2117	0.75	White	0	1	0	1	5	10000	11.823706	61
## 2118	0.75	White	0	0	0	1	4	10000	11.823706	66
## 2119	0.75	White	0	1	1	1	3	10000	10.772162	63
## 2120	1.00	White	0	1	1	1	6	10000	11.303981	55
## 2121	0.25	White	0	0	1	1	3	10000	11.303981	22
## 2122	0.25	White	0	0	0	1	5	10000	11.810813	61
## 2123	0.25	Black	0	1	0	1	2	10000	11.810813	60
## 2124	0.50	White	0	1	1	1	2	10000	10.653960	85
## 2125	0.75	White	0	1	1	1	6	10000	11.376097	63
## 2126	0.75	White	0	0	0	1	6	10000	11.534873	85
## 2127	0.25	White	0	1	0	1	6	10000	11.534873	78
## 2128	1.00	White	0	1	1	1	3	10000	10.404323	32
## 2129	0.50	White	0	0	0	1	2	10000	10.678722	80
## 2130	0.50	White	0	1	0	1	2	10000	10.678722	80
## 2131	1.00	White	1	0	0	1	1	10000	11.289794	38
## 2132	1.00	White	1	1	0	1	1	10000	11.289794	39
## 2133	1.00	White	1	0	1	1	5	10000	11.289794	24
## 2134	1.00	Black	0	0	0	1	2	10000	10.960027	38
## 2135	1.00	Black	0	1	0	1	1	10000	10.960027	35
## 2136	1.00	Black	0	1	1	1	1	10000	10.960027	18
## 2137	0.75	White	0	0	0	1	2	10000	10.249344	74
## 2138	0.75	White	0	1	0	1	1	10000	10.249344	80
## 2139	0.75	White	0	0	0	1	2	10000	11.798119	46
## 2140	0.75	White	0	1	0	1	2	10000	11.798119	39
## 2141	1.00	White	0	0	1	1	2	10000	10.778977	54
## 2142	0.25	Black	0	0	0	1	3	10000	11.430207	34
## 2143	0.25	Black	0	1	0	1	2	10000	11.430207	41
## 2144	0.75	White	0	0	1	1	3	10000	10.924499	71
## 2145	1.00	Black	0	1	1	1	5	10000	11.354645	48
## 2146	0.75	White	0	1	1	1	6	10000	10.878085	34
## 2147	0.75	Black	0	0	0	1	3	10000	11.326620	49
## 2148	0.50	White	0	1	1	1	3	10000	11.513435	55
## 2149	0.25	White	0	0	1	1	2	10000	11.513435	50
## 2150	0.25	White	0	1	0	1	4	10000	11.631828	41
## 2151	0.25	White	0	0	0	1	1	10000	11.631828	41
## 2152	0.25	White	0	0	1	1	2	10000	11.631828	22
## 2153	0.25	White	0	0	1	1	3	10000	11.631828	19
## 2154	0.75	White	0	0	1	1	2	10000	10.933125	41
## 2155	0.75	Black	0	1	1	1	2	10000	10.491330	44
## 2156	0.50	White	0	0	0	1	6	10000	11.019121	71
## 2157	0.50	White	0	1	0	1	5	10000	11.019121	72
## 2158	0.75	White	0	1	1	1	3	10000	11.686761	85
## 2159	1.00	White	0	0	1	1	6	10000	11.686761	61

## 2160	1.00	White	0	1	0	1	5	10000	11.686761	71
## 2161	0.75	White	0	0	0	1	5	10000	11.686761	85
## 2162	0.75	Other	0	1	0	1	3	10000	12.111971	50
## 2163	0.75	Other	0	0	0	1	4	10000	12.111971	60
## 2164	0.75	Other	0	1	1	1	3	10000	12.111971	28
## 2165	1.00	Other	0	0	1	1	5	10000	12.111971	24
## 2166	1.00	Other	0	0	1	1	3	10000	12.111971	23
## 2167	0.75	Other	0	1	1	1	2	10000	12.111971	31
## 2168	0.25	White	0	0	0	1	4	10000	13.950921	47
## 2169	0.25	White	0	1	0	1	4	10000	13.950921	46
## 2170	1.00	White	0	1	0	1	2	10000	11.805871	63
## 2171	1.00	White	0	0	0	1	6	10000	11.805871	63
## 2172	0.25	White	0	0	0	1	1	10000	10.732192	85
## 2173	0.75	White	0	1	0	1	2	10000	10.732192	28
## 2174	1.00	White	0	0	1	1	2	10000	11.065763	73
## 2175	0.25	Other	0	0	1	1	1	10000	11.050906	47
## 2176	0.25	White	0	0	0	1	2	10000	11.050906	55
## 2177	0.25	White	0	1	0	1	2	10000	11.050906	50
## 2178	0.00	White	0	0	0	1	5	10000	9.740027	63
## 2179	1.00	White	0	1	1	1	1	10000	10.254884	77
## 2180	0.25	White	1	1	0	1	3	10000	11.852856	53
## 2181	0.25	White	0	0	0	1	5	10000	11.852856	55
## 2182	0.50	White	1	1	0	1	3	10000	11.177467	47
## 2183	0.50	White	0	0	0	1	2	10000	11.177467	46
## 2184	0.25	White	0	0	1	1	2	10000	11.177467	47
## 2185	1.00	White	1	1	0	1	5	10000	11.170506	33
## 2186	1.00	White	0	0	0	1	4	10000	11.170506	39
## 2187	1.00	White	1	0	0	1	4	10000	11.989247	36
## 2188	1.00	White	0	1	0	1	6	10000	11.989247	32
## 2189	0.75	White	1	0	0	1	5	10000	12.433849	44
## 2190	0.75	White	1	1	0	1	5	10000	12.433849	45
## 2191	0.75	White	1	1	1	1	3	10000	12.433849	20
## 2192	0.75	White	0	0	0	1	1	10000	10.518700	28
## 2193	0.75	White	0	1	0	1	2	10000	10.518700	23
## 2194	0.75	White	1	0	0	1	1	10000	10.668979	32
## 2195	0.75	White	1	1	0	1	1	10000	10.668979	19
## 2196	0.75	White	0	0	0	1	2	10000	11.321777	49
## 2197	0.75	White	0	1	0	1	2	10000	11.321777	51
## 2198	0.75	White	0	0	1	1	1	10000	11.321777	18
## 2199	0.50	White	0	0	1	1	3	10000	11.144250	58
## 2200	0.50	White	0	1	1	1	2	10000	11.144250	57
## 2201	0.25	Black	0	0	0	1	2	10000	11.006457	60
## 2202	0.25	Black	0	1	0	1	1	10000	11.006457	59
## 2203	0.25	White	0	1	1	1	3	10000	11.305188	23
## 2204	0.75	Black	0	0	1	1	3	10000	11.305188	23
## 2205	0.50	White	0	0	0	1	6	10000	11.580593	36
## 2206	0.50	White	0	1	0	1	5	10000	11.580593	37
## 2207	1.00	White	0	0	0	1	5	10000	12.281022	64
## 2208	1.00	White	0	1	0	1	3	10000	12.281022	58
## 2209	0.50	White	0	1	1	1	3	10000	12.281022	33
## 2210	0.50	White	0	0	1	1	5	10000	11.401670	26
## 2211	0.50	White	0	0	1	1	5	10000	11.401670	26
## 2212	0.75	White	0	1	1	1	2	10000	11.401670	25
## 2213	1.00	White	0	1	0	1	3	10000	11.611122	39

## 2214	1.00	White	0	0	0	1	1	10000	11.611122	34
## 2215	1.00	White	0	0	0	1	2	10000	11.911708	60
## 2216	1.00	White	0	1	0	1	2	10000	11.911708	57
## 2217	0.00	White	0	0	0	1	2	10000	10.404293	57
## 2218	0.75	White	0	1	0	1	2	10000	10.404293	52
## 2219	1.00	White	0	1	0	1	6	10000	13.890619	43
## 2220	1.00	White	0	1	0	1	6	10000	13.890619	40
## 2221	0.50	White	0	0	0	1	3	10000	10.801146	55
## 2222	1.00	White	0	1	0	1	1	10000	10.801146	49
## 2223	0.75	White	0	0	0	1	5	10000	12.436319	53
## 2224	0.75	White	0	1	0	1	5	10000	12.436319	53
## 2225	0.75	White	0	0	1	1	5	10000	11.002133	57
## 2226	1.00	White	0	0	1	1	4	10000	11.002133	20
## 2227	0.25	Black	0	1	1	1	2	10000	11.260881	80
## 2228	0.50	Black	0	0	1	1	1	10000	11.260881	80
## 2229	0.50	Black	0	1	0	1	4	10000	11.804961	52
## 2230	0.50	Black	0	0	0	1	3	10000	11.804961	52
## 2231	0.50	Black	0	1	1	1	5	10000	11.804961	26
## 2232	0.50	Black	0	1	1	1	5	10000	11.804961	24
## 2233	0.75	White	0	0	0	1	5	10000	11.976376	51
## 2234	0.75	White	0	1	0	1	5	10000	11.976376	51
## 2235	0.50	White	0	0	0	1	2	10000	11.561725	46
## 2236	0.75	White	0	1	0	1	2	10000	11.561725	39
## 2237	0.25	White	0	1	0	1	2	10000	11.468294	40
## 2238	0.25	Black	0	0	0	1	3	10000	11.468294	38
## 2239	0.75	Black	0	0	0	1	1	10000	10.265314	73
## 2240	0.75	Black	0	1	0	1	1	10000	10.265314	71
## 2241	0.75	White	0	1	0	1	4	10000	11.127292	28
## 2242	1.00	White	0	0	0	1	2	10000	11.127292	30
## 2243	1.00	White	0	0	0	1	2	10000	11.127292	30
## 2244	0.50	White	0	0	0	1	2	10000	11.350795	36
## 2245	0.50	White	0	1	0	1	2	10000	11.350795	33
## 2246	1.00	White	0	1	1	1	3	10000	10.357806	32
## 2247	0.75	White	0	1	0	1	4	10000	11.790898	50
## 2248	0.75	White	0	0	0	1	3	10000	11.790898	49
## 2249	0.50	White	0	0	1	1	1	10000	11.790898	20
## 2250	0.75	White	0	1	0	1	2	10000	11.405908	30
## 2251	1.00	White	0	0	0	1	3	10000	11.405908	36
## 2252	0.50	White	0	0	0	1	3	10000	11.162531	53
## 2253	0.50	White	0	1	0	1	4	10000	11.162531	39
## 2254	0.50	White	0	1	1	1	2	10000	11.162531	19
## 2255	1.00	White	0	0	0	1	2	10000	12.160306	45
## 2256	1.00	White	0	1	0	1	6	10000	12.160306	36
## 2257	1.00	White	1	0	0	1	2	10000	11.745314	50
## 2258	1.00	White	1	1	0	1	6	10000	11.745314	34
## 2259	0.25	Black	0	1	1	1	2	10000	10.097449	60
## 2260	0.25	Black	0	1	1	1	1	10000	10.085476	49
## 2261	0.50	Black	0	0	0	1	4	10000	11.573559	56
## 2262	0.75	Other	0	1	0	1	3	10000	11.573559	57
## 2263	1.00	White	0	1	1	1	6	10000	11.157378	35
## 2264	0.75	White	0	0	0	1	6	10000	11.752045	38
## 2265	0.25	White	0	1	0	1	5	10000	11.752045	36
## 2266	0.50	White	0	0	0	1	5	10000	12.457590	67
## 2267	0.50	White	0	1	0	1	5	10000	12.457590	63

## 2268	1.00	White	0	0	0	1	6	10000	11.842272	50
## 2269	0.75	White	0	1	1	1	3	10000	11.632902	48
## 2270	0.25	White	0	0	1	1	4	10000	11.632902	46
## 2271	0.50	White	0	0	0	1	2	10000	11.002117	55
## 2272	0.50	White	0	1	0	1	6	10000	11.002117	53
## 2273	0.50	White	0	1	1	1	4	10000	11.018646	24
## 2274	1.00	Black	0	1	1	1	3	10000	11.060384	26
## 2275	0.50	Black	0	1	1	1	2	10000	11.060384	73
## 2276	0.75	White	0	1	0	1	2	10000	10.491302	31
## 2277	0.75	White	0	0	0	1	4	10000	10.491302	42
## 2278	0.75	White	0	1	1	1	5	10000	12.004281	85
## 2279	1.00	Black	0	1	1	1	3	10000	9.476773	39
## 2280	0.75	Black	0	1	1	1	3	10000	11.270344	85
## 2281	0.75	White	0	1	0	1	6	10000	12.285069	43
## 2282	0.75	White	0	0	0	1	3	10000	12.285069	47
## 2283	1.00	Black	0	1	1	1	5	10000	10.887287	43
## 2284	1.00	White	0	1	1	1	5	10000	11.241156	26
## 2285	0.25	Black	0	0	1	1	1	10000	10.216106	85
## 2286	0.25	Black	0	1	1	1	1	10000	10.077483	85
## 2287	1.00	White	0	0	1	1	5	10000	10.394977	72
## 2288	0.75	Black	0	1	1	1	3	10000	11.703554	23
## 2289	0.25	Black	0	1	1	1	3	10000	11.703554	22
## 2290	1.00	Black	0	0	1	1	2	10000	11.050906	38
## 2291	1.00	Black	0	1	1	1	2	10000	11.050906	34
## 2292	0.75	Asian	0	0	0	1	1	10000	11.407920	50
## 2293	0.75	Asian	0	1	0	1	3	10000	11.407920	44
## 2294	0.75	Asian	0	1	1	1	3	10000	11.407920	18
## 2295	0.50	Black	0	1	0	1	1	10000	11.006440	68
## 2296	0.25	Black	0	0	0	1	1	10000	11.006440	71
## 2297	0.50	Black	0	0	1	1	2	10000	11.006440	37
## 2298	0.50	Black	0	0	1	1	1	10000	11.006440	32
## 2299	0.50	Black	0	1	1	1	2	10000	11.006440	20
## 2300	0.75	White	1	0	0	1	5	10000	12.228621	45
## 2301	1.00	White	0	1	0	1	6	10000	12.228621	49
## 2302	1.00	White	0	1	1	1	3	10000	12.228621	18
## 2303	0.75	White	0	1	0	1	2	10000	11.617303	64
## 2304	0.75	White	0	0	0	1	2	10000	11.617303	63
## 2305	1.00	Black	0	1	1	1	3	10000	10.778977	31
## 2306	0.25	Black	0	0	0	1	2	10000	10.941677	67
## 2307	0.50	Black	0	1	0	1	2	10000	10.941677	63
## 2308	0.50	Black	0	1	1	1	2	10000	10.616878	39
## 2309	0.75	Black	0	0	1	1	3	10000	10.616878	19
## 2310	0.75	White	0	0	0	1	5	10000	12.254891	29
## 2311	0.75	White	0	1	0	1	5	10000	12.254891	54
## 2312	1.00	White	0	1	0	1	5	10000	12.788291	45
## 2313	1.00	White	0	0	0	1	6	10000	12.788291	63
## 2314	1.00	White	0	1	1	1	4	10000	11.050906	30
## 2315	0.00	Black	0	1	1	1	1	10000	9.698982	56
## 2316	0.00	Black	0	0	1	1	2	10000	10.670257	37
## 2317	1.00	Black	0	1	1	1	2	10000	11.018646	62
## 2318	1.00	Black	0	1	1	1	2	10000	11.018646	20
## 2319	0.25	Black	0	1	1	1	1	10000	9.486532	26
## 2320	0.50	Black	0	1	1	1	2	10000	9.472782	20
## 2321	1.00	White	0	1	1	1	5	10000	11.050906	24

## 2322	0.25	White	0	1	0	1	2	10000	12.084972	85
## 2323	0.25	White	0	0	0	1	6	10000	12.084972	85
## 2324	0.75	White	0	1	1	1	3	10000	12.084972	20
## 2325	0.75	White	0	1	1	1	3	10000	12.084972	20
## 2326	0.25	White	0	1	0	1	2	10000	12.409022	61
## 2327	0.75	White	0	0	0	1	6	10000	12.409022	57
## 2328	1.00	White	0	1	0	1	5	10000	12.373319	29
## 2329	1.00	White	0	0	0	1	5	10000	12.373319	32
## 2330	1.00	White	1	0	0	1	2	10000	10.778977	41
## 2331	1.00	White	1	1	0	1	2	10000	10.778977	36
## 2332	0.75	Black	0	0	1	1	2	10000	10.457401	63
## 2333	1.00	Black	0	1	0	1	3	10000	11.338584	47
## 2334	1.00	Black	0	0	0	1	2	10000	11.338584	53
## 2335	1.00	White	0	0	1	1	5	10000	11.127542	25
## 2336	0.50	Black	0	0	1	1	3	10000	10.491302	37
## 2337	1.00	White	0	0	1	1	5	10000	11.492733	47
## 2338	0.50	White	0	0	0	1	5	10000	11.079863	35
## 2339	0.50	White	0	1	0	1	5	10000	11.079863	29
## 2340	1.00	Black	0	1	1	1	2	10000	9.888425	25
## 2341	0.75	White	0	1	1	1	5	10000	11.475348	58
## 2342	0.75	White	0	1	1	1	5	10000	11.475348	56
## 2343	0.25	Black	0	1	0	1	2	10000	10.668979	51
## 2344	1.00	Black	0	0	0	1	2	10000	10.668979	51
## 2345	1.00	White	0	1	0	1	6	10000	11.904974	40
## 2346	1.00	White	0	0	0	1	5	10000	11.904974	41
## 2347	1.00	Black	0	1	1	1	2	10000	11.018646	61
## 2348	0.00	White	0	1	0	1	2	10000	10.436202	73
## 2349	0.25	White	0	0	0	1	2	10000	10.436202	77
## 2350	0.25	Black	0	0	1	1	2	10000	10.402200	68
## 2351	0.50	Black	0	1	1	1	3	10000	10.463132	42
## 2352	0.50	Black	0	0	1	1	1	10000	10.463132	18
## 2353	1.00	Black	0	0	1	1	2	10000	10.933125	26
## 2354	1.00	Black	0	1	1	1	2	10000	10.863451	35
## 2355	0.25	Black	0	0	1	1	4	10000	10.208211	68
## 2356	0.50	White	0	0	1	1	1	10000	10.349487	48
## 2357	1.00	White	1	0	0	1	6	10000	12.371591	26
## 2358	1.00	White	0	1	0	1	3	10000	12.371591	24
## 2359	0.75	White	0	1	0	1	5	10000	11.902986	37
## 2360	0.75	White	1	0	0	1	5	10000	11.902986	30
## 2361	0.75	White	1	0	1	1	5	10000	11.759879	32
## 2362	0.75	White	0	1	1	1	6	10000	11.759879	30
## 2363	1.00	White	1	0	0	1	2	10000	10.491302	37
## 2364	1.00	White	1	1	0	1	2	10000	10.491302	32
## 2365	1.00	White	1	0	1	1	4	10000	11.202016	21
## 2366	1.00	White	1	1	1	1	2	10000	11.202016	19
## 2367	0.50	White	1	1	0	1	1	10000	10.126671	30
## 2368	0.50	White	1	0	0	1	1	10000	10.126671	36
## 2369	0.25	Black	0	0	1	1	3	10000	10.943146	85
## 2370	0.00	Black	0	0	1	1	2	10000	10.032101	37
## 2371	0.50	Black	0	1	1	1	5	10000	10.697068	25
## 2372	1.00	Black	0	1	1	1	5	10000	11.228770	28
## 2373	0.50	Black	0	1	0	1	6	10000	11.793152	41
## 2374	0.50	Black	0	0	0	1	6	10000	11.793152	39
## 2375	0.50	Black	0	0	1	1	2	10000	9.966040	59

## 2376	0.25	Black	0	0	0	1	2	10000	9.966040	85
## 2377	0.25	Black	0	1	0	1	2	10000	9.966040	85
## 2378	0.25	Black	0	1	1	1	2	10000	9.595671	25
## 2379	0.25	Black	0	0	1	1	2	10000	11.273055	85
## 2380	0.75	Black	0	0	0	1	2	10000	10.863623	80
## 2381	0.50	Other	0	1	1	1	4	10000	9.472782	58
## 2382	0.75	White	0	0	0	1	4	10000	12.081880	35
## 2383	0.75	White	0	1	0	1	5	10000	12.081880	36
## 2384	0.50	Black	0	1	0	1	3	10000	10.668979	28
## 2385	0.50	Black	0	0	0	1	3	10000	10.668979	28
## 2386	0.75	Other	0	0	1	1	3	10000	10.404293	41
## 2387	0.50	Black	0	1	1	1	4	10000	10.545368	26
## 2388	0.75	Black	0	1	1	1	5	10000	9.837401	34
## 2389	0.75	Black	0	1	1	1	6	10000	11.671629	53
## 2390	0.75	Black	0	1	0	1	2	10000	11.170872	74
## 2391	0.75	Black	0	0	0	1	2	10000	11.170872	73
## 2392	0.75	Black	0	0	1	1	3	10000	11.170872	29
## 2393	0.50	Black	0	1	1	1	6	10000	10.821956	67
## 2394	0.75	Black	0	1	1	1	2	10000	10.821956	38
## 2395	1.00	Black	0	0	0	1	2	10000	11.440366	69
## 2396	0.75	Black	0	1	0	1	4	10000	11.440366	58
## 2397	0.50	Black	0	0	1	1	1	10000	11.440366	33
## 2398	0.50	Black	0	1	1	1	3	10000	10.085851	61
## 2399	0.50	Black	0	0	1	1	1	10000	10.085851	31
## 2400	0.25	White	0	0	1	1	2	10000	9.852247	59
## 2401	0.00	White	0	1	1	1	1	10000	9.852247	54
## 2402	0.50	White	0	1	1	1	1	10000	9.852247	34
## 2403	0.75	Black	0	0	1	1	2	10000	10.971658	66
## 2404	0.75	Black	0	1	1	1	3	10000	10.668979	68
## 2405	0.00	Black	0	1	1	1	1	10000	10.288069	80
## 2406	0.00	Black	0	1	1	1	2	10000	10.040986	74
## 2407	0.75	White	0	1	0	1	5	10000	11.542494	28
## 2408	0.75	White	0	0	0	1	4	10000	11.542494	30
## 2409	0.00	Black	0	0	1	1	2	10000	11.248374	69
## 2410	0.75	Black	0	0	1	1	5	10000	11.727997	64
## 2411	0.50	Black	0	1	0	1	4	10000	10.787028	68
## 2412	0.50	Black	0	0	0	1	3	10000	10.787028	67
## 2413	0.50	White	0	0	0	1	1	10000	10.596660	62
## 2414	0.50	White	0	1	0	1	1	10000	10.596660	59
## 2415	0.50	White	0	1	1	1	3	10000	11.209128	60
## 2416	0.50	White	0	0	1	1	3	10000	11.209128	34
## 2417	0.25	White	0	0	1	1	6	10000	11.003782	72
## 2418	0.25	White	0	0	0	1	1	10000	9.579625	69
## 2419	0.25	White	0	1	0	1	1	10000	9.579625	67
## 2420	0.25	Black	0	1	0	1	1	10000	10.583043	80
## 2421	1.00	White	0	0	0	1	6	10000	10.734264	70
## 2422	1.00	White	0	1	0	1	2	10000	10.734264	69
## 2423	1.00	White	0	0	1	1	4	10000	10.734264	33
## 2424	0.00	Black	0	1	1	1	6	10000	9.517899	76
## 2425	0.75	White	0	1	0	1	2	10000	11.767575	55
## 2426	0.75	White	0	0	0	1	2	10000	11.767575	60
## 2427	0.50	Black	0	1	1	1	3	10000	11.492753	28
## 2428	0.50	Black	0	0	1	1	3	10000	11.492753	30
## 2429	0.25	Black	0	0	0	1	3	10000	11.127278	47

## 2430	0.25	Black	0	1	0	1	5	10000	11.127278	39
## 2431	0.75	White	0	1	0	1	2	10000	11.518261	31
## 2432	0.75	Black	0	0	0	1	2	10000	11.518261	38
## 2433	0.75	White	0	0	0	1	2	10000	11.277216	29
## 2434	0.75	White	0	1	0	1	2	10000	11.277216	28
## 2435	0.50	White	0	0	0	1	3	10000	11.776328	24
## 2436	0.50	White	0	1	0	1	3	10000	11.776328	26
## 2437	0.75	White	0	0	0	1	3	10000	11.970357	43
## 2438	0.75	White	1	1	0	1	3	10000	11.970357	42
## 2439	0.75	White	0	0	1	1	1	10000	11.970357	18
## 2440	0.75	White	0	0	1	1	1	10000	11.970357	18
## 2441	0.50	Black	0	1	1	1	4	10000	10.491302	45
## 2442	0.50	White	0	1	0	1	3	10000	10.036663	59
## 2443	0.25	White	0	0	0	1	2	10000	10.036663	62
## 2444	1.00	White	0	1	1	1	3	10000	9.632204	64
## 2445	0.75	White	0	1	1	1	3	10000	11.002117	59
## 2446	0.75	White	0	0	1	1	1	10000	11.002117	69
## 2447	0.00	White	0	1	0	1	3	10000	12.046403	46
## 2448	0.75	White	0	0	0	1	5	10000	12.046403	52
## 2449	0.75	White	0	0	1	1	3	10000	12.046403	21
## 2450	0.25	White	0	1	0	1	1	10000	10.767643	73
## 2451	0.00	White	0	0	0	1	1	10000	10.767643	70
## 2452	1.00	Black	0	0	1	1	2	10000	10.275086	43
## 2453	1.00	Black	0	0	1	1	2	10000	10.275086	43
## 2454	0.75	Black	0	1	1	1	3	10000	11.295279	56
## 2455	0.50	Black	0	0	1	1	3	10000	11.295279	64
## 2456	1.00	White	0	0	1	1	2	10000	10.334068	63
## 2457	1.00	White	0	1	1	1	6	10000	10.649654	63
## 2458	0.50	White	0	0	0	1	5	10000	10.261197	59
## 2459	0.50	White	0	1	0	1	2	10000	10.261197	50
## 2460	0.75	White	0	1	1	1	5	10000	11.445342	71
## 2461	0.25	White	0	0	0	1	2	10000	11.445342	57
## 2462	0.75	White	0	1	0	1	2	10000	11.445342	54
## 2463	1.00	White	0	0	0	1	1	10000	10.528998	80
## 2464	0.25	White	0	1	0	1	1	10000	10.528998	80
## 2465	0.50	Black	0	1	0	1	1	10000	9.480444	63
## 2466	0.50	Black	0	0	0	1	1	10000	9.480444	54
## 2467	0.25	Black	0	0	1	1	1	10000	10.424541	40
## 2468	0.50	Black	0	1	1	1	1	10000	10.424541	47
## 2469	0.75	White	0	0	0	1	4	10000	10.985310	28
## 2470	0.75	White	0	1	0	1	3	10000	10.985310	26
## 2471	0.50	White	0	1	0	1	2	10000	9.472782	32
## 2472	0.25	White	0	0	0	1	2	10000	9.472782	39
## 2473	1.00	White	0	1	0	1	6	10000	11.565527	28
## 2474	1.00	White	0	0	0	1	6	10000	11.565527	30
## 2475	0.50	White	0	0	1	1	5	10000	10.878066	44
## 2476	0.50	Black	0	1	1	1	2	10000	10.878066	24
## 2477	0.75	White	0	0	0	1	2	10000	10.698966	75
## 2478	0.50	White	0	1	0	1	2	10000	10.698966	71
## 2479	0.75	White	0	0	0	1	5	10000	10.929780	85
## 2480	0.50	White	0	1	0	1	6	10000	10.929780	85
## 2481	0.25	White	0	1	0	1	2	10000	11.639690	46
## 2482	0.25	White	0	0	0	1	2	10000	11.639690	49
## 2483	0.25	White	0	0	0	1	2	10000	11.639690	49

## 2484	0.50	White	0	1	1	1	1	10000	11.639690	18
## 2485	0.75	Black	0	0	0	1	1	10000	11.418626	48
## 2486	0.75	Black	0	1	0	1	5	10000	11.418626	42
## 2487	0.75	Black	0	1	1	1	1	10000	11.418626	18
## 2488	0.75	Black	0	0	0	1	3	10000	11.662775	64
## 2489	0.75	Black	0	1	0	1	2	10000	11.662775	60
## 2490	0.50	Black	0	1	1	1	2	10000	10.606610	20
## 2491	1.00	Black	0	1	1	1	4	10000	10.606610	38
## 2492	0.50	Black	0	1	1	1	5	10000	11.124391	66
## 2493	0.25	Black	0	1	1	1	2	10000	10.943040	38
## 2494	1.00	Black	0	1	1	1	2	10000	10.943040	20
## 2495	0.50	Black	0	0	1	1	1	10000	10.943040	18
## 2496	0.50	Black	0	1	1	1	2	10000	10.778977	61
## 2497	0.50	Black	0	1	0	1	5	10000	11.018662	49
## 2498	0.00	Black	0	1	1	1	5	10000	10.777559	68
## 2499	0.75	White	0	0	0	1	5	10000	11.970357	46
## 2500	0.75	White	0	1	0	1	5	10000	11.970357	47
## 2501	0.75	White	0	1	1	1	1	10000	11.970357	18
## 2502	0.25	Black	0	0	1	1	2	10000	11.208111	48
## 2503	0.50	Black	0	0	1	1	2	10000	11.208111	19
## 2504	0.50	White	0	1	1	1	2	10000	10.463132	75
## 2505	1.00	White	0	1	1	1	2	10000	11.312631	57
## 2506	1.00	White	1	1	1	1	2	10000	11.312631	31
## 2507	0.50	White	1	0	1	1	1	10000	11.312631	28
## 2508	0.50	White	1	0	1	1	1	10000	11.312631	28
## 2509	0.50	White	1	1	1	1	3	10000	11.312631	28
## 2510	0.50	White	1	1	1	1	3	10000	11.312631	28
## 2511	1.00	Black	0	1	1	1	3	10000	11.185213	60
## 2512	0.50	Black	0	0	1	1	2	10000	11.185213	29
## 2513	0.50	Black	0	1	1	1	6	10000	10.799596	42
## 2514	0.00	White	0	1	1	1	2	10000	9.474779	80
## 2515	0.00	Black	0	1	1	1	5	10000	10.367001	69
## 2516	0.75	Asian	0	0	0	1	5	10000	12.220040	43
## 2517	0.75	Asian	0	1	0	1	6	10000	12.220040	41
## 2518	0.75	Asian	0	0	0	1	5	10000	12.432160	43
## 2519	0.75	Asian	0	1	0	1	6	10000	12.432160	41
## 2520	0.50	Black	0	1	1	1	3	10000	11.129804	35
## 2521	0.50	Black	0	1	1	1	5	10000	10.691968	22
## 2522	0.75	Black	0	1	1	1	4	10000	11.156408	38
## 2523	0.25	Black	0	1	1	1	5	10000	10.729657	75
## 2524	0.75	Black	0	1	1	1	2	10000	11.353191	76
## 2525	0.50	Black	0	0	1	1	2	10000	11.353191	49
## 2526	0.50	Black	0	0	1	1	2	10000	11.353191	33
## 2527	0.75	Black	0	0	0	1	2	10000	10.839601	27
## 2528	0.75	Black	0	1	0	1	2	10000	10.839601	26
## 2529	1.00	White	0	0	0	1	6	10000	11.605514	36
## 2530	1.00	White	0	1	0	1	4	10000	11.605514	30
## 2531	0.50	Black	0	1	1	1	5	10000	11.179590	66
## 2532	0.50	Black	0	1	1	1	2	10000	11.386693	46
## 2533	0.75	White	0	1	0	0	5	10000	11.768428	39
## 2534	0.75	White	0	0	0	0	5	10000	11.736277	56
## 2535	0.75	White	0	1	0	0	5	10000	11.736277	52
## 2536	0.75	White	0	1	1	0	5	10000	11.736277	32
## 2537	1.00	White	0	0	1	0	3	10000	10.770231	26

## 2538	1.00	White	0	1	1	0	2	10000	10.770231	23
## 2539	1.00	White	0	0	1	0	5	10000	12.821220	36
## 2540	1.00	White	0	1	1	0	2	10000	12.821220	32
## 2541	0.50	White	0	1	1	0	5	10000	11.552636	32
## 2542	0.50	White	0	1	0	0	5	10000	11.552636	59
## 2543	0.75	White	0	0	0	0	4	10000	11.552636	53
## 2544	0.50	White	0	0	0	0	3	10000	11.755636	48
## 2545	0.50	White	0	1	0	0	4	10000	11.755636	48
## 2546	0.75	White	0	1	1	0	1	10000	11.755636	18
## 2547	1.00	White	0	0	0	0	5	10000	11.461443	31
## 2548	1.00	White	0	1	0	0	2	10000	11.461443	27
## 2549	0.25	White	0	0	0	0	2	10000	10.667000	78
## 2550	0.50	White	0	1	0	0	2	10000	10.667000	73
## 2551	0.50	White	0	0	1	0	2	10000	9.839536	29
## 2552	0.50	White	0	0	0	0	3	10000	11.096561	64
## 2553	0.50	White	0	1	0	0	3	10000	11.096561	61
## 2554	0.75	White	0	1	1	0	4	10000	12.041157	41
## 2555	0.75	Black	0	0	1	0	4	10000	12.041157	37
## 2556	0.50	White	0	0	1	0	5	10000	10.126671	40
## 2557	0.75	White	0	1	1	0	4	10000	11.731032	27
## 2558	0.75	White	0	1	1	0	4	10000	11.731032	27
## 2559	0.75	White	0	0	1	0	4	10000	11.731032	28
## 2560	0.75	Other	0	0	0	0	3	10000	11.763700	59
## 2561	0.75	White	0	1	0	0	5	10000	11.763700	61
## 2562	0.50	Other	0	1	1	0	5	10000	11.763700	29
## 2563	0.75	White	0	0	0	0	3	10000	11.617421	48
## 2564	0.75	White	0	1	0	0	2	10000	11.617421	47
## 2565	1.00	White	0	0	1	0	3	10000	11.617421	25
## 2566	0.25	White	0	0	0	0	3	10000	11.314487	68
## 2567	0.25	White	0	1	0	0	4	10000	11.314487	69
## 2568	1.00	White	0	1	1	0	6	10000	11.210739	80
## 2569	0.75	White	0	0	1	0	4	10000	11.210739	55
## 2570	0.50	White	0	0	0	0	2	10000	11.715858	56
## 2571	0.50	White	0	1	0	0	2	10000	11.715858	56
## 2572	0.50	White	0	1	1	0	3	10000	11.715858	24
## 2573	1.00	White	0	1	1	0	2	10000	10.518700	34
## 2574	0.00	Black	0	1	1	0	5	10000	10.001567	40
## 2575	0.75	White	0	0	0	0	4	10000	11.577551	71
## 2576	0.75	White	0	1	0	0	1	10000	11.577551	70
## 2577	0.50	White	0	0	0	0	3	10000	10.929744	77
## 2578	0.50	White	0	1	0	0	4	10000	10.929744	72
## 2579	0.75	Black	0	0	0	0	6	10000	11.127381	41
## 2580	0.25	White	0	1	1	0	6	10000	11.636452	37
## 2581	0.50	White	0	1	1	0	6	10000	11.636452	30
## 2582	0.00	Black	0	1	1	0	1	10000	11.649474	78
## 2583	0.50	Black	0	1	1	0	5	10000	11.649474	54
## 2584	0.50	White	0	1	1	0	2	10000	10.878066	20
## 2585	0.50	White	0	1	0	0	2	10000	10.878066	45
## 2586	0.50	White	0	0	0	0	2	10000	10.878066	44
## 2587	0.50	White	0	0	0	0	2	10000	10.878066	44
## 2588	0.75	Asian	0	0	0	0	2	10000	11.893100	48
## 2589	0.75	Asian	0	1	0	0	2	10000	11.893100	50
## 2590	1.00	Asian	0	1	1	0	5	10000	11.893100	24
## 2591	1.00	Asian	0	1	1	0	3	10000	11.893100	19

## 2592	1.00	Asian	0	1	1	0	3	10000	11.893100	19
## 2593	0.00	White	0	1	0	0	2	10000	10.828381	27
## 2594	0.50	White	0	0	0	0	3	10000	10.828381	28
## 2595	0.25	White	0	1	0	0	2	10000	9.473935	56
## 2596	0.50	White	0	0	1	0	2	10000	9.473935	21
## 2597	0.75	Black	0	0	0	0	5	10000	11.783250	51
## 2598	0.75	Black	1	1	0	0	4	10000	11.783250	55
## 2599	0.25	White	1	1	1	0	1	10000	11.783250	80
## 2600	0.25	Other	1	0	1	0	1	10000	11.041272	45
## 2601	1.00	Other	1	0	1	0	1	10000	11.041272	50
## 2602	1.00	Other	1	0	1	0	1	10000	11.041272	32
## 2603	0.50	Other	1	0	1	0	1	10000	11.041272	24
## 2604	0.50	Other	1	1	1	0	1	10000	11.041272	18
## 2605	1.00	White	1	1	0	0	3	10000	11.816749	42
## 2606	1.00	White	1	1	0	0	3	10000	11.816749	42
## 2607	1.00	White	0	0	0	0	4	10000	11.816749	52
## 2608	0.75	White	1	0	1	0	4	10000	11.456556	45
## 2609	0.75	White	0	1	1	0	2	10000	11.456556	34
## 2610	0.75	Other	1	0	0	0	5	10000	11.271147	55
## 2611	0.00	Other	1	1	0	0	1	10000	11.271147	51
## 2612	0.50	Other	1	0	1	0	3	10000	11.271147	29
## 2613	0.75	Other	0	1	1	0	2	10000	9.770013	30
## 2614	0.25	White	0	1	1	1	3	10000	10.285650	58
## 2615	0.25	White	0	0	0	1	4	10000	10.353001	72
## 2616	0.25	White	0	1	0	1	2	10000	10.353001	65
## 2617	0.50	White	0	1	0	1	4	10000	11.181055	67
## 2618	0.50	White	0	0	0	1	2	10000	11.181055	68
## 2619	0.00	White	0	1	0	1	2	10000	10.893270	22
## 2620	0.50	White	0	0	0	1	2	10000	10.893270	24
## 2621	0.75	Black	0	0	1	1	1	10000	10.078449	68
## 2622	0.25	White	0	0	1	1	2	10000	10.669211	55
## 2623	0.25	White	0	0	1	1	3	10000	11.821880	85
## 2624	0.25	White	0	0	1	1	4	10000	11.821880	68
## 2625	0.00	Black	0	0	1	1	1	10000	10.134282	66
## 2626	0.50	Black	0	0	0	1	4	10000	11.523301	59
## 2627	0.75	Black	0	1	0	1	4	10000	11.523301	56
## 2628	0.75	White	0	0	1	1	6	10000	11.519563	34
## 2629	0.75	White	0	1	1	1	5	10000	11.519563	24
## 2630	0.75	White	0	1	0	1	5	10000	11.947438	48
## 2631	0.75	White	0	0	0	1	5	10000	11.947438	49
## 2632	0.50	White	0	1	0	1	3	10000	12.018254	36
## 2633	0.50	White	0	0	0	1	3	10000	12.018254	46
## 2634	1.00	White	0	1	1	1	2	10000	12.018254	24
## 2635	1.00	Black	0	1	0	1	2	10000	10.708109	62
## 2636	1.00	Black	0	0	0	1	1	10000	10.708109	60
## 2637	0.25	Black	0	1	1	1	2	10000	10.518700	46
## 2638	0.00	White	0	0	1	1	2	10000	10.185390	38
## 2639	0.25	White	0	1	1	1	4	10000	11.695047	22
## 2640	1.00	White	0	0	1	1	2	10000	11.695047	30
## 2641	0.50	White	0	0	1	1	4	10000	11.695047	27
## 2642	0.75	White	0	1	1	1	4	10000	11.006225	56
## 2643	0.75	White	0	1	1	1	4	10000	11.006225	56
## 2644	0.75	Black	0	0	0	1	2	10000	11.768892	40
## 2645	0.75	Black	0	1	0	1	6	10000	11.768892	39

## 2646	0.50	White	0	0	1	1	2	10000	10.725863	59
## 2647	0.50	White	0	0	0	1	3	10000	11.559475	48
## 2648	0.50	White	0	1	0	1	3	10000	11.559475	47
## 2649	0.50	White	0	1	0	1	5	10000	11.311348	77
## 2650	0.50	White	0	0	0	1	5	10000	11.311348	75
## 2651	1.00	White	0	0	0	1	2	10000	12.206453	55
## 2652	1.00	White	0	1	0	1	4	10000	12.206453	59
## 2653	0.25	White	0	1	0	1	6	10000	11.870607	56
## 2654	0.50	White	0	1	1	1	2	10000	10.177628	65
## 2655	0.50	White	0	1	1	1	2	10000	11.203693	75
## 2656	0.50	White	0	1	1	1	2	10000	11.203693	50
## 2657	0.75	White	0	1	1	1	5	10000	11.203693	46
## 2658	0.50	White	0	0	0	1	4	10000	11.661302	36
## 2659	0.75	White	0	1	0	1	4	10000	11.661302	36
## 2660	0.50	White	0	0	0	1	2	10000	10.950842	73
## 2661	0.75	White	0	1	0	1	2	10000	10.950842	60
## 2662	1.00	White	0	0	1	1	2	10000	11.302340	52
## 2663	1.00	White	0	1	1	1	2	10000	11.302340	46
## 2664	0.75	White	0	0	1	1	2	10000	11.556952	43
## 2665	0.75	White	0	1	0	1	4	10000	11.523084	42
## 2666	0.75	White	0	0	0	1	3	10000	11.523084	50
## 2667	0.75	White	0	1	0	1	4	10000	11.767893	56
## 2668	0.50	White	0	0	0	1	4	10000	11.767893	59
## 2669	1.00	White	0	1	1	1	3	10000	11.767893	25
## 2670	1.00	White	0	0	1	1	3	10000	11.767893	22
## 2671	0.50	White	0	1	1	1	4	10000	11.006225	56
## 2672	0.50	White	0	1	1	1	4	10000	11.006225	56
## 2673	0.75	White	0	1	0	1	2	10000	10.870224	77
## 2674	0.25	White	0	0	0	1	5	10000	10.870224	78
## 2675	1.00	White	0	1	1	1	5	10000	11.801302	41
## 2676	0.75	Asian	0	1	0	1	5	10000	11.688063	36
## 2677	0.75	White	0	0	0	1	3	10000	11.688063	32
## 2678	0.50	White	0	0	1	1	3	10000	10.453370	68
## 2679	0.75	White	0	1	1	1	4	10000	10.770504	45
## 2680	0.75	White	0	0	1	1	2	10000	10.770504	25
## 2681	0.50	White	0	1	1	1	2	10000	10.770504	22
## 2682	0.50	White	1	1	1	1	2	10000	11.477402	24
## 2683	0.50	White	1	0	1	1	2	10000	11.477402	20
## 2684	0.25	White	1	0	0	1	4	10000	11.477402	46
## 2685	0.25	White	1	1	0	1	5	10000	11.477402	45
## 2686	0.75	White	0	0	0	1	4	10000	11.104371	50
## 2687	0.75	White	0	1	0	1	4	10000	11.104371	47
## 2688	1.00	White	0	0	0	1	5	10000	10.802775	27
## 2689	1.00	White	0	1	0	1	5	10000	10.802775	28
## 2690	0.75	White	0	1	0	1	2	10000	11.561820	34
## 2691	0.75	White	0	0	0	1	6	10000	11.561820	43
## 2692	1.00	White	0	1	0	1	5	10000	11.330480	40
## 2693	1.00	White	0	0	0	1	5	10000	11.330480	41
## 2694	0.50	White	0	0	1	1	5	10000	10.447264	80
## 2695	0.75	White	0	0	0	1	5	10000	11.972734	60
## 2696	0.75	White	0	1	0	1	5	10000	11.972734	57
## 2697	0.75	White	0	1	1	1	3	10000	11.972734	21
## 2698	0.50	White	0	0	0	1	5	10000	10.993782	69
## 2699	0.50	White	0	1	0	1	2	10000	10.993782	63

## 2700	0.75	White	0	0	1	1	3	10000	11.835023	27
## 2701	0.50	White	0	0	1	1	2	10000	11.835023	29
## 2702	0.50	White	0	0	1	1	2	10000	11.835023	27
## 2703	1.00	Black	0	1	0	1	3	10000	10.796530	39
## 2704	1.00	Black	0	0	0	1	5	10000	10.796530	39
## 2705	1.00	White	0	0	1	1	2	10000	11.118415	47
## 2706	1.00	White	0	0	1	1	2	10000	11.118415	18
## 2707	0.25	White	0	1	1	1	5	10000	11.118415	48
## 2708	0.00	Black	0	1	1	1	2	10000	10.249380	54
## 2709	1.00	White	0	0	0	1	5	10000	11.594515	25
## 2710	1.00	White	0	1	0	1	5	10000	11.594515	21
## 2711	0.50	Black	0	1	1	1	2	10000	10.199770	80
## 2712	1.00	White	0	0	0	1	6	10000	10.915125	39
## 2713	1.00	White	0	0	0	1	6	10000	10.915125	39
## 2714	0.50	White	0	1	0	1	6	10000	10.915125	38
## 2715	0.50	White	1	1	1	1	6	10000	11.339179	79
## 2716	0.50	White	0	1	1	1	3	10000	11.020284	64
## 2717	0.50	White	0	1	1	1	3	10000	11.020284	63
## 2718	0.75	White	0	0	0	1	5	10000	11.539275	69
## 2719	0.50	White	0	1	0	1	3	10000	11.539275	66
## 2720	0.75	White	0	1	0	1	4	10000	11.697835	63
## 2721	0.75	White	0	1	0	1	4	10000	11.697835	63
## 2722	0.75	White	0	0	1	1	5	10000	11.875734	68
## 2723	1.00	White	0	0	1	1	6	10000	11.875734	55
## 2724	0.75	White	0	1	1	1	5	10000	11.979849	26
## 2725	0.75	White	0	0	1	1	5	10000	11.979849	28
## 2726	0.75	White	0	0	1	1	5	10000	11.979849	28
## 2727	0.75	White	0	0	1	1	4	10000	11.332853	31
## 2728	1.00	White	0	1	0	1	2	10000	11.496379	56
## 2729	1.00	White	0	0	0	1	3	10000	11.496379	61
## 2730	0.50	White	0	1	1	1	2	10000	10.793455	54
## 2731	1.00	White	0	1	0	1	2	10000	10.793455	25
## 2732	1.00	White	0	0	0	1	2	10000	10.793455	27
## 2733	0.75	White	0	0	1	1	2	10000	10.985310	19
## 2734	0.75	White	0	0	1	1	2	10000	10.985310	21
## 2735	0.25	White	0	1	0	1	1	10000	10.907936	60
## 2736	0.25	White	0	0	0	1	1	10000	10.907936	62
## 2737	0.00	White	0	1	1	1	1	10000	10.907936	85
## 2738	0.50	White	0	0	1	1	3	10000	10.860901	63
## 2739	0.25	White	0	0	0	1	3	10000	11.312631	73
## 2740	0.75	White	0	1	0	1	5	10000	11.787081	38
## 2741	1.00	White	0	0	1	1	3	10000	11.787081	18
## 2742	0.75	White	0	1	1	1	3	10000	10.691968	33
## 2743	0.75	White	0	1	1	1	6	10000	10.691968	68
## 2744	0.75	White	0	0	0	1	5	10000	11.289919	49
## 2745	0.75	White	0	0	0	1	5	10000	11.289919	49
## 2746	0.75	White	0	1	0	1	6	10000	11.289919	49
## 2747	0.25	Black	0	1	1	1	3	10000	10.235701	63
## 2748	0.50	Black	0	1	1	1	2	10000	10.461988	58
## 2749	0.50	Black	0	1	1	1	2	10000	10.461988	37
## 2750	0.25	Black	0	0	1	1	3	10000	10.261197	58
## 2751	0.50	Other	0	0	0	1	3	10000	11.238502	52
## 2752	0.50	White	0	1	0	1	3	10000	11.238502	49
## 2753	0.25	Black	0	1	0	1	4	10000	9.472782	63

## 2754	0.25	Black	0	0	0	1	2	10000	9.472782	57
## 2755	0.00	Black	0	0	0	1	2	10000	10.474495	58
## 2756	0.00	Black	0	1	0	1	3	10000	10.474495	59
## 2757	0.50	Black	0	1	0	1	2	10000	10.909272	71
## 2758	0.50	Black	0	0	0	1	2	10000	10.909272	73
## 2759	0.50	Asian	0	0	1	1	2	10000	9.472782	21
## 2760	0.50	Black	0	0	1	1	1	10000	10.972688	28
## 2761	1.00	White	0	1	0	1	4	10000	10.915107	28
## 2762	1.00	White	0	0	0	1	4	10000	10.915107	27
## 2763	0.75	White	0	0	0	1	4	10000	11.314682	46
## 2764	0.75	White	0	1	0	1	4	10000	11.314682	47
## 2765	1.00	White	0	0	1	1	3	10000	11.082158	24
## 2766	0.75	White	0	0	0	1	3	10000	11.082158	47
## 2767	0.75	White	0	1	0	1	3	10000	11.082158	46
## 2768	0.75	White	0	1	0	1	3	10000	11.257788	25
## 2769	0.75	White	0	0	0	1	3	10000	11.257788	26
## 2770	0.50	Black	0	0	1	1	5	10000	10.373522	24
## 2771	0.75	Black	0	1	1	1	5	10000	10.799596	37
## 2772	1.00	White	0	1	0	1	6	10000	12.375820	35
## 2773	0.75	White	0	0	0	1	2	10000	12.375820	38
## 2774	0.75	White	0	1	0	1	3	10000	10.900455	20
## 2775	0.75	White	0	0	0	1	3	10000	10.900455	21
## 2776	0.50	White	0	1	1	1	6	10000	10.601647	32
## 2777	0.50	White	0	1	1	1	2	10000	10.418614	72
## 2778	0.75	White	0	0	0	1	1	10000	11.440376	26
## 2779	0.75	White	0	1	0	1	2	10000	11.440376	23
## 2780	0.75	White	0	1	1	1	3	10000	11.002117	34
## 2781	0.00	White	0	1	0	1	2	10000	11.136878	53
## 2782	0.50	White	0	0	0	1	1	10000	11.136878	46
## 2783	0.50	White	0	0	0	1	5	10000	11.857848	41
## 2784	0.50	White	0	1	0	1	3	10000	11.857848	40
## 2785	1.00	White	0	0	1	1	2	10000	11.199105	60
## 2786	1.00	White	0	1	1	1	2	10000	11.199105	36
## 2787	1.00	White	0	1	1	1	2	10000	11.199105	30
## 2788	1.00	White	0	1	0	1	2	10000	12.328998	49
## 2789	1.00	White	0	0	0	1	4	10000	12.328998	52
## 2790	1.00	White	0	0	1	1	5	10000	12.328998	24
## 2791	1.00	White	0	1	1	1	5	10000	12.328998	24
## 2792	0.25	White	0	1	0	1	6	10000	11.695555	76
## 2793	0.50	White	0	0	0	1	2	10000	11.695555	61
## 2794	0.50	Other	1	0	0	1	2	10000	10.545368	37
## 2795	0.50	Other	1	1	0	1	2	10000	10.545368	32
## 2796	0.75	White	0	0	1	1	5	10000	10.643542	69
## 2797	1.00	Other	0	1	1	1	4	10000	11.971204	71
## 2798	0.75	White	0	0	0	1	5	10000	11.635187	66
## 2799	0.75	White	0	1	0	1	4	10000	11.635187	58
## 2800	0.25	White	0	1	1	1	2	10000	11.635187	39
## 2801	0.75	White	0	1	1	1	4	10000	11.635187	19
## 2802	0.00	White	0	1	1	1	1	10000	9.678154	24
## 2803	0.25	White	0	1	1	1	1	10000	9.678154	57
## 2804	0.50	White	0	0	1	1	1	10000	9.678154	25
## 2805	0.75	White	0	1	0	1	3	10000	10.404293	36
## 2806	0.75	White	0	0	0	1	2	10000	10.404293	37
## 2807	0.50	White	0	0	0	1	2	10000	11.492733	51

## 2808	0.50	White	0	1	0	1	1	10000	11.492733	64
## 2809	0.75	White	1	0	0	1	1	10000	10.778998	40
## 2810	0.75	White	1	1	0	1	1	10000	10.778998	45
## 2811	0.50	Asian	0	0	0	1	1	10000	10.239996	47
## 2812	0.00	White	0	0	1	1	1	10000	11.726689	58
## 2813	1.00	White	0	0	0	1	2	10000	11.726689	18
## 2814	1.00	White	0	0	0	1	3	10000	11.669938	39
## 2815	1.00	White	0	1	0	1	4	10000	11.669938	33
## 2816	0.50	White	0	0	0	1	2	10000	11.297266	50
## 2817	1.00	White	0	1	0	1	3	10000	11.297266	23
## 2818	1.00	White	0	1	1	1	2	10000	11.297266	19
## 2819	0.75	White	0	0	1	1	1	10000	10.392313	77
## 2820	0.00	White	0	1	1	1	1	10000	9.489562	79
## 2821	0.75	White	0	1	1	1	4	10000	10.577528	70
## 2822	0.50	White	0	0	0	1	6	10000	12.224899	71
## 2823	0.50	White	0	1	0	1	2	10000	12.224899	72
## 2824	0.50	White	0	1	0	1	1	10000	10.126671	38
## 2825	0.50	White	0	0	0	1	1	10000	10.126671	36
## 2826	0.25	Black	0	1	1	1	1	10000	9.472782	63
## 2827	0.00	Black	0	0	1	1	2	10000	9.472782	39
## 2828	0.00	Black	0	1	1	1	5	10000	9.472782	80
## 2829	0.00	Black	0	1	1	1	3	10000	9.472782	61
## 2830	0.25	Black	0	1	1	1	1	10000	10.991191	59
## 2831	0.50	Black	0	0	1	1	1	10000	10.991191	60
## 2832	0.75	White	0	0	0	1	2	10000	11.230576	37
## 2833	0.75	White	0	1	0	1	2	10000	11.230576	41
## 2834	0.75	White	0	1	1	1	2	10000	11.230576	23
## 2835	1.00	White	0	0	0	1	2	10000	11.230576	23
## 2836	0.75	Black	0	0	1	1	2	10000	11.838380	48
## 2837	0.75	White	0	1	0	1	2	10000	11.059519	69
## 2838	0.75	White	0	0	0	1	2	10000	11.059519	70
## 2839	0.75	White	0	0	1	0	5	10000	11.503390	46
## 2840	0.75	Black	0	1	1	0	2	10000	11.302241	48
## 2841	0.25	Black	0	0	1	0	2	10000	11.302241	28
## 2842	0.25	Black	0	1	1	0	5	10000	10.883373	62
## 2843	0.50	Black	0	1	1	0	1	10000	10.883373	85
## 2844	0.25	Black	0	0	1	0	3	10000	10.883373	57
## 2845	0.00	White	0	1	0	0	3	10000	10.900086	56
## 2846	0.00	White	0	0	0	0	2	10000	10.900086	57
## 2847	0.25	White	0	1	1	0	3	10000	10.900086	24
## 2848	0.50	White	1	0	1	0	1	10000	11.108874	64
## 2849	1.00	White	1	0	1	0	1	10000	11.108874	37
## 2850	1.00	White	0	1	0	0	4	10000	11.391977	30
## 2851	1.00	White	0	0	0	0	6	10000	11.391977	31
## 2852	0.75	White	0	0	0	0	6	10000	11.910419	63
## 2853	0.75	White	0	1	0	0	5	10000	11.910419	61
## 2854	0.50	Black	0	1	1	0	3	10000	11.164105	55
## 2855	0.00	White	0	0	0	0	2	10000	10.785208	57
## 2856	0.00	White	0	1	0	0	2	10000	10.785208	53
## 2857	0.50	White	0	0	0	0	4	10000	11.775759	27
## 2858	0.75	White	0	1	0	0	5	10000	11.775759	27
## 2859	0.75	Black	0	1	1	0	3	10000	9.561068	36
## 2860	0.75	Black	0	0	1	0	1	10000	9.561068	18
## 2861	0.25	Black	0	1	1	0	2	10000	9.480444	28

## 2862	0.75	White	0	0	0	0	5	10000	11.365596	53
## 2863	0.25	White	0	1	0	0	4	10000	11.365596	49
## 2864	1.00	White	0	1	1	0	3	10000	11.365596	22
## 2865	1.00	White	0	0	1	0	1	10000	11.365596	18
## 2866	0.75	Black	0	1	1	0	2	10000	10.706856	29
## 2867	0.50	Black	0	1	1	0	2	10000	10.706856	58
## 2868	0.75	Black	0	0	0	0	2	10000	11.711785	46
## 2869	0.75	Black	0	1	0	0	4	10000	11.711785	45
## 2870	1.00	Black	0	1	1	0	3	10000	11.711785	19
## 2871	0.50	White	0	0	0	0	2	10000	9.488124	45
## 2872	0.50	White	0	1	0	0	4	10000	9.488124	45
## 2873	0.50	White	0	0	1	0	3	10000	9.488124	56
## 2874	0.75	White	0	1	0	0	2	10000	11.195485	31
## 2875	0.75	White	0	0	0	0	2	10000	11.195485	27
## 2876	1.00	Black	0	0	1	0	3	10000	10.878104	26
## 2877	1.00	Black	0	1	1	0	2	10000	10.878104	22
## 2878	1.00	White	0	1	0	0	6	10000	11.505105	29
## 2879	1.00	White	0	0	0	0	2	10000	11.505105	31
## 2880	0.75	Black	0	1	0	0	1	10000	10.485731	67
## 2881	0.50	Black	0	0	0	0	1	10000	10.485731	70
## 2882	0.25	Black	0	1	1	0	2	10000	11.066654	45
## 2883	0.50	Black	0	0	1	0	2	10000	11.066654	21
## 2884	0.50	Black	0	1	1	0	2	10000	10.191707	78
## 2885	0.25	Black	0	1	0	0	3	10000	10.712839	48
## 2886	1.00	Black	1	1	1	1	5	10000	11.192321	29
## 2887	1.00	Black	0	0	1	1	3	10000	11.192321	48
## 2888	0.50	Black	0	1	1	1	1	10000	11.069276	20
## 2889	0.50	Black	0	0	1	1	1	10000	11.069276	62
## 2890	0.50	Black	0	1	1	1	4	10000	11.069276	59
## 2891	0.50	White	0	0	1	1	3	10000	11.119779	61
## 2892	0.00	White	0	1	1	1	4	10000	10.559322	71
## 2893	0.75	White	0	1	1	1	1	10000	10.559322	19
## 2894	0.50	White	0	1	1	1	5	10000	11.980006	59
## 2895	0.50	White	0	1	1	1	5	10000	11.980006	24
## 2896	0.25	White	0	1	0	1	1	10000	10.695167	63
## 2897	0.25	White	0	0	0	1	2	10000	10.695167	72
## 2898	0.75	White	0	0	1	1	5	10000	10.695167	33
## 2899	0.50	White	0	1	0	1	3	10000	11.669254	62
## 2900	0.25	White	0	0	0	1	2	10000	11.669254	56
## 2901	0.50	Black	0	0	1	1	2	10000	10.723289	63
## 2902	0.25	Black	0	1	1	1	3	10000	10.723289	60
## 2903	0.50	Black	0	1	0	1	1	10000	10.724016	62
## 2904	0.50	Black	0	0	0	1	1	10000	10.724016	60
## 2905	0.75	White	0	0	0	1	2	10000	11.687929	40
## 2906	0.75	White	0	1	0	1	2	10000	11.687929	44
## 2907	0.50	White	0	1	1	1	5	10000	11.277773	41
## 2908	0.50	White	0	1	1	1	3	10000	11.277773	22
## 2909	0.75	White	0	0	1	1	2	10000	11.277773	62
## 2910	1.00	White	0	1	1	1	2	10000	10.518700	24
## 2911	0.75	White	0	0	0	1	2	10000	11.050906	42
## 2912	0.75	White	0	1	0	1	1	10000	11.050906	41
## 2913	0.75	Black	0	1	1	1	5	10000	10.924156	55
## 2914	0.75	Black	0	1	1	1	5	10000	10.924156	30
## 2915	0.50	White	0	0	0	1	2	10000	11.264490	59

## 2916	0.50	White	0	1	0	1	4	10000	11.264490	47
## 2917	0.50	White	0	0	1	1	1	10000	11.264490	28
## 2918	0.50	White	0	0	1	1	1	10000	11.264490	28
## 2919	0.00	White	0	1	1	1	1	10000	11.006839	80
## 2920	0.25	White	0	1	1	1	3	10000	11.006839	65
## 2921	0.50	White	0	0	0	1	3	10000	11.211834	51
## 2922	0.50	White	0	1	0	1	2	10000	11.211834	45
## 2923	0.50	White	0	0	1	1	1	10000	11.211834	18
## 2924	0.50	White	0	1	0	1	5	10000	11.432561	24
## 2925	0.25	White	0	0	0	1	5	10000	11.432561	25
## 2926	0.25	White	0	0	0	1	5	10000	11.432561	25
## 2927	0.75	White	0	0	1	1	2	10000	10.640676	62
## 2928	0.50	Asian	0	0	0	1	5	10000	11.264477	32
## 2929	0.50	Asian	0	1	0	1	5	10000	11.264477	38
## 2930	0.50	White	0	1	1	1	1	10000	10.342452	79
## 2931	0.50	Black	0	0	1	1	4	10000	11.744886	27
## 2932	1.00	White	0	0	1	1	2	10000	11.744886	21
## 2933	1.00	White	0	0	0	1	5	10000	11.050906	30
## 2934	1.00	White	0	1	0	1	5	10000	11.050906	28
## 2935	0.75	White	0	1	1	1	2	10000	11.091361	40
## 2936	0.50	White	0	1	1	1	3	10000	10.093447	42
## 2937	0.50	White	0	0	0	1	4	10000	12.067965	37
## 2938	0.50	White	0	1	0	1	5	10000	12.067965	38
## 2939	0.75	White	0	1	0	1	5	10000	11.522935	47
## 2940	0.75	White	0	0	0	1	5	10000	11.522935	46
## 2941	0.50	White	0	0	0	1	3	10000	11.533718	34
## 2942	0.75	White	0	1	0	1	6	10000	11.533718	31
## 2943	0.50	White	0	0	0	1	2	10000	11.357476	39
## 2944	0.50	White	0	1	0	1	3	10000	11.357476	36
## 2945	1.00	White	0	1	1	1	5	10000	10.799616	30
## 2946	1.00	White	0	0	1	1	2	10000	10.778977	28
## 2947	1.00	White	0	0	0	1	6	10000	11.682770	31
## 2948	1.00	White	0	1	0	1	5	10000	11.682770	31
## 2949	0.50	White	0	1	1	1	1	10000	10.414693	80
## 2950	0.75	White	0	0	0	1	2	10000	12.230770	62
## 2951	0.75	White	0	1	0	1	2	10000	12.230770	61
## 2952	0.75	White	0	0	1	1	5	10000	10.239996	28
## 2953	1.00	Black	0	1	1	1	3	10000	10.568775	51
## 2954	1.00	Black	0	1	1	1	3	10000	10.568775	51
## 2955	0.75	White	0	0	0	1	1	10000	10.682147	75
## 2956	0.25	White	0	1	0	1	1	10000	10.682147	72
## 2957	0.50	White	0	1	1	1	3	10000	10.309053	56
## 2958	0.75	White	0	1	1	1	3	10000	11.774536	21
## 2959	1.00	White	0	1	1	1	3	10000	11.774536	22
## 2960	0.75	White	0	1	1	1	3	10000	11.774536	21
## 2961	1.00	White	0	1	1	1	2	10000	11.774536	21
## 2962	0.50	Black	0	1	0	1	2	10000	10.545368	24
## 2963	0.50	Black	0	1	0	1	5	10000	10.545368	24
## 2964	0.75	Asian	1	1	1	1	5	10000	11.344578	26
## 2965	0.75	White	0	0	1	1	5	10000	11.344578	25
## 2966	0.00	White	0	1	1	1	4	10000	10.090962	63
## 2967	1.00	White	0	0	1	1	2	10000	10.758116	60
## 2968	0.50	White	0	0	0	1	3	10000	10.663990	79
## 2969	0.50	White	0	1	0	1	2	10000	10.663990	79

## 2970	0.25	White	0	0	0	1	4	10000	10.879951	66
## 2971	0.25	White	0	1	0	1	2	10000	10.879951	67
## 2972	0.50	White	0	1	1	1	2	10000	10.672924	85
## 2973	0.75	White	0	0	1	1	4	10000	11.475234	28
## 2974	0.75	White	0	1	1	1	4	10000	11.475234	33
## 2975	0.25	White	0	1	1	1	1	10000	10.044119	67
## 2976	1.00	White	0	1	0	1	3	10000	11.588098	51
## 2977	1.00	White	0	0	0	1	2	10000	11.588098	52
## 2978	0.25	Black	0	0	0	0	1	10000	11.161167	71
## 2979	0.50	White	0	1	1	0	5	10000	10.789340	71
## 2980	0.25	Black	0	0	0	0	2	10000	11.113954	56
## 2981	0.50	Black	0	1	0	0	2	10000	11.113954	50
## 2982	0.50	Black	0	1	1	0	2	10000	11.113954	24
## 2983	0.50	Black	0	0	1	0	2	10000	11.113954	21
## 2984	0.50	Black	0	1	1	0	5	10000	10.310352	64
## 2985	0.50	Black	0	1	0	0	5	10000	11.813067	42
## 2986	0.50	Black	0	0	0	0	2	10000	11.813067	60
## 2987	0.25	Black	0	1	0	0	2	10000	11.762913	55
## 2988	0.50	Black	0	0	0	0	2	10000	11.762913	58
## 2989	1.00	Black	0	0	1	0	2	10000	11.762913	23
## 2990	1.00	Black	0	0	1	0	2	10000	11.762913	23
## 2991	0.25	Black	0	0	0	0	2	10000	9.593832	69
## 2992	0.25	Black	0	1	0	0	2	10000	9.593832	64
## 2993	0.25	Black	0	0	1	0	2	10000	10.153195	70
## 2994	0.75	Black	0	1	1	0	2	10000	9.998843	46
## 2995	0.25	White	0	0	0	0	2	10000	9.472782	85
## 2996	0.25	Asian	0	1	0	0	2	10000	9.472782	80
## 2997	0.25	Black	0	0	1	0	2	10000	11.771830	32
## 2998	0.25	Black	0	1	1	0	2	10000	10.844686	43
## 2999	0.50	Black	0	0	1	0	2	10000	10.844686	19
## 3000	0.25	Black	0	1	1	0	4	10000	10.844686	72
## 3001	0.25	Black	0	1	1	0	1	10000	10.844686	50
## 3002	0.25	White	0	0	0	0	5	10000	9.476314	37
## 3003	1.00	White	0	1	0	0	3	10000	9.476314	28
## 3004	0.75	White	0	0	0	0	5	10000	12.176134	44
## 3005	0.75	White	0	1	0	0	5	10000	12.176134	38
## 3006	1.00	White	0	0	0	0	5	10000	11.873058	37
## 3007	1.00	White	0	1	0	0	6	10000	11.873058	37
## 3008	0.50	Black	0	0	1	0	1	10000	11.626263	60
## 3009	0.75	Black	0	0	1	0	2	10000	11.170449	29
## 3010	0.50	Black	0	1	0	0	1	10000	10.451638	56
## 3011	0.50	Black	0	0	0	0	2	10000	10.451638	65
## 3012	0.25	Black	0	1	1	0	2	10000	10.968905	67
## 3013	0.50	Black	0	1	1	0	5	10000	10.968905	28
## 3014	0.75	White	0	0	1	0	2	10000	10.971486	29
## 3015	0.50	White	0	0	1	0	2	10000	10.668979	46
## 3016	0.25	White	0	0	0	0	2	10000	10.416341	69
## 3017	0.25	White	0	1	0	0	2	10000	10.416341	65
## 3018	0.25	White	0	0	0	0	2	10000	11.035067	56
## 3019	0.00	Other	0	1	0	0	3	10000	11.035067	62
## 3020	1.00	White	0	1	1	0	2	10000	10.633473	64
## 3021	1.00	White	0	0	1	0	3	10000	12.661927	55
## 3022	0.50	White	0	0	0	0	4	10000	11.368778	62
## 3023	0.75	White	0	1	0	0	3	10000	11.368778	66

## 3024	0.75	White	0	0	1	0	4	10000	10.855474	80
## 3025	0.50	White	0	1	1	0	2	10000	10.855474	69
## 3026	0.75	White	0	0	0	0	1	10000	11.492733	61
## 3027	0.25	White	0	1	0	0	2	10000	11.492733	61
## 3028	0.50	White	0	0	1	0	1	10000	10.651383	58
## 3029	0.75	White	0	0	0	0	3	10000	10.793865	49
## 3030	0.75	White	0	1	0	0	2	10000	10.793865	49
## 3031	0.75	White	0	1	1	0	3	10000	10.793865	18
## 3032	1.00	White	0	0	0	0	2	10000	10.819798	22
## 3033	1.00	White	0	1	0	0	2	10000	10.819798	19
## 3034	0.75	White	0	1	0	0	3	10000	10.478414	31
## 3035	0.75	White	0	0	0	0	3	10000	10.478414	25
## 3036	0.75	White	0	0	0	0	3	10000	11.608272	48
## 3037	0.75	White	0	1	0	0	2	10000	11.608272	49
## 3038	0.75	White	0	1	0	0	2	10000	10.736418	30
## 3039	0.75	White	0	0	0	0	4	10000	10.736418	28
## 3040	0.25	White	0	0	1	0	3	10000	10.201553	66
## 3041	0.00	White	0	1	1	0	1	10000	10.073441	58
## 3042	1.00	White	0	1	1	0	2	10000	11.150534	39
## 3043	1.00	White	0	0	1	0	1	10000	11.150534	19
## 3044	0.50	White	0	1	0	0	3	10000	10.633184	75
## 3045	0.50	White	0	0	0	0	1	10000	10.633184	77
## 3046	0.25	White	0	0	1	0	2	10000	10.737700	66
## 3047	1.00	White	0	1	0	0	3	10000	11.466902	22
## 3048	1.00	White	0	0	0	0	2	10000	11.466902	26
## 3049	0.25	White	0	0	1	0	1	10000	10.381583	85
## 3050	0.50	White	0	1	0	0	5	10000	11.987251	41
## 3051	0.50	White	0	0	0	0	2	10000	11.987251	43
## 3052	1.00	White	0	0	1	0	2	10000	11.987251	23
## 3053	1.00	White	0	1	1	0	1	10000	11.987251	18
## 3054	0.50	White	0	0	1	0	2	10000	11.987251	60
## 3055	0.25	White	0	1	0	0	5	10000	10.396017	59
## 3056	0.50	White	0	0	0	0	2	10000	10.396017	53
## 3057	0.50	White	0	1	0	0	5	10000	12.175804	43
## 3058	0.25	White	0	0	0	0	6	10000	12.175804	44
## 3059	1.00	White	0	0	0	0	2	10000	11.492753	54
## 3060	1.00	White	0	1	0	0	2	10000	11.492753	47
## 3061	0.25	White	1	1	0	0	2	10000	10.968216	19
## 3062	0.25	White	1	0	0	0	2	10000	10.968216	21
## 3063	0.25	White	0	0	1	0	2	10000	10.377514	85
## 3064	0.00	White	0	0	0	0	1	10000	11.062897	64
## 3065	0.25	White	0	1	0	0	2	10000	11.062897	49
## 3066	1.00	White	0	0	1	0	2	10000	11.062897	25
## 3067	0.75	White	0	0	0	0	2	10000	12.345965	31
## 3068	0.75	White	0	1	0	0	4	10000	12.345965	31
## 3069	1.00	White	0	0	1	0	1	10000	11.440376	34
## 3070	1.00	White	0	1	1	0	2	10000	11.440376	27
## 3071	0.50	Other	0	1	1	0	3	10000	10.477344	43
## 3072	0.25	Asian	0	1	1	0	1	10000	10.385296	85
## 3073	0.50	White	0	0	0	0	2	10000	12.369942	41
## 3074	0.25	White	0	1	0	0	2	10000	12.369942	42
## 3075	0.50	White	0	0	1	0	2	10000	10.737613	45
## 3076	0.50	White	0	0	1	0	2	10000	10.737613	45
## 3077	0.50	White	0	0	1	0	1	10000	10.240353	38

## 3078	1.00	White	0	0	0	0	4	10000	11.374583	70
## 3079	1.00	White	0	1	0	0	2	10000	11.374583	69
## 3080	0.50	White	0	1	0	0	1	10000	11.773434	54
## 3081	0.75	White	0	0	0	0	2	10000	11.773434	56
## 3082	0.25	White	0	1	1	0	2	10000	10.141914	77
## 3083	0.00	White	0	1	1	0	1	10000	11.666650	49
## 3084	0.50	Other	0	0	1	0	2	10000	11.666650	24
## 3085	0.50	White	0	1	1	0	2	10000	11.666650	56
## 3086	0.50	White	1	0	1	0	2	10000	11.666650	41
## 3087	0.50	White	1	0	0	0	1	10000	10.778977	66
## 3088	0.75	White	1	1	0	0	1	10000	10.778977	46
## 3089	0.75	White	1	1	1	0	1	10000	10.778977	18
## 3090	0.25	White	0	1	0	0	4	10000	10.823790	49
## 3091	0.00	White	0	0	0	0	3	10000	10.823790	54
## 3092	1.00	White	0	0	0	0	3	10000	11.555544	60
## 3093	1.00	White	0	1	0	0	2	10000	11.555544	60
## 3094	1.00	White	0	0	1	0	2	10000	11.555544	20
## 3095	1.00	White	0	1	0	0	3	10000	11.686921	25
## 3096	1.00	White	0	0	0	0	2	10000	11.686921	33
## 3097	0.50	White	1	1	1	0	1	10000	10.740757	33
## 3098	0.50	White	0	0	0	0	1	10000	10.854894	80
## 3099	0.50	White	0	1	0	0	2	10000	10.854894	80
## 3100	0.75	White	0	0	0	0	5	10000	10.889696	22
## 3101	0.75	White	0	1	0	0	2	10000	10.889696	20
## 3102	0.50	White	0	0	1	0	3	10000	11.640448	49
## 3103	1.00	White	1	1	1	0	2	10000	10.682858	43
## 3104	0.50	White	1	1	1	0	2	10000	10.682858	20
## 3105	1.00	White	1	0	0	0	1	10000	10.571394	35
## 3106	1.00	White	1	1	0	0	1	10000	10.571394	31
## 3107	0.75	White	0	0	0	0	3	10000	11.541532	47
## 3108	1.00	White	1	1	0	0	2	10000	11.541532	40
## 3109	1.00	White	0	0	1	0	1	10000	11.541532	18
## 3110	0.00	White	0	1	1	0	1	10000	10.287695	57
## 3111	0.25	White	0	1	1	0	1	10000	10.280725	85
## 3112	0.50	White	1	1	1	0	1	10000	10.763017	72
## 3113	0.50	White	1	0	1	0	1	10000	10.763017	31
## 3114	0.75	White	0	0	1	0	2	10000	10.918736	23
## 3115	1.00	White	0	1	1	0	2	10000	10.918736	21
## 3116	0.75	White	0	0	0	0	4	10000	10.809768	31
## 3117	0.75	White	0	1	0	0	2	10000	10.809768	29
## 3118	1.00	White	0	1	0	0	4	10000	11.581005	33
## 3119	0.75	White	0	0	0	0	3	10000	11.581005	33
## 3120	0.00	White	0	1	0	0	2	10000	9.822874	71
## 3121	0.00	White	0	0	0	0	1	10000	9.822874	72
## 3122	0.50	White	0	0	0	0	1	10000	11.473259	51
## 3123	0.75	White	0	1	0	0	6	10000	11.473259	48
## 3124	0.75	White	0	1	1	0	4	10000	11.473259	22
## 3125	0.25	White	0	0	0	0	1	10000	10.646068	77
## 3126	0.00	White	0	1	0	0	1	10000	10.646068	85
## 3127	0.00	Other	0	0	1	0	1	10000	10.302364	79
## 3128	0.50	White	0	0	1	0	2	10000	10.668979	63
## 3129	0.25	White	0	1	0	0	2	10000	10.897091	72
## 3130	0.25	White	0	0	0	0	2	10000	10.897091	78
## 3131	0.50	White	0	1	1	0	3	10000	10.897091	20

## 3132	0.25	White	0	0	0	0	4	10000	11.663937	43
## 3133	0.25	White	0	1	0	0	6	10000	11.663937	55
## 3134	0.75	White	0	0	1	0	2	10000	11.289857	37
## 3135	0.50	White	0	0	1	0	1	10000	11.289857	51
## 3136	0.75	White	0	1	0	0	1	10000	10.968216	38
## 3137	0.75	White	0	0	0	0	4	10000	10.968216	43
## 3138	0.25	White	0	0	0	0	3	10000	11.308493	45
## 3139	0.25	White	0	1	0	0	6	10000	11.308493	38
## 3140	1.00	White	1	1	0	0	3	10000	11.127660	25
## 3141	1.00	White	0	0	0	0	3	10000	11.127660	25
## 3142	0.50	Other	0	0	0	0	2	10000	12.131451	54
## 3143	0.25	Other	0	1	0	0	6	10000	12.131451	55
## 3144	1.00	Other	0	1	1	0	4	10000	12.131451	21
## 3145	1.00	Other	0	1	0	0	3	10000	12.131451	20
## 3146	0.75	White	0	0	0	0	3	10000	11.674287	57
## 3147	0.75	White	0	1	0	0	3	10000	11.674287	47
## 3148	1.00	White	0	0	1	0	3	10000	11.705296	27
## 3149	1.00	White	0	1	1	0	4	10000	11.705296	29
## 3150	0.50	White	0	1	0	0	4	10000	11.141876	24
## 3151	0.50	White	0	0	0	0	2	10000	11.141876	28
## 3152	0.75	White	0	0	0	0	2	10000	11.342386	56
## 3153	0.75	Other	0	1	0	0	2	10000	11.342386	60
## 3154	1.00	Other	0	1	0	0	3	10000	10.691968	37
## 3155	0.25	Other	0	0	0	0	5	10000	10.691968	30
## 3156	0.75	White	0	0	0	0	4	10000	11.899595	57
## 3157	0.50	White	0	1	0	0	4	10000	11.899595	60
## 3158	0.50	White	0	1	0	0	1	10000	11.188884	80
## 3159	0.75	Other	0	0	0	0	1	10000	11.188884	85
## 3160	0.75	White	0	1	1	0	3	10000	11.188884	47
## 3161	0.25	White	0	0	1	0	1	10000	10.136740	61
## 3162	0.25	White	0	1	1	0	1	10000	9.967635	50
## 3163	0.25	White	0	1	1	0	2	10000	9.967635	26
## 3164	1.00	Black	0	1	0	0	4	10000	11.711170	52
## 3165	0.75	Black	0	0	0	0	4	10000	11.711170	56
## 3166	0.50	Other	0	0	1	0	3	10000	10.625028	75
## 3167	0.50	White	0	0	1	0	4	10000	10.266150	49
## 3168	0.75	White	0	0	1	0	5	10000	10.350255	67
## 3169	0.75	Black	0	0	1	0	4	10000	11.159118	54
## 3170	0.00	White	0	0	1	0	1	10000	10.697859	72
## 3171	0.50	Black	0	0	0	0	2	10000	10.550617	60
## 3172	0.25	Black	0	1	0	0	2	10000	10.550617	54
## 3173	0.25	White	0	1	0	0	3	10000	10.821796	53
## 3174	0.25	White	0	1	0	0	3	10000	10.821796	53
## 3175	0.50	White	0	0	0	0	3	10000	10.821796	58
## 3176	0.50	White	0	0	0	0	3	10000	10.821796	58
## 3177	0.00	White	0	0	1	0	4	10000	10.006991	67
## 3178	1.00	White	0	0	1	0	3	10000	11.989228	39
## 3179	0.75	White	0	0	1	0	1	10000	9.758520	75
## 3180	0.50	White	0	0	1	0	1	10000	9.998843	43
## 3181	0.00	White	0	1	1	0	1	10000	9.998843	18
## 3182	0.00	White	0	1	1	0	2	10000	9.998843	41
## 3183	0.25	White	0	0	0	0	2	10000	9.622450	70
## 3184	0.75	White	0	1	0	0	2	10000	9.622450	70
## 3185	0.25	White	0	1	0	0	3	10000	10.586408	80

## 3186	0.00	White	0	0	0	0	5	10000	10.586408	80
## 3187	0.75	White	0	1	0	0	5	10000	11.561725	36
## 3188	0.75	White	0	0	0	0	2	10000	11.561725	37
## 3189	0.00	White	0	0	0	0	3	10000	10.620009	68
## 3190	0.50	White	0	1	0	0	2	10000	10.620009	63
## 3191	0.25	White	0	1	0	0	2	10000	10.976457	57
## 3192	0.25	White	0	0	0	0	2	10000	10.976457	55
## 3193	0.50	White	0	0	1	0	4	10000	10.976457	38
## 3194	0.50	White	0	0	0	0	4	10000	11.210482	62
## 3195	0.75	White	0	1	0	0	5	10000	11.210482	60
## 3196	0.25	White	0	0	0	0	2	10000	11.264605	40
## 3197	0.25	White	0	1	0	0	2	10000	11.264605	49
## 3198	1.00	Black	0	1	1	0	3	10000	10.404293	23
## 3199	0.50	White	0	0	1	0	3	10000	11.350430	56
## 3200	0.75	White	0	0	1	0	4	10000	11.350430	32
## 3201	1.00	White	0	0	0	0	2	10000	10.968216	36
## 3202	1.00	White	0	1	0	0	4	10000	10.968216	42
## 3203	0.75	White	0	1	1	1	6	10000	11.452570	80
## 3204	0.50	Black	0	0	1	1	3	10000	10.668979	56
## 3205	0.75	Black	0	0	0	1	2	10000	11.726835	59
## 3206	0.75	Black	0	1	0	1	1	10000	11.726835	57
## 3207	1.00	White	0	1	1	1	5	10000	10.878066	43
## 3208	0.75	White	0	0	0	1	5	10000	11.696521	46
## 3209	0.75	White	0	1	0	1	6	10000	11.696521	44
## 3210	0.50	White	0	0	0	1	6	10000	11.138407	38
## 3211	0.75	White	0	1	0	1	5	10000	11.138407	39
## 3212	0.75	White	0	0	0	1	6	10000	11.973365	32
## 3213	0.75	White	0	1	0	1	5	10000	11.973365	32
## 3214	1.00	White	1	0	0	1	5	10000	11.199461	33
## 3215	1.00	White	1	1	0	1	5	10000	11.199461	33
## 3216	0.75	White	0	1	0	1	3	10000	11.018826	29
## 3217	1.00	White	0	0	0	1	3	10000	11.018826	32
## 3218	0.25	White	0	1	1	1	2	10000	10.383442	80
## 3219	0.75	White	0	1	1	1	5	10000	10.840737	24
## 3220	0.75	White	0	0	1	1	3	10000	10.840737	26
## 3221	1.00	White	0	0	0	1	6	10000	13.936975	34
## 3222	1.00	White	0	1	0	1	6	10000	13.936975	37
## 3223	0.25	White	0	1	1	1	6	10000	10.745119	80
## 3224	1.00	White	0	0	1	1	3	10000	11.156265	44
## 3225	0.75	White	0	0	1	1	6	10000	11.003782	76
## 3226	0.50	Black	0	1	1	1	2	10000	11.317640	45
## 3227	1.00	Black	0	0	1	1	2	10000	11.317640	18
## 3228	1.00	White	0	0	0	1	2	10000	11.050906	59
## 3229	0.50	Black	0	0	0	1	4	10000	10.749999	64
## 3230	0.25	Black	0	1	0	1	3	10000	10.749999	63
## 3231	0.75	White	0	1	0	0	2	10000	11.455159	41
## 3232	0.75	White	0	0	0	0	2	10000	11.455159	52
## 3233	0.50	White	0	0	0	0	3	10000	12.358888	66
## 3234	1.00	White	0	1	0	0	3	10000	12.358888	55
## 3235	0.50	White	0	0	0	0	2	10000	11.112478	33
## 3236	0.75	White	0	1	0	0	2	10000	11.112478	33
## 3237	0.50	White	0	0	0	0	3	10000	12.214324	41
## 3238	0.25	White	0	1	0	0	5	10000	12.214324	33
## 3239	0.00	White	0	1	1	0	2	10000	11.089561	69

## 3240	0.50	White	0	1	0	0	1	10000	9.473012	52
## 3241	0.50	White	0	0	0	0	2	10000	9.473012	57
## 3242	1.00	White	0	1	1	0	2	10000	10.659633	27
## 3243	1.00	White	0	0	1	0	2	10000	10.659633	19
## 3244	0.50	Other	0	0	1	0	1	10000	10.736418	57
## 3245	0.25	White	0	1	1	0	2	10000	10.176754	55
## 3246	0.75	White	0	0	0	0	2	10000	11.697461	54
## 3247	0.75	White	0	1	0	0	2	10000	11.697461	51
## 3248	0.25	White	0	1	1	0	2	10000	11.697461	29
## 3249	1.00	White	0	0	0	0	1	10000	11.512935	38
## 3250	1.00	White	0	1	0	0	1	10000	11.512935	36
## 3251	0.50	Black	0	0	0	0	6	10000	11.484156	72
## 3252	0.50	Other	0	1	0	0	4	10000	11.484156	61
## 3253	0.50	Other	0	0	1	0	3	10000	11.484156	32
## 3254	0.00	White	0	0	0	0	3	10000	10.557244	66
## 3255	0.00	Other	0	1	0	0	3	10000	10.557244	67
## 3256	0.00	White	0	1	1	0	2	10000	11.268277	64
## 3257	0.50	White	0	0	1	0	2	10000	11.268277	20
## 3258	0.50	White	0	0	1	0	2	10000	11.268277	45
## 3259	0.50	Other	0	0	1	0	4	10000	10.094191	59
## 3260	0.25	White	0	1	1	0	2	10000	10.094191	77
## 3261	0.50	White	0	0	0	0	2	10000	10.760219	62
## 3262	0.50	White	0	1	0	0	2	10000	10.760219	60
## 3263	0.50	White	0	1	0	0	2	10000	10.760219	60
## 3264	0.75	Black	0	0	0	0	4	10000	11.552156	58
## 3265	0.75	Black	0	1	0	0	3	10000	11.552156	61
## 3266	0.75	White	0	1	1	0	1	10000	10.028842	61
## 3267	0.75	White	0	1	1	0	1	10000	10.028842	28
## 3268	1.00	White	0	1	1	0	5	10000	11.066654	29
## 3269	1.00	Black	0	1	1	0	2	10000	9.472782	21
## 3270	0.25	Black	0	1	0	0	2	10000	11.140948	52
## 3271	0.25	Black	0	0	0	0	2	10000	11.140948	61
## 3272	0.75	White	0	0	1	0	5	10000	11.050906	27
## 3273	0.50	Black	0	1	1	0	1	10000	10.263258	69
## 3274	0.50	Black	0	1	1	0	2	10000	10.263258	37
## 3275	0.25	Black	0	1	1	0	1	10000	9.472782	37
## 3276	0.25	Black	0	0	1	0	1	10000	9.472782	55
## 3277	0.75	White	0	0	1	0	5	10000	10.434145	42
## 3278	0.50	White	0	0	0	0	2	10000	11.221008	71
## 3279	0.00	White	0	1	0	0	1	10000	11.221008	67
## 3280	0.00	White	0	1	1	0	1	10000	10.185390	80
## 3281	0.00	White	0	0	1	0	2	10000	11.418626	62
## 3282	0.25	White	0	0	1	0	2	10000	11.418626	64
## 3283	0.25	Black	0	0	1	0	4	10000	10.096461	69
## 3284	0.75	Black	0	1	0	0	4	10000	11.198228	37
## 3285	0.75	Black	0	0	0	0	2	10000	11.198228	43
## 3286	0.00	Black	0	0	1	0	2	10000	10.230919	72
## 3287	0.50	White	0	0	0	0	2	10000	10.639191	79
## 3288	0.50	White	0	1	0	0	1	10000	10.639191	79
## 3289	0.50	Black	0	1	1	0	1	10000	10.121418	75
## 3290	0.75	White	0	0	0	0	3	10000	11.238502	40
## 3291	0.75	White	0	1	0	0	3	10000	11.238502	41
## 3292	0.75	Asian	0	1	1	0	3	10000	10.949103	48
## 3293	0.25	White	0	0	0	0	2	10000	9.472782	69

## 3294	0.25	White	0	1	0	0	1	10000	9.472782	64
## 3295	0.25	White	0	1	1	0	1	10000	10.139073	85
## 3296	0.75	White	0	0	1	0	2	10000	11.264477	48
## 3297	0.25	Black	0	1	0	0	4	10000	10.668979	55
## 3298	0.25	Black	0	0	0	0	2	10000	10.668979	64
## 3299	0.50	White	0	0	0	0	2	10000	11.820425	63
## 3300	0.75	White	0	1	0	0	3	10000	11.820425	62
## 3301	0.75	Black	0	1	1	0	2	10000	10.680539	39
## 3302	0.75	Black	0	0	1	0	2	10000	10.680539	21
## 3303	0.75	Black	0	0	1	0	1	10000	10.680539	19
## 3304	0.50	Black	0	0	1	0	2	10000	10.158324	58
## 3305	0.25	White	0	1	1	0	2	10000	10.816694	60
## 3306	0.25	White	0	0	1	0	1	10000	10.816694	38
## 3307	0.50	White	0	0	1	0	1	10000	10.816694	41
## 3308	0.75	White	0	1	0	0	2	10000	10.878481	25
## 3309	0.75	White	0	0	0	0	2	10000	10.878481	24
## 3310	0.75	White	0	0	0	0	4	10000	11.350536	67
## 3311	0.75	White	0	1	0	0	2	10000	11.350536	65
## 3312	1.00	White	0	1	0	0	4	10000	12.507824	64
## 3313	0.50	White	0	0	0	0	1	10000	12.507824	76
## 3314	0.50	Black	0	0	0	0	5	10000	11.493396	60
## 3315	0.25	Black	0	1	0	0	4	10000	11.493396	56
## 3316	0.75	Black	0	1	1	0	2	10000	9.472782	32
## 3317	0.50	Black	0	1	0	0	2	10000	11.504500	68
## 3318	0.50	Black	0	1	1	0	2	10000	11.504500	20
## 3319	0.50	Black	0	1	1	0	2	10000	10.315961	35
## 3320	0.75	White	0	1	1	0	4	10000	10.600901	50
## 3321	0.75	White	0	1	1	0	5	10000	10.600901	22
## 3322	0.50	White	0	1	1	0	2	10000	11.369482	40
## 3323	1.00	White	0	0	1	0	2	10000	11.369482	21
## 3324	0.25	White	0	0	1	0	2	10000	11.369482	29
## 3325	0.25	White	0	0	1	0	2	10000	11.369482	29
## 3326	0.50	Black	0	1	0	0	4	10000	11.625173	55
## 3327	0.75	Black	0	0	0	0	2	10000	11.625173	58
## 3328	0.75	Black	0	0	0	0	2	10000	11.625173	58
## 3329	0.00	Black	0	0	0	0	2	10000	10.085851	42
## 3330	0.50	Black	0	1	0	0	2	10000	10.085851	41
## 3331	0.75	White	0	0	1	0	3	10000	11.566239	62
## 3332	0.75	Other	0	1	1	0	5	10000	10.896776	45
## 3333	0.25	White	0	1	1	0	4	10000	10.090506	59
## 3334	0.00	Black	0	1	1	0	3	10000	9.515248	85
## 3335	0.50	White	0	0	0	0	4	10000	11.512935	52
## 3336	0.75	White	0	1	0	0	4	10000	11.512935	49
## 3337	0.50	Black	0	1	0	0	5	10000	11.911708	59
## 3338	0.50	Black	0	0	0	0	2	10000	11.911708	61
## 3339	0.50	White	0	1	0	0	2	10000	10.994790	46
## 3340	0.25	White	0	0	0	0	2	10000	10.994790	46
## 3341	0.25	Black	0	1	0	0	1	10000	11.161167	67
## 3342	0.50	White	0	1	0	0	2	10000	11.004813	60
## 3343	0.50	White	0	0	0	0	2	10000	11.004813	68
## 3344	0.00	White	1	1	0	0	2	10000	10.878066	49
## 3345	0.00	White	0	0	0	0	3	10000	10.878066	47
## 3346	0.75	White	0	1	0	0	3	10000	11.571402	36
## 3347	0.75	White	0	0	0	0	3	10000	11.571402	36

## 3348	0.25	Black	0	1	1	0	2	10000	10.032057	52
## 3349	0.00	Black	0	0	1	0	1	10000	10.051908	70
## 3350	0.25	White	0	1	1	0	1	10000	9.998843	43
## 3351	0.50	White	0	0	1	0	1	10000	9.998843	21
## 3352	0.25	Black	0	1	1	0	2	10000	9.472782	40
## 3353	0.75	White	0	1	0	0	3	10000	11.519911	47
## 3354	0.75	White	0	1	0	0	3	10000	11.519911	47
## 3355	0.75	White	0	0	0	0	2	10000	11.519911	48
## 3356	0.50	Other	0	1	0	0	1	10000	11.338596	34
## 3357	0.50	White	0	0	0	0	2	10000	11.338596	60
## 3358	0.75	Black	0	0	1	0	3	10000	11.058811	51
## 3359	1.00	White	0	1	1	0	4	10000	11.678448	74
## 3360	0.25	White	0	1	0	0	5	10000	11.678448	42
## 3361	0.75	White	0	0	0	0	2	10000	11.678448	42
## 3362	0.50	White	0	1	0	0	6	10000	11.639364	38
## 3363	0.75	White	0	0	0	0	6	10000	11.639364	38
## 3364	0.50	Other	0	0	1	0	4	10000	11.026256	40
## 3365	0.50	Other	0	1	1	0	6	10000	11.026256	65
## 3366	0.00	Black	0	1	1	0	1	10000	10.656435	65
## 3367	0.50	Black	0	1	1	0	1	10000	10.656435	52
## 3368	1.00	Black	0	0	1	0	4	10000	11.273437	29
## 3369	0.25	White	0	0	0	0	3	10000	12.744059	52
## 3370	0.75	White	0	1	0	0	6	10000	12.744059	51
## 3371	0.50	Black	0	0	1	0	2	10000	10.979206	58
## 3372	1.00	Black	0	0	1	0	1	10000	10.173553	69
## 3373	0.50	Black	0	1	1	0	3	10000	11.134618	71
## 3374	1.00	Black	0	1	1	0	2	10000	10.094851	33
## 3375	0.50	White	0	1	1	0	3	10000	10.654927	31
## 3376	0.50	White	0	0	1	0	2	10000	10.654927	27
## 3377	0.50	White	0	1	0	0	3	10000	10.654927	20
## 3378	0.25	White	0	0	0	0	3	10000	11.994005	52
## 3379	0.75	White	0	1	0	0	5	10000	11.994005	56
## 3380	0.75	White	0	1	0	0	5	10000	11.994005	56
## 3381	0.75	White	0	0	1	1	5	10000	11.640007	60
## 3382	0.50	White	0	0	0	1	3	10000	11.338584	57
## 3383	0.50	White	0	1	0	1	3	10000	11.338584	58
## 3384	0.75	White	0	1	1	1	2	10000	11.338584	27
## 3385	0.75	White	0	1	1	1	6	10000	11.512935	36
## 3386	0.75	White	0	0	0	1	5	10000	10.896758	53
## 3387	0.75	White	0	0	1	1	5	10000	10.896758	23
## 3388	0.75	Black	0	1	1	1	1	10000	10.335302	44
## 3389	0.50	White	0	0	0	1	4	10000	9.473243	60
## 3390	0.00	White	0	1	0	1	4	10000	9.473243	48
## 3391	1.00	White	0	0	1	1	3	10000	10.714440	24
## 3392	0.75	White	0	0	0	1	3	10000	11.271694	55
## 3393	0.75	White	0	1	0	1	3	10000	11.271694	55
## 3394	0.75	White	0	0	1	1	3	10000	11.271694	23
## 3395	0.75	White	0	0	1	1	2	10000	11.271694	20
## 3396	1.00	White	0	1	1	1	6	10000	11.085245	28
## 3397	0.75	White	0	1	1	1	3	10000	10.969112	60
## 3398	0.75	White	0	1	1	1	6	10000	11.678448	25
## 3399	0.75	White	0	0	1	1	5	10000	11.678448	23
## 3400	0.50	White	0	1	0	1	4	10000	11.112910	27
## 3401	0.50	White	0	0	0	1	3	10000	11.112910	29

## 3402	0.50	White	0	0	0	1	3	10000	11.617294	31
## 3403	0.75	White	0	1	0	1	3	10000	11.617294	30
## 3404	0.75	White	0	0	0	1	1	10000	11.297266	38
## 3405	1.00	White	0	1	0	1	6	10000	11.297266	41
## 3406	0.75	White	0	0	1	1	3	10000	9.852300	20
## 3407	1.00	White	0	0	1	1	6	10000	9.852300	20
## 3408	0.75	Black	0	1	0	1	5	10000	11.234758	64
## 3409	0.75	Black	0	0	0	1	3	10000	11.234758	68
## 3410	0.75	Black	0	1	1	1	3	10000	11.234758	47
## 3411	0.75	Black	0	1	1	1	1	10000	11.234758	18
## 3412	0.50	White	0	0	0	1	4	10000	12.001512	51
## 3413	0.50	White	0	0	0	1	4	10000	12.001512	51
## 3414	0.50	White	0	0	0	1	4	10000	12.001512	51
## 3415	0.50	White	0	1	0	1	2	10000	12.001512	52
## 3416	0.50	White	0	1	1	1	3	10000	10.909656	21
## 3417	0.50	White	1	0	1	1	3	10000	10.909656	22
## 3418	0.25	White	0	0	0	1	3	10000	9.473166	46
## 3419	0.25	White	0	1	0	1	4	10000	9.473166	47
## 3420	0.50	Black	0	1	1	1	3	10000	10.542733	32
## 3421	0.50	White	0	1	1	1	6	10000	12.111767	43
## 3422	1.00	Asian	0	1	1	1	1	10000	9.942756	35
## 3423	0.50	White	0	1	1	1	2	10000	9.852247	39
## 3424	0.50	White	0	1	1	1	3	10000	9.852247	20
## 3425	0.50	White	0	1	0	1	5	10000	11.538671	59
## 3426	0.50	White	1	0	0	1	6	10000	11.538671	61
## 3427	0.75	White	1	0	1	1	3	10000	11.538671	32
## 3428	0.50	White	0	1	1	1	2	10000	10.434145	36
## 3429	1.00	White	0	0	1	1	5	10000	11.561973	27
## 3430	0.50	Black	0	0	0	1	4	10000	11.008562	70
## 3431	0.50	Black	0	1	0	1	1	10000	11.008562	51
## 3432	0.50	Black	0	1	1	1	1	10000	11.008562	34
## 3433	0.50	White	0	0	0	1	2	10000	12.096593	72
## 3434	0.50	White	0	1	0	1	2	10000	12.096593	69
## 3435	0.50	White	0	0	0	1	2	10000	12.212413	57
## 3436	0.75	White	0	1	0	1	3	10000	12.212413	58
## 3437	1.00	White	0	1	0	1	2	10000	10.878066	60
## 3438	1.00	White	0	0	0	1	2	10000	10.878066	61
## 3439	1.00	White	0	1	0	1	3	10000	12.123196	65
## 3440	1.00	White	0	0	0	1	3	10000	12.123196	59
## 3441	1.00	White	0	0	1	1	2	10000	12.123196	35
## 3442	0.25	White	0	0	1	1	2	10000	12.123196	66
## 3443	0.75	White	0	1	1	1	2	10000	12.123196	34
## 3444	1.00	White	0	0	0	1	2	10000	11.678448	65
## 3445	1.00	White	0	1	0	1	2	10000	11.678448	54
## 3446	0.50	White	0	1	1	1	6	10000	9.472782	43
## 3447	0.50	White	0	1	1	1	6	10000	10.779644	36
## 3448	1.00	White	0	0	0	1	2	10000	12.144522	57
## 3449	1.00	White	0	0	1	1	6	10000	11.156351	44
## 3450	0.75	White	1	0	0	1	5	10000	11.844665	69
## 3451	0.75	White	0	1	0	1	4	10000	11.844665	66
## 3452	0.50	White	0	1	0	1	3	10000	11.746867	70
## 3453	0.50	White	0	0	0	1	5	10000	11.746867	70
## 3454	0.25	Black	0	0	1	1	2	10000	10.264966	57
## 3455	0.25	Black	0	0	0	1	1	10000	10.851316	68

## 3456	0.50	Black	0	1	0	1	3	10000	10.851316	64
## 3457	0.75	Black	0	1	1	1	2	10000	11.741224	69
## 3458	0.75	Black	0	1	1	1	2	10000	11.741224	69
## 3459	0.75	Black	0	1	1	1	2	10000	11.741224	69
## 3460	1.00	White	0	0	1	1	5	10000	11.967187	54
## 3461	1.00	White	0	1	0	1	5	10000	11.635400	36
## 3462	1.00	White	0	0	0	1	3	10000	11.635400	38
## 3463	0.75	Other	0	1	0	1	5	10000	11.389639	28
## 3464	0.75	Black	0	0	0	1	4	10000	11.389639	31
## 3465	0.75	Black	0	0	1	1	2	10000	10.408677	42
## 3466	0.25	White	0	1	1	1	2	10000	10.728540	46
## 3467	0.50	White	0	1	1	1	5	10000	10.728540	49
## 3468	0.75	White	0	1	1	1	4	10000	10.528998	78
## 3469	1.00	White	0	0	1	1	5	10000	11.590146	24
## 3470	0.75	White	0	1	1	1	2	10000	10.043293	28
## 3471	0.75	White	0	0	1	1	5	10000	10.043293	27
## 3472	0.75	White	0	1	0	1	3	10000	9.718422	57
## 3473	0.75	White	0	0	0	1	3	10000	9.718422	58
## 3474	1.00	White	0	1	0	1	5	10000	12.488258	55
## 3475	1.00	White	0	0	0	1	5	10000	12.488258	55
## 3476	0.50	Black	0	0	1	1	2	10000	10.778977	25
## 3477	0.25	White	0	1	1	1	3	10000	10.555917	55
## 3478	0.75	Black	0	0	0	1	5	10000	11.457011	37
## 3479	0.75	Black	0	1	0	1	5	10000	11.457011	37
## 3480	0.75	Black	0	1	0	1	4	10000	10.768527	34
## 3481	0.75	White	0	1	0	1	6	10000	12.281792	58
## 3482	0.75	White	1	0	0	1	6	10000	12.281792	46
## 3483	0.75	White	1	0	0	1	6	10000	12.281792	46
## 3484	0.25	Black	0	0	0	1	2	10000	11.082158	49
## 3485	1.00	Black	0	1	0	1	4	10000	11.082158	47
## 3486	0.25	Black	0	0	1	1	6	10000	10.800249	61
## 3487	1.00	White	0	0	0	1	6	10000	11.614136	33
## 3488	1.00	White	0	0	0	1	6	10000	11.614136	33
## 3489	1.00	White	0	1	0	1	6	10000	11.614136	32
## 3490	1.00	Black	0	0	0	1	6	10000	12.421374	58
## 3491	1.00	Black	0	1	0	1	6	10000	12.421374	60
## 3492	0.50	White	0	0	1	1	2	10000	10.348205	80
## 3493	0.50	White	0	0	0	1	5	10000	14.274657	68
## 3494	0.50	White	0	1	0	1	4	10000	14.274657	77
## 3495	0.25	White	0	0	1	1	2	10000	10.463132	43
## 3496	0.50	White	0	1	1	1	2	10000	10.463132	24
## 3497	0.50	White	0	1	1	1	2	10000	10.463132	47
## 3498	0.50	White	0	0	1	1	1	10000	10.646995	61
## 3499	0.50	White	0	1	0	1	3	10000	10.646995	58
## 3500	0.50	White	0	0	0	1	1	10000	10.646995	58
## 3501	1.00	Black	0	0	0	1	5	10000	11.723251	62
## 3502	1.00	Black	0	1	0	1	4	10000	11.723251	62
## 3503	1.00	White	1	0	0	1	5	10000	12.191304	30
## 3504	1.00	White	0	1	0	1	5	10000	12.191304	30
## 3505	1.00	White	0	0	0	1	6	10000	12.420244	47
## 3506	1.00	White	0	1	0	1	6	10000	12.420244	45
## 3507	0.50	White	0	0	0	1	5	10000	12.329626	61
## 3508	0.50	White	0	0	0	1	5	10000	12.329626	61
## 3509	0.50	White	0	1	0	1	3	10000	12.329626	60

## 3510	0.50	White	0	0	1	1	2	10000	11.293537	60
## 3511	0.75	White	0	0	1	1	2	10000	11.293537	25
## 3512	0.75	White	0	1	0	1	3	10000	11.643971	58
## 3513	0.75	White	0	0	0	1	5	10000	11.643971	59
## 3514	0.50	White	0	1	1	1	2	10000	10.750857	72
## 3515	0.75	White	0	0	1	1	5	10000	11.953925	70
## 3516	0.75	White	0	1	1	1	4	10000	11.953925	70
## 3517	0.50	White	0	1	1	1	2	10000	10.812048	69
## 3518	1.00	White	0	0	1	1	3	10000	11.589896	21
## 3519	1.00	White	0	1	1	1	5	10000	11.589896	37
## 3520	0.50	Black	0	1	1	1	5	10000	9.548668	28
## 3521	0.75	White	1	0	0	1	2	10000	10.819798	46
## 3522	0.75	White	1	1	0	1	5	10000	10.819798	34
## 3523	0.75	Black	0	1	0	1	5	10000	12.491458	53
## 3524	1.00	Black	0	0	0	1	6	10000	12.491458	58
## 3525	1.00	Black	0	0	1	1	2	10000	12.491458	28
## 3526	1.00	Black	0	1	1	1	3	10000	12.491458	18
## 3527	0.75	Black	0	1	1	1	2	10000	10.774802	46
## 3528	0.25	White	0	1	1	1	2	10000	11.792941	20
## 3529	1.00	White	0	1	1	1	5	10000	11.792941	24
## 3530	1.00	White	0	0	1	1	2	10000	11.630780	80
## 3531	0.50	White	0	0	1	1	5	10000	11.630780	24
## 3532	0.50	White	0	1	0	1	2	10000	11.744124	44
## 3533	0.50	Black	0	0	0	1	4	10000	11.744124	55
## 3534	0.50	Black	0	0	0	1	4	10000	11.744124	55
## 3535	0.50	White	0	0	1	1	2	10000	11.744124	22
## 3536	0.50	White	0	0	1	1	2	10000	11.744124	22
## 3537	0.25	White	0	0	0	1	5	10000	12.211935	66
## 3538	1.00	White	0	1	0	1	5	10000	12.211935	54
## 3539	1.00	White	0	1	0	1	5	10000	12.211935	54
## 3540	0.50	White	0	1	0	1	2	10000	10.840776	36
## 3541	0.25	White	0	0	0	1	3	10000	10.840776	63
## 3542	1.00	White	0	1	1	1	6	10000	12.066931	31
## 3543	1.00	White	0	1	1	1	2	10000	12.066931	25
## 3544	1.00	White	0	0	1	1	5	10000	12.066931	29
## 3545	0.75	Black	0	0	1	1	3	10000	10.566201	20
## 3546	0.75	Black	0	1	1	1	4	10000	10.668979	69
## 3547	1.00	White	0	1	0	1	4	10000	11.908657	36
## 3548	1.00	White	0	0	0	1	4	10000	11.908657	37
## 3549	1.00	White	1	0	0	1	5	10000	10.428246	27
## 3550	1.00	White	0	1	0	1	2	10000	12.009650	54
## 3551	1.00	White	0	0	0	1	5	10000	12.009650	46
## 3552	0.25	Black	0	1	0	1	2	10000	11.197296	42
## 3553	0.25	Black	0	0	0	1	2	10000	11.197296	46
## 3554	0.75	White	1	1	1	1	6	10000	10.825005	65
## 3555	1.00	White	0	1	0	1	3	10000	11.467740	57
## 3556	1.00	White	0	0	0	1	2	10000	11.467740	60
## 3557	1.00	White	0	0	0	1	2	10000	11.467740	60
## 3558	1.00	Black	0	0	1	1	4	10000	11.108065	31
## 3559	1.00	Black	0	0	1	1	4	10000	11.108065	31
## 3560	1.00	Black	0	0	1	1	4	10000	11.108065	31
## 3561	1.00	Black	0	1	1	1	2	10000	11.108065	30
## 3562	1.00	Black	0	1	1	1	6	10000	11.238502	42
## 3563	1.00	White	0	1	0	1	6	10000	13.233470	38

## 3564	1.00	White	0	0	0	1	3	10000	13.233470	37
## 3565	1.00	White	0	0	0	1	3	10000	13.233470	37
## 3566	0.50	Black	1	0	0	1	5	10000	11.282266	37
## 3567	0.75	White	0	1	0	0	2	10000	11.543222	59
## 3568	0.25	White	0	0	0	0	2	10000	11.543222	59
## 3569	0.25	White	0	0	0	0	2	10000	11.543222	59
## 3570	0.25	White	0	0	0	0	2	10000	11.543222	59
## 3571	0.75	Black	0	1	1	0	1	10000	9.854770	77
## 3572	1.00	White	0	0	1	0	5	10000	11.385126	67
## 3573	0.75	White	0	1	0	0	3	10000	11.492753	30
## 3574	0.75	White	0	0	0	0	5	10000	11.492753	30
## 3575	0.50	Black	0	1	1	0	2	10000	10.129028	61
## 3576	0.25	Black	0	0	1	0	1	10000	9.971193	41
## 3577	1.00	Black	0	0	1	0	2	10000	11.320566	32
## 3578	0.75	Black	0	1	1	0	2	10000	11.320566	61
## 3579	0.75	Black	0	1	1	0	2	10000	11.320566	61
## 3580	0.75	Black	0	1	1	0	2	10000	11.320566	61
## 3581	0.75	Black	0	0	1	0	2	10000	11.320566	59
## 3582	0.50	Black	0	0	1	0	1	10000	9.807032	85
## 3583	0.50	Black	0	0	1	0	1	10000	9.472782	43
## 3584	0.25	White	0	1	1	0	2	10000	11.090095	42
## 3585	0.25	White	0	1	0	0	2	10000	11.090095	75
## 3586	0.50	White	0	0	0	0	1	10000	11.090095	69
## 3587	1.00	White	0	1	0	0	1	10000	11.002117	41
## 3588	1.00	White	0	0	0	0	1	10000	11.002117	42
## 3589	0.50	Black	0	0	0	0	2	10000	10.290144	80
## 3590	0.50	Black	0	1	0	0	2	10000	10.290144	75
## 3591	1.00	Other	0	0	1	0	4	10000	11.138261	58
## 3592	0.75	White	0	1	0	0	2	10000	11.198270	28
## 3593	0.75	White	0	0	0	0	2	10000	11.198270	30
## 3594	1.00	White	0	0	1	0	6	10000	10.409914	64
## 3595	0.25	White	0	0	1	0	1	10000	10.239102	74
## 3596	0.25	White	0	0	1	0	2	10000	11.771073	46
## 3597	0.50	White	0	0	1	0	3	10000	11.771073	25
## 3598	0.50	White	0	0	1	0	3	10000	11.771073	25
## 3599	0.50	White	0	1	0	0	2	10000	12.407874	66
## 3600	0.50	White	0	0	0	0	4	10000	12.407874	58
## 3601	1.00	White	1	0	0	0	6	10000	11.101598	49
## 3602	1.00	White	1	0	0	0	6	10000	11.101598	49
## 3603	1.00	White	0	1	0	0	3	10000	11.101598	44
## 3604	0.50	White	0	0	1	0	3	10000	11.837007	50
## 3605	0.50	White	0	0	0	0	3	10000	11.617150	61
## 3606	0.50	White	0	0	0	0	3	10000	11.617150	61
## 3607	0.25	White	0	1	0	0	2	10000	11.617150	57
## 3608	0.00	White	0	1	0	0	4	10000	11.251574	55
## 3609	0.50	White	0	0	0	0	2	10000	11.251574	59
## 3610	1.00	Black	0	1	0	0	5	10000	10.518700	60
## 3611	0.50	Black	0	0	0	0	3	10000	10.518700	76
## 3612	0.75	White	0	0	1	0	3	10000	10.968388	23
## 3613	0.50	White	0	0	1	0	6	10000	11.586641	46
## 3614	0.75	White	0	1	1	0	4	10000	11.905251	46
## 3615	0.75	White	0	0	1	0	5	10000	11.395560	71
## 3616	1.00	White	0	1	0	0	4	10000	11.106490	78
## 3617	1.00	White	0	0	0	0	4	10000	11.106490	79

## 3618	1.00	White	1	1	0	0	1	10000	11.385103	40
## 3619	1.00	White	1	0	0	0	1	10000	11.385103	43
## 3620	0.75	White	0	0	0	0	5	10000	12.023627	80
## 3621	0.25	White	0	1	0	0	5	10000	12.023627	80
## 3622	0.50	White	0	0	1	0	5	10000	12.023627	58
## 3623	0.00	White	0	1	1	0	4	10000	10.179224	59
## 3624	0.25	White	0	0	1	0	2	10000	9.472782	36
## 3625	0.75	White	0	0	0	0	3	10000	11.768428	42
## 3626	0.50	White	0	1	1	0	3	10000	10.968216	60
## 3627	0.75	White	0	0	0	0	6	10000	12.156924	60
## 3628	0.75	White	0	1	0	0	5	10000	12.156924	60
## 3629	1.00	White	0	0	1	0	3	10000	13.940425	29
## 3630	0.50	White	0	1	1	0	2	10000	13.940425	75
## 3631	0.25	Black	0	0	1	0	1	10000	9.971193	57
## 3632	0.00	White	0	0	0	0	2	10000	10.551559	52
## 3633	0.25	White	0	1	0	0	1	10000	10.551559	52
## 3634	0.50	White	0	0	0	0	3	10000	9.472782	58
## 3635	0.50	White	0	1	0	0	3	10000	9.472782	39
## 3636	0.50	Black	0	1	1	0	2	10000	10.784918	61
## 3637	0.25	Black	0	0	1	0	2	10000	10.784918	56
## 3638	0.75	Black	0	1	1	0	2	10000	10.784918	32
## 3639	1.00	Black	0	1	1	0	2	10000	9.826930	26
## 3640	0.50	White	0	0	1	0	4	10000	10.407923	67
## 3641	0.50	Black	0	0	1	0	1	10000	10.357902	54
## 3642	0.50	Black	0	1	1	0	1	10000	10.357902	45
## 3643	0.50	Black	0	0	0	0	2	10000	10.907441	85
## 3644	0.25	Black	0	1	0	0	1	10000	10.907441	70
## 3645	0.25	Black	0	1	1	0	1	10000	10.341775	78
## 3646	0.75	White	0	0	0	0	2	10000	11.151209	77
## 3647	0.50	White	0	1	0	0	2	10000	11.151209	67
## 3648	0.50	White	0	0	1	0	2	10000	11.151209	50
## 3649	0.50	White	0	0	0	0	1	10000	11.299485	61
## 3650	0.75	White	0	1	0	0	4	10000	11.299485	57
## 3651	0.50	Black	0	0	1	0	1	10000	10.344352	80
## 3652	1.00	White	0	1	1	0	1	10000	10.378261	73
## 3653	0.50	White	0	1	1	0	2	10000	10.378261	51
## 3654	0.50	White	0	0	1	0	2	10000	10.378261	45
## 3655	1.00	White	0	0	0	0	1	10000	11.280968	55
## 3656	0.50	White	0	1	0	0	2	10000	11.280968	51
## 3657	1.00	White	0	0	1	0	2	10000	11.280968	24
## 3658	0.00	Black	0	1	1	0	2	10000	10.553231	62
## 3659	0.25	White	0	0	0	0	3	10000	10.621352	59
## 3660	0.75	White	0	1	0	0	2	10000	10.621352	58
## 3661	0.00	White	0	1	1	0	1	10000	10.254884	65
## 3662	0.75	Black	0	0	1	0	1	10000	10.779185	44
## 3663	0.75	Black	0	1	1	0	2	10000	10.779185	19
## 3664	0.25	Black	0	1	1	0	2	10000	10.571343	60
## 3665	0.75	Black	0	1	1	0	5	10000	10.571343	28
## 3666	0.75	Black	0	1	1	0	2	10000	10.571343	28
## 3667	0.75	Black	0	0	0	0	6	10000	11.345701	48
## 3668	0.75	Black	0	1	0	0	2	10000	11.345701	48
## 3669	0.75	Black	0	0	1	0	4	10000	11.345701	25
## 3670	0.75	Black	0	0	1	0	2	10000	11.345701	18
## 3671	0.75	White	0	1	1	0	6	10000	10.738980	63

## 3672	0.00	White	0	1	1	0	2	10000	10.738980	79
## 3673	0.25	Black	0	1	1	0	2	10000	10.927358	55
## 3674	0.75	Black	0	1	1	0	2	10000	11.351594	33
## 3675	0.25	Black	0	0	1	0	1	10000	9.968666	67
## 3676	1.00	White	0	0	1	0	2	10000	10.714440	21
## 3677	0.50	White	0	0	0	0	2	10000	11.383989	47
## 3678	0.50	White	0	1	0	0	5	10000	11.383989	44
## 3679	0.50	Black	0	0	0	0	2	10000	11.330936	59
## 3680	0.25	Black	0	1	0	0	5	10000	11.330936	66
## 3681	0.50	White	0	1	0	0	4	10000	12.127792	62
## 3682	0.50	White	0	0	0	0	3	10000	12.127792	65
## 3683	0.75	White	0	0	0	0	2	10000	12.127792	30
## 3684	0.50	White	0	0	0	0	5	10000	12.127792	27
## 3685	0.50	White	0	1	0	0	3	10000	12.127792	31
## 3686	1.00	White	0	0	1	0	3	10000	10.188102	85
## 3687	0.50	White	0	0	0	0	2	10000	11.096561	63
## 3688	0.50	White	0	1	0	0	2	10000	11.096561	61
## 3689	0.50	White	0	0	0	0	2	10000	10.020426	36
## 3690	0.25	White	0	1	0	0	6	10000	10.020426	35
## 3691	0.25	White	0	0	1	0	2	10000	10.204370	44
## 3692	0.75	White	0	0	1	0	1	10000	11.580603	18
## 3693	0.75	White	0	0	1	0	2	10000	11.580603	47
## 3694	0.50	Black	0	1	1	0	1	10000	10.094975	60
## 3695	0.25	Black	0	1	1	0	1	10000	10.094975	57
## 3696	0.50	Black	0	0	1	0	1	10000	10.094975	21
## 3697	0.50	Black	0	1	0	0	1	10000	11.152042	57
## 3698	1.00	Black	0	0	0	0	2	10000	11.152042	65
## 3699	0.75	Black	0	0	1	0	1	10000	10.703289	46
## 3700	0.50	Black	0	1	1	0	2	10000	10.703289	65
## 3701	0.25	Black	0	0	1	0	2	10000	10.703289	62
## 3702	0.50	Other	0	0	1	0	2	10000	10.205110	64
## 3703	0.50	Other	0	0	1	0	1	10000	10.205110	31
## 3704	0.50	White	0	1	0	0	4	10000	9.472782	60
## 3705	0.50	White	0	0	0	0	3	10000	9.472782	52
## 3706	0.25	White	0	1	0	1	2	10000	10.785208	54
## 3707	0.00	White	0	1	0	1	2	10000	11.062662	79
## 3708	0.25	White	0	0	0	1	1	10000	11.062662	80
## 3709	1.00	Black	0	1	1	1	5	10000	11.198228	44
## 3710	1.00	White	0	1	1	1	2	10000	10.239996	26
## 3711	0.75	Black	0	1	1	1	2	10000	9.472782	20
## 3712	0.75	White	0	1	0	1	5	10000	12.672235	43
## 3713	0.75	White	0	0	0	1	6	10000	12.672235	46
## 3714	0.50	White	0	0	1	1	5	10000	10.917685	36
## 3715	1.00	Black	0	0	1	1	2	10000	10.341775	58
## 3716	0.75	White	0	0	1	1	3	10000	11.661354	40
## 3717	0.75	White	1	0	1	1	6	10000	11.661354	47
## 3718	1.00	White	0	0	0	1	6	10000	12.517231	33
## 3719	1.00	White	0	0	0	1	6	10000	12.517231	33
## 3720	1.00	Asian	0	1	0	1	2	10000	11.385103	32
## 3721	1.00	Asian	0	0	0	1	6	10000	11.385103	30
## 3722	0.50	Black	0	1	1	1	2	10000	10.308986	29
## 3723	1.00	Black	0	1	1	1	1	10000	9.680406	34
## 3724	0.25	White	0	1	1	1	3	10000	10.835081	85
## 3725	0.75	Black	0	1	1	1	1	10000	10.668979	41

## 3726	0.00	White	0	1	1	1	2	10000	10.574568	85
## 3727	0.75	White	0	1	1	1	2	10000	10.574568	58
## 3728	0.25	White	0	1	0	1	3	10000	10.621815	74
## 3729	0.25	White	0	0	0	1	2	10000	10.621815	74
## 3730	0.75	Other	0	0	1	1	5	10000	9.952325	38
## 3731	0.50	Black	0	1	0	1	3	10000	11.018646	53
## 3732	0.25	Black	0	0	0	1	2	10000	11.018646	56
## 3733	0.50	Black	0	1	1	1	2	10000	10.726983	29
## 3734	0.50	Black	0	1	1	1	2	10000	10.726983	29
## 3735	0.50	Black	0	1	1	1	2	10000	10.726983	50
## 3736	1.00	White	0	1	0	1	6	10000	11.679422	46
## 3737	1.00	White	0	1	0	1	6	10000	11.679422	46
## 3738	1.00	White	0	0	0	1	3	10000	11.679422	53
## 3739	1.00	White	0	0	1	1	2	10000	11.050953	72
## 3740	0.00	White	0	0	1	1	3	10000	10.239996	71
## 3741	0.50	Black	0	1	1	1	3	10000	10.714440	47
## 3742	1.00	Black	0	0	1	1	1	10000	10.714440	18
## 3743	1.00	White	0	0	1	1	2	10000	11.128747	31
## 3744	1.00	White	0	1	0	1	5	10000	12.641165	27
## 3745	1.00	White	0	0	0	1	5	10000	12.641165	27
## 3746	0.50	White	0	0	0	1	2	10000	11.050906	32
## 3747	0.50	White	0	1	0	1	3	10000	11.050906	29
## 3748	0.25	White	0	1	1	1	2	10000	11.050906	58
## 3749	0.50	White	0	1	1	1	2	10000	10.326269	61
## 3750	1.00	White	0	0	0	1	5	10000	11.388529	54
## 3751	0.50	White	0	1	0	1	3	10000	11.388529	49
## 3752	1.00	White	0	1	1	1	4	10000	11.388529	21
## 3753	0.25	White	0	0	1	1	5	10000	9.472782	36
## 3754	0.50	White	0	1	1	1	5	10000	9.472782	38
## 3755	1.00	White	0	0	0	1	5	10000	11.610551	39
## 3756	1.00	Black	0	1	0	1	6	10000	11.610551	34
## 3757	0.50	White	0	0	0	1	4	10000	11.084233	63
## 3758	0.50	White	0	1	0	1	4	10000	11.084233	57
## 3759	0.75	White	1	1	0	1	5	10000	11.958419	37
## 3760	0.75	White	0	0	0	1	5	10000	11.958419	37
## 3761	0.50	Black	0	1	0	1	5	10000	11.203120	33
## 3762	0.75	Black	0	1	1	1	2	10000	10.165967	47
## 3763	0.50	Black	0	1	0	1	2	10000	11.246365	42
## 3764	0.50	Black	0	0	0	1	2	10000	11.246365	59
## 3765	0.00	White	0	0	1	1	2	10000	9.942756	65
## 3766	0.75	White	0	0	1	1	5	10000	10.495183	24
## 3767	1.00	White	0	1	0	1	2	10000	11.512935	53
## 3768	1.00	White	0	0	0	1	2	10000	11.512935	56
## 3769	0.25	White	0	1	0	1	2	10000	10.304041	63
## 3770	0.25	White	0	0	0	1	2	10000	10.304041	57
## 3771	0.75	White	1	0	1	1	2	10000	10.647352	21
## 3772	0.75	White	1	0	1	1	2	10000	10.647352	21
## 3773	0.75	White	1	1	1	1	2	10000	10.647352	20
## 3774	0.75	White	1	1	1	1	2	10000	10.647352	19
## 3775	0.75	White	1	1	1	1	2	10000	10.647352	19
## 3776	1.00	Black	0	1	0	1	6	10000	11.847546	74
## 3777	1.00	Black	0	0	0	1	3	10000	11.847546	73
## 3778	1.00	Black	0	1	1	1	3	10000	11.847546	30
## 3779	0.50	Black	0	1	1	1	5	10000	11.847546	29

## 3780	0.50	Black	0	1	1	1	5	10000	11.847546	29
## 3781	0.25	White	0	1	0	1	3	10000	11.752265	41
## 3782	0.25	White	0	0	0	1	5	10000	11.752265	40
## 3783	0.25	White	0	0	0	1	5	10000	11.752265	40
## 3784	0.25	Asian	0	1	0	1	1	10000	10.621352	39
## 3785	1.00	White	0	0	0	1	2	10000	10.621352	60
## 3786	0.50	Black	0	1	1	1	2	10000	9.741909	22
## 3787	0.50	White	0	1	0	1	6	10000	11.418692	48
## 3788	0.50	White	0	0	0	1	3	10000	11.418692	51
## 3789	0.50	White	0	0	1	1	2	10000	11.792835	48
## 3790	0.50	White	0	0	1	1	3	10000	11.792835	20
## 3791	0.50	White	0	0	1	1	2	10000	11.792835	18
## 3792	0.25	White	0	1	0	1	5	10000	12.166692	51
## 3793	0.50	White	0	0	0	1	6	10000	12.166692	51
## 3794	1.00	White	0	1	1	1	2	10000	12.166692	19
## 3795	0.50	White	0	1	0	1	4	10000	10.137175	46
## 3796	0.25	White	0	0	0	1	2	10000	10.137175	53
## 3797	0.50	White	0	1	1	1	2	10000	11.839737	59
## 3798	0.75	White	0	0	1	1	5	10000	11.839737	37
## 3799	0.75	White	0	0	1	1	5	10000	11.839737	37
## 3800	0.25	Black	0	0	1	1	2	10000	9.472782	69
## 3801	0.50	White	0	0	1	1	3	10000	11.082158	48
## 3802	0.50	White	0	1	1	1	2	10000	9.472782	27
## 3803	1.00	White	0	0	0	1	2	10000	11.247931	64
## 3804	0.75	White	0	1	0	1	2	10000	11.247931	63
## 3805	1.00	Black	0	0	0	1	3	10000	11.543183	50
## 3806	1.00	Black	0	1	0	1	2	10000	11.543183	55
## 3807	0.50	White	1	1	1	1	2	10000	10.621352	20
## 3808	0.50	White	1	0	1	1	2	10000	10.621352	52
## 3809	0.75	White	0	0	1	1	5	10000	11.258046	27
## 3810	0.75	White	1	1	1	1	3	10000	11.258046	25
## 3811	0.75	White	0	0	1	1	3	10000	11.677448	25
## 3812	0.75	White	1	0	1	1	2	10000	11.677448	26
## 3813	0.75	White	0	1	1	1	4	10000	11.677448	22
## 3814	0.75	White	0	0	1	1	5	10000	11.225523	23
## 3815	0.75	Black	0	0	1	1	5	10000	11.225523	22
## 3816	0.25	Black	0	1	0	1	2	10000	10.779290	36
## 3817	0.25	Black	0	0	0	1	2	10000	10.779290	39
## 3818	0.25	Black	0	0	1	1	2	10000	10.779290	21
## 3819	0.25	Black	0	0	1	1	2	10000	10.779290	19
## 3820	0.25	Black	0	1	1	1	1	10000	9.472782	57
## 3821	1.00	Black	0	1	1	1	2	10000	9.472782	20
## 3822	1.00	Black	0	1	1	1	2	10000	9.472782	20
## 3823	0.75	Black	0	0	1	1	2	10000	10.616462	23
## 3824	0.50	Black	0	1	1	1	2	10000	9.993374	55
## 3825	0.50	Black	0	0	1	1	2	10000	10.513280	64
## 3826	1.00	Black	0	1	1	1	2	10000	10.431790	31
## 3827	0.00	White	0	0	0	1	2	10000	10.043380	62
## 3828	0.50	White	0	1	0	1	2	10000	10.043380	62
## 3829	0.50	Black	0	0	0	1	2	10000	10.511213	65
## 3830	0.50	Black	0	1	0	1	2	10000	10.511213	70
## 3831	0.00	Black	0	1	0	1	3	10000	11.420328	67
## 3832	0.75	Black	0	1	1	1	3	10000	11.420328	64
## 3833	1.00	Black	0	1	1	1	5	10000	11.420328	23

## 3834	0.25	Black	0	0	0	1	2	10000	10.508486	67
## 3835	0.25	Black	0	1	0	1	2	10000	10.508486	65
## 3836	0.75	Other	0	0	1	1	1	10000	10.463132	73
## 3837	0.75	Black	0	0	1	1	2	10000	10.878085	26
## 3838	0.75	Black	0	1	0	1	2	10000	10.863623	80
## 3839	0.25	Black	0	1	0	1	3	10000	10.749999	63
## 3840	0.25	White	1	0	1	1	1	10000	10.398184	63
## 3841	0.00	White	0	1	1	1	1	10000	10.398184	67
## 3842	0.25	White	0	0	1	1	1	10000	10.398184	33
## 3843	1.00	White	1	0	1	1	2	10000	11.050906	23
## 3844	0.50	White	0	1	1	1	4	10000	10.669095	31
## 3845	0.50	Black	0	1	1	1	2	10000	10.645449	45
## 3846	0.25	Black	0	1	1	1	1	10000	10.645449	72
## 3847	0.50	Black	0	1	1	1	3	10000	10.288478	79
## 3848	1.00	Black	0	0	1	1	2	10000	10.288478	50
## 3849	0.75	Black	0	1	1	1	3	10000	11.302229	59
## 3850	0.75	Black	0	1	1	1	2	10000	11.302229	72
## 3851	0.75	White	0	1	0	1	2	10000	11.644182	60
## 3852	0.75	White	0	0	0	1	3	10000	11.644182	64
## 3853	0.50	Black	0	0	1	1	3	10000	10.165890	33
## 3854	0.50	White	0	0	1	1	5	10000	11.018727	27
## 3855	1.00	White	0	1	1	1	2	10000	10.461960	85
## 3856	0.00	Black	0	1	1	1	3	10000	10.010232	56
## 3857	0.25	Black	0	1	1	1	2	10000	9.472782	75
## 3858	0.25	Black	0	0	0	0	2	10000	10.712839	53
## 3859	1.00	Black	0	0	1	0	1	10000	10.712839	18
## 3860	0.50	White	0	1	0	0	5	10000	11.985744	38
## 3861	0.50	White	0	1	0	0	5	10000	11.985744	38
## 3862	0.75	White	0	0	0	0	5	10000	11.985744	42
## 3863	0.25	Black	0	1	1	0	4	10000	11.226589	26
## 3864	0.50	Black	0	0	1	0	1	10000	11.226589	29
## 3865	0.25	White	0	1	1	0	2	10000	11.075660	37
## 3866	1.00	White	0	0	1	0	3	10000	11.075660	56
## 3867	1.00	Black	0	1	1	0	2	10000	10.518268	72
## 3868	0.50	Black	0	0	1	0	2	10000	10.518268	49
## 3869	0.50	Black	0	1	1	1	4	10000	10.571343	55
## 3870	0.50	Black	0	0	1	1	4	10000	10.571343	59
## 3871	1.00	White	0	0	1	1	4	10000	11.171857	59
## 3872	0.25	White	0	1	1	1	2	10000	11.171857	61
## 3873	1.00	White	0	1	1	1	6	10000	11.669980	70
## 3874	1.00	White	0	0	1	1	6	10000	11.669980	73
## 3875	0.50	Black	0	0	1	1	2	10000	11.391673	26
## 3876	0.50	Black	0	1	1	1	3	10000	11.391673	29
## 3877	0.50	Black	0	1	1	1	3	10000	11.391673	29
## 3878	1.00	White	0	0	1	1	6	10000	12.269052	46
## 3879	0.50	White	0	1	1	1	2	10000	10.289328	85
## 3880	0.25	Black	0	1	1	1	3	10000	10.596085	51
## 3881	0.00	Black	0	0	1	1	2	10000	10.596085	70
## 3882	0.25	White	0	0	1	1	2	10000	11.489872	77
## 3883	0.00	White	0	0	0	1	5	10000	11.372110	68
## 3884	0.25	White	0	1	0	1	3	10000	11.372110	68
## 3885	0.75	White	0	1	1	1	3	10000	11.372110	43
## 3886	0.50	White	0	0	0	1	5	10000	11.856231	63
## 3887	0.50	White	0	1	0	1	5	10000	11.856231	65

## 3888	0.75	White	0	1	0	1	6	10000	11.804027	75
## 3889	0.75	White	0	0	0	1	6	10000	11.804027	69
## 3890	1.00	White	0	1	0	1	3	10000	11.201975	63
## 3891	0.75	White	0	0	0	1	3	10000	11.201975	63
## 3892	0.75	White	0	1	0	1	3	10000	12.589050	48
## 3893	0.75	White	0	0	0	1	2	10000	12.589050	46
## 3894	1.00	Black	0	1	0	1	3	10000	10.526266	56
## 3895	0.75	Black	0	0	0	1	2	10000	10.526266	54
## 3896	0.00	Black	0	0	1	1	2	10000	10.063009	74
## 3897	0.50	Black	0	0	0	1	6	10000	11.838236	35
## 3898	0.50	Black	0	1	0	1	5	10000	11.838236	34
## 3899	0.75	Other	0	1	0	1	5	10000	11.539509	25
## 3900	0.75	Asian	0	0	0	1	5	10000	11.539509	29
## 3901	1.00	White	1	0	1	1	2	10000	10.849745	33
## 3902	1.00	White	1	0	1	1	2	10000	10.849745	30
## 3903	0.75	White	1	0	0	1	2	10000	10.849745	59
## 3904	0.75	White	1	1	0	1	5	10000	10.849745	54
## 3905	0.50	Black	0	1	1	1	3	10000	11.050906	32
## 3906	0.75	White	0	1	1	1	5	10000	11.411192	35
## 3907	0.75	White	0	0	1	1	2	10000	11.411192	18
## 3908	0.25	Black	0	0	1	1	2	10000	9.474626	59
## 3909	0.75	White	0	0	0	1	2	10000	11.810174	55
## 3910	0.75	White	0	1	0	1	4	10000	11.810174	53
## 3911	1.00	White	0	0	1	1	3	10000	11.810174	28
## 3912	0.25	Black	0	0	1	1	4	10000	9.472782	44
## 3913	0.25	Black	0	0	1	1	2	10000	11.424105	56
## 3914	1.00	Black	0	0	1	1	3	10000	11.424105	20
## 3915	1.00	Black	0	1	1	1	4	10000	10.239996	46
## 3916	0.25	White	0	0	0	1	2	10000	12.221547	85
## 3917	0.25	White	0	1	0	1	2	10000	12.221547	85
## 3918	1.00	White	0	1	1	1	6	10000	9.472782	74
## 3919	0.50	White	0	0	0	1	3	10000	10.969249	34
## 3920	0.50	White	0	1	0	1	2	10000	10.969249	34
## 3921	0.25	Black	0	1	1	1	1	10000	10.093943	50
## 3922	0.25	Black	0	1	1	1	4	10000	10.341807	66
## 3923	0.50	White	0	0	1	1	2	10000	11.098304	65
## 3924	1.00	White	0	0	1	1	6	10000	10.728123	25
## 3925	0.75	White	0	1	1	1	6	10000	10.728123	28
## 3926	1.00	White	0	0	0	1	6	10000	12.270000	54
## 3927	0.75	White	0	1	0	1	5	10000	12.270000	49
## 3928	1.00	White	1	1	1	1	2	10000	11.302229	27
## 3929	0.75	White	1	0	1	1	2	10000	11.302229	30
## 3930	0.50	White	0	0	0	1	3	10000	11.635170	61
## 3931	0.75	Black	0	1	0	1	2	10000	11.282266	29
## 3932	0.75	White	0	1	1	1	2	10000	11.451401	33
## 3933	0.75	White	1	1	1	1	6	10000	11.451401	32
## 3934	1.00	White	0	1	1	1	6	10000	11.904974	39
## 3935	1.00	Black	0	1	1	1	5	10000	11.347685	33
## 3936	1.00	Black	0	0	1	1	3	10000	11.347685	37
## 3937	0.50	White	0	0	1	1	2	10000	11.264477	53
## 3938	0.75	Black	0	1	1	1	1	10000	10.374303	54
## 3939	1.00	White	0	0	1	1	5	10000	11.411457	70
## 3940	0.75	White	0	1	1	1	6	10000	11.129628	42
## 3941	0.25	White	0	1	0	1	2	10000	10.247113	39

## 3942	0.25	White	1	0	0	1	1	10000	10.247113	40
## 3943	0.75	White	1	1	1	1	2	10000	10.247113	18
## 3944	0.75	White	0	1	0	1	6	10000	11.686996	46
## 3945	0.75	White	1	0	0	1	6	10000	11.686996	54
## 3946	0.75	White	1	0	1	1	1	10000	10.985310	36
## 3947	0.75	White	1	1	1	1	1	10000	10.985310	36
## 3948	0.50	White	0	1	0	1	5	10000	9.703877	35
## 3949	1.00	White	0	0	0	1	4	10000	9.703877	41
## 3950	1.00	White	0	0	0	1	5	10000	11.615672	29
## 3951	1.00	White	0	1	0	1	5	10000	11.615672	29
## 3952	1.00	White	0	0	0	1	5	10000	12.249137	40
## 3953	1.00	White	0	0	0	1	5	10000	12.249137	40
## 3954	1.00	Other	0	1	0	1	5	10000	12.249137	37
## 3955	1.00	Black	0	0	1	1	3	10000	10.507831	24
## 3956	1.00	White	0	0	0	1	5	10000	11.067045	37
## 3957	1.00	White	0	1	0	1	6	10000	11.067045	36
## 3958	0.25	White	0	0	0	1	6	10000	12.118618	45
## 3959	1.00	White	0	1	0	1	6	10000	12.118618	44
## 3960	0.75	Asian	0	1	0	1	6	10000	12.176391	38
## 3961	0.50	White	0	0	0	1	6	10000	12.206328	36
## 3962	0.50	White	0	1	0	1	2	10000	12.206328	29
## 3963	1.00	White	0	1	1	1	4	10000	9.472782	57
## 3964	0.50	White	0	1	0	1	2	10000	10.697837	59
## 3965	0.25	White	0	0	0	1	3	10000	10.697837	72
## 3966	0.50	Black	0	1	1	1	2	10000	10.275086	40
## 3967	0.25	Black	0	1	1	1	1	10000	10.275086	18
## 3968	1.00	White	0	0	1	1	4	10000	11.712129	37
## 3969	0.50	White	0	1	1	1	5	10000	11.712129	61
## 3970	0.50	White	0	1	1	1	5	10000	11.712129	61
## 3971	1.00	Black	0	0	0	1	3	10000	11.390780	45
## 3972	1.00	White	0	1	0	1	4	10000	11.390780	34
## 3973	0.75	White	0	1	0	1	2	10000	11.547829	65
## 3974	0.75	White	0	0	0	1	5	10000	11.547829	60
## 3975	0.50	Black	0	1	1	1	5	10000	11.514704	34
## 3976	0.75	Black	0	0	1	1	3	10000	11.514704	35
## 3977	1.00	White	0	0	0	1	5	10000	12.005571	36
## 3978	1.00	White	0	1	0	1	5	10000	12.005571	37
## 3979	0.00	White	0	0	0	1	2	10000	10.401653	39
## 3980	0.25	Black	0	1	1	1	2	10000	9.472782	56
## 3981	0.25	Black	0	1	1	1	1	10000	10.986258	69
## 3982	0.25	Black	0	1	1	1	1	10000	10.986258	45
## 3983	0.50	White	0	0	0	1	3	10000	11.975162	66
## 3984	0.50	White	0	1	0	1	5	10000	11.975162	66
## 3985	1.00	White	0	0	1	1	5	10000	11.975162	40
## 3986	1.00	White	1	0	0	1	6	10000	11.385103	40
## 3987	1.00	White	1	0	0	1	6	10000	11.385103	40
## 3988	1.00	White	1	1	0	1	6	10000	11.385103	40
## 3989	1.00	White	0	1	0	1	6	10000	13.087774	38
## 3990	1.00	White	0	0	0	1	6	10000	13.087774	39
## 3991	1.00	Other	0	0	1	1	5	10000	11.627191	53
## 3992	0.50	White	0	1	1	1	2	10000	11.627191	80
## 3993	1.00	White	0	1	1	1	6	10000	11.627191	55
## 3994	0.50	Black	0	0	1	1	3	10000	11.216956	46
## 3995	0.75	Black	0	1	1	1	3	10000	11.216956	40

## 3996	0.50	Black	0	0	0	1	3	10000	11.268316	40
## 3997	0.75	Black	0	1	0	1	3	10000	11.268316	41
## 3998	0.50	Black	0	1	1	1	2	10000	11.268316	60
## 3999	0.75	Black	0	1	1	1	6	10000	11.829202	66
## 4000	0.50	Black	0	0	0	1	4	10000	11.249025	33
## 4001	0.25	Black	0	1	0	1	6	10000	11.249025	59
## 4002	0.75	White	0	1	0	1	3	10000	12.010684	34
## 4003	0.75	White	0	0	0	1	5	10000	12.010684	34
## 4004	0.75	Black	0	1	1	1	5	10000	11.291293	42
## 4005	1.00	Black	0	0	1	1	6	10000	11.115741	52
## 4006	1.00	White	0	1	0	1	6	10000	12.269991	33
## 4007	1.00	White	0	0	0	1	6	10000	12.269991	32
## 4008	0.25	White	0	0	0	1	1	10000	10.698943	80
## 4009	0.25	White	0	1	0	1	1	10000	10.698943	73
## 4010	0.50	White	0	1	0	1	3	10000	11.505931	43
## 4011	0.75	White	0	0	0	1	3	10000	11.505931	44
## 4012	0.25	White	0	1	0	1	2	10000	10.169729	47
## 4013	1.00	White	0	0	0	1	1	10000	10.169729	47
## 4014	0.00	White	0	1	1	1	2	10000	10.581546	72
## 4015	1.00	Black	0	1	0	1	1	10000	11.447950	43
## 4016	1.00	Black	0	0	0	1	2	10000	11.447950	38
## 4017	1.00	Black	0	1	1	1	2	10000	11.447950	21
## 4018	1.00	Black	0	0	1	1	2	10000	11.447950	19
## 4019	0.50	White	0	0	0	1	2	10000	11.635178	73
## 4020	0.75	White	0	1	0	1	6	10000	11.635178	72
## 4021	0.50	White	0	1	1	1	5	10000	10.971658	39
## 4022	0.50	White	0	1	1	1	5	10000	10.971658	39
## 4023	0.50	White	0	0	1	1	1	10000	10.668979	55
## 4024	0.75	White	0	1	0	1	6	10000	11.451996	66
## 4025	1.00	White	1	0	0	1	2	10000	11.451996	45
## 4026	0.75	Black	0	1	1	1	2	10000	10.567129	80
## 4027	0.75	Black	0	1	1	1	5	10000	10.567129	52
## 4028	0.50	White	0	1	0	1	4	10000	10.740735	57
## 4029	1.00	White	0	0	0	1	2	10000	10.740735	55
## 4030	0.50	White	0	1	1	1	2	10000	10.740735	40
## 4031	0.50	White	0	1	0	1	2	10000	12.035053	58
## 4032	0.75	White	0	0	0	1	4	10000	12.035053	58
## 4033	0.75	Black	0	1	0	1	4	10000	11.661354	35
## 4034	0.75	Black	0	0	0	1	2	10000	11.661354	41
## 4035	0.75	Black	0	0	1	1	2	10000	10.586610	58
## 4036	0.00	White	0	1	1	1	1	10000	10.509905	80
## 4037	0.00	White	0	1	1	1	2	10000	10.509905	62
## 4038	0.00	White	0	0	1	1	3	10000	10.851219	71
## 4039	0.75	Black	0	1	1	1	6	10000	10.878085	38
## 4040	0.50	White	0	0	1	1	3	10000	10.841559	33
## 4041	0.50	White	0	0	1	1	3	10000	10.841559	33
## 4042	0.75	White	0	0	1	1	5	10000	11.429718	54
## 4043	0.50	Black	0	1	1	1	2	10000	10.968216	57
## 4044	0.50	White	0	0	0	1	2	10000	11.761167	61
## 4045	0.25	White	0	1	0	1	3	10000	11.761167	59
## 4046	0.75	White	0	1	1	1	3	10000	10.879179	34
## 4047	0.75	White	0	0	1	1	1	10000	10.879179	63
## 4048	0.75	White	0	0	1	1	5	10000	10.879179	35
## 4049	1.00	White	0	1	1	1	3	10000	10.624299	74

## 4050	0.25	White	0	0	0	1	2	10000	10.295428	74
## 4051	0.50	White	0	1	0	1	2	10000	10.295428	70
## 4052	0.50	White	0	1	0	1	2	10000	11.635170	59
## 4053	0.75	White	0	1	0	1	2	10000	12.047358	53
## 4054	0.75	White	0	0	0	1	2	10000	12.047358	53
## 4055	0.50	White	0	1	1	1	2	10000	10.128709	80
## 4056	0.75	White	0	1	1	1	4	10000	10.529453	39
## 4057	1.00	Black	0	1	1	1	2	10000	9.472782	28
## 4058	0.00	Black	0	1	1	1	1	10000	10.103854	63
## 4059	0.50	Black	0	1	1	1	2	10000	10.103854	20
## 4060	0.25	White	0	1	0	1	3	10000	11.393241	61
## 4061	0.25	White	0	0	0	1	2	10000	11.393241	64
## 4062	1.00	White	0	0	1	1	1	10000	10.355995	53
## 4063	0.25	White	0	1	1	1	2	10000	10.355995	72
## 4064	0.75	White	0	0	0	1	5	10000	12.320178	43
## 4065	0.75	White	0	1	0	1	5	10000	12.320178	35
## 4066	0.50	Black	0	0	0	1	2	10000	11.198352	41
## 4067	0.50	White	0	1	0	1	2	10000	11.198352	32
## 4068	0.25	Black	0	1	1	1	3	10000	9.472782	37
## 4069	0.00	White	0	0	0	1	2	10000	10.785208	59
## 4070	0.75	White	0	0	1	1	5	10000	11.036566	27
## 4071	0.75	Black	0	1	1	1	5	10000	10.736527	54
## 4072	0.25	White	0	0	0	1	3	10000	11.988004	60
## 4073	0.50	White	0	1	0	1	2	10000	11.988004	59
## 4074	0.50	White	0	0	1	1	3	10000	11.988004	31
## 4075	0.50	Black	0	0	1	1	5	10000	12.216642	57
## 4076	0.75	Black	0	1	1	1	3	10000	12.216642	20
## 4077	0.00	White	0	1	1	1	3	10000	11.669083	68
## 4078	0.50	White	0	0	0	1	2	10000	11.669083	24
## 4079	1.00	White	0	1	0	1	5	10000	11.669083	23
## 4080	1.00	White	0	0	0	1	5	10000	12.176391	54
## 4081	0.75	White	0	1	0	1	6	10000	12.760768	57
## 4082	0.75	White	0	0	0	1	6	10000	12.760768	59
## 4083	0.50	White	0	0	1	1	2	10000	10.404293	32
## 4084	1.00	White	0	0	0	1	5	10000	11.596908	29
## 4085	1.00	White	0	1	0	1	5	10000	11.596908	29
## 4086	0.75	White	0	0	0	1	5	10000	11.239514	28
## 4087	0.75	White	0	0	0	1	5	10000	11.239514	28
## 4088	0.75	White	0	1	0	1	4	10000	11.239514	26
## 4089	0.50	White	0	1	0	1	2	10000	10.401653	39
## 4090	1.00	White	0	0	0	1	6	10000	12.664671	36
## 4091	1.00	White	0	1	0	1	6	10000	12.664671	33
## 4092	0.25	Black	0	1	1	1	1	10000	10.615015	18
## 4093	0.50	Black	0	1	1	1	2	10000	10.500977	29
## 4094	0.50	White	1	0	0	1	2	10000	11.314670	41
## 4095	0.50	White	1	1	0	1	2	10000	11.314670	44
## 4096	0.25	White	0	1	1	1	1	10000	10.414183	80
## 4097	0.50	White	0	1	1	1	2	10000	10.579514	68
## 4098	1.00	White	0	1	0	1	4	10000	12.144522	54
## 4099	0.75	Black	0	0	0	1	3	10000	10.778977	32
## 4100	0.75	Black	0	1	0	1	2	10000	10.778977	35
## 4101	0.50	White	0	0	0	1	5	10000	10.428305	59
## 4102	0.50	White	0	0	1	1	2	10000	10.463903	30
## 4103	0.50	White	0	1	0	1	5	10000	11.784486	27

## 4104	0.50	White	1	0	0	1	5	10000	11.784486	30
## 4105	0.75	White	0	0	0	1	5	10000	11.787081	37
## 4106	0.50	Black	0	1	1	1	4	10000	10.615015	39
## 4107	0.50	White	0	0	1	1	2	10000	10.819878	30
## 4108	0.50	White	0	1	1	1	2	10000	10.819878	19
## 4109	0.50	White	1	1	1	1	3	10000	11.314670	23
## 4110	0.50	Black	0	1	1	1	4	10000	10.571343	41
## 4111	0.50	Black	0	1	0	1	6	10000	10.803974	66
## 4112	0.50	Black	0	0	0	1	4	10000	10.803974	69
## 4113	0.75	White	0	0	1	1	1	10000	10.778977	33
## 4114	0.50	Black	0	1	1	1	2	10000	9.998843	22
## 4115	0.25	White	0	1	1	1	2	10000	10.353288	75
## 4116	0.50	White	0	1	0	1	5	10000	10.428305	59
## 4117	0.25	White	0	1	0	1	1	10000	10.416341	55
## 4118	0.00	White	0	0	0	1	3	10000	10.416341	65
## 4119	1.00	White	0	1	1	1	4	10000	9.503085	70
## 4120	0.50	White	0	0	1	1	1	10000	10.404293	27
## 4121	0.50	White	0	1	0	1	5	10000	12.004788	42
## 4122	0.50	Black	0	0	0	1	5	10000	12.286735	57
## 4123	0.50	Black	0	1	0	1	3	10000	12.286735	55
## 4124	0.50	Black	0	1	1	1	6	10000	12.286735	31
## 4125	0.50	White	0	0	0	1	1	10000	10.778977	54
## 4126	0.50	White	0	1	1	1	5	10000	10.371771	80
## 4127	0.75	Black	0	0	1	1	2	10000	10.758094	80
## 4128	0.25	Black	0	1	1	1	2	10000	11.051874	76
## 4129	0.25	Black	0	1	0	1	3	10000	10.596935	80
## 4130	1.00	Black	0	1	1	1	5	10000	11.051874	45
## 4131	1.00	Black	0	0	1	1	4	10000	11.051874	21
## 4132	0.25	Black	0	0	0	1	2	10000	10.596935	80
## 4133	0.25	Black	0	1	1	1	6	10000	10.596935	53
## 4134	0.50	White	0	0	0	1	4	10000	12.004788	43
## 4135	0.75	White	0	0	0	1	5	10000	10.373522	54
## 4136	0.50	White	0	1	0	1	2	10000	10.778977	52
## 4137	0.25	White	0	1	0	1	6	10000	10.373522	48
## 4138	0.75	White	0	1	0	1	6	11000	12.106335	33
## 4139	0.00	Black	0	0	0	1	2	11000	10.189005	85
## 4140	0.25	White	0	1	1	1	2	11000	12.120782	72
## 4141	0.75	Black	0	0	0	1	5	11000	12.571139	46
## 4142	0.50	Black	0	1	0	1	5	11000	12.341931	49
## 4143	0.50	Black	0	0	0	1	2	11000	12.341931	53
## 4144	0.75	White	0	0	0	1	5	11000	12.120782	47
## 4145	0.75	White	0	0	0	1	6	11000	12.611641	36
## 4146	0.50	White	1	0	0	1	6	11000	12.106335	33
## 4147	0.75	Black	0	1	0	1	6	11000	12.571139	48
## 4148	0.00	Black	0	1	0	1	2	11000	10.189005	85
## 4149	0.25	White	1	1	1	1	1	11000	10.239996	40
## 4150	1.00	White	0	0	1	1	4	11000	12.967581	48
## 4151	0.75	Other	0	0	1	1	6	11000	11.599112	35
## 4152	1.00	White	0	0	1	1	6	11000	11.736877	41
## 4153	0.50	Black	0	1	1	1	2	11000	12.341931	69
## 4154	1.00	Black	0	0	1	1	3	11000	12.341931	27
## 4155	0.75	Black	0	1	1	1	6	11000	10.126671	55
## 4156	0.75	White	0	1	0	1	5	11000	12.120782	46
## 4157	1.00	White	0	1	0	1	6	11000	12.611641	34

## 4158	0.75	Black	0	0	0	1	5	11000	12.600743	69
## 4159	0.75	Asian	0	0	0	1	6	11000	12.310081	39
## 4160	0.75	White	1	1	1	1	6	11000	11.842323	25
## 4161	0.50	White	0	0	0	1	6	11000	12.726451	74
## 4162	0.50	White	0	1	0	1	6	11000	12.726451	65
## 4163	0.75	White	0	0	0	1	6	11000	14.122198	66
## 4164	0.75	White	0	1	0	1	6	11000	14.122198	65
## 4165	0.75	White	0	0	0	1	6	11000	12.333150	48
## 4166	1.00	White	0	1	0	1	6	11000	12.001598	40
## 4167	1.00	White	0	0	0	1	6	11000	12.001598	40
## 4168	1.00	White	0	0	1	1	5	11000	12.445554	29
## 4169	1.00	White	0	1	1	1	5	11000	12.445554	30
## 4170	0.50	Black	0	1	0	1	6	11000	12.600743	74
## 4171	0.25	Black	0	1	1	1	1	11000	10.160646	73
## 4172	0.50	Black	0	1	1	1	2	11000	10.055049	77
## 4173	0.75	Asian	0	1	0	1	6	11000	12.310081	47
## 4174	0.75	Black	0	0	1	1	3	11000	11.551155	67
## 4175	0.50	White	0	1	1	1	6	11000	11.551155	55
## 4176	0.25	Black	0	1	1	1	3	11000	10.275086	29
## 4177	1.00	White	0	0	1	1	5	11000	11.870677	35
## 4178	1.00	White	0	1	1	1	6	11000	11.989861	45
## 4179	0.50	Black	0	0	0	1	2	11000	11.114252	85
## 4180	0.50	White	0	1	1	1	6	11000	10.424659	75
## 4181	0.75	White	1	1	1	1	5	11000	11.034906	32
## 4182	0.75	White	1	0	1	1	5	11000	11.034906	34
## 4183	1.00	Black	1	0	1	1	2	11000	11.198228	26
## 4184	0.50	White	1	1	1	1	5	11000	13.129432	56
## 4185	1.00	White	1	0	1	1	1	11000	13.129432	44
## 4186	0.50	White	1	0	1	1	1	11000	13.129432	27
## 4187	1.00	White	0	0	0	1	6	11000	13.279369	80
## 4188	1.00	White	0	1	0	1	6	11000	13.279369	68
## 4189	1.00	White	0	0	0	1	5	11000	13.322199	43
## 4190	1.00	White	0	1	0	1	5	11000	13.322199	35
## 4191	1.00	White	0	0	1	1	5	11000	12.080940	26
## 4192	1.00	Asian	0	0	1	1	3	11000	12.080940	26
## 4193	1.00	White	0	0	1	1	5	11000	12.080940	25
## 4194	1.00	White	0	1	1	1	5	11000	12.080940	23
## 4195	0.75	White	0	1	0	1	5	11000	11.694880	43
## 4196	0.75	White	0	0	0	1	5	11000	11.694880	48
## 4197	0.75	White	0	0	0	1	5	11000	11.694880	48
## 4198	1.00	White	0	0	0	1	5	11000	12.056418	33
## 4199	1.00	Asian	0	1	0	1	6	11000	12.056418	31
## 4200	0.75	White	0	0	1	1	5	11000	12.170979	37
## 4201	0.75	White	0	1	1	1	6	11000	12.170979	37
## 4202	0.50	Black	0	0	1	1	5	11000	10.153351	54
## 4203	0.25	Black	0	0	1	1	2	11000	10.153351	51
## 4204	1.00	White	0	1	1	1	5	11000	9.746892	23
## 4205	0.75	White	1	0	1	1	5	11000	11.599112	29
## 4206	1.00	Asian	0	1	1	1	5	11000	11.856593	24
## 4207	0.50	White	0	1	0	1	2	11000	11.114252	85
## 4208	0.75	White	0	0	0	1	6	11000	12.283038	70
## 4209	0.75	White	0	1	0	1	6	11000	12.283038	64
## 4210	0.75	White	0	0	0	1	5	11000	11.373905	25
## 4211	0.75	White	0	1	0	1	6	11000	11.373905	27

## 4212	1.00	White	0	1	1	1	6	11000	11.151783	24
## 4213	1.00	White	0	1	0	1	5	11000	14.094279	47
## 4214	1.00	White	0	0	0	1	6	11000	14.094279	45
## 4215	1.00	Other	0	1	1	1	6	11000	11.892101	32
## 4216	0.75	White	0	0	1	1	6	11000	11.722992	36
## 4217	0.25	Black	0	1	1	1	3	11000	11.545402	61
## 4218	1.00	Black	0	1	1	1	3	11000	11.545402	34
## 4219	1.00	Black	0	1	1	1	3	11000	11.545402	32
## 4220	1.00	Black	0	0	1	1	2	11000	11.545402	59
## 4221	0.25	Black	0	0	1	1	1	11000	10.613000	71
## 4222	1.00	White	0	0	1	1	2	11000	12.747935	53
## 4223	1.00	White	1	0	1	1	5	11000	12.747935	49
## 4224	0.75	White	1	1	1	1	6	11000	12.156814	29
## 4225	1.00	Black	0	1	1	1	5	11000	12.156814	30
## 4226	1.00	Black	0	1	1	1	5	11000	10.422460	53
## 4227	0.25	Black	0	1	1	1	5	11000	10.681504	78
## 4228	0.25	Black	0	0	1	1	2	11000	10.681504	75
## 4229	1.00	White	1	1	0	1	5	11000	12.483708	40
## 4230	0.75	White	0	0	0	1	2	11000	12.483708	51
## 4231	1.00	White	0	0	0	1	6	11000	13.079166	72
## 4232	1.00	White	0	1	0	1	6	11000	13.079166	71
## 4233	0.50	Black	0	1	0	1	6	11000	11.873930	75
## 4234	0.50	Black	0	0	0	1	5	11000	11.873930	76
## 4235	1.00	White	0	1	0	1	5	11000	12.535783	35
## 4236	1.00	White	0	0	0	1	6	11000	12.535783	35
## 4237	1.00	Black	0	0	0	1	5	11000	10.545394	57
## 4238	0.75	White	1	0	1	1	6	11000	12.034103	47
## 4239	1.00	Other	0	1	0	1	5	11000	12.203595	35
## 4240	1.00	White	0	0	0	1	6	11000	12.203595	32
## 4241	1.00	Other	0	0	1	1	5	11000	12.479913	39
## 4242	0.50	Black	0	1	1	1	3	11000	10.943605	46
## 4243	0.00	Black	0	1	1	1	2	11000	10.943605	20
## 4244	0.25	Black	0	1	1	1	4	11000	10.943605	67
## 4245	0.50	Black	0	1	1	1	5	11000	11.268954	46
## 4246	1.00	Black	0	1	1	1	6	11000	11.707719	38
## 4247	1.00	Black	0	1	1	1	6	11000	10.571368	32
## 4248	0.75	White	0	0	1	1	6	11000	11.351594	26
## 4249	1.00	White	1	0	0	1	1	11000	11.222667	22
## 4250	0.50	White	1	1	0	1	2	11000	11.222667	28
## 4251	1.00	White	1	1	1	1	1	11000	11.222667	40
## 4252	0.75	Black	1	0	1	1	5	11000	10.595159	66
## 4253	0.75	Black	1	0	1	1	5	11000	10.595159	66
## 4254	1.00	Black	0	1	1	1	2	11000	10.400377	45
## 4255	1.00	Black	0	0	1	1	2	11000	10.400377	26
## 4256	1.00	Black	0	1	1	1	1	11000	10.400377	18
## 4257	0.75	White	0	0	1	1	5	11000	12.339733	53
## 4258	0.75	White	1	0	0	1	6	11000	12.591849	74
## 4259	0.75	White	1	1	0	1	5	11000	12.591849	68
## 4260	0.75	White	0	0	0	1	6	11000	14.082909	69
## 4261	1.00	White	1	1	0	1	6	11000	14.082909	46
## 4262	0.00	White	1	1	1	1	2	11000	14.082909	80
## 4263	0.75	White	0	0	1	1	5	11000	12.157413	34
## 4264	0.25	Black	0	1	1	1	1	11000	10.313509	85
## 4265	0.25	Black	0	1	0	1	3	11000	10.852458	80

## 4266	0.25	Black	0	0	0	1	2	11000	10.852458	80
## 4267	0.75	White	1	1	1	1	3	11000	11.842323	50
## 4268	0.50	White	1	1	1	1	1	11000	10.012925	80
## 4269	0.75	Asian	0	0	1	1	6	11000	10.222159	44
## 4270	1.00	White	0	1	0	1	6	11000	13.609717	48
## 4271	0.75	White	0	0	0	1	6	11000	13.609717	51
## 4272	0.75	Other	0	1	1	1	2	11000	13.609717	41
## 4273	0.50	White	0	0	1	1	6	11000	12.596766	70
## 4274	0.75	White	0	1	1	1	6	11000	12.596766	28
## 4275	0.50	White	0	1	1	1	6	11000	12.596766	28
## 4276	1.00	White	0	0	1	1	6	11000	12.518146	34
## 4277	0.00	Black	0	1	1	1	5	11000	11.112642	73
## 4278	0.00	Black	0	1	1	1	1	11000	11.112642	85
## 4279	0.50	White	0	0	1	1	6	11000	12.196027	27
## 4280	1.00	White	0	1	1	1	5	11000	12.170736	65
## 4281	0.50	White	0	0	1	1	5	11000	11.085537	28
## 4282	1.00	Black	0	1	0	1	5	11000	11.938200	50
## 4283	1.00	Black	0	0	0	1	2	11000	11.938200	54
## 4284	1.00	Black	0	1	1	1	2	11000	10.136066	47
## 4285	0.75	White	0	0	0	1	6	11000	12.675460	44
## 4286	0.75	White	0	1	0	1	6	11000	12.675460	42
## 4287	0.50	Black	0	0	1	1	6	11000	12.607413	63
## 4288	0.50	Black	0	0	1	1	3	11000	12.607413	51
## 4289	0.50	Black	0	0	1	1	5	11000	12.607413	35
## 4290	0.50	Black	0	1	1	1	2	11000	11.091651	79
## 4291	0.50	Black	0	1	1	1	6	11000	10.868416	35
## 4292	0.50	Black	0	1	1	1	2	11000	10.868416	55
## 4293	0.50	Asian	0	1	0	1	6	11000	11.891786	33
## 4294	1.00	White	1	1	1	1	6	11000	11.151783	25
## 4295	0.75	Asian	0	0	0	1	6	11000	12.796664	52
## 4296	0.75	White	0	1	0	1	6	11000	12.796664	54
## 4297	0.75	Other	0	0	1	1	3	11000	12.796664	21
## 4298	0.75	Other	0	0	1	1	3	11000	12.796664	21
## 4299	0.75	Other	0	1	1	1	3	11000	12.796664	19
## 4300	1.00	White	0	0	1	1	5	11000	12.339086	31
## 4301	1.00	White	0	0	1	1	5	11000	12.339086	31
## 4302	0.50	White	0	1	1	1	6	11000	12.339086	33
## 4303	0.50	White	0	1	1	1	6	11000	11.779144	34
## 4304	0.50	White	1	1	1	1	5	11000	13.129432	63
## 4305	0.25	Other	1	1	1	1	3	11000	9.472782	54
## 4306	0.75	Black	0	0	0	1	6	11000	12.576467	47
## 4307	0.75	Black	0	1	0	1	6	11000	12.576467	48
## 4308	1.00	White	0	1	1	1	6	11000	12.123354	37
## 4309	0.75	White	0	0	1	1	5	11000	11.798112	25
## 4310	0.75	White	0	0	1	1	5	11000	11.798112	23
## 4311	0.75	Black	1	0	0	1	6	11000	10.795158	80
## 4312	0.50	Black	0	1	0	1	6	11000	10.795158	76
## 4313	0.25	Black	0	0	1	1	2	11000	10.463132	40
## 4314	0.50	Black	0	1	1	1	1	11000	10.463132	78
## 4315	1.00	White	0	0	1	1	5	11000	11.573465	35
## 4316	0.75	White	0	1	0	1	6	11000	12.094208	38
## 4317	0.75	White	0	0	0	1	5	11000	12.094208	38
## 4318	1.00	White	0	0	1	1	5	11000	12.094208	33
## 4319	0.75	Other	0	0	0	1	6	11000	12.269554	36

## 4320	0.75	White	0	1	0	1	6	11000	12.269554	38
## 4321	1.00	Asian	0	1	1	1	5	11000	11.654521	30
## 4322	1.00	White	0	1	0	1	6	11000	11.893271	34
## 4323	1.00	White	0	0	0	1	5	11000	11.893271	35
## 4324	0.50	Black	0	1	1	1	4	11000	10.999463	66
## 4325	1.00	White	0	1	1	1	6	11000	11.856593	26
## 4326	1.00	White	0	1	1	1	6	11000	11.856593	26
## 4327	0.25	Black	0	1	1	1	5	11000	9.767210	59
## 4328	0.25	Black	0	1	1	1	5	11000	9.767210	85
## 4329	1.00	Asian	0	1	1	1	5	11000	11.951484	26
## 4330	1.00	White	0	1	1	1	5	11000	11.951484	26
## 4331	1.00	White	0	0	1	1	5	11000	11.951484	24
## 4332	0.50	White	1	1	1	1	6	11000	11.026809	62
## 4333	0.00	White	1	1	1	1	5	11000	11.026809	85
## 4334	0.50	Black	0	0	0	1	6	11000	11.395818	80
## 4335	0.75	Black	0	1	0	1	6	11000	11.395818	70
## 4336	0.50	Black	0	1	1	1	5	11000	10.871611	80
## 4337	0.75	Black	0	1	1	1	6	11000	11.067903	62
## 4338	0.75	White	0	0	0	1	6	11000	12.160929	49
## 4339	0.75	White	0	1	0	1	3	11000	12.160929	48
## 4340	0.75	Black	0	0	1	1	5	11000	11.127307	44
## 4341	1.00	White	0	0	1	1	6	11000	12.044741	52
## 4342	1.00	Asian	0	1	1	1	6	11000	12.044741	59
## 4343	1.00	White	1	1	1	1	2	11000	12.257293	34
## 4344	1.00	White	1	0	1	1	5	11000	12.257293	37
## 4345	0.50	White	0	0	0	1	6	11000	12.061139	58
## 4346	0.50	White	0	0	0	1	6	11000	12.061139	58
## 4347	0.25	White	1	0	0	1	6	11000	12.061139	44
## 4348	0.75	Black	0	1	1	1	5	11000	11.209710	85
## 4349	0.50	Black	0	0	0	1	2	11000	11.852187	44
## 4350	0.00	Black	0	1	0	1	1	11000	11.852187	41
## 4351	0.50	Black	0	0	0	1	5	11000	11.387487	56
## 4352	0.50	Black	0	0	0	1	5	11000	11.387487	56
## 4353	0.50	Black	0	1	0	1	6	11000	11.387487	52
## 4354	0.75	Black	0	1	1	1	2	11000	10.538608	69
## 4355	0.50	Black	0	0	1	1	2	11000	10.538608	41
## 4356	0.50	Black	0	0	1	1	2	11000	10.538608	35
## 4357	0.75	Black	0	1	1	1	6	11000	9.472782	64
## 4358	0.50	Black	0	1	1	1	1	11000	9.488048	66
## 4359	0.50	Black	0	0	1	1	2	11000	9.488048	28
## 4360	0.50	Black	0	1	1	1	4	11000	11.042938	64
## 4361	0.50	Black	0	0	1	1	2	11000	10.167581	65
## 4362	0.50	Black	0	0	1	1	3	11000	10.213066	66
## 4363	1.00	White	0	0	0	1	5	11000	10.929314	34
## 4364	1.00	Asian	0	1	0	1	6	11000	10.929314	28
## 4365	0.75	Black	0	1	1	1	3	11000	11.215880	39
## 4366	0.75	Black	0	1	1	1	1	11000	9.554001	85
## 4367	0.75	White	0	1	1	1	5	11000	12.131909	30
## 4368	0.75	White	1	0	1	1	6	11000	12.131909	36
## 4369	0.75	White	1	0	1	1	6	11000	12.131909	36
## 4370	0.50	Black	0	0	1	1	1	11000	11.186378	85
## 4371	0.50	Black	0	1	0	1	2	11000	11.186378	45
## 4372	0.50	Black	0	1	0	1	2	11000	11.186378	45
## 4373	0.50	Black	0	0	1	1	2	11000	11.186378	31

## 4374	0.50	Black	0	0	1	1	2	11000	11.186378	26
## 4375	0.75	Black	0	1	1	1	3	11000	11.186378	38
## 4376	0.50	Black	0	1	1	1	2	11000	11.186378	63
## 4377	0.75	Black	0	0	1	1	5	11000	11.327331	63
## 4378	0.25	Black	0	0	1	1	2	11000	11.327331	43
## 4379	0.75	White	0	1	0	1	6	11000	12.493883	40
## 4380	0.75	White	0	0	0	1	5	11000	12.493883	40
## 4381	0.75	White	0	0	0	1	5	11000	12.493883	40
## 4382	1.00	White	0	0	0	1	6	11000	12.748516	37
## 4383	1.00	White	0	1	0	1	6	11000	12.748516	39
## 4384	0.75	White	1	0	1	1	6	11000	11.507923	30
## 4385	0.75	Black	0	1	1	1	2	11000	9.472782	85
## 4386	0.75	Black	0	1	1	1	1	11000	9.472782	72
## 4387	0.25	Black	0	1	1	1	3	11000	10.071921	77
## 4388	0.25	Black	0	0	1	1	3	11000	11.440366	71
## 4389	0.50	Black	0	0	1	1	3	11000	11.440366	50
## 4390	0.50	Black	0	1	1	1	1	11000	9.472782	26
## 4391	0.50	Black	0	1	1	1	3	11000	9.472782	56
## 4392	0.75	White	1	0	1	1	6	11000	12.046408	36
## 4393	0.25	Black	0	1	1	1	1	11000	9.472782	54
## 4394	0.75	White	0	1	0	1	6	11000	12.333150	46
## 4395	0.75	White	0	1	1	1	6	11000	11.440581	30
## 4396	0.25	White	0	1	1	1	5	11000	11.440581	28
## 4397	0.25	Black	0	1	1	1	5	11000	11.440581	26
## 4398	1.00	White	0	1	1	1	5	11000	11.440581	26
## 4399	0.75	Black	0	0	1	1	4	11000	11.097425	61
## 4400	0.75	White	0	1	0	1	6	11000	12.128365	44
## 4401	0.75	White	0	0	0	1	6	11000	12.128365	44
## 4402	0.75	Black	0	1	1	1	2	11000	10.665064	79
## 4403	0.75	Black	0	0	1	1	6	11000	11.445620	42
## 4404	0.25	Black	0	0	1	1	2	11000	9.990582	64
## 4405	0.50	Other	0	1	1	1	1	11000	9.472782	70
## 4406	0.50	Black	0	1	1	1	2	11000	10.421716	48
## 4407	0.50	Black	0	1	1	1	4	11000	10.085851	29
## 4408	0.50	Black	0	1	1	1	4	11000	10.085851	29
## 4409	0.25	Black	0	1	1	1	2	11000	9.852247	40
## 4410	0.50	Black	0	1	1	1	2	11000	9.472782	76
## 4411	0.75	Black	0	1	1	1	1	11000	10.668979	30
## 4412	0.50	Black	0	1	1	1	2	11000	10.545368	42
## 4413	0.00	Black	0	0	0	1	1	11000	10.079959	61
## 4414	0.50	Black	0	1	0	1	2	11000	10.079959	57
## 4415	0.25	White	0	0	0	1	5	11000	11.891786	36
## 4416	1.00	White	0	0	1	1	6	11000	12.337105	30
## 4417	1.00	White	0	0	1	1	5	11000	12.337105	29
## 4418	1.00	White	0	0	1	1	5	11000	12.337105	28
## 4419	0.50	Black	0	1	1	1	3	11000	9.715047	80
## 4420	1.00	White	0	0	1	1	4	11000	12.273764	46
## 4421	0.50	Black	0	1	1	1	2	11000	9.472782	48
## 4422	1.00	Black	0	0	1	1	2	11000	9.472782	26
## 4423	0.50	Black	0	0	1	1	1	11000	9.951373	67
## 4424	0.50	Black	0	1	0	1	2	11000	10.240067	38
## 4425	0.75	Black	0	1	1	1	2	11000	10.240067	19
## 4426	1.00	White	0	0	0	1	5	11000	12.792611	49
## 4427	1.00	White	0	1	0	1	5	11000	12.792611	50

## 4428	0.75	Other	0	0	0	1	6	11000	10.182369	76
## 4429	0.75	Other	0	1	0	1	5	11000	10.182369	76
## 4430	1.00	Black	0	1	0	1	6	11000	13.160724	51
## 4431	1.00	Black	0	1	0	1	6	11000	13.160724	51
## 4432	1.00	Black	0	0	0	1	6	11000	13.160724	48
## 4433	0.25	Black	0	1	1	1	6	11000	12.273885	69
## 4434	1.00	Black	0	1	1	1	5	11000	12.273885	23
## 4435	0.75	White	0	0	0	1	6	11000	12.935123	43
## 4436	1.00	White	0	1	0	1	6	11000	12.935123	43
## 4437	1.00	Black	0	1	1	1	5	11000	11.837701	43
## 4438	0.25	Black	0	1	1	1	2	11000	11.109773	77
## 4439	0.50	Black	0	0	0	1	2	11000	10.596660	37
## 4440	0.50	Black	0	0	0	1	2	11000	10.596660	37
## 4441	0.50	Black	0	1	0	1	5	11000	10.596660	43
## 4442	1.00	White	0	1	1	1	5	11000	12.783848	23
## 4443	1.00	White	0	0	1	1	5	11000	12.783848	25
## 4444	1.00	White	0	0	1	1	5	11000	12.783848	24
## 4445	0.25	White	1	0	1	1	5	11000	12.783848	24
## 4446	0.75	Black	0	1	1	1	2	11000	10.711703	52
## 4447	0.50	Black	0	1	1	1	1	11000	10.711703	77
## 4448	0.50	Black	0	1	1	1	4	11000	10.640676	33
## 4449	0.50	White	0	0	0	1	5	11000	12.167275	76
## 4450	0.50	White	0	1	0	1	5	11000	12.167275	71
## 4451	0.75	Black	0	0	0	1	3	11000	11.530785	69
## 4452	0.50	Black	0	1	0	1	2	11000	11.530785	69
## 4453	0.50	Other	1	1	1	1	1	11000	10.404293	48
## 4454	0.50	Black	0	0	1	1	2	11000	11.446273	50
## 4455	0.25	Black	0	1	1	1	5	11000	10.747272	46
## 4456	1.00	Black	0	0	0	1	3	11000	10.942014	31
## 4457	0.50	Black	0	1	0	1	2	11000	10.942014	25
## 4458	0.75	Black	0	1	1	1	6	11000	11.445727	31
## 4459	0.75	White	0	1	0	1	5	11000	13.945837	46
## 4460	0.75	White	0	0	0	1	5	11000	13.945837	46
## 4461	1.00	White	0	1	1	1	5	11000	11.238844	38
## 4462	1.00	White	0	0	0	1	6	11000	12.546302	64
## 4463	1.00	White	0	1	0	1	6	11000	12.546302	64
## 4464	1.00	Black	0	0	1	1	5	11000	11.741661	33
## 4465	1.00	Black	0	1	1	1	5	11000	12.213569	24
## 4466	1.00	Asian	0	1	1	1	5	11000	12.213569	24
## 4467	0.75	White	0	1	1	1	6	11000	12.213569	24
## 4468	0.75	White	0	1	1	1	6	11000	12.213569	24
## 4469	1.00	White	0	0	1	1	6	11000	12.328295	48
## 4470	0.75	White	0	1	1	1	6	11000	11.927786	60
## 4471	0.75	White	0	1	1	1	6	11000	11.927786	60
## 4472	1.00	White	0	0	1	1	5	11000	10.862857	26
## 4473	0.75	White	0	0	1	1	3	11000	10.065224	20
## 4474	0.50	White	1	1	1	1	2	11000	11.156279	18
## 4475	0.25	White	1	0	0	1	1	11000	11.156279	85
## 4476	0.50	White	1	1	0	1	1	11000	11.156279	45
## 4477	0.50	White	1	0	1	1	1	11000	11.156279	20
## 4478	1.00	Black	0	1	1	1	3	11000	9.472782	71
## 4479	1.00	White	0	0	1	1	6	11000	12.252489	38
## 4480	0.50	Black	0	0	1	1	5	11000	12.239512	46
## 4481	0.50	Black	0	0	1	1	5	11000	12.239512	46

## 4482	0.50	Black	0	0	1	1	6	11000	11.586520	45
## 4483	0.50	Black	0	1	1	1	3	11000	10.339805	77
## 4484	0.75	Black	0	1	1	1	2	11000	10.267888	75
## 4485	0.75	Black	0	0	1	1	2	11000	10.267888	55
## 4486	0.75	Black	0	1	1	1	2	11000	9.472782	29
## 4487	1.00	White	0	0	0	1	5	11000	12.842917	57
## 4488	1.00	White	0	1	0	1	5	11000	12.842917	47
## 4489	0.50	White	0	0	1	1	6	11000	10.878085	80
## 4490	1.00	White	0	0	1	1	5	11000	11.720793	31
## 4491	1.00	White	0	0	1	1	5	11000	11.720793	31
## 4492	1.00	Asian	0	1	1	1	5	11000	12.553216	28
## 4493	1.00	Asian	0	1	1	1	5	11000	12.553216	28
## 4494	1.00	White	0	1	1	1	5	11000	12.553216	27
## 4495	1.00	White	0	1	1	1	5	11000	12.553216	24
## 4496	1.00	White	0	1	0	1	6	11000	13.054089	58
## 4497	1.00	White	0	0	0	1	6	11000	13.054089	56
## 4498	1.00	White	0	0	0	1	5	11000	12.570726	29
## 4499	1.00	White	0	1	0	1	5	11000	12.570726	27
## 4500	1.00	White	0	1	0	1	5	11000	12.570726	27
## 4501	0.75	White	0	1	1	1	6	11000	12.103769	36
## 4502	0.75	White	0	1	1	1	5	11000	12.103769	40
## 4503	1.00	White	0	1	0	1	5	11000	11.777150	30
## 4504	1.00	Asian	0	0	0	1	6	11000	11.777150	31
## 4505	0.50	White	1	1	1	1	1	11000	10.774802	38
## 4506	0.50	White	1	1	0	1	1	11000	10.774802	40
## 4507	0.00	White	0	1	1	1	6	11000	10.851393	67
## 4508	0.50	Black	0	1	0	1	4	11000	9.472782	67
## 4509	1.00	Black	0	0	1	1	2	11000	10.561292	28
## 4510	0.50	Black	0	0	1	1	2	11000	9.536257	57
## 4511	0.25	Black	0	1	0	1	3	11000	10.537999	37
## 4512	0.25	Other	0	0	0	1	2	11000	10.537999	44
## 4513	0.75	Black	0	0	1	1	3	11000	10.199621	60
## 4514	0.25	Black	0	0	1	1	1	11000	10.199621	36
## 4515	0.50	Black	0	0	0	1	3	11000	10.098931	68
## 4516	0.50	Black	0	1	0	1	2	11000	10.098931	69
## 4517	0.50	Black	0	1	1	1	4	11000	10.514502	38
## 4518	0.75	Black	0	1	1	1	1	11000	10.263258	77
## 4519	0.50	Asian	0	1	1	1	3	11000	11.862215	68
## 4520	0.75	White	0	1	0	1	6	11000	11.862215	66
## 4521	0.25	White	0	0	0	1	6	11000	11.862215	64
## 4522	1.00	White	0	1	0	1	6	11000	12.899472	41
## 4523	1.00	White	0	0	0	1	6	11000	12.899472	41
## 4524	0.75	Black	0	1	1	1	2	11000	10.823471	85
## 4525	0.75	Black	0	0	1	1	1	11000	10.823471	45
## 4526	0.50	Black	0	1	0	1	3	11000	10.823471	72
## 4527	0.50	Black	0	0	0	1	3	11000	10.823471	68
## 4528	0.50	Black	0	0	1	1	6	11000	11.740069	70
## 4529	1.00	Black	0	1	0	1	6	11000	11.892786	33
## 4530	1.00	Other	0	0	0	1	6	11000	11.892786	34
## 4531	1.00	White	0	1	0	1	6	11000	11.904657	54
## 4532	1.00	White	0	0	0	1	5	11000	11.904657	54
## 4533	0.75	Other	0	0	1	1	6	11000	12.241932	34
## 4534	0.75	White	0	1	1	1	5	11000	12.241932	27
## 4535	0.75	White	0	1	1	1	5	11000	12.241932	27

## 4536	0.50	Black	0	1	1	1	6	11000	10.348205	30
## 4537	1.00	Black	0	0	1	1	6	11000	11.835741	43
## 4538	1.00	Asian	0	1	1	1	6	11000	9.692828	24
## 4539	1.00	White	1	0	1	1	3	11000	10.164120	23
## 4540	1.00	White	1	1	1	1	2	11000	10.164120	23
## 4541	1.00	Black	0	0	1	1	5	11000	11.836464	30
## 4542	1.00	Black	0	0	1	1	5	11000	11.836464	30
## 4543	0.50	White	0	0	0	1	6	11000	11.721248	54
## 4544	0.50	White	0	1	0	1	5	11000	11.721248	54
## 4545	0.50	White	0	0	1	1	3	11000	11.721248	21
## 4546	0.50	White	0	1	1	1	3	11000	11.721248	20
## 4547	0.00	Other	0	1	1	1	2	11000	11.385115	65
## 4548	0.50	Black	0	1	1	1	4	11000	10.660572	68
## 4549	1.00	Black	0	0	1	1	3	11000	10.660572	28
## 4550	0.75	Black	0	1	1	1	6	11000	11.421008	75
## 4551	0.50	Black	0	0	0	1	6	11000	11.215610	62
## 4552	0.50	Black	0	1	0	1	2	11000	11.215610	62
## 4553	0.25	Black	0	0	1	1	2	11000	11.215610	27
## 4554	1.00	Black	0	1	1	1	5	11000	11.535489	56
## 4555	0.50	Black	0	1	1	1	5	11000	11.535489	73
## 4556	0.25	Black	0	0	1	1	5	11000	11.535489	54
## 4557	1.00	White	0	1	0	1	6	11000	12.989291	41
## 4558	1.00	White	0	0	0	1	6	11000	12.989291	41
## 4559	0.50	Black	0	1	0	1	3	11000	11.082158	79
## 4560	0.50	Black	0	0	0	1	3	11000	11.082158	80
## 4561	0.25	Black	0	0	1	1	5	11000	10.447555	55
## 4562	0.75	Black	0	0	1	1	4	11000	10.447555	54
## 4563	0.75	Black	0	1	1	1	2	11000	10.180930	57
## 4564	0.75	Black	0	0	1	1	2	11000	10.180930	27
## 4565	0.75	Black	0	1	1	1	5	11000	11.560963	69
## 4566	0.75	Black	0	1	1	1	2	11000	10.150387	75
## 4567	0.75	Other	0	0	0	1	6	11000	12.658192	32
## 4568	1.00	Other	0	0	1	1	5	11000	12.658192	31
## 4569	0.25	White	0	0	1	1	5	11000	12.658192	44
## 4570	0.25	White	0	0	1	1	5	11000	12.658192	23
## 4571	0.75	Black	0	1	1	1	5	11000	11.747215	63
## 4572	1.00	Black	0	0	0	1	2	11000	9.491904	62
## 4573	1.00	Black	0	0	0	1	6	11000	9.491904	32
## 4574	0.50	Black	0	0	0	1	6	11000	11.127292	48
## 4575	0.50	Black	0	1	0	1	6	11000	11.127292	46
## 4576	0.25	Black	0	1	1	1	5	11000	11.277785	61
## 4577	0.25	Black	0	0	1	1	2	11000	11.277785	27
## 4578	1.00	Black	0	0	0	1	2	11000	11.225257	67
## 4579	0.75	Black	0	1	0	1	1	11000	11.225257	57
## 4580	0.25	Black	0	0	1	1	3	11000	10.980178	71
## 4581	1.00	Black	0	0	1	1	6	11000	11.971748	33
## 4582	0.50	White	0	1	0	1	2	11000	11.741295	80
## 4583	0.75	Black	0	0	0	1	5	11000	11.741295	85
## 4584	0.50	Black	0	0	0	1	3	11000	12.718899	77
## 4585	0.50	Black	0	1	0	1	5	11000	12.718899	77
## 4586	0.50	Black	0	1	1	1	5	11000	12.718899	58
## 4587	0.75	Asian	0	1	1	1	5	11000	10.199882	76
## 4588	1.00	White	0	0	0	1	6	11000	13.148035	47
## 4589	1.00	White	0	1	0	1	6	11000	13.148035	41

## 4590	0.75	White	0	1	1	1	2	11000	11.688801	79
## 4591	0.75	White	0	1	1	1	6	11000	11.688801	51
## 4592	1.00	White	0	0	1	1	1	11000	11.688801	18
## 4593	1.00	White	0	0	1	1	6	11000	12.595927	31
## 4594	1.00	White	0	1	1	1	5	11000	12.595927	32
## 4595	1.00	Asian	0	1	1	1	5	11000	12.595927	28
## 4596	1.00	Asian	0	1	1	1	5	11000	12.595927	28
## 4597	1.00	White	0	1	1	1	6	11000	12.595927	28
## 4598	1.00	Black	0	1	1	1	3	11000	10.273464	21
## 4599	1.00	Black	0	1	1	1	3	11000	10.273464	21
## 4600	1.00	White	0	0	1	1	3	11000	10.273464	21
## 4601	0.75	White	0	0	0	1	6	11000	13.082127	41
## 4602	0.75	White	0	1	0	1	5	11000	13.082127	35
## 4603	0.75	Other	0	1	1	1	6	11000	12.024167	58
## 4604	0.75	Other	0	1	1	1	6	11000	12.024167	33
## 4605	0.75	Other	0	1	1	1	6	11000	12.024167	30
## 4606	1.00	White	0	1	0	1	6	11000	12.630036	39
## 4607	1.00	White	0	1	0	1	6	11000	12.630036	42
## 4608	0.75	Black	0	1	1	1	5	11000	12.037760	47
## 4609	0.75	White	0	1	1	1	6	11000	11.650450	31
## 4610	1.00	White	0	1	1	1	5	11000	11.650450	24
## 4611	0.50	Black	0	1	0	1	2	11000	10.915107	39
## 4612	0.50	Black	0	0	0	1	2	11000	10.915107	40
## 4613	0.50	White	0	0	1	1	5	11000	11.233238	69
## 4614	0.75	White	0	1	1	1	6	11000	13.404532	49
## 4615	0.75	White	0	1	1	1	6	11000	13.404532	49
## 4616	1.00	Black	0	1	1	1	2	11000	11.361649	34
## 4617	0.50	Black	0	1	1	1	6	11000	11.314609	26
## 4618	0.75	White	0	0	1	1	6	11000	12.899145	52
## 4619	0.25	Black	0	1	1	1	2	11000	11.284242	72
## 4620	0.25	Black	0	0	1	1	2	11000	11.284242	49
## 4621	0.25	Black	0	0	1	1	2	11000	11.284242	42
## 4622	0.25	Black	0	0	1	1	2	11000	11.284242	35
## 4623	1.00	White	0	0	1	1	5	11000	10.582510	22
## 4624	1.00	Asian	0	0	1	1	5	11000	11.367911	22
## 4625	1.00	Asian	0	0	1	1	5	11000	11.367911	25
## 4626	1.00	Asian	0	0	1	1	3	11000	11.367911	21
## 4627	0.75	Black	0	0	1	1	6	11000	11.440527	42
## 4628	0.25	Black	0	1	1	1	1	11000	10.671533	23
## 4629	0.50	Black	0	0	0	1	2	11000	10.671533	71
## 4630	0.75	Black	0	1	0	1	2	11000	10.671533	67
## 4631	0.50	White	1	1	1	1	3	11000	10.012925	60
## 4632	1.00	White	0	1	0	1	5	11000	12.371803	51
## 4633	1.00	White	0	0	1	1	2	11000	12.371803	18
## 4634	0.50	White	0	1	0	1	5	11000	11.904974	30
## 4635	0.00	White	0	0	0	1	5	11000	11.904974	40
## 4636	1.00	Black	0	0	0	1	6	11000	12.171538	29
## 4637	1.00	Black	0	1	0	1	6	11000	12.171538	31
## 4638	0.50	Black	0	0	0	1	5	11000	11.478800	65
## 4639	0.25	Black	0	0	1	1	1	11000	11.542581	58
## 4640	0.25	Black	0	1	1	1	1	11000	11.542581	85
## 4641	0.75	White	0	0	0	1	6	11000	11.780492	35
## 4642	1.00	Asian	0	1	0	1	6	11000	11.780492	34
## 4643	1.00	White	0	1	1	1	6	11000	12.276098	33

## 4644	1.00	White	0	0	1	1	5	11000	12.276098	33
## 4645	1.00	White	0	1	1	1	6	11000	12.427346	33
## 4646	1.00	White	0	0	1	1	5	11000	12.427346	35
## 4647	0.25	White	0	1	1	1	5	11000	11.436509	55
## 4648	1.00	White	0	1	0	1	6	11000	13.043047	62
## 4649	1.00	White	0	0	0	1	6	11000	13.043047	68
## 4650	1.00	Asian	0	1	1	1	5	11000	13.043047	23
## 4651	1.00	White	0	1	0	1	2	11000	12.565326	36
## 4652	1.00	White	0	0	0	1	6	11000	12.565326	44
## 4653	1.00	Black	0	1	1	1	2	11000	10.190807	67
## 4654	1.00	Other	0	1	0	1	6	11000	12.362867	51
## 4655	1.00	Other	0	1	0	1	6	11000	12.362867	51
## 4656	1.00	White	0	0	0	1	6	11000	12.362867	55
## 4657	0.75	Black	0	1	1	1	3	11000	9.913487	85
## 4658	0.50	Black	0	0	1	1	5	11000	10.778977	55
## 4659	0.50	Asian	0	0	0	1	6	11000	12.686030	32
## 4660	0.50	Asian	0	1	0	1	5	11000	12.686030	30
## 4661	0.25	Black	0	0	0	1	5	11000	12.409018	64
## 4662	0.75	Black	0	1	0	1	3	11000	12.409018	62
## 4663	0.75	Black	0	1	0	1	3	11000	12.409018	62
## 4664	1.00	Black	0	1	1	1	5	11000	12.409018	26
## 4665	0.50	Black	0	0	0	1	1	11000	11.193409	85
## 4666	0.25	Black	0	1	0	1	1	11000	11.193409	85
## 4667	1.00	Black	0	1	1	1	3	11000	11.193409	57
## 4668	1.00	Black	0	1	1	1	6	11000	11.857231	34
## 4669	1.00	Black	0	1	1	1	6	11000	11.857231	34
## 4670	0.75	Black	0	0	1	1	1	11000	10.010232	53
## 4671	1.00	White	0	0	1	1	3	11000	12.669810	46
## 4672	1.00	White	0	0	1	1	6	11000	12.669810	35
## 4673	1.00	White	1	1	1	1	6	11000	11.407576	30
## 4674	0.50	White	0	0	1	1	2	11000	10.419331	47
## 4675	0.75	White	0	0	0	1	6	11000	12.226899	67
## 4676	0.75	White	0	1	0	1	6	11000	12.226899	68
## 4677	0.75	White	0	0	0	1	6	11000	12.572887	31
## 4678	1.00	White	0	0	1	1	6	11000	12.572887	30
## 4679	1.00	White	0	1	1	1	5	11000	11.429294	28
## 4680	0.25	White	0	0	0	1	6	11000	11.547520	85
## 4681	0.25	White	0	1	0	1	5	11000	11.547520	73
## 4682	1.00	White	0	1	1	1	5	11000	14.033071	36
## 4683	1.00	Black	0	0	1	1	5	11000	14.033071	34
## 4684	0.75	White	0	1	1	1	6	11000	11.906338	47
## 4685	0.50	Black	0	1	1	1	2	11000	10.545368	41
## 4686	1.00	Black	0	1	1	1	2	11000	10.545368	21
## 4687	0.75	White	0	0	0	1	6	11000	12.683862	37
## 4688	0.75	White	0	1	0	1	6	11000	12.683862	36
## 4689	0.50	Black	0	0	1	1	5	11000	11.135187	32
## 4690	0.50	Black	0	0	1	1	5	11000	11.135187	32
## 4691	1.00	White	0	1	1	1	5	11000	11.157692	24
## 4692	0.75	White	0	1	1	1	6	11000	11.502946	26
## 4693	1.00	White	0	1	1	1	5	11000	11.601174	62
## 4694	0.50	Black	0	1	1	1	1	11000	10.144746	24
## 4695	0.25	Black	0	1	1	1	3	11000	10.405504	67
## 4696	1.00	Black	0	1	0	1	1	11000	10.645711	44
## 4697	1.00	Black	0	0	0	1	1	11000	10.645711	41

## 4698	0.50	Black	0	1	1	1	3	11000	10.360153	79
## 4699	0.25	Black	0	1	1	1	2	11000	10.024687	62
## 4700	0.25	Black	0	1	1	1	2	11000	10.502352	32
## 4701	0.50	Black	0	1	1	1	5	11000	10.502352	24
## 4702	1.00	Black	0	0	1	1	2	11000	10.502352	18
## 4703	1.00	Black	0	0	1	1	6	11000	11.388507	31
## 4704	0.25	White	0	1	1	1	6	11000	12.092669	80
## 4705	0.75	White	0	0	0	1	6	11000	12.773393	50
## 4706	0.75	White	0	1	0	1	6	11000	12.773393	50
## 4707	1.00	White	0	1	1	1	3	11000	12.773393	19
## 4708	0.75	Black	0	0	1	1	6	11000	11.565053	75
## 4709	0.75	Black	0	1	1	1	6	11000	11.027020	85
## 4710	1.00	White	0	1	1	1	6	11000	12.476676	29
## 4711	0.75	White	0	1	0	1	6	11000	11.350418	40
## 4712	0.75	White	0	0	0	1	6	11000	11.350418	69
## 4713	1.00	White	0	1	1	1	6	11000	11.264477	50
## 4714	0.75	Black	0	1	1	1	3	11000	11.355488	73
## 4715	0.50	White	0	0	1	1	5	11000	11.818246	30
## 4716	0.75	White	0	0	1	1	5	11000	11.802463	25
## 4717	0.75	White	0	0	1	1	5	11000	11.802463	25
## 4718	0.75	White	0	1	1	1	5	11000	11.802463	26
## 4719	1.00	White	0	1	1	1	3	11000	11.206821	39
## 4720	0.75	White	0	0	0	1	6	11000	11.853824	31
## 4721	0.75	White	0	1	0	1	5	11000	11.853824	29
## 4722	0.25	White	0	1	1	1	5	11000	10.141756	85
## 4723	0.50	Black	0	1	1	1	3	11000	11.447085	60
## 4724	0.50	Black	0	1	0	1	6	11000	12.717569	72
## 4725	0.50	Black	0	0	0	1	6	11000	12.717569	80
## 4726	1.00	Black	0	1	0	1	5	11000	12.102671	49
## 4727	1.00	Other	0	0	0	1	5	11000	12.102671	49
## 4728	1.00	Black	0	0	1	1	2	11000	12.102671	55
## 4729	1.00	Black	0	1	1	1	3	11000	10.453342	77
## 4730	1.00	Black	0	1	0	1	3	11000	10.453342	43
## 4731	0.25	Black	0	0	1	1	2	11000	10.453342	76
## 4732	0.50	White	1	1	1	1	3	11000	11.018646	40
## 4733	0.50	White	1	0	1	1	2	11000	11.018646	27
## 4734	0.75	Black	0	0	1	1	4	11000	11.554844	57
## 4735	0.50	Black	0	1	0	1	5	11000	11.625003	59
## 4736	0.50	Black	0	0	0	1	2	11000	11.625003	66
## 4737	1.00	Black	0	0	1	1	2	11000	11.625003	20
## 4738	0.50	Black	0	1	1	1	3	11000	9.472782	70
## 4739	0.75	White	0	0	0	1	6	11000	13.073133	63
## 4740	0.50	White	0	1	0	1	6	11000	13.073133	63
## 4741	0.25	White	0	0	0	1	6	11000	11.654790	36
## 4742	1.00	White	0	1	0	1	5	11000	11.654790	34
## 4743	1.00	White	0	1	1	1	4	11000	12.010344	42
## 4744	1.00	White	0	1	1	1	4	11000	12.010344	42
## 4745	0.75	White	0	0	1	1	6	11000	11.546863	28
## 4746	1.00	White	0	0	0	1	5	11000	11.971306	31
## 4747	1.00	White	0	1	0	1	5	11000	11.971306	30
## 4748	0.25	Black	0	0	1	1	3	11000	10.390164	63
## 4749	0.50	Black	0	1	1	1	3	11000	10.390164	23
## 4750	1.00	White	0	0	1	1	3	11000	10.134679	21
## 4751	1.00	White	1	0	1	1	3	11000	10.342097	21

## 4752	0.25	Black	0	0	1	1	1	11000	10.272945	73
## 4753	1.00	Black	0	1	1	1	3	11000	10.751521	75
## 4754	0.75	White	0	1	1	1	6	11000	12.476676	31
## 4755	1.00	White	0	0	1	1	6	11000	12.054709	29
## 4756	1.00	White	0	1	1	1	6	11000	12.054709	27
## 4757	1.00	White	0	1	1	1	6	11000	12.054709	27
## 4758	0.50	Black	0	1	1	1	1	11000	9.472782	22
## 4759	0.75	Black	0	1	1	1	2	11000	11.046005	71
## 4760	1.00	Black	0	1	1	1	2	11000	11.046005	50
## 4761	0.75	Black	0	0	1	1	2	11000	10.920546	31
## 4762	0.75	Black	0	1	1	1	2	11000	10.920546	29
## 4763	0.25	Black	0	0	1	1	1	11000	10.243703	79
## 4764	0.50	Black	0	1	1	1	2	11000	10.105407	76
## 4765	0.00	Black	0	0	1	1	1	11000	10.218371	69
## 4766	1.00	Black	0	0	1	1	2	11000	10.757945	20
## 4767	1.00	Black	0	1	1	1	2	11000	10.757945	19
## 4768	0.50	Black	0	1	1	1	2	11000	9.938130	40
## 4769	0.50	Black	0	0	1	1	1	11000	9.938130	18
## 4770	0.25	Black	0	0	1	1	1	11000	9.472782	62
## 4771	0.25	Black	0	1	1	1	1	11000	9.987875	59
## 4772	0.50	Black	0	0	1	1	1	11000	10.172178	60
## 4773	0.50	Black	0	0	1	1	1	11000	10.172178	79
## 4774	1.00	Black	0	1	1	1	1	11000	10.447264	25
## 4775	0.50	Black	0	1	1	1	5	11000	11.720362	85
## 4776	0.50	Black	0	0	1	1	5	11000	11.720362	64
## 4777	0.50	Other	1	1	1	1	2	11000	10.668979	37
## 4778	0.75	White	0	1	1	1	5	11000	12.834825	24
## 4779	1.00	White	0	1	1	1	5	11000	12.834825	25
## 4780	1.00	White	0	1	1	1	5	11000	12.834825	24
## 4781	0.75	White	0	1	1	1	5	11000	12.834825	24
## 4782	1.00	White	0	1	1	1	5	11000	12.834825	24
## 4783	0.50	Asian	0	0	1	1	5	11000	9.472782	25
## 4784	0.50	Asian	0	1	1	1	6	11000	9.472782	25
## 4785	0.25	Black	0	0	1	1	5	11000	11.251911	74
## 4786	1.00	Black	0	1	1	1	1	11000	11.251911	72
## 4787	0.75	White	0	1	1	1	6	11000	11.134604	67
## 4788	0.50	Black	0	0	1	1	1	11000	9.852247	64
## 4789	1.00	White	0	1	1	1	5	11000	13.243145	22
## 4790	0.00	White	0	1	1	1	6	11000	13.243145	22
## 4791	1.00	Asian	1	1	1	1	5	11000	11.800778	32
## 4792	0.75	White	0	0	0	1	6	11000	12.958283	34
## 4793	0.75	White	0	1	0	1	6	11000	12.958283	35
## 4794	1.00	White	0	0	0	1	5	11000	12.061654	66
## 4795	1.00	White	0	1	0	1	5	11000	12.061654	61
## 4796	0.50	Black	0	1	1	1	6	11000	10.357108	75
## 4797	0.50	White	0	1	1	1	5	11000	11.228452	65
## 4798	0.50	White	0	0	1	1	5	11000	13.220934	34
## 4799	1.00	White	0	1	1	1	6	11000	13.220934	33
## 4800	1.00	Asian	0	1	1	1	6	11000	14.099335	29
## 4801	1.00	Asian	0	0	1	1	5	11000	11.440366	23
## 4802	1.00	Asian	0	0	1	1	5	11000	11.440366	22
## 4803	1.00	White	0	1	1	1	5	11000	11.980558	23
## 4804	1.00	White	0	1	1	1	5	11000	11.980558	24
## 4805	1.00	White	0	1	1	1	5	11000	11.980558	24

## 4806	0.75	Black	1	0	1	1	4	11000	10.545368	32
## 4807	0.75	White	0	1	1	1	6	11000	11.572147	30
## 4808	1.00	White	0	1	1	1	6	11000	12.222772	74
## 4809	0.50	Black	0	1	1	1	5	11000	9.518119	71
## 4810	1.00	White	0	0	1	1	5	11000	12.172009	28
## 4811	1.00	White	0	1	1	1	5	11000	12.172009	28
## 4812	0.50	Black	0	1	1	1	1	11000	10.079959	77
## 4813	0.00	Black	0	1	1	1	1	11000	10.150387	61
## 4814	1.00	Black	0	1	1	1	3	11000	10.933125	35
## 4815	0.75	White	1	0	1	1	3	11000	11.719964	39
## 4816	0.75	White	1	0	1	1	3	11000	11.719964	30
## 4817	0.75	White	0	0	1	1	6	11000	11.556961	75
## 4818	0.75	White	0	1	0	1	6	11000	12.186135	39
## 4819	0.75	White	0	0	0	1	6	11000	12.186135	39
## 4820	1.00	White	0	0	1	1	6	11000	11.981184	44
## 4821	0.50	White	1	1	1	1	1	11000	10.275258	56
## 4822	1.00	White	0	1	1	1	6	11000	12.301842	50
## 4823	1.00	Black	0	1	0	1	6	11000	10.565067	54
## 4824	1.00	White	0	1	1	1	5	11000	13.828531	37
## 4825	0.50	White	0	1	1	1	5	11000	11.515033	60
## 4826	1.00	White	0	1	0	1	5	11000	13.190924	75
## 4827	1.00	White	0	0	0	1	6	11000	13.190924	74
## 4828	0.50	Black	1	1	1	1	6	11000	11.989166	30
## 4829	1.00	White	0	1	1	1	6	11000	11.989166	29
## 4830	1.00	White	0	1	1	1	5	11000	11.989166	28
## 4831	0.75	White	0	1	0	1	6	11000	12.508678	49
## 4832	0.75	White	0	0	0	1	6	11000	12.508678	48
## 4833	1.00	White	0	1	1	1	5	11000	11.908246	22
## 4834	1.00	White	0	1	1	1	5	11000	11.908246	22
## 4835	0.75	White	0	1	1	1	5	11000	11.908246	23
## 4836	0.75	White	0	1	1	1	5	11000	11.908246	23
## 4837	1.00	Other	0	1	1	1	5	11000	11.908246	23
## 4838	0.25	Black	0	1	1	1	5	11000	11.908246	22
## 4839	0.25	Black	0	1	1	1	5	11000	11.908246	22
## 4840	0.25	Black	0	1	1	1	2	11000	9.998843	79
## 4841	1.00	White	0	1	1	1	3	11000	10.561241	75
## 4842	1.00	White	0	1	1	1	5	11000	11.351594	25
## 4843	0.75	White	0	0	1	1	5	11000	11.351594	24
## 4844	0.50	Black	0	1	1	1	3	11000	10.358314	76
## 4845	0.50	Asian	0	0	1	1	5	11000	9.473166	38
## 4846	0.75	White	0	1	0	1	6	11000	11.713423	27
## 4847	0.75	White	0	0	0	1	5	11000	11.713423	30
## 4848	1.00	Black	0	1	1	1	5	11000	11.502885	48
## 4849	0.50	Black	0	0	1	1	4	11000	9.985666	65
## 4850	1.00	White	0	0	1	1	6	11000	10.165929	29
## 4851	1.00	White	0	0	1	1	6	11000	12.065407	28
## 4852	0.75	White	0	0	1	1	6	11000	12.020959	30
## 4853	0.75	White	1	1	1	1	6	11000	12.020959	29
## 4854	1.00	White	0	1	1	1	6	11000	10.920546	29
## 4855	1.00	White	0	1	0	1	6	11000	11.672967	34
## 4856	1.00	White	1	0	0	1	5	11000	11.672967	34
## 4857	1.00	White	1	0	0	1	5	11000	11.672967	34
## 4858	0.50	Black	0	1	1	1	5	11000	10.113789	78
## 4859	0.75	White	0	1	1	1	6	11000	10.565840	33

## 4860	1.00	White	0	0	1	1	5	11000	12.569722	25
## 4861	1.00	White	0	1	1	1	5	11000	12.569722	26
## 4862	0.75	White	0	0	0	1	6	11000	12.315649	33
## 4863	0.75	White	0	1	0	1	6	11000	12.315649	29
## 4864	0.50	Black	1	1	1	1	2	11000	11.110865	77
## 4865	0.50	Black	1	1	1	1	2	11000	11.110865	50
## 4866	0.50	Black	0	0	1	1	2	11000	11.110865	47
## 4867	1.00	Black	0	1	0	1	5	11000	12.520288	47
## 4868	1.00	Black	0	0	0	1	5	11000	12.520288	44
## 4869	1.00	Black	0	0	0	1	5	11000	12.520288	44
## 4870	0.50	Black	0	1	1	1	3	11000	11.782960	49
## 4871	1.00	Black	0	1	1	1	3	11000	11.782960	20
## 4872	0.75	Black	0	0	0	1	2	11000	9.472782	45
## 4873	0.75	Black	0	0	0	1	2	11000	9.472782	45
## 4874	0.25	White	0	1	1	1	6	11000	11.145175	68
## 4875	0.75	Black	0	1	1	1	2	11000	10.287763	56
## 4876	0.75	Black	0	0	1	1	4	11000	10.545368	43
## 4877	0.50	Black	0	1	1	1	5	11000	10.707841	74
## 4878	0.50	Black	0	0	0	1	1	11000	10.518700	58
## 4879	0.50	White	0	1	0	1	6	11000	12.496243	38
## 4880	1.00	White	0	1	0	1	6	11000	12.496243	36
## 4881	1.00	White	0	0	0	1	6	11000	12.695671	69
## 4882	1.00	Asian	0	1	0	1	6	11000	12.695671	71
## 4883	1.00	White	0	1	0	1	6	11000	13.079875	43
## 4884	1.00	White	0	0	0	1	6	11000	13.079875	44
## 4885	1.00	Black	0	1	1	1	5	11000	11.538174	37
## 4886	1.00	White	0	0	1	1	5	11000	12.245539	27
## 4887	0.75	White	0	0	1	1	5	11000	12.245539	23
## 4888	1.00	White	0	0	1	1	5	11000	12.551441	28
## 4889	1.00	White	0	0	1	1	5	11000	12.551441	28
## 4890	0.50	Asian	0	1	1	1	5	11000	11.907808	25
## 4891	0.50	Asian	0	1	1	1	5	11000	11.907808	25
## 4892	0.50	White	0	1	1	1	5	11000	11.907808	26
## 4893	0.25	White	0	0	1	1	5	11000	12.003050	53
## 4894	0.75	White	0	0	0	1	2	11000	10.915143	61
## 4895	0.75	White	0	1	1	1	5	11000	12.069686	26
## 4896	0.50	White	0	1	1	1	6	11000	11.625218	55
## 4897	0.75	Black	0	0	1	1	4	11000	11.110969	76
## 4898	0.50	Black	0	1	1	1	4	11000	10.669048	64
## 4899	0.50	Black	0	1	1	1	4	11000	10.669048	64
## 4900	0.50	Black	0	1	1	1	2	11000	10.265697	74
## 4901	0.00	Black	0	0	0	1	2	11000	9.724540	80
## 4902	0.00	Black	0	1	0	1	2	11000	9.724540	75
## 4903	1.00	Asian	0	1	1	1	5	11000	11.326608	25
## 4904	0.75	White	0	1	1	1	5	11000	11.736077	25
## 4905	0.75	White	0	1	1	1	5	11000	11.736077	25
## 4906	0.25	Black	0	1	0	1	2	11000	11.087926	47
## 4907	0.50	Black	0	0	0	1	2	11000	11.087926	48
## 4908	0.50	Black	0	1	1	1	6	11000	11.387940	32
## 4909	0.50	Black	0	1	1	1	1	11000	10.613025	78
## 4910	1.00	Black	0	0	1	1	2	11000	10.613025	25
## 4911	0.50	Black	0	1	1	1	1	11000	10.503340	66
## 4912	0.75	Black	0	0	1	1	3	11000	10.503340	22
## 4913	1.00	White	0	1	1	1	6	11000	11.533091	29

## 4914	1.00	White	0	0	1	1	6	11000	11.939702	43
## 4915	1.00	White	1	0	1	1	6	11000	11.419351	33
## 4916	0.75	Black	0	0	0	1	2	11000	11.967860	78
## 4917	1.00	Black	0	1	0	1	2	11000	11.967860	80
## 4918	0.50	Black	0	0	1	1	2	11000	9.472782	25
## 4919	0.75	White	0	0	0	1	6	11000	12.328321	35
## 4920	0.75	White	0	1	0	1	5	11000	12.328321	37
## 4921	1.00	White	0	1	1	1	6	11000	13.921761	85
## 4922	1.00	White	0	1	1	1	6	11000	13.921761	31
## 4923	1.00	White	0	0	0	1	6	11000	11.335472	72
## 4924	1.00	White	0	1	0	1	6	11000	11.335472	71
## 4925	0.50	Black	0	1	1	1	2	11000	10.002790	80
## 4926	1.00	Asian	0	1	1	1	6	11000	11.835096	58
## 4927	1.00	White	0	0	0	1	6	11000	12.670118	51
## 4928	1.00	White	1	1	0	1	6	11000	12.670118	44
## 4929	1.00	White	0	0	0	1	2	11000	11.719997	36
## 4930	1.00	White	0	1	0	1	5	11000	11.719997	31
## 4931	1.00	White	0	0	1	1	5	11000	11.339774	24
## 4932	0.75	White	0	0	1	1	5	11000	10.968250	22
## 4933	1.00	White	0	1	1	1	2	11000	10.815810	19
## 4934	1.00	White	0	1	1	1	6	11000	11.971274	25
## 4935	1.00	White	0	1	1	1	5	11000	11.205054	28
## 4936	1.00	White	0	1	1	1	5	11000	11.205054	28
## 4937	1.00	White	0	1	1	1	6	11000	12.001524	40
## 4938	0.75	White	0	0	1	1	5	11000	11.335544	65
## 4939	0.75	White	0	0	1	1	6	11000	12.655095	31
## 4940	0.75	White	0	1	1	1	5	11000	12.655095	28
## 4941	0.50	Black	0	0	1	1	3	11000	9.869103	80
## 4942	0.75	Black	0	0	0	1	6	11000	12.810132	48
## 4943	0.75	Black	0	0	0	1	6	11000	12.810132	48
## 4944	0.75	Black	0	1	0	1	6	11000	12.810132	45
## 4945	0.75	Black	0	1	1	1	4	11000	11.554077	56
## 4946	0.50	Black	0	1	1	1	1	11000	10.110705	67
## 4947	0.50	Black	0	1	1	1	3	11000	9.787010	72
## 4948	0.50	Black	0	1	1	1	2	11000	10.395161	41
## 4949	0.50	Black	0	1	1	1	1	11000	10.395161	18
## 4950	1.00	White	0	0	0	1	3	11000	11.877576	31
## 4951	1.00	White	1	1	0	1	6	11000	11.877576	30
## 4952	1.00	White	0	0	0	1	6	11000	12.995430	41
## 4953	1.00	White	0	1	0	1	6	11000	12.995430	41
## 4954	1.00	White	0	1	0	1	6	11000	12.397193	40
## 4955	1.00	White	0	0	0	1	6	11000	12.397193	38
## 4956	1.00	White	0	1	1	1	5	11000	11.446743	28
## 4957	1.00	Black	0	0	1	1	3	11000	11.446743	29
## 4958	0.75	White	0	0	1	1	6	11000	12.061342	64
## 4959	0.75	White	0	0	0	1	6	11000	12.397853	63
## 4960	0.75	White	0	1	0	1	3	11000	12.397853	67
## 4961	1.00	White	0	0	0	1	6	11000	12.228827	32
## 4962	1.00	White	0	1	0	1	6	11000	12.228827	31
## 4963	1.00	White	0	0	0	1	5	11000	11.926584	53
## 4964	1.00	Other	0	1	0	1	5	11000	11.926584	51
## 4965	0.00	Black	0	0	1	1	1	11000	10.020959	65
## 4966	0.25	Black	0	0	1	1	1	11000	11.200281	53
## 4967	0.25	White	0	0	0	1	6	11000	12.956774	75

## 4968	0.50	White	0	1	0	1	6	11000	12.956774	76
## 4969	1.00	White	0	0	0	1	6	11000	12.753442	70
## 4970	1.00	White	0	1	0	1	6	11000	12.753442	75
## 4971	0.50	White	1	0	0	1	6	11000	12.844669	57
## 4972	0.50	Asian	0	1	0	1	6	11000	12.844669	58
## 4973	0.75	White	0	0	1	1	5	11000	12.005540	72
## 4974	0.00	White	0	1	0	1	6	11000	13.611938	58
## 4975	0.75	Asian	0	1	1	1	5	11000	11.650450	25
## 4976	1.00	Black	0	1	1	1	6	11000	12.026479	35
## 4977	1.00	Black	0	0	1	1	5	11000	12.026479	36
## 4978	0.50	Black	0	1	1	1	1	11000	10.774844	79
## 4979	0.50	Black	0	1	1	1	5	11000	10.774844	32
## 4980	0.25	Black	0	1	1	1	4	11000	9.913487	77
## 4981	1.00	White	0	1	0	1	6	11000	12.013767	33
## 4982	1.00	White	0	0	0	1	6	11000	12.013767	34
## 4983	0.75	Black	0	1	1	1	3	11000	10.092454	75
## 4984	0.50	Asian	0	1	1	1	6	11000	11.728690	40
## 4985	0.50	Asian	0	1	1	1	6	11000	11.728690	40
## 4986	0.00	Black	0	1	1	1	3	11000	10.288886	55
## 4987	0.50	Asian	0	1	1	1	6	11000	11.902972	62
## 4988	0.50	Asian	0	0	0	1	6	11000	10.066329	74
## 4989	0.50	Asian	0	1	0	1	6	11000	10.066329	70
## 4990	0.75	White	0	0	0	1	6	11000	11.981059	43
## 4991	1.00	White	0	1	0	1	6	11000	11.981059	52
## 4992	1.00	White	0	1	0	1	6	11000	12.763838	48
## 4993	1.00	White	0	0	0	1	6	11000	12.763838	43
## 4994	1.00	White	0	0	0	1	6	11000	12.763838	43
## 4995	1.00	White	0	0	0	1	5	11000	12.371803	51
## 4996	1.00	White	1	1	1	1	5	11000	12.300250	85
## 4997	1.00	White	1	1	0	1	5	11000	12.300250	57
## 4998	1.00	White	0	0	0	1	5	11000	12.300250	58
## 4999	0.25	White	0	1	1	1	6	11000	11.690770	58
##	PERNUM	VETSTAT	FAMSIZE	LABFORCE	bornabroad	UHRSWORKT	indmove	lostjob		
## 1	1	1	1	1	1	30	1	0		
## 2	3	1	1	1	1	999	1	0		
## 3	2	1	3	1	1	44	1	0		
## 4	1	1	4	1	0	999	1	0		
## 5	1	1	3	1	0	20	1	0		
## 6	3	0	4	0	0	0	0	0		
## 7	1	1	4	1	0	44	0	0		
## 8	2	1	4	1	0	999	1	0		
## 9	2	1	4	1	1	999	1	0		
## 10	2	1	2	1	1	999	0	0		
## 11	1	1	6	1	1	997	1	0		
## 12	2	1	6	0	1	0	1	0		
## 13	2	1	1	0	1	0	1	0		
## 14	4	1	5	1	0	999	1	0		
## 15	1	1	4	1	0	997	1	0		
## 16	2	1	4	1	1	999	1	0		
## 17	3	1	4	1	0	999	1	0		
## 18	4	1	4	1	0	999	0	0		
## 19	1	1	2	1	0	999	1	0		
## 20	2	1	2	1	0	997	1	0		
## 21	1	1	5	1	1	999	0	0		

## 22	1	1	2	1	1	999	0	0
## 23	1	1	1	1	0	40	0	0
## 24	4	1	4	1	1	997	0	0
## 25	1	1	5	1	1	999	1	0
## 26	5	1	6	1	1	999	1	0
## 27	1	1	4	1	1	40	1	0
## 28	4	1	4	0	1	0	1	0
## 29	1	1	3	1	0	997	1	0
## 30	4	1	1	0	0	0	1	0
## 31	5	1	1	1	0	40	0	0
## 32	1	1	1	0	1	0	1	0
## 33	1	1	4	0	1	0	1	0
## 34	2	1	4	0	1	0	1	0
## 35	2	1	5	1	0	999	0	0
## 36	2	2	2	0	0	0	1	0
## 37	1	1	4	1	0	999	1	0
## 38	2	1	4	1	0	20	1	0
## 39	2	1	5	0	1	0	1	0
## 40	3	1	5	1	0	997	1	0
## 41	1	1	2	1	0	997	1	0
## 42	2	1	2	1	1	60	1	0
## 43	1	1	4	1	0	999	1	0
## 44	2	1	4	1	0	41	1	0
## 45	2	1	4	1	0	41	1	0
## 46	1	1	3	1	1	40	0	0
## 47	2	1	3	1	1	40	0	0
## 48	1	1	2	0	0	0	1	0
## 49	1	1	3	1	0	50	1	0
## 50	2	1	3	1	1	999	1	0
## 51	1	1	2	1	1	997	1	0
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## 53	1	1	4	1	0	997	1	0
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## 56	1	1	1	1	1	999	1	0
## 57	1	1	1	1	1	26	1	0
## 58	2	2	1	1	1	0	0	0
## 59	1	1	4	1	1	999	1	0
## 60	1	1	4	1	1	35	1	0
## 61	4	1	4	1	0	42	1	0
## 62	4	1	5	1	0	70	1	0
## 63	1	1	4	1	1	40	0	0
## 64	3	1	3	0	0	0	1	0
## 65	1	1	3	1	1	40	1	0
## 66	2	1	3	0	1	0	1	0
## 67	3	1	3	1	1	999	1	0
## 68	1	1	1	1	1	999	1	0
## 69	2	1	1	1	0	17	1	0
## 70	1	1	1	1	0	15	1	0
## 71	1	1	1	0	0	0	1	0
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## 73	2	1	4	1	1	999	0	0
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## 76	1	1	4	1	0	35	1	0
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## 78	3	1	4	1	0	999	1	0
## 79	4	1	4	1	0	999	1	0
## 80	1	1	2	1	0	999	1	0
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## 82	1	1	4	1	0	30	1	0
## 83	2	1	4	0	0	0	1	0
## 84	3	1	4	0	0	0	1	0
## 85	1	1	3	1	0	997	1	0
## 86	1	1	3	1	0	997	1	0
## 87	2	1	3	1	0	40	1	0
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## 91	1	1	4	1	1	20	0	0
## 92	2	1	4	1	1	50	1	0
## 93	3	1	4	1	0	40	1	0
## 94	1	1	2	1	0	70	1	0
## 95	2	1	2	1	0	30	1	0
## 96	1	1	4	1	1	999	0	0
## 97	2	1	4	0	1	0	1	0
## 98	1	1	4	1	0	20	1	0
## 99	4	1	4	1	0	27	1	0
## 100	1	1	1	1	0	35	1	0
## 101	1	1	1	1	0	997	1	0
## 102	1	2	3	1	0	0	1	0
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## 104	1	1	6	1	0	999	1	0
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## 106	3	1	6	1	0	0	0	0
## 107	4	1	6	0	0	0	0	0
## 108	1	1	5	0	0	0	1	0
## 109	2	1	5	1	0	997	1	0
## 110	3	1	5	0	0	0	1	0
## 111	1	1	2	0	0	0	1	0
## 112	2	1	2	0	0	0	1	0
## 113	1	1	3	0	0	0	1	0
## 114	2	1	3	0	0	0	1	0
## 115	3	1	3	1	0	105	0	0
## 116	1	2	3	1	0	40	1	0
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## 118	3	1	3	1	0	40	1	0
## 119	1	1	5	1	0	40	1	0
## 120	2	1	5	1	0	999	0	0
## 121	1	1	4	1	0	40	0	0
## 122	2	1	4	1	0	999	0	1
## 123	1	2	2	0	0	0	1	0
## 124	2	1	2	0	0	0	1	0
## 125	1	1	2	1	0	999	0	0
## 126	2	1	2	1	0	997	1	0
## 127	1	1	1	1	0	40	0	0
## 128	1	1	2	1	0	40	1	0
## 129	1	1	1	1	1	40	0	0

## 130	1	1	1	0	0	0	1	0
## 131	2	1	1	0	0	0	1	0
## 132	1	1	4	1	0	40	1	0
## 133	2	1	2	0	1	0	1	0
## 134	1	1	6	1	1	0	1	0
## 135	2	1	6	1	0	0	1	0
## 136	1	1	2	0	0	0	1	0
## 137	2	1	2	1	0	999	0	0
## 138	1	1	2	1	0	999	1	0
## 139	2	1	2	0	0	0	1	0
## 140	1	1	5	1	1	23	1	0
## 141	2	1	5	0	1	0	1	0
## 142	3	1	5	1	0	999	1	0
## 143	1	2	1	0	0	0	1	0
## 144	1	1	1	1	0	999	1	0
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## 146	2	2	4	0	0	0	1	0
## 147	1	1	3	1	0	40	1	0
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## 149	1	1	4	1	0	999	1	0
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## 151	3	1	4	0	0	0	1	0
## 152	4	1	4	0	0	0	1	0
## 153	1	1	2	1	0	40	1	0
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## 155	1	1	1	1	1	0	0	0
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## 157	2	1	4	0	0	0	1	0
## 158	1	1	1	0	0	0	1	0
## 159	1	1	2	1	0	80	1	0
## 160	1	1	1	1	0	45	1	0
## 161	1	1	2	1	0	999	1	0
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## 165	1	1	1	0	0	0	1	0
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## 167	2	1	1	1	0	49	1	0
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## 169	1	1	2	1	0	30	1	0
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## 175	3	1	5	0	0	0	0	0
## 176	4	1	5	1	0	0	0	0
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## 178	1	1	6	1	0	999	0	0
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## 180	3	1	6	1	0	999	0	0
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## 184	1	1	1	1	0	999	1	0
## 185	1	1	2	1	0	40	1	0
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## 187	1	1	4	0	1	0	1	0
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## 195	1	2	2	1	0	999	0	0
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## 202	1	1	3	1	1	999	0	0
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## 205	1	1	3	1	0	49	1	0
## 206	2	1	3	1	0	45	1	0
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## 209	3	1	5	1	0	999	1	0
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## 211	1	1	1	0	0	0	1	0
## 212	1	1	2	0	0	0	1	0
## 213	2	1	2	0	0	0	1	0
## 214	2	1	4	1	0	0	0	0
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## 216	5	1	1	1	0	45	0	0
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## 220	1	1	2	0	0	0	1	0
## 221	2	1	2	1	0	999	1	0
## 222	1	1	3	1	0	999	1	0
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## 224	1	1	2	1	0	40	1	0
## 225	2	1	2	1	0	0	1	0
## 226	1	1	4	0	1	0	1	0
## 227	2	1	4	1	0	999	1	0
## 228	1	1	2	1	0	40	0	0
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## 230	1	1	5	1	0	40	0	0
## 231	2	1	5	1	0	999	0	0
## 232	3	1	5	1	0	40	0	0
## 233	1	1	4	1	1	0	0	0
## 234	2	1	4	1	1	50	0	1
## 235	1	1	1	1	0	999	1	0
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## 237	2	1	3	1	0	999	0	0

## 238	3	1	3	1	0	999	1	0
## 239	1	1	2	0	0	0	1	0
## 240	2	1	2	1	0	36	1	0
## 241	1	1	2	1	0	35	1	0
## 242	1	1	1	1	0	40	1	0
## 243	1	1	2	1	0	999	1	0
## 244	2	1	2	1	0	0	0	0
## 245	1	1	1	1	0	40	1	0
## 246	1	2	1	0	0	0	1	0
## 247	1	1	1	1	0	997	0	0
## 248	1	1	4	1	0	27	1	0
## 249	1	1	1	1	0	999	0	0
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## 251	2	2	2	1	0	0	1	0
## 252	1	1	4	1	0	0	0	0
## 253	2	1	4	0	0	0	1	0
## 254	4	1	4	0	0	0	0	0
## 255	1	2	3	1	0	999	1	0
## 256	2	1	3	1	0	0	1	0
## 257	1	1	5	1	1	30	1	0
## 258	2	1	5	1	1	0	1	0
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## 1830	1	1	2	0	0	0	1	0
## 1831	2	2	2	0	0	0	1	0
## 1832	1	1	1	0	0	0	1	0
## 1833	1	1	3	1	0	997	1	0
## 1834	2	1	3	1	0	30	0	0
## 1835	3	1	3	0	0	0	1	0
## 1836	1	2	2	1	0	40	0	0
## 1837	2	2	2	0	0	0	1	0
## 1838	1	1	2	1	0	0	1	0
## 1839	1	1	2	0	1	0	1	0
## 1840	2	1	2	0	1	0	1	0
## 1841	1	1	1	0	0	0	1	0
## 1842	1	1	4	1	1	40	1	0
## 1843	2	1	4	0	1	0	1	0
## 1844	3	1	4	1	1	55	1	0
## 1845	1	1	1	1	0	40	1	0
## 1846	1	1	3	0	0	0	1	0
## 1847	2	1	3	1	0	999	1	0
## 1848	1	1	2	1	0	40	1	0
## 1849	1	1	4	0	0	0	1	0
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## 1854	1	2	3	1	0	999	0	0
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## 1860	2	1	2	1	0	0	0	0
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## 1862	2	1	8	0	1	0	1	0
## 1863	3	1	8	1	0	999	1	0
## 1864	4	1	8	0	0	0	1	0
## 1865	7	1	8	0	1	0	1	0
## 1866	8	1	8	1	1	60	0	0
## 1867	1	1	4	1	0	60	1	0
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## 1870	2	1	3	0	0	0	1	0
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## 1874	1	1	1	1	0	0	1	0
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## 1894	3	1	3	1	1	40	0	0
## 1895	1	1	6	1	0	40	1	0
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## 1897	1	1	2	1	0	32	0	0
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## 1931	1	1	3	1	0	999	1	0
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## 1966	1	2	2	0	0	0	1	0
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## 1969	2	1	4	1	0	40	1	0
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## 1976	1	2	2	1	0	999	1	0
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## 1978	1	2	3	1	0	38	0	1
## 1979	2	1	3	1	0	25	1	0
## 1980	3	1	3	1	0	12	1	0
## 1981	1	1	1	0	0	0	1	0
## 1982	1	1	4	1	0	40	0	0
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## 2009	1	1	5	1	1	999	0	0
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## 2023	1	1	2	1	1	60	0	0
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## 2032	1	1	3	1	0	0	0	0
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## 2076	1	1	1	0	0	0	1	0
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## 2211	1	1	3	1	0	999	1	0
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## 2215	1	1	3	1	0	999	0	0
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## 2217	1	1	3	0	0	0	1	0
## 2218	2	1	3	1	0	999	1	0
## 2219	1	1	4	0	0	0	1	0
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## 2226	2	1	3	1	0	8	1	0
## 2227	1	1	2	0	0	0	1	0
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## 2238	2	1	2	1	0	25	0	0
## 2239	1	1	2	0	0	0	1	0
## 2240	2	1	2	0	0	0	1	0
## 2241	1	1	3	1	0	999	0	0
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## 2245	2	1	3	1	0	999	0	0
## 2246	1	1	2	1	0	50	0	0
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## 2252	1	1	6	1	0	999	1	0
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## 2255	1	1	4	1	0	0	1	0
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## 2257	1	1	2	1	1	40	1	0
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## 2261	1	2	2	0	0	0	1	0
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## 2614	1	1	1	0	0	0	1	0
## 2615	1	1	2	1	0	0	0	0
## 2616	2	1	2	0	0	0	1	0
## 2617	1	1	4	0	0	0	1	0
## 2618	2	1	4	0	0	0	1	0
## 2619	1	1	3	0	0	0	1	0
## 2620	2	1	3	1	0	999	0	0
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## 2622	1	1	1	1	0	40	1	0
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## 2624	2	2	1	1	0	45	1	0
## 2625	1	1	1	0	0	0	1	0
## 2626	1	1	2	1	0	28	1	0
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## 2630	1	1	5	1	0	40	1	0
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## 2632	1	1	4	1	0	40	1	0
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## 2635	1	1	2	1	0	40	1	0
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## 2637	1	1	1	1	0	14	1	0
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## 2639	1	1	2	0	0	0	0	0
## 2640	2	1	1	1	0	43	1	0
## 2641	3	1	2	1	0	50	1	0
## 2642	1	1	1	1	0	50	0	0
## 2643	1	1	1	1	0	40	0	0
## 2644	1	1	4	1	0	999	1	0
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## 2646	1	1	1	1	0	999	1	0
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## 2649	1	2	2	0	0	0	1	0
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## 2651	1	1	5	1	0	40	1	0
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## 2653	1	1	1	1	0	7	1	0
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## 2655	1	1	3	0	0	0	1	0
## 2656	2	1	3	1	0	0	1	0
## 2657	3	1	3	1	0	999	1	0
## 2658	1	1	4	1	0	40	1	0
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## 2661	2	1	4	1	0	40	0	0
## 2662	1	1	2	1	0	0	1	0
## 2663	2	1	2	0	0	0	1	0
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## 2670	4	1	4	1	0	5	1	0
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## 2726	2	1	2	1	0	60	0	0
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## 2736	2	1	3	1	0	999	1	0
## 2737	3	1	3	0	0	0	1	0
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## 2757	1	1	2	0	0	0	1	0
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## 2759	1	1	1	0	1	0	1	0
## 2760	1	1	1	1	0	999	0	0
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## 2762	2	1	4	0	0	0	1	0
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## 2767	5	1	5	1	0	55	1	0
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## 2771	1	1	3	1	0	55	1	0
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## 2814	1	1	5	1	0	0	1	0
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## 2819	1	2	1	0	0	0	1	0
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## 2821	1	1	1	1	0	35	1	0
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## 2824	1	1	2	1	0	0	0	0
## 2825	2	1	2	0	0	0	1	0
## 2826	1	1	2	0	0	0	1	0
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## 2987	1	1	3	0	0	0	1	0
## 2988	2	2	3	1	0	40	1	0
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## 3779	4	2	4	1	0	999	0	0
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## 3789	1	2	3	1	0	20	1	0
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## 3798	2	1	2	1	0	999	0	0
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## 4166	1	1	4	1	1	999	1	0
## 4167	2	1	4	1	1	43	1	0
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## 4185	3	1	2	1	1	40	1	0
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## 4554	1	1	3	1	0	45	0	0
## 4555	2	1	3	0	1	0	1	0
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## 4557	1	1	4	1	0	32	1	0

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## 4559	1	1	2	0	0	0	1	0
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## 4563	1	1	2	1	0	40	1	0
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## 4565	1	1	1	1	0	999	1	0
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## 4567	1	1	2	1	0	55	1	0
## 4568	2	1	2	1	0	0	1	0
## 4569	3	1	1	1	0	997	1	0
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## 4886	1	1	1	1	0	999	1	0
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## 4479	1	1
## 4480	1	1
## 4481	1	1
## 4482	1	1
## 4483	1	1
## 4484	1	1
## 4485	2	1
## 4486	1	1
## 4487	1	1
## 4488	1	1
## 4489	1	1
## 4490	1	1
## 4491	1	1
## 4492	1	1
## 4493	1	1
## 4494	1	1
## 4495	1	1
## 4496	1	1
## 4497	1	1
## 4498	1	1
## 4499	1	1
## 4500	1	1
## 4501	1	1
## 4502	1	1
## 4503	1	1
## 4504	1	1
## 4505	1	1
## 4506	2	1
## 4507	1	0
## 4508	1	1
## 4509	2	1
## 4510	1	1
## 4511	1	0
## 4512	2	0
## 4513	1	1
## 4514	1	0
## 4515	1	1
## 4516	1	1
## 4517	1	1
## 4518	1	1
## 4519	1	1
## 4520	1	1
## 4521	1	0
## 4522	1	1
## 4523	1	1
## 4524	1	1
## 4525	1	1

## 4526	1	1
## 4527	1	1
## 4528	1	1
## 4529	1	1
## 4530	1	1
## 4531	1	1
## 4532	1	1
## 4533	1	1
## 4534	1	1
## 4535	1	1
## 4536	1	1
## 4537	1	1
## 4538	1	1
## 4539	1	1
## 4540	1	1
## 4541	1	1
## 4542	1	1
## 4543	1	1
## 4544	1	1
## 4545	1	1
## 4546	1	1
## 4547	1	0
## 4548	2	1
## 4549	2	1
## 4550	1	1
## 4551	1	1
## 4552	1	1
## 4553	1	0
## 4554	2	1
## 4555	1	1
## 4556	1	0
## 4557	1	1
## 4558	1	1
## 4559	1	1
## 4560	1	1
## 4561	1	0
## 4562	1	1
## 4563	1	1
## 4564	1	1
## 4565	1	1
## 4566	1	1
## 4567	1	1
## 4568	1	1
## 4569	1	0
## 4570	1	0
## 4571	1	1
## 4572	1	1
## 4573	1	1
## 4574	2	1
## 4575	2	1
## 4576	1	0
## 4577	1	0
## 4578	2	1
## 4579	1	1

## 4580	1	0
## 4581	1	1
## 4582	1	1
## 4583	1	1
## 4584	1	1
## 4585	1	1
## 4586	1	1
## 4587	1	1
## 4588	1	1
## 4589	1	1
## 4590	1	1
## 4591	1	1
## 4592	1	1
## 4593	1	1
## 4594	1	1
## 4595	1	1
## 4596	1	1
## 4597	1	1
## 4598	1	1
## 4599	1	1
## 4600	1	1
## 4601	1	1
## 4602	1	1
## 4603	1	1
## 4604	1	1
## 4605	1	1
## 4606	1	1
## 4607	1	1
## 4608	1	1
## 4609	1	1
## 4610	1	1
## 4611	1	1
## 4612	1	1
## 4613	1	1
## 4614	1	1
## 4615	1	1
## 4616	1	1
## 4617	1	1
## 4618	1	1
## 4619	2	0
## 4620	2	0
## 4621	2	0
## 4622	2	0
## 4623	1	1
## 4624	1	1
## 4625	1	1
## 4626	1	1
## 4627	1	1
## 4628	1	0
## 4629	1	1
## 4630	1	1
## 4631	1	1
## 4632	1	1
## 4633	1	1

## 4634	1	1
## 4635	2	0
## 4636	1	1
## 4637	1	1
## 4638	1	1
## 4639	1	0
## 4640	1	0
## 4641	1	1
## 4642	1	1
## 4643	1	1
## 4644	1	1
## 4645	1	1
## 4646	1	1
## 4647	1	0
## 4648	1	1
## 4649	1	1
## 4650	1	1
## 4651	1	1
## 4652	1	1
## 4653	1	1
## 4654	1	1
## 4655	1	1
## 4656	1	1
## 4657	1	1
## 4658	1	1
## 4659	1	1
## 4660	1	1
## 4661	1	0
## 4662	1	1
## 4663	1	1
## 4664	1	1
## 4665	1	1
## 4666	1	0
## 4667	1	1
## 4668	1	1
## 4669	1	1
## 4670	1	1
## 4671	1	1
## 4672	1	1
## 4673	1	1
## 4674	1	1
## 4675	1	1
## 4676	1	1
## 4677	1	1
## 4678	1	1
## 4679	1	1
## 4680	1	0
## 4681	1	0
## 4682	1	1
## 4683	1	1
## 4684	1	1
## 4685	1	1
## 4686	1	1
## 4687	1	1

## 4688	1	1
## 4689	1	1
## 4690	1	1
## 4691	1	1
## 4692	1	1
## 4693	1	1
## 4694	1	1
## 4695	1	0
## 4696	1	1
## 4697	1	1
## 4698	1	1
## 4699	1	0
## 4700	1	0
## 4701	1	1
## 4702	1	1
## 4703	1	1
## 4704	1	0
## 4705	1	1
## 4706	1	1
## 4707	1	1
## 4708	1	1
## 4709	1	1
## 4710	1	1
## 4711	1	1
## 4712	1	1
## 4713	1	1
## 4714	1	1
## 4715	1	1
## 4716	1	1
## 4717	1	1
## 4718	1	1
## 4719	1	1
## 4720	1	1
## 4721	1	1
## 4722	1	0
## 4723	1	1
## 4724	1	1
## 4725	1	1
## 4726	1	1
## 4727	1	1
## 4728	2	1
## 4729	1	1
## 4730	1	1
## 4731	1	0
## 4732	1	1
## 4733	2	1
## 4734	1	1
## 4735	1	1
## 4736	1	1
## 4737	1	1
## 4738	1	1
## 4739	1	1
## 4740	1	1
## 4741	1	0

## 4742	1	1
## 4743	1	1
## 4744	1	1
## 4745	1	1
## 4746	1	1
## 4747	1	1
## 4748	1	0
## 4749	1	1
## 4750	1	1
## 4751	1	1
## 4752	1	0
## 4753	1	1
## 4754	1	1
## 4755	1	1
## 4756	1	1
## 4757	1	1
## 4758	1	1
## 4759	1	1
## 4760	1	1
## 4761	1	1
## 4762	2	1
## 4763	1	0
## 4764	1	1
## 4765	1	0
## 4766	1	1
## 4767	1	1
## 4768	1	1
## 4769	1	1
## 4770	1	0
## 4771	1	0
## 4772	1	1
## 4773	1	1
## 4774	2	1
## 4775	1	1
## 4776	1	1
## 4777	1	1
## 4778	1	1
## 4779	1	1
## 4780	1	1
## 4781	1	1
## 4782	1	1
## 4783	1	1
## 4784	1	1
## 4785	1	0
## 4786	1	1
## 4787	1	1
## 4788	1	1
## 4789	1	1
## 4790	1	0
## 4791	1	1
## 4792	1	1
## 4793	1	1
## 4794	1	1
## 4795	1	1

## 4796	1	1
## 4797	1	1
## 4798	1	1
## 4799	2	1
## 4800	1	1
## 4801	1	1
## 4802	1	1
## 4803	1	1
## 4804	1	1
## 4805	1	1
## 4806	1	1
## 4807	1	1
## 4808	1	1
## 4809	1	1
## 4810	2	1
## 4811	1	1
## 4812	1	1
## 4813	1	0
## 4814	2	1
## 4815	1	1
## 4816	1	1
## 4817	1	1
## 4818	1	1
## 4819	1	1
## 4820	1	1
## 4821	2	1
## 4822	1	1
## 4823	1	1
## 4824	1	1
## 4825	1	1
## 4826	1	1
## 4827	1	1
## 4828	1	1
## 4829	1	1
## 4830	1	1
## 4831	1	1
## 4832	1	1
## 4833	1	1
## 4834	1	1
## 4835	1	1
## 4836	1	1
## 4837	1	1
## 4838	1	0
## 4839	1	0
## 4840	1	0
## 4841	1	1
## 4842	1	1
## 4843	1	1
## 4844	1	1
## 4845	2	1
## 4846	1	1
## 4847	1	1
## 4848	1	1
## 4849	1	1

## 4850	1	1
## 4851	1	1
## 4852	1	1
## 4853	1	1
## 4854	1	1
## 4855	1	1
## 4856	1	1
## 4857	1	1
## 4858	1	1
## 4859	1	1
## 4860	1	1
## 4861	1	1
## 4862	1	1
## 4863	1	1
## 4864	1	1
## 4865	1	1
## 4866	1	1
## 4867	1	1
## 4868	1	1
## 4869	1	1
## 4870	1	1
## 4871	1	1
## 4872	1	1
## 4873	1	1
## 4874	1	0
## 4875	1	1
## 4876	2	1
## 4877	1	1
## 4878	1	1
## 4879	1	1
## 4880	1	1
## 4881	1	1
## 4882	1	1
## 4883	1	1
## 4884	1	1
## 4885	1	1
## 4886	1	1
## 4887	1	1
## 4888	1	1
## 4889	1	1
## 4890	1	1
## 4891	1	1
## 4892	1	1
## 4893	1	0
## 4894	1	1
## 4895	1	1
## 4896	1	1
## 4897	1	1
## 4898	1	1
## 4899	1	1
## 4900	1	1
## 4901	1	0
## 4902	1	0
## 4903	1	1

## 4904	1	1
## 4905	1	1
## 4906	1	0
## 4907	1	1
## 4908	1	1
## 4909	1	1
## 4910	1	1
## 4911	1	1
## 4912	1	1
## 4913	1	1
## 4914	1	1
## 4915	1	1
## 4916	1	1
## 4917	1	1
## 4918	1	1
## 4919	1	1
## 4920	1	1
## 4921	1	1
## 4922	1	1
## 4923	1	1
## 4924	1	1
## 4925	1	1
## 4926	1	1
## 4927	1	1
## 4928	1	1
## 4929	1	1
## 4930	1	1
## 4931	1	1
## 4932	1	1
## 4933	1	1
## 4934	1	1
## 4935	1	1
## 4936	1	1
## 4937	1	1
## 4938	2	1
## 4939	1	1
## 4940	1	1
## 4941	1	1
## 4942	1	1
## 4943	1	1
## 4944	1	1
## 4945	1	1
## 4946	1	1
## 4947	1	1
## 4948	1	1
## 4949	1	1
## 4950	1	1
## 4951	1	1
## 4952	1	1
## 4953	1	1
## 4954	1	1
## 4955	1	1
## 4956	1	1
## 4957	1	1

```

## 4958      1      1
## 4959      1      1
## 4960      1      1
## 4961      1      1
## 4962      1      1
## 4963      1      1
## 4964      1      1
## 4965      1      0
## 4966      1      0
## 4967      1      0
## 4968      1      1
## 4969      1      1
## 4970      1      1
## 4971      1      1
## 4972      1      1
## 4973      1      1
## 4974      1      0
## 4975      1      1
## 4976      1      1
## 4977      1      1
## 4978      1      1
## 4979      1      1
## 4980      1      0
## 4981      1      1
## 4982      1      1
## 4983      1      1
## 4984      1      1
## 4985      1      1
## 4986      1      0
## 4987      1      1
## 4988      1      1
## 4989      1      1
## 4990      1      1
## 4991      1      1
## 4992      1      1
## 4993      1      1
## 4994      1      1
## 4995      1      1
## 4996      1      1
## 4997      1      1
## 4998      1      1
## 4999      1      0
## [ reached 'max' / getOption("max.print") -- omitted 115202 rows ]

```

Setting X vars and Y of health

```

set.seed(123)
cpshealth = cpsdata1[cpsdata1$HEALTH>0, ]
cpshealth = cpsdata1[cpsdata1$AGE>0, ]
cpshealth = cpsdata1[cpsdata1$FAMSIZE>0, ]
cpshealth = cpsdata1[cpsdata1$Education>1, ]

```

```

cpshealth = cpsdata1[cpsdata1$HHINCOME>=0, ]

cpsmetro = cpshealth[cpsdata1$METRO ==1, ]

metroasian = cpsmetro[cpsmetro$RACE == "Other", ]

x = data.matrix(cpshealth[ c("RACE", "HISPAN", "FEMALE", "MARST", "METRO", "Education", "STATEFIP", "HHINCOME", "AGE", "VETSTAT", "FAMSIZE", "LABFORCE", "HEALTH")])
y = cpshealth$HEALTH

dfhealth = cpshealth %>%
  select(RACE, HISPAN, FEMALE, MARST, METRO, Education, STATEFIP, HHINCOME, AGE, VETSTAT, FAMSIZE, LABFORCE, bornabroad)

dfmetro = cpsmetro %>%
  select(RACE, HISPAN, FEMALE, MARST, METRO, Education, STATEFIP, HHINCOME, AGE, VETSTAT, FAMSIZE, LABFORCE, bornabroad)

dfhealth_numeric = cpshealth %>%
  select(HISPAN, FEMALE, MARST, METRO, Education, HHINCOME, AGE, VETSTAT, FAMSIZE, LABFORCE, bornabroad)

dfmetro_numeric = cpsmetro %>%
  select(RACE, HISPAN, FEMALE, MARST, METRO, Education, STATEFIP, HHINCOME, AGE, VETSTAT, FAMSIZE, LABFORCE, bornabroad)

```

End cleaning, begin models

```
#summary stats
```

```
colMeans(dfhealth[sapply(dfhealth, is.numeric)])
```

	HISPAN	FEMALE	MARST	METRO	Education	HHINCOME
##	0.15546460	0.51913046	0.44088652	0.80045091	3.37517159	11.37394984
##	AGE	VETSTAT	FAMSIZE	LABFORCE	bornabroad	UHRSWORKT
##	47.30680277	1.07092287	2.94884402	0.66051031	0.16905849	253.05063186
##	indmove	lostjob	ANYCOVNW	HEALTH		
##	0.81034268	0.00165556	1.10078951	0.66548947		

```
colMeans(dfmetro[sapply(dfmetro, is.numeric)])
```

	HISPAN	FEMALE	MARST	METRO	Education	HHINCOME
##	1.737463e-01	5.205010e-01	4.453568e-01	1.000000e+00	3.459097e+00	1.141768e+01
##	AGE	VETSTAT	FAMSIZE	LABFORCE	bornabroad	UHRSWORKT
##	4.689262e+01	1.067391e+00	2.960547e+00	6.711947e-01	1.953438e-01	2.575680e+02
##	indmove	lostjob	ANYCOVNW	HEALTH		
##	8.070363e-01	1.766876e-03	1.099932e+00	6.733306e-01		

OLS

```
OLS = lm(y ~ x, data = cpshealth)
summary(OLS)
```

```
##
```

```

## Call:
## lm(formula = y ~ x, data = cpshealth)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.95396 -0.17293  0.01104  0.19259  0.70098
##
## Coefficients:
##             Estimate Std. Error t value Pr(>|t|)
## (Intercept) 3.984e-02 1.391e-02  2.864 0.004183 **
## xRACE       1.315e-02 8.247e-04 15.947 < 2e-16 ***
## xHISPAN    -1.061e-02 2.294e-03 -4.625 3.76e-06 ***
## xFEMALE    -6.289e-04 1.452e-03 -0.433 0.664944
## xMARST     -2.270e-02 1.608e-03 -14.116 < 2e-16 ***
## xMETRO      6.428e-03 1.803e-03  3.566 0.000362 ***
## xEducation   1.895e-02 4.916e-04 38.555 < 2e-16 ***
## xSTATEFIP  -4.241e-04 5.354e-05 -7.921 2.37e-15 ***
## xHHINCOME   6.061e-02 1.137e-03 53.302 < 2e-16 ***
## xAGE        -3.833e-03 4.858e-05 -78.895 < 2e-16 ***
## xVETSTAT    -2.152e-02 2.696e-03 -7.982 1.45e-15 ***
## xFAMSIZE    -1.886e-03 5.198e-04 -3.629 0.000284 ***
## xLABFORCE   7.064e-02 1.837e-03 38.452 < 2e-16 ***
## xbornabroad 2.526e-02 2.227e-03 11.344 < 2e-16 ***
## xUHRSWORKT  7.402e-06 1.849e-06  4.003 6.27e-05 ***
## xindmove    4.585e-04 1.817e-03  0.252 0.800823
## xlostjob    1.619e-02 1.719e-02  0.942 0.346360
## xANYCOVNW  -8.534e-04 2.441e-03 -0.350 0.726645
##
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.2416 on 120183 degrees of freedom
## Multiple R-squared:  0.1977, Adjusted R-squared:  0.1976
## F-statistic:  1742 on 17 and 120183 DF, p-value: < 2.2e-16

```

```

ols_summ = summary(OLS)
mean(ols_summ$residuals^2)
```

```

## [1] 0.05836063
```

##prediction

```

data_ols = data.frame(pred = predict(OLS), actual = cpshealth$HEALTH)

head(data_ols)
```

```

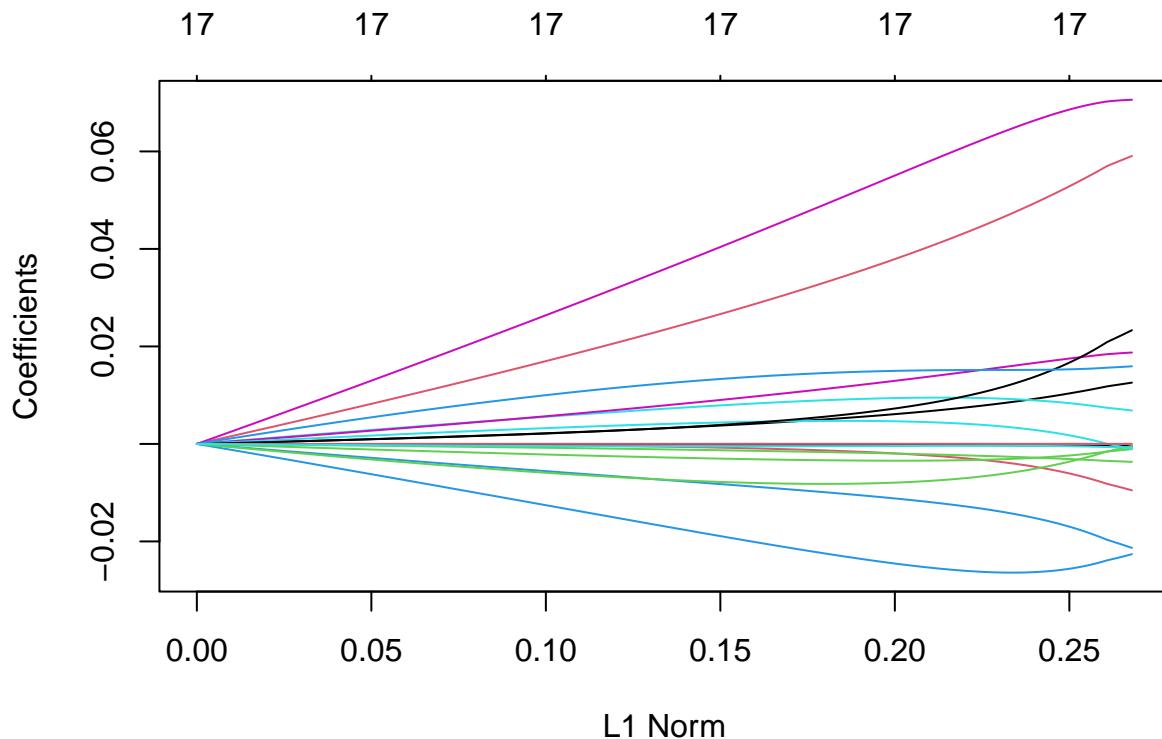
##      pred actual
## 1 0.7836944  1.00
## 2 0.7214369  0.50
## 3 0.8453003  0.75
## 4 0.7341044  0.50
## 5 0.6350502  1.00
## 6 0.7255921  1.00
```

```
mean((data_ols$actual - data_ols$pred)^2)
```

```
## [1] 0.05836063
```

Ridge

```
ridge_m = glmnet(x, y, alpha = 0)
plot(ridge_m)
```



```
ridge.model = cv.glmnet(x,y, type.measure='mse', alpha=0)
ridge.model
```

```
##
## Call: cv.glmnet(x = x, y = y, type.measure = "mse", alpha = 0)
##
## Measure: Mean-Squared Error
##
##      Lambda Index Measure          SE Nonzero
## min 0.00839    100 0.05839 0.0001621      17
## 1se 0.04478     82 0.05854 0.0001568      17
```

```

ridge.model$lambda.min

## [1] 0.008390432

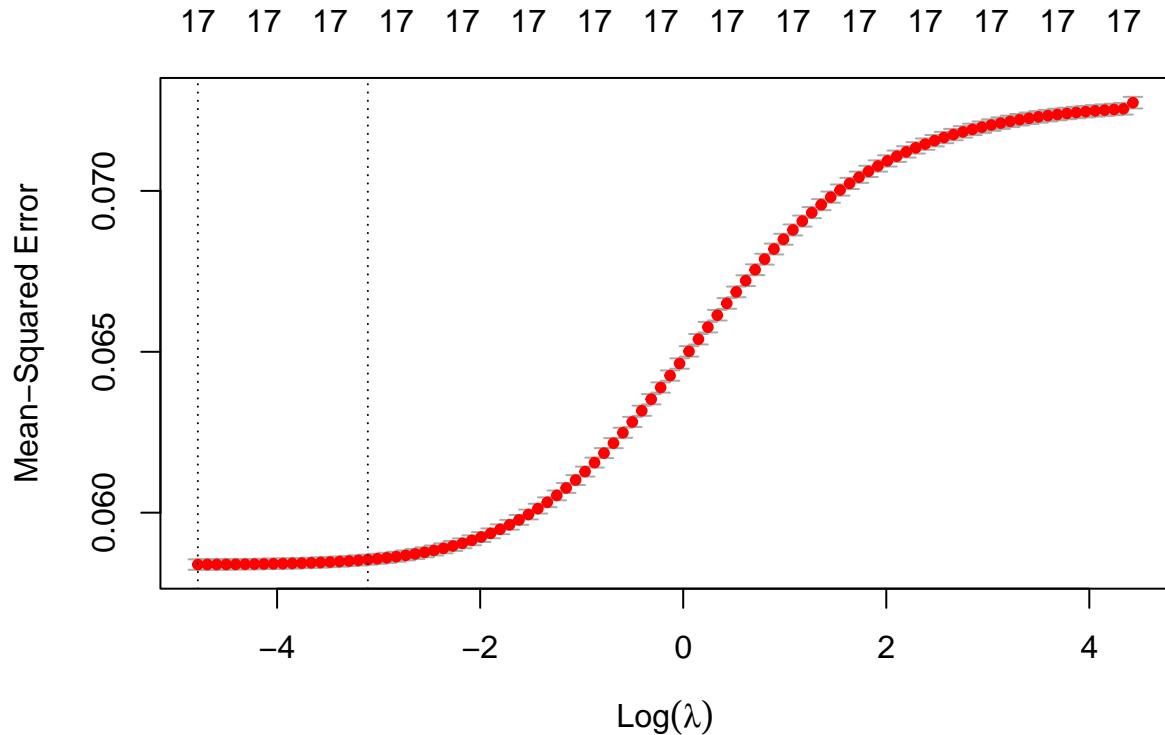
#reports lowest at 0.0083 this is also MSE
ridge.model$lambda.1se

## [1] 0.04477721

# 0.05393431

#plot it
plot(ridge.model)

```



```

#selects 8 model but with log-L of -3.something
coef(ridge.model)

```

```

## 18 x 1 sparse Matrix of class "dgCMatrix"
##                               s1
## (Intercept) 9.372465e-02
## RACE        1.063517e-02
## HISPAN     -6.435071e-03
## FEMALE     -2.236767e-03

```

```

## MARST      -1.745184e-02
## METRO      8.190462e-03
## Education   1.770860e-02
## STATEFIP    -3.513925e-04
## HHINCOME    5.366475e-02
## AGE         -3.176101e-03
## VETSTAT     -2.535263e-02
## FAMSIZE     1.456309e-03
## LABFORCE    6.900500e-02
## bornabroad  1.744276e-02
## UHRSWORKT   1.225004e-05
## indmove     -3.255887e-03
## lostjob      1.534611e-02
## ANYCOVNW    -4.999777e-04

```

```

new_ridge = glmnet(x,y, alpha=0, lambda = ridge.model$lambda.min )
new_ridge

```

```

##
## Call: glmnet(x = x, y = y, alpha = 0, lambda = ridge.model$lambda.min)
##
##   Df %Dev Lambda
## 1 17 19.76 0.00839

```

```

coef(new_ridge)

```

```

## 18 x 1 sparse Matrix of class "dgCMatrix"
##                               s0
## (Intercept) 5.103892e-02
## RACE        1.256892e-02
## HISPAN      -9.527985e-03
## FEMALE      -1.048382e-03
## MARST       -2.136713e-02
## METRO       6.871366e-03
## Education   1.874772e-02
## STATEFIP    -4.081472e-04
## HHINCOME    5.906711e-02
## AGE         -3.680704e-03
## VETSTAT     -2.261690e-02
## FAMSIZE     -1.033604e-03
## LABFORCE    7.060437e-02
## bornabroad  2.332684e-02
## UHRSWORKT   8.496650e-06
## indmove     -4.180384e-04
## lostjob      1.591966e-02
## ANYCOVNW    -7.499009e-04

```

```

y_predicted_ridge = predict(ridge_m, s= ridge.model$lambda.min
, newx = x )

```

```

SST_ridge = sum((y - mean(y))^2)
SSE_ridge = sum((y_predicted_ridge - y)^2)

```

```

rsq_ridge = 1 - SSE_ridge/SST_ridge
rsq_ridge

## [1] 0.1975982

# 0.1975982

y_predicted_best.ridge = predict(new_ridge, s= ridge.model$lambda.min
, newx = x )

SST_ridge = sum((y - mean(y))^2)
SSE_ridge2 = sum((y_predicted_best.ridge - y)^2)
rsq_ridge2 = 1 - SSE_ridge2/SST_ridge
rsq_ridge2

## [1] 0.1975985

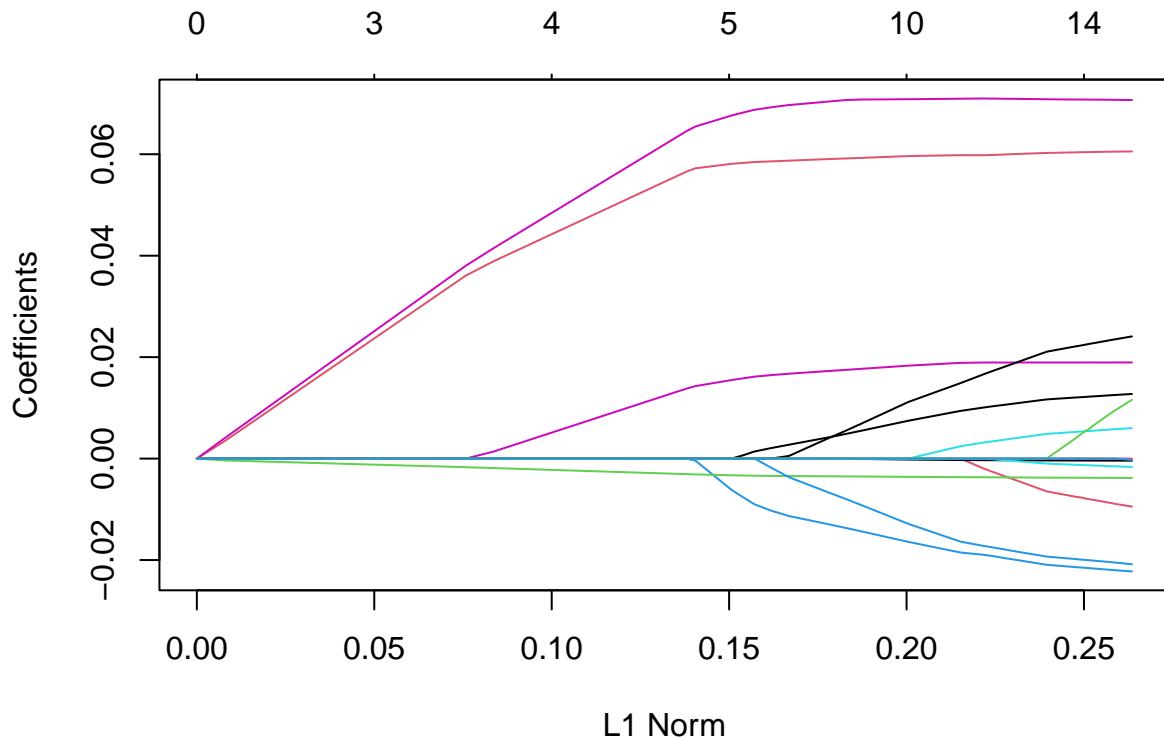
```

LASSO

```

lasso.base = glmnet(x, y, alpha = 1)
plot(lasso.base)

```



```

lasso.model = cv.glmnet(x, y, type.measure = "mse", alpha=1)

lasso.model

##  

## Call: cv.glmnet(x = x, y = y, type.measure = "mse", alpha = 1)  

##  

## Measure: Mean-Squared Error  

##  

##      Lambda Index Measure      SE Nonzero  

## min 0.000239    64 0.05838 0.0001884      16  

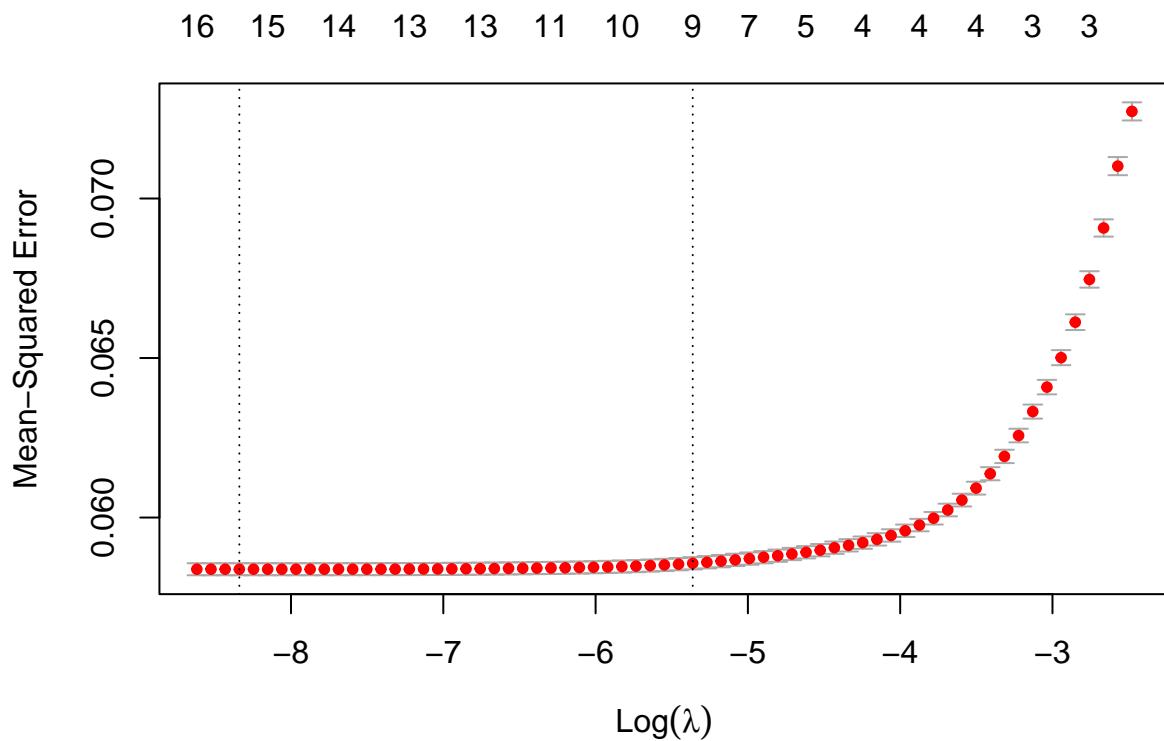
## 1se 0.004691    32 0.05857 0.0001921      9

coef(lasso.model)

## 18 x 1 sparse Matrix of class "dgCMatrix"
##           s1
## (Intercept) 5.034028e-02
## RACE        4.848145e-03
## HISPAN      .
## FEMALE      .
## MARST       -1.365968e-02
## METRO       .
## Education   1.748336e-02
## STATEFIP   -3.670315e-05
## HHINCOME    5.917317e-02
## AGE         -3.513845e-03
## VETSTAT     -7.944266e-03
## FAMSIZE      .
## LABFORCE    7.067806e-02
## bornabroad  5.482605e-03
## UHRSWORKT   .
## indmove     .
## lostjob     .
## ANYCOVNW    .
##  

#plot it
plot(lasso.model)

```



```
#predicts lowest mse with 9 and 16 variable model

lowest_lambda_lasso = lasso.model$lambda.min
print(lowest_lambda_lasso)

## [1] 0.0002389625

#0.0002177337

best.lasso = glmnet(x,y, alpha=1, lambda = lowest_lambda_lasso)

#checking coef's for lasso
coef(best.lasso)

## 18 x 1 sparse Matrix of class "dgCMatrix"
##                               s0
## (Intercept) 3.876852e-02
## RACE        1.261852e-02
## HISPAN     -9.171677e-03
## FEMALE     -1.118469e-04
## MARST      -2.213733e-02
## METRO      5.878941e-03
## Education   1.895015e-02
## STATEFIP   -4.054020e-04
```

```

## HHINCOME      6.051474e-02
## AGE          -3.805559e-03
## VETSTAT      -2.060461e-02
## FAMSIZE      -1.574895e-03
## LABFORCE     7.069360e-02
## bornabroad   2.373723e-02
## UHRSWORKT    7.028902e-06
## indmove      .
## lostjob       1.020925e-02
## ANYCOVNW     -7.846197e-05

y_predicted_lasso = predict(lasso.base, s= lasso.model$lambda.min
, newx = x )

SST_lasso = sum((y - mean(y))^2)
SSE_lasso = sum((y_predicted_lasso - y)^2)
rsq_lasso = 1- SSE_lasso/SST_lasso
rsq_lasso

## [1] 0.1976925

#0.1976951

y_predicted_best.lasso = predict(best.lasso, s= lasso.model$lambda.min
, newx = x )

SST_lasso = sum((y - mean(y))^2)
SSE_lasso2 = sum((y_predicted_best.lasso - y)^2)
rsq_lasso2 = 1- SSE_lasso2/SST_lasso
rsq_lasso2

## [1] 0.1976931

```

PCR not needed but interesting

```

pca.results <- prcomp(dfhealth_numeric, center = TRUE,scale. = TRUE)
pca.results

## Standard deviations (1, ..., p=16):
## [1] 1.5597350 1.3640673 1.1848684 1.1164771 1.0674236 1.0200281 0.9907685
## [8] 0.9455552 0.9174191 0.8936201 0.8591180 0.8082022 0.7498983 0.7247524
## [15] 0.7112834 0.6128123
##
## Rotation (n x k) = (16 x 16):
##           PC1        PC2        PC3        PC4        PC5
## HISPAN    0.01581855 -0.480493983  0.32995282 -0.09307529  0.140931678
## FEMALE   -0.06919573 -0.046343738 -0.05033243  0.67780941  0.077156223
## MARST    -0.16194521 -0.251222077 -0.52449563  0.01436495  0.279300246
## METRO     0.11079058 -0.072920362  0.21786476  0.10305707  0.544848882

```

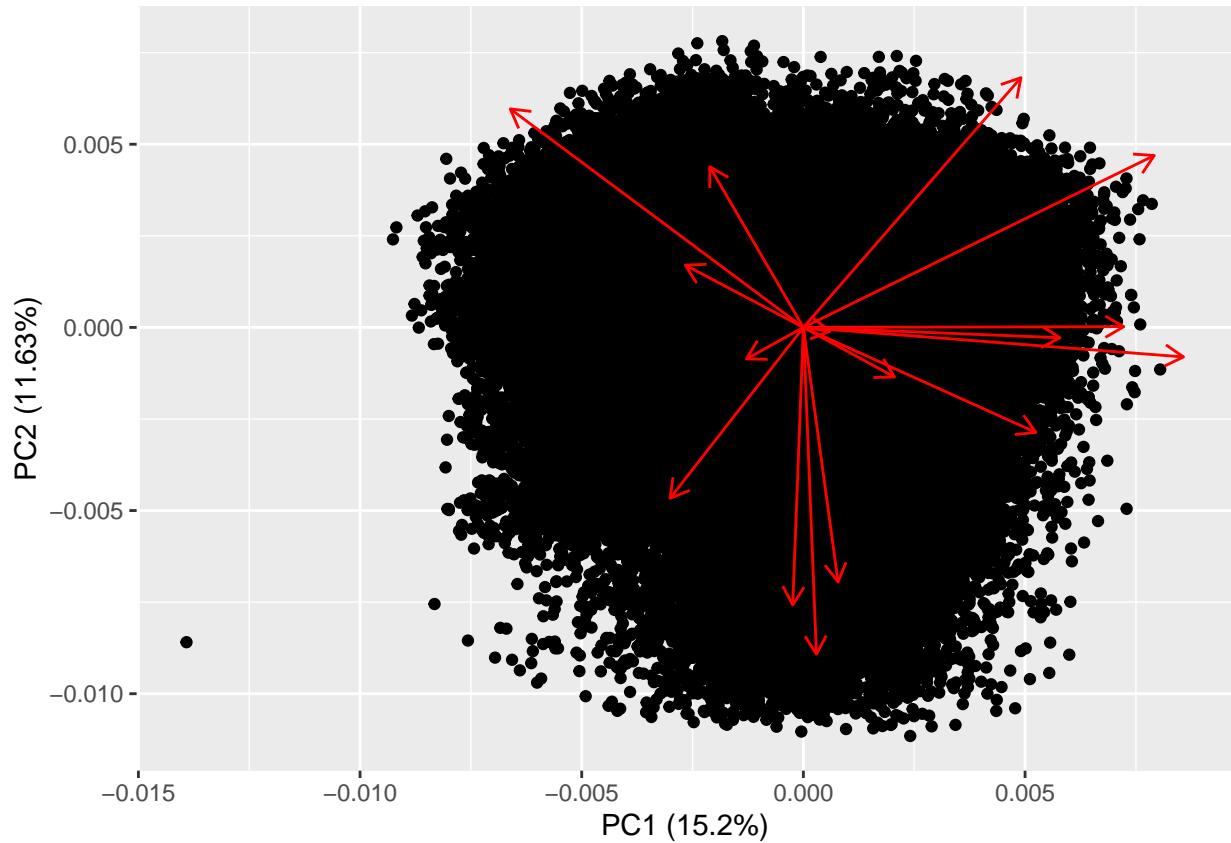
## Education	0.26430016	0.367143008	0.07932095	0.15954110	0.321030400
## HHINCOME	0.42622912	0.252747449	0.18535994	0.06688150	-0.054216258
## AGE	-0.35603624	0.321171399	0.30039593	-0.07079173	0.161098841
## VETSTAT	-0.11374170	0.236186252	0.12129296	-0.57332877	0.005409786
## FAMSIZE	0.28243373	-0.154391437	0.25554415	0.10693731	-0.580888353
## LABFORCE	0.46178416	-0.043391705	-0.17660959	-0.20670625	0.137078836
## bornabroad	0.04209479	-0.374202461	0.47694304	-0.02075022	0.235083726
## UHRSWORKT	0.31172668	-0.015184763	-0.14052423	-0.24537757	0.220176323
## indmove	-0.14342148	0.091568811	0.25253176	0.08022382	0.042760331
## lostjob	0.03212520	-0.005644799	-0.07071543	-0.03522135	0.008854095
## ANYCOVNW	-0.01291909	-0.408095799	-0.05858675	-0.16884547	-0.067852413
## HEALTH	0.38924097	0.001047375	-0.06720420	0.08032091	0.029318544
	PC6	PC7	PC8	PC9	PC10
## HISPAN	-0.0005488998	0.07526928	0.0196428071	-0.01730915	0.28927057
## FEMALE	-0.0034922727	0.27051427	0.1455871716	0.03883163	-0.18953758
## MARST	-0.0563425655	-0.23967380	-0.1534422061	-0.13186010	0.15355385
## METRO	0.1817376269	-0.47131532	-0.0180029546	-0.37758231	-0.38121131
## Education	-0.0003351482	-0.02900485	-0.0362937808	0.38499660	-0.05676961
## HHINCOME	0.0459679764	-0.12294831	0.0001699259	-0.01290872	-0.03823404
## AGE	0.0513536420	0.23667214	0.1543518026	0.10802848	-0.06880163
## VETSTAT	0.0488634102	-0.19410622	-0.0200165543	0.02674205	-0.06485538
## FAMSIZE	0.0426583984	-0.12821479	-0.0153410888	-0.29329582	-0.17185300
## LABFORCE	-0.0971772797	0.21174953	0.0560221376	-0.03070408	-0.02883498
## bornabroad	0.0410251885	0.13872719	0.0902356671	0.16034105	0.23919718
## UHRSWORKT	-0.2168233299	0.53516883	0.1114969172	-0.31784158	-0.17517705
## indmove	-0.5115489693	0.12979038	-0.7544737886	-0.16266015	-0.07062731
## lostjob	0.7916981124	0.33533192	-0.5004503596	-0.04531313	-0.01394303
## ANYCOVNW	-0.0611439747	-0.01302852	-0.1147411232	0.54757359	-0.67139308
## HEALTH	-0.0669405445	-0.18850947	-0.2687245006	0.36798990	0.35164497
	PC11	PC12	PC13	PC14	PC15
## HISPAN	0.205233350	-0.16749832	6.206974e-01	0.246357940	0.154226629
## FEMALE	0.593443887	0.03854810	1.556495e-02	-0.061380933	-0.178738601
## MARST	0.154127661	-0.31898797	-7.700399e-02	-0.382552473	0.231878666
## METRO	-0.062240363	0.25819083	6.882347e-03	0.097077855	-0.059879823
## Education	-0.004265376	-0.48688546	-1.341489e-01	0.387525446	0.275329971
## HHINCOME	-0.012418542	-0.23922874	3.445552e-01	-0.656480035	0.059384692
## AGE	-0.055804538	0.22123676	1.837490e-01	-0.312345956	0.134800115
## VETSTAT	0.706398946	-0.06273942	-1.320484e-01	0.010317656	-0.108366487
## FAMSIZE	0.153740340	-0.10613811	-2.060485e-01	0.038929981	0.220728349
## LABFORCE	-0.021601434	-0.09630368	9.308592e-02	0.003641071	-0.673189539
## bornabroad	-0.057107100	-0.10191324	-5.901379e-01	-0.290338734	-0.103585359
## UHRSWORKT	0.086280073	0.17592282	-1.151030e-01	-0.006019618	0.474022659
## indmove	-0.008994210	-0.06904856	-6.134252e-05	-0.015615169	-0.120768127
## lostjob	0.011493952	-0.02191815	-3.316807e-03	-0.002344076	0.004529472
## ANYCOVNW	-0.047796964	0.01838781	8.794595e-02	-0.114970121	0.073138563
## HEALTH	0.196169957	0.62242404	-1.492813e-02	-0.040399387	0.142753551
	PC16				
## HISPAN	-0.039156824				
## FEMALE	0.060950900				
## MARST	-0.317285035				
## METRO	-0.022073651				
## Education	-0.160896896				
## HHINCOME	0.288484458				
## AGE	-0.590297632				

```

## VETSTAT      0.101107041
## FAMSIZE     -0.469660364
## LABFORCE    -0.401704036
## bornabroad   0.078095128
## UHRSWORKT   0.142217115
## indmove      0.011239516
## lostjob      0.005943277
## ANYCOVNW    0.011911044
## HEALTH      -0.131280618

```

```
autoplot(pca.results, loadings = TRUE)
```



```
pca.results$rotation = -1*pca.results$rotation
```

```

pca.results$x = -1*pca.results$x
head(pca.results$x)

```

	PC1	PC2	PC3	PC4	PC5	PC6	PC7
## 1	-0.6853632	2.0695909	0.5566759	-0.6507539	-2.0305897	0.5534453	0.3824508
## 2	-0.3036016	4.0781056	-0.2002943	2.0657322	-1.9351989	0.8946032	-0.9478446
## 3	-1.3343913	2.8981383	-1.9366894	-0.4600887	-1.0687220	0.2981538	-0.2670131
## 4	-1.1057666	-0.2330285	-0.1130330	1.0203535	0.4502506	0.5330926	-0.7352041
## 5	-0.1896171	-0.4479967	0.6726125	-1.1095207	-0.7760773	0.2655278	0.4468255
## 6	-1.0066301	1.6397903	1.8209607	-2.1588778	0.9777773	-1.0144622	1.7377995

```

##          PC8         PC9         PC10        PC11        PC12        PC13
## 1  1.128657911 -3.0799216  1.0662827 -0.2351785  0.4721196  1.70532626
## 2  0.484103353 -0.5965587  0.8359662  0.5571694  0.5934319 -0.25464924
## 3  0.523294925 -2.5693404  1.1580550 -0.4966492  1.1482988 -0.15445735
## 4  0.004577125  1.8277235  0.7587762  0.8788922 -0.5074653  0.02868729
## 5  0.650821946 -0.1990816 -0.2166091 -0.6239283 -0.5016143 -0.08087161
## 6 -0.609310327  0.4048433 -1.1843086  2.8548039 -0.9323847 -0.12084997
##          PC14         PC15         PC16
## 1  0.08978283  0.65431944 -0.2466225
## 2  0.53113744 -0.33106227 -0.9746727
## 3 -0.98385918  0.48274726 -0.4677342
## 4 -0.08224999 -0.03645838 -0.3516235
## 5  0.42615093  0.38072799  1.4192226
## 6  0.36558393 -1.59459603 -0.3145018

pca.results$sdev^2/ sum(pca.results$sdev^2)

## [1] 0.15204833 0.11629247 0.08774457 0.07790757 0.07121207 0.06502858
## [7] 0.06135139 0.05587966 0.05260361 0.04990981 0.04613023 0.04082443
## [13] 0.03514672 0.03282913 0.03162025 0.02347118

#this output by number is the percentage of variance explained by each principle component

```

elastic net

```

#create train and test data

train_health <- createDataPartition(dfhealth$HEALTH,
                                      p = .8,
                                      list = FALSE,
                                      times = 1)
vector_train_index =c(train_health)
train_elastic <- dfhealth[ vector_train_index,]
valid_elastic <- dfhealth[-vector_train_index,]

#creating model
control <- trainControl(method = "repeatedcv",
                          number = 10,
                          repeats = 5,
                          search = "random",
                          verboseIter = TRUE)

elastic.model = train(
  HEALTH~.,
  data = train_elastic,
  method = "glmnet",
  trControl = control,
  tuneLength = 10
)

```

```

## + Fold01.Rep1: alpha=0.06342, lambda=6.951248
## - Fold01.Rep1: alpha=0.06342, lambda=6.951248
## + Fold01.Rep1: alpha=0.63968, lambda=0.006426
## - Fold01.Rep1: alpha=0.63968, lambda=0.006426
## + Fold01.Rep1: alpha=0.88783, lambda=1.789119
## - Fold01.Rep1: alpha=0.88783, lambda=1.789119
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## - Fold01.Rep1: alpha=0.66678, lambda=0.213598
## + Fold01.Rep1: alpha=0.39220, lambda=0.052138
## - Fold01.Rep1: alpha=0.39220, lambda=0.052138
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## - Fold01.Rep1: alpha=0.73557, lambda=0.001539
## + Fold01.Rep1: alpha=0.03717, lambda=0.009354
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## + Fold02.Rep1: alpha=0.06342, lambda=6.951248
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## - Fold03.Rep1: alpha=0.76525, lambda=0.087759
## + Fold03.Rep1: alpha=0.73557, lambda=0.001539
## - Fold03.Rep1: alpha=0.73557, lambda=0.001539

```

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## + Fold03.Rep1: alpha=0.03717, lambda=0.009354
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## - Fold06.Rep1: alpha=0.88783, lambda=1.789119
## + Fold06.Rep1: alpha=0.66678, lambda=0.213598
## - Fold06.Rep1: alpha=0.66678, lambda=0.213598

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## + Fold06.Rep1: alpha=0.39220, lambda=0.052138
## - Fold06.Rep1: alpha=0.39220, lambda=0.052138
## + Fold06.Rep1: alpha=0.76525, lambda=0.087759
## - Fold06.Rep1: alpha=0.76525, lambda=0.087759
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## - Fold07.Rep1: alpha=0.76525, lambda=0.087759
## + Fold07.Rep1: alpha=0.73557, lambda=0.001539
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## Warning in nominalTrainWorkflow(x = x, y = y, wts = weights, info = trainInfo, :
## There were missing values in resampled performance measures.

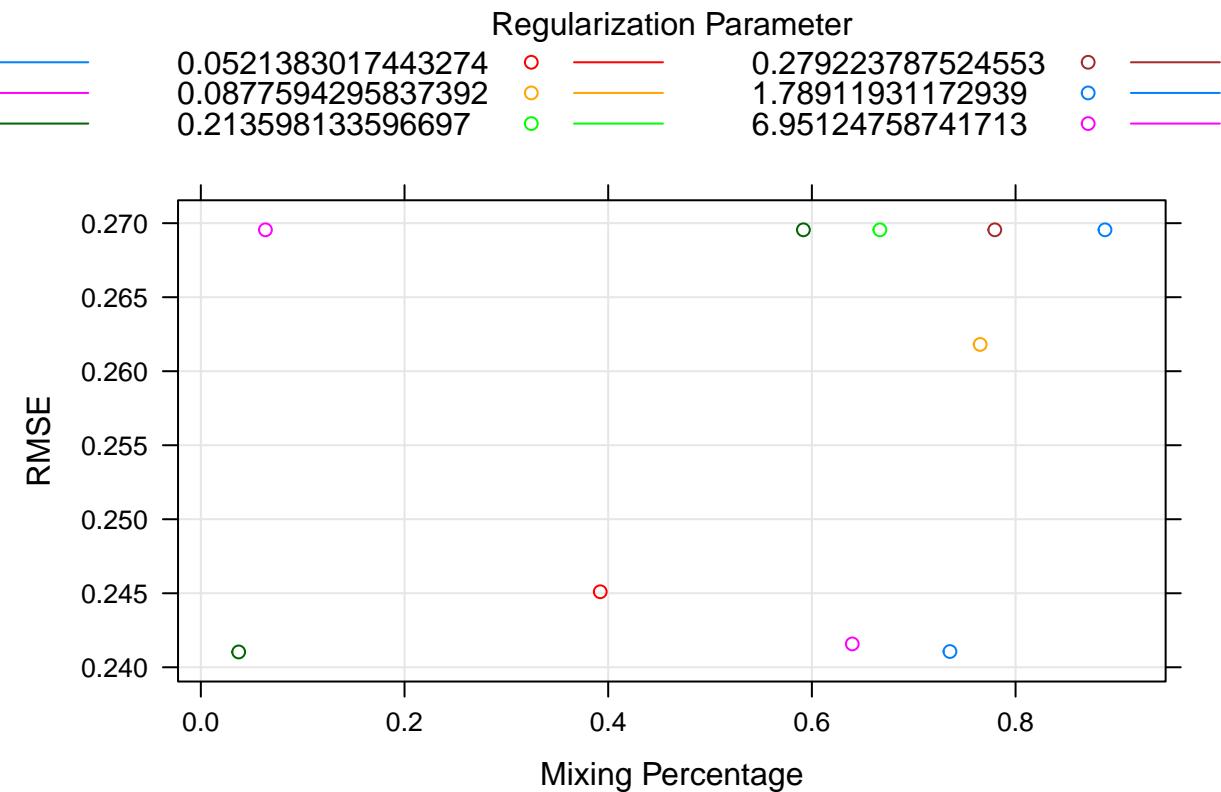
## Aggregating results
## Selecting tuning parameters
## Fitting alpha = 0.0372, lambda = 0.00935 on full training set

elastic.model$bestTune

##           alpha      lambda
## 1 0.03717299 0.009353825

plot(elastic.model, ylab = "RMSE")

```



```
elastic.model
```

```
## glmnet
##
## 96162 samples
##    17 predictor
##
## No pre-processing
## Resampling: Cross-Validated (10 fold, repeated 5 times)
## Summary of sample sizes: 86546, 86545, 86547, 86546, 86545, 86545, ...
## Resampling results across tuning parameters:
##
##     alpha      lambda      RMSE      Rsquared      MAE
## 0.03717299  0.009353825  0.2410334  0.2005830  0.1951195
## 0.06341554  6.951247587  0.2695518      NaN       0.2265451
## 0.39220493  0.052138302  0.2451009  0.1917621  0.1990081
## 0.59166242  7.841543804  0.2695518      NaN       0.2265451
## 0.63967673  0.006425528  0.2415779  0.1976716  0.1955953
## 0.66677946  0.213598134  0.2695518      NaN       0.2265451
## 0.73557205  0.001538717  0.2410633  0.2003422  0.1951520
## 0.76524562  0.087759430  0.2618092  0.1785010  0.2194726
## 0.77962032  0.279223788  0.2695518      NaN       0.2265451
## 0.88782727  1.789119312  0.2695518      NaN       0.2265451
##
## RMSE was used to select the optimal model using the smallest value.
## The final values used for the model were alpha = 0.03717299 and lambda
```

```

##  = 0.009353825.

mean(elastic.model$resample$RMSE)

## [1] 0.2410334

#reports an optimal alpha of 0.8 and lambda of 0.0004774163

coef(elastic.model$finalModel, elastic.model$bestTune$lambda)

## 62 x 1 sparse Matrix of class "dgCMatrix"
##           s1
## (Intercept) 8.002566e-02
## RACEBlack   -1.049852e-02
## RACEOther   -1.084771e-02
## RACEWhite   1.957948e-02
## HISPAN     -7.483399e-03
## FEMALE      -3.645989e-04
## MARST       -1.900065e-02
## METRO        4.152249e-03
## Education    1.788765e-02
## STATEFIP11000 3.275239e-02
## STATEFIP12000 3.369368e-02
## STATEFIP13000 1.581404e-02
## STATEFIP15000 -1.518863e-02
## STATEFIP16000 2.405421e-02
## STATEFIP17000 .
## STATEFIP18000 -1.329583e-02
## STATEFIP19000 2.728213e-03
## STATEFIP20000 1.132673e-02
## STATEFIP21000 -2.838045e-02
## STATEFIP22000 -3.186369e-03
## STATEFIP23000 -6.455558e-03
## STATEFIP24000 2.931695e-03
## STATEFIP25000 .
## STATEFIP26000 .
## STATEFIP27000 9.635549e-03
## STATEFIP28000 -2.186787e-02
## STATEFIP29000 5.167347e-03
## STATEFIP30000 2.947684e-02
## STATEFIP31000 .
## STATEFIP32000 .
## STATEFIP33000 6.661895e-03
## STATEFIP34000 1.934671e-02
## STATEFIP35000 .
## STATEFIP36000 3.126965e-03
## STATEFIP37000 .
## STATEFIP38000 4.217635e-03
## STATEFIP39000 -1.207034e-03
## STATEFIP40000 -5.905402e-03
## STATEFIP41000 6.164738e-03
## STATEFIP42000 -7.129069e-03
## STATEFIP44000 3.715812e-02

```

```

## STATEFIP45000  2.480214e-03
## STATEFIP46000 -1.566836e-02
## STATEFIP47000  1.026865e-02
## STATEFIP48000 -9.833350e-03
## STATEFIP49000  9.089012e-03
## STATEFIP50000 -2.477805e-03
## STATEFIP51000 -5.167602e-04
## STATEFIP53000  1.547622e-02
## STATEFIP54000 -5.622028e-02
## STATEFIP55000  1.644180e-03
## STATEFIP56000  .
## HHINCOME       5.785868e-02
## AGE            -3.630724e-03
## VETSTAT        -2.024880e-02
## FAMSIZE        .
## LABFORCE       7.011596e-02
## bornabroad    1.348977e-02
## UHRSWORKT     7.582042e-06
## indmove        .
## lostjob        5.459364e-03
## ANYCOVNW      6.619752e-04

predictions.train = predict(elastic.model, train_elastic)

predict_test = predict(elastic.model, valid_elastic)

mean(elastic.model$resample$Rsquared)

## [1] 0.200583

elastic.mse = (mean(elastic.model$resample$Rsquared))^2

elastic.mse

## [1] 0.04023356

```

KNN

```

# Prepping the dataset (no factor vars)
cpsKNNt = cpshealth[complete.cases(cpshealth), ]
cpsKNN = cpshealth[c("RACE", "HISPAN", "FEMALE", "MARST", "METRO", "Education", "HHINCOME", "AGE", "VET")
cpsKNN$RACE = as.factor(cpsKNN$RACE)
cpsKNN$RACE = as.numeric(cpsKNN$RACE)
cpsKNN$AGE = as.numeric(cpsKNN$AGE)

# Prepping KNN
samp = sample(1:nrow(cpsKNN), 0.5 * nrow(cpsKNN))
knn.train = cpsKNN[samp,]
knn.test = cpsKNN[-samp,]
train.health = cpsKNNt$HEALTH[samp]

```

```

test.health = cpsKNNt$HEALTH[-samp]

# Running KNN and reporting results
knn.results = data.frame(k = 1:10, testerror = NA)
for(i in 1:10){
  knn.pred <- knn(knn.train, knn.test, train.health, k = i)
  knn.results$testerror[i] = mean(knn.pred == test.health)}

knn.results

##          k testerror
## 1      1  0.3200446
## 2      2  0.3143542
## 3      3  0.3228066
## 4      4  0.3312258
## 5      5  0.3376483
## 6      6  0.3395617
## 7      7  0.3402106
## 8      8  0.3421241
## 9      9  0.3461340
## 10   10  0.3476315

```

SVM

```
#copy for experimenting
df_svm_full = dfhealth

#sum takes far too long for a laptop to compute 120,000 observations so will try half of that number in
#linear:12000
#radial: 6000
#poly: 1200-1300 is smallest where instances of all variables are exhibited. even reducing it this small

##### copy from here to change sample size
df_svm = sample_n(df_svm_full, 12000)

#changing y to factor variable
df_svm$HEALTH <- as.factor(df_svm$HEALTH)

##### creating training data
intrain <- createDataPartition(y= df_svm$HEALTH, p = .8,
                                list = FALSE,
                                times = 1)
svm_train_index =c(intrain)
svm_training <- df_svm[svm_train_index, ]
svm_testing <- df_svm[-svm_train_index, ]

#checking dimensions
#dim(svm_training)
#dim(svm_testing)

#convert y into factor
```

```

svm_training[["HEALTH"]] = factor(svm_training[["HEALTH"]])
##### to here to change sample size
##### and paste it above the model you wan

# ##### ##### ##### ###### LINEAR

svm_linear = train(
  HEALTH~, data = svm_training, method = "svmLinear",
  trControl = trainControl("cv", number = 10),
  tuneGrid = expand.grid(C = seq(0, 2, length = 20)),
  preProcess = c("center", "scale"), tuneLength = 10
)

## Warning: model fit failed for Fold01: C=0.0000 Error in .local(x, ...):
##   No Support Vectors found. You may want to change your parameters

## Warning: model fit failed for Fold02: C=0.0000 Error in .local(x, ...):
##   No Support Vectors found. You may want to change your parameters

## Warning: model fit failed for Fold03: C=0.0000 Error in .local(x, ...):
##   No Support Vectors found. You may want to change your parameters

## Warning: model fit failed for Fold04: C=0.0000 Error in .local(x, ...):
##   No Support Vectors found. You may want to change your parameters

## Warning: model fit failed for Fold05: C=0.0000 Error in .local(x, ...):
##   No Support Vectors found. You may want to change your parameters

## Warning: model fit failed for Fold06: C=0.0000 Error in .local(x, ...):
##   No Support Vectors found. You may want to change your parameters

## Warning: model fit failed for Fold07: C=0.0000 Error in .local(x, ...):
##   No Support Vectors found. You may want to change your parameters

## Warning: model fit failed for Fold08: C=0.0000 Error in .local(x, ...):
##   No Support Vectors found. You may want to change your parameters

## Warning: model fit failed for Fold09: C=0.0000 Error in .local(x, ...):
##   No Support Vectors found. You may want to change your parameters

## Warning: model fit failed for Fold10: C=0.0000 Error in .local(x, ...):
##   No Support Vectors found. You may want to change your parameters

## Warning in nominalTrainWorkflow(x = x, y = y, wts = weights, info = trainInfo, :
## There were missing values in resampled performance measures.

## Warning in train.default(x, y, weights = w, ...): missing values found in
## aggregated results

```

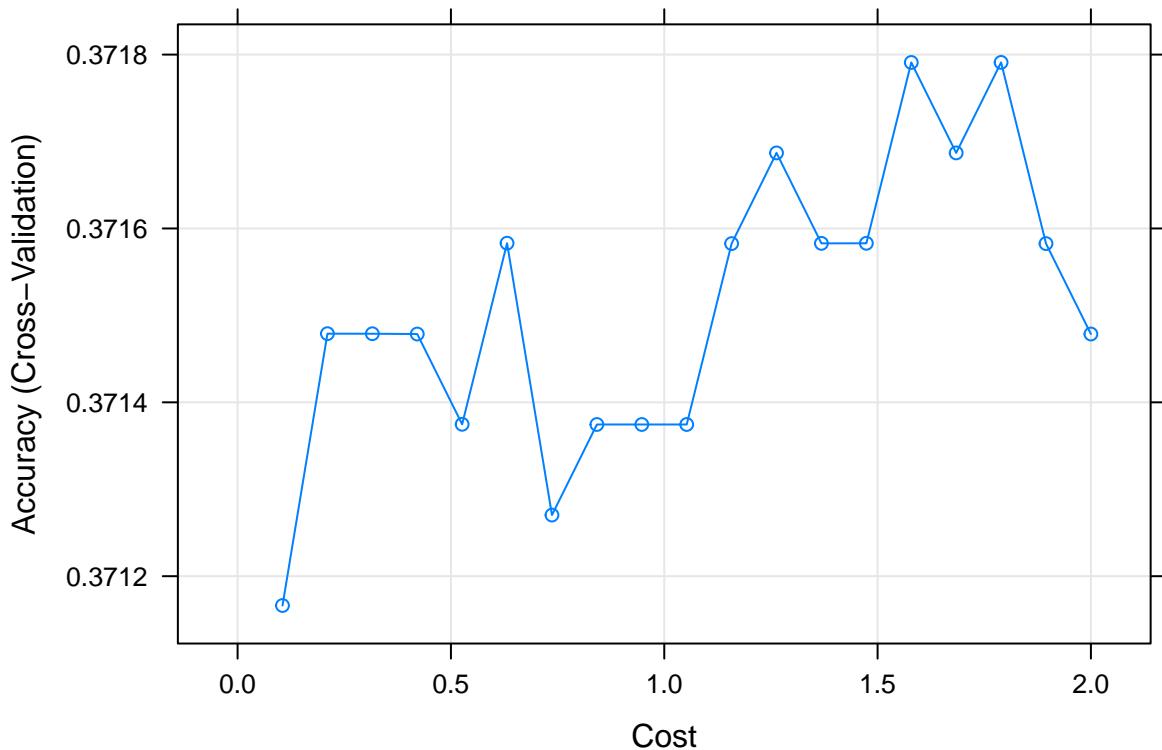
```

svm_linear

## Support Vector Machines with Linear Kernel
##
## 9602 samples
##    17 predictor
##      5 classes: '0', '0.25', '0.5', '0.75', '1'
##
## Pre-processing: centered (61), scaled (61)
## Resampling: Cross-Validated (10 fold)
## Summary of sample sizes: 8641, 8641, 8643, 8642, 8642, 8642, ...
## Resampling results across tuning parameters:
##
##     C          Accuracy   Kappa
## 0.0000000  NaN        NaN
## 0.1052632  0.3711663  0.1013535
## 0.2105263  0.3714790  0.1018267
## 0.3157895  0.3714789  0.1018356
## 0.4210526  0.3714786  0.1018462
## 0.5263158  0.3713747  0.1017047
## 0.6315789  0.3715831  0.1020173
## 0.7368421  0.3712703  0.1015524
## 0.8421053  0.3713745  0.1017125
## 0.9473684  0.3713745  0.1017010
## 1.0526316  0.3713745  0.1017185
## 1.1578947  0.3715826  0.1020460
## 1.2631579  0.3716869  0.1021764
## 1.3684211  0.3715828  0.1020219
## 1.4736842  0.3715829  0.1020221
## 1.5789474  0.3717910  0.1023189
## 1.6842105  0.3716869  0.1021760
## 1.7894737  0.3717911  0.1023499
## 1.8947368  0.3715826  0.1020162
## 2.0000000  0.3714786  0.1018913
##
## Accuracy was used to select the optimal model using the largest value.
## The final value used for the model was C = 1.789474.

```

```
plot(svm_linear)
```



```
test_pred <- predict(svm_linear, newdata = svm_testing)
test_pred
```

```
## [1] 0.75 0.75 1    0.75 0.75 0.5  0.5  0.75 0.5  1    0.5  0.5  1    0.75
## [15] 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.5  1    0.5  0.75 0.5  1    0.75
## [29] 0.5  0.5  1    0.5  0.5  0.75 0.5  1    1    0.75 0.5  0.5  0.5  0.5
## [43] 0.5  0.75 0.5  0.75 0.75 0.75 0.75 0.5  0.75 1    0.75 0.75 0.5  0.75
## [57] 0.75 0.75 0.5  0.5  0.5  1    0.75 0.5  0.5  0.5  0.5  1    0.75 0.5  0.75
## [71] 0.75 0.75 0.5  0.5  0.75 0.5  0.75 0.5  0.75 0.5  0.5  1    0.75 0.75
## [85] 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.5  0.75 0.75 0.75 0.75 0.75 0.75
## [99] 0.75 0.5  0.5  0.75 1    0.5  0.75 0.75 0.5  0.75 0.75 1    0.75 0.5
## [113] 0.5  0.5  0.75 0.75 0.75 0.5  0.75 0.75 0.75 0.5  0.5  0.5  0.75 0.75
## [127] 0.75 1    0.5  0.75 0.75 0.75 0.5  0.5  0.5  1    0.75 0.75 1    0.75
## [141] 0.75 0.75 0.5  0.75 0.75 0.75 0.5  0.75 0.75 0.5  0.75 0.5  0.75 1
## [155] 0.75 0.75 0.5  0.5  0.75 1    1    0.5  0.75 0.5  0.75 0.5  0.75 0.75
## [169] 1    0.5  0.5  0.75 1    0.75 0.75 0.75 0.75 0.75 0.75 0.5  0.5  1
## [183] 0.75 0.5  0.5  0.75 0.5  0.75 0.75 0.5  0.75 0.5  0.75 0.75 0.75 1
## [197] 0.5  0.5  0.5  0.75 0.5  0.75 0.75 0.75 0.5  1    0.75 0.5  0.75 0.5
## [211] 0.75 0.5  0.75 0.5  0.75 0.5  0.75 0.5  0.75 1    0.5  0.75 0.5  0.5
## [225] 0.5  0.5  0.75 1    0.75 0.5  0.75 1    0.75 0.5  0.75 0.75 0.75 0.75
## [239] 0.75 0.75 0.5  0.5  0.75 0.75 0.5  1    0.75 0.75 0.75 0.75 0.75 0.75
## [253] 0.5  0.5  0.75 0.75 0.75 0.75 0.5  0.5  0.75 0.75 0.75 0.5  0.75 0.75
## [267] 0.75 0.5  0.5  0.75 0.75 0.75 0.5  0.75 1    0.5  0.5  0.75 0.5  0.75
## [281] 0.75 0.5  1    0.5  0.75 1    0.75 0.5  0.5  0.75 0.5  0.75 0.5  0.5
## [295] 0.75 1    0.75 0.5  0.5  0.75 0.5  0.75 0.75 0.75 0.75 0.75 0.75 1
```

```

## [309] 0.5 1 0.5 0.75 0.5 0.75 0.5 0.75 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5
## [323] 0.75 0.5 0.75 0.5 0.75 0.75 0.75 0.75 0.5 1 0.75 0.5 0.75 1
## [337] 0.75 0.75 0.5 0.75 0.75 1 0.75 0.5 1 0.5 0.5 1 0.75 0.5
## [351] 1 0.5 0.75 0.75 0.5 0.5 0.5 1 0.75 0.5 0.5 0.75 0.75 0.5
## [365] 0.5 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.5
## [379] 0.75 0.75 0.75 0.75 0.75 0.75 0.5 0.5 1 0.5 0.75 0.75 0.5
## [393] 1 0.5 0.75 0.75 0.5 0.75 0.75 0.5 0.75 0.75 1 0.75 0.5 0.75
## [407] 1 0.75 0.75 0.5 0.75 0.5 0.75 0.75 0.75 1 0.75 1 0.5 0.5
## [421] 1 0.5 0.5 0.75 1 1 0.75 0.75 0.75 0.75 0.5 0.5 0.5 0.5 0.75
## [435] 0.75 0.5 1 0.75 0.75 0.75 0.75 0.75 0.5 0.75 1 0.5 0.5 0.5 0.75
## [449] 0.75 0.75 0.75 1 0.75 0.75 0.75 0.75 1 0.5 0.5 0.75 0.75 1
## [463] 0.5 0.5 0.75 0.75 0.5 0.5 0.75 0.75 0.5 0.5 0.75 0.75 0.75
## [477] 0.75 0.75 0.75 0.75 0.75 0.75 1 0.75 0.75 0.75 0.75 0.75 0.5 1
## [491] 0.75 0.75 0.5 0.75 0.75 0.5 0.75 0.5 0.75 0.5 0.5 0.75 1 0.75
## [505] 1 0.75 1 0.75 0.5 0.75 0.5 0.75 0.75 0.5 0.5 0.5 0.5 0.5 1
## [519] 1 0.75 0.5 0.5 0.5 0.75 1 1 0.75 0.75 0.75 0.75 0.75 0.75
## [533] 0.75 0.75 0.5 0.75 0.5 0.5 0.5 1 0.75 0.5 0.5 0.5 0.5 0.75 0.5
## [547] 0.5 0.75 0.5 1 0.75 0.75 0.75 0.75 0.75 0.5 0.5 1 0.75 0.75
## [561] 0.75 0.5 0.5 0.5 0.5 1 0.5 0.5 0.75 0.5 0.75 0.75 0.75 0.75
## [575] 0.5 0.75 0.75 0.75 0.75 0.75 1 0.75 0.75 0.75 0.75 0.5 0.5 0.75
## [589] 0.5 0.5 0.75 0.75 0.75 1 0.5 0.75 0.5 0.5 0.75 0.75 1 0.75
## [603] 0.75 0.75 1 0.5 0.75 0.5 0.75 0.5 1 0.75 0.75 0.5 0.75 0.75
## [617] 0.75 0.5 0.75 0.75 1 0.5 0.5 0.5 0.75 0.5 0.75 0.5 0.75 1
## [631] 0.75 0.75 0.75 0.5 0.5 0.75 0.75 0.75 0.75 1 0.75 0.75 0.75 0.75
## [645] 1 0.5 0.5 0.5 0.75 0.5 0.75 0.5 0.75 0.5 0.5 0.5 0.5 0.5 0.75
## [659] 0.75 0.75 0.75 0.5 0.75 0.75 0.5 0.75 0.5 0.75 0.75 0.75 0.75 0.5
## [673] 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.75 1 0.75 0.75 0.75 0.75
## [687] 0.75 0.75 0.5 0.75 0.75 0.75 0.5 0.5 0.75 0.5 0.75 0.5 0.5 0.75
## [701] 0.5 0.75 0.5 0.5 0.75 0.75 0.75 0.5 0.75 0.75 0.5 0.75 0.75 0.5
## [715] 0.75 1 0.5 0.5 0.75 1 1 0.75 0.75 1 0.5 1 0.5 0.75
## [729] 0.5 0.75 0.5 0.5 1 0.5 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.75
## [743] 0.75 0.75 0.75 0.5 0.5 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75
## [757] 0.5 0.75 0.5 0.75 1 0.5 1 0.75 0.5 0.5 0.5 0.75 1 0.75
## [771] 0.5 0.5 0.5 0.5 0.75 0.5 0.5 1 0.75 0.5 0.5 0.75 0.75 1
## [785] 0.75 0.5 0.75 0.75 0.5 0.5 0.75 0.5 0.5 0.75 0.5 0.5 0.75 0.75
## [799] 0.5 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.5 0.75 0.75
## [813] 0.5 0.75 0.75 0.5 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.5 0.75 0.75
## [827] 0.75 0.5 0.5 0.75 1 0.5 0.75 0.5 0.75 0.75 0.75 0.5 0.75 0.5
## [841] 0.5 0.5 0.75 0.75 0.75 0.75 0.75 0.5 0.5 0.75 0.5 0.75 1 0.5
## [855] 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.5 0.5 0.75 0.5 1 0.5
## [869] 0.5 0.5 0.75 0.5 0.75 0.75 0.5 1 0.75 0.75 1 0.75 0.75 0.5
## [883] 0.75 1 1 0.75 0.5 1 1 0.5 0.75 0.75 0.5 0.5 0.75 1
## [897] 0.5 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.75 0.75
## [911] 0.5 0.5 0.75 0.5 0.5 0.75 0.75 0.5 0.5 0.5 1 1 0.75 0.75
## [925] 0.5 0.5 0.5 0.5 0.75 0.75 0.5 1 1 1 0.5 0.5 0.5 0.75
## [939] 0.75 0.5 1 0.75 0.75 0.75 0.5 1 0.75 0.75 0.5 0.75 0.75 0.5
## [953] 0.75 0.75 0.75 1 0.75 0.75 0.75 0.75 0.75 1 0.75 0.75 0.75 0.75
## [967] 0.75 1 0.5 1 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.5 1
## [981] 0.75 0.75 0.75 1 0.75 1 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.5
## [995] 0.75 0.75 0.5 0.75 0.5 0.75 0.75 0.75 0.5 1 0.75 0.5 0.5 0.5
## [1009] 0.5 0.5 1 0.75 0.75 0.75 0.5 1 1 0.75 0.5 0.5 0.5 0.5 0.75
## [1023] 0.75 0.5 0.75 0.75 0.5 0.5 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.5
## [1037] 0.75 0.5 1 0.75 0.75 1 0.75 1 0.5 0.75 0.5 0.75 1 0.5
## [1051] 0.75 0.75 0.75 0.5 1 0.75 0.5 0.5 1 0.75 0.75 0.75 0.75 0.75

```

```

## [1065] 1     0.5   0.5   0.75  0.75  0.75 1     0.75  0.75  0.75  0.5   0.75  0.75  0.5
## [1079] 0.75  0.75  0.5   1     0.75  0.75  0.5   0.75  0.75  0.75  1     0.5   1     0.75
## [1093] 0.5   0.75  0.5   0.5   0.5   0.5   0.75  0.5   0.75  0.5   0.5   1     0.75
## [1107] 0.75  1     0.5   0.75  1     0.75  0.75  0.5   0.5   0.75  0.5   0.75  0.5   1
## [1121] 0.5   0.75  0.75  0.75  0.75  0.5   0.75  0.75  0.75  0.5   0.75  0.75  0.5
## [1135] 0.5   0.5   0.5   1     0.75  0.75  0.75  0.75  0.5   0.75  0.75  0.75  0.5   0.75
## [1149] 1     0.75  0.75  0.5   0.5   0.75  1     0.75  0.75  0.5   0.5   0.75  0.75  1
## [1163] 0.75  0.75  1     1     0.75  0.75  0.75  0.75  0.5   0.5   1     0.5   0.5   0.5
## [1177] 0.75  0.75  1     0.75  0.5   0.5   1     0.75  0.5   0.75  0.5   0.75  0.5   1
## [1191] 0.5   0.75  0.5   1     0.75  0.5   0.5   0.5   0.5   1     0.75  0.75  0.75  0.5
## [1205] 1     0.75  0.75  0.75  0.5   1     0.75  0.75  0.5   1     0.75  0.75  0.5   0.75
## [1219] 0.75  0.75  0.75  0.5   0.75  0.75  0.75  0.75  0.5   0.5   0.75  0.5   0.5
## [1233] 0.75  0.75  0.75  0.5   0.75  0.75  1     1     0.5   1     0.75  0.75  0.75  1
## [1247] 0.75  1     0.5   0.75  0.75  0.5   0.5   0.75  0.75  0.75  1     0.75  1     0.75
## [1261] 0.5   0.5   0.75  0.5   0.75  0.75  0.75  0.75  0.75  1     1     0.5   0.75  0.5
## [1275] 1     0.75  0.75  0.5   0.75  1     0.5   0.5   0.75  0.75  0.5   0.5   0.75  0.75
## [1289] 0.5   0.5   0.5   1     0.75  0.75  0.75  0.75  0.75  0.5   0.5   0.75  0.5   0.5
## [1303] 0.75  0.5   0.75  0.5   0.5   0.5   1     0.75  0.5   0.75  0.5   0.5   0.5   0.5
## [1317] 0.75  0.75  0.75  1     0.75  0.5   0.75  0.5   0.75  0.75  0.75  0.75  0.5   0.75
## [1331] 0.5   0.75  1     0.75  0.75  0.75  0.75  0.75  0.75  0.75  0.75  0.75  0.75  0.5
## [1345] 0.75  0.75  0.5   0.5   0.75  1     0.5   0.75  0.75  1     0.75  0.75  0.5   0.75
## [1359] 0.75  0.75  0.75  0.75  0.75  0.5   0.5   0.5   0.75  0.75  0.75  0.75  0.75  0.5
## [1373] 0.5   1     0.5   0.5   0.75  0.75  0.75  0.75  0.75  1     0.75  0.75  0.75  1
## [1387] 0.75  0.5   1     0.5   0.75  0.75  1     1     0.75  0.75  0.75  0.75  0.5   0.5
## [1401] 0.75  0.75  1     0.75  1     0.5   0.75  0.75  1     0.75  0.75  0.5   0.75  0.75
## [1415] 0.75  0.75  0.5   0.75  0.75  0.75  0.75  1     1     0.5   0.75  0.5   1     0.75
## [1429] 0.5   0.75  0.75  0.5   0.5   0.5   0.75  0.75  1     0.75  1     0.5   0.75  0.75
## [1443] 0.75  0.5   0.75  1     0.75  1     0.75  0.75  1     1     0.75  0.75  0.5   0.5
## [1457] 0.75  0.5   0.75  1     0.75  0.75  1     0.5   0.5   0.5   0.75  0.75  0.75  0.75
## [1471] 0.75  0.5   0.75  0.75  0.5   0.75  0.5   1     0.75  0.5   0.75  0.75  0.5   0.75
## [1485] 1     0.5   0.5   0.75  0.5   1     0.75  0.5   0.75  0.75  1     0.5   0.5   0.5
## [1499] 0.75  0.5   0.5   0.5   0.75  1     0.75  0.5   0.75  0.75  0.5   0.75  0.5   0.75
## [1513] 0.5   0.5   0.5   0.75  1     0.75  1     0.5   0.5   0.5   1     0.75  0.75  0.75  0.5
## [1527] 0.5   0.75  0.5   0.5   1     0.5   0.5   0.75  0.75  1     0.75  0.75  0.5   0.75
## [1541] 1     0.5   0.5   0.75  0.75  0.5   0.5   0.5   0.75  0.75  0.75  1     0.5   0.75
## [1555] 0.5   0.5   0.75  0.75  0.5   0.75  1     1     0.5   0.75  0.75  0.5   1     0.75
## [1569] 0.5   0.5   1     0.75  0.75  1     0.75  0.5   0.5   0.5   0.5   0.5   0.5   0.5
## [1583] 0.75  0.5   0.75  0.75  0.5   0.75  1     0.5   0.75  0.75  0.5   0.5   0.75  0.5
## [1597] 0.5   1     0.75  0.5   0.5   0.75  0.75  1     0.5   0.75  1     0.75  0.5   0.75
## [1611] 0.75  0.5   0.75  0.5   0.75  0.5   0.5   0.75  0.5   0.75  0.75  0.5   0.75  0.5
## [1625] 0.75  0.5   1     0.75  0.5   1     0.75  0.75  0.5   0.75  0.75  0.5   0.5   0.5
## [1639] 0.5   0.75  0.75  0.75  0.75  0.5   0.75  0.5   0.75  1     0.75  0.5   0.5   0.75
## [1653] 0.75  0.75  0.75  0.5   0.75  0.75  1     0.75  0.75  0.75  0.5   0.5   0.75  0.5
## [1667] 1     0.75  0.75  0.5   0.75  0.75  1     0.75  0.5   0.75  0.5   0.5   0.75  0.75
## [1681] 0.75  0.5   1     0.75  0.5   0.5   0.5   0.5   0.75  0.75  0.5   0.75  1     0.75
## [1695] 0.75  0.75  0.5   0.75  1     0.5   0.5   0.75  0.75  0.75  0.75  0.5   0.75  0.5
## [1709] 0.75  0.75  1     0.75  0.75  0.75  0.75  0.75  0.75  0.5   0.75  0.75  1     0.75
## [1723] 0.5   0.75  0.75  0.75  0.75  0.5   0.75  0.5   0.5   0.5   0.5   0.5   0.5   0.75
## [1737] 0.75  1     0.75  0.5   0.75  0.75  0.5   0.5   0.75  0.5   0.75  0.5   0.75  0.5
## [1751] 0.75  0.75  1     0.5   0.75  0.75  0.75  0.75  0.5   0.5   0.5   0.75  0.75  1
## [1765] 0.75  0.75  0.75  0.75  1     0.5   0.5   1     0.5   1     0.75  0.75  0.75  0.75
## [1779] 0.75  0.5   0.5   1     1     0.75  0.75  0.5   0.75  0.75  0.5   0.5   0.75  0.75
## [1793] 0.5   0.75  0.5   0.75  0.75  0.5   0.5   0.5   1     0.75  0.5   0.5   0.75  0.75
## [1807] 0.75  0.75  0.75  0.75  0.75  1     0.5   0.75  0.75  0.5   0.75  0.5   0.5

```

```

## [1821] 0.75 0.5 0.75 0.75 0.5 0.75 0.5 0.5 0.75 0.75 0.5 1 0.75 0.75
## [1835] 0.5 1 1 0.75 0.5 1 1 0.5 0.75 0.75 0.5 0.75 0.5 0.75 0.5 0.75
## [1849] 0.5 1 0.5 0.5 0.75 0.5 0.5 0.75 0.5 0.75 0.5 0.5 0.5 0.5 0.5
## [1863] 0.75 0.75 0.75 0.5 0.75 1 0.5 0.5 0.5 0.5 0.75 1 0.5 0.5
## [1877] 0.5 0.5 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.5 0.5
## [1891] 1 0.75 0.5 0.75 1 0.5 0.5 0.5 0.75 0.75 0.75 0.5 0.75 0.75 0.5 0.75
## [1905] 0.75 0.75 0.5 1 0.75 0.75 0.75 0.5 0.75 0.5 0.75 1 0.75 0.75 0.75
## [1919] 0.5 0.75 0.5 0.75 0.75 1 0.75 0.5 0.75 1 0.5 0.75 0.5 1
## [1933] 0.5 0.5 0.5 0.75 1 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75
## [1947] 0.75 0.5 0.5 0.5 0.75 0.5 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.75
## [1961] 0.5 1 0.75 0.5 0.75 0.75 1 1 0.75 0.75 0.5 0.75 1 1
## [1975] 0.75 0.5 1 0.75 0.5 0.5 0.75 0.75 0.75 1 0.75 0.5 1 0.75
## [1989] 0.75 0.75 0.75 0.75 0.5 0.5 0.75 0.75 1 0.75 1 0.5 1 1
## [2003] 0.5 0.75 0.75 1 1 0.5 0.5 0.75 0.5 0.75 0.5 0.75 0.75 1
## [2017] 0.5 1 0.75 0.75 0.5 0.75 0.75 0.5 0.75 0.75 0.5 0.5 0.5 0.5
## [2031] 0.5 0.75 0.75 0.75 0.5 0.75 1 0.75 1 0.75 0.75 0.5 0.75 0.5
## [2045] 0.75 0.75 0.5 1 0.75 1 1 0.75 0.75 0.75 0.75 0.5 0.75 0.75
## [2059] 1 0.5 1 0.5 0.75 0.75 0.75 0.5 0.75 1 0.75 0.5 0.75 0.5
## [2073] 0.75 0.5 0.5 0.5 0.75 0.5 0.75 0.5 0.75 0.75 0.75 0.75 0.75 1
## [2087] 0.75 0.75 0.5 0.75 0.5 0.5 0.75 0.5 0.5 0.5 0.75 0.5 0.75 0.5
## [2101] 0.75 0.75 0.75 0.75 0.5 0.5 0.75 0.75 0.75 1 0.75 0.5 0.5
## [2115] 0.5 0.75 0.5 0.5 0.5 0.75 0.5 0.75 1 0.75 0.75 0.75 0.5 0.75
## [2129] 0.75 0.5 0.5 0.5 0.75 0.5 0.75 0.5 0.75 0.75 0.5 0.75 0.75 1
## [2143] 0.75 0.75 0.75 0.5 0.75 0.75 0.5 0.75 0.5 0.5 0.5 1 0.5 0.5
## [2157] 0.5 0.75 0.5 0.75 1 0.75 0.5 0.75 1 0.5 0.75 1 1 0.75
## [2171] 0.75 0.75 0.5 0.75 1 0.75 0.75 0.75 0.5 0.5 0.75 0.75 0.75 0.75
## [2185] 0.5 1 0.75 1 0.5 0.75 0.5 0.75 1 0.75 1 0.5 0.5 0.75
## [2199] 0.5 0.5 0.75 0.75 0.5 0.75 0.75 0.5 0.5 0.5 0.5 0.75 1 0.75
## [2213] 0.75 0.75 0.75 0.5 0.5 0.75 0.5 0.75 0.5 0.5 0.75 0.5 0.75 0.5
## [2227] 0.75 0.75 0.75 0.75 0.75 1 0.5 0.75 0.75 0.75 0.5 0.75 0.5 0.75
## [2241] 0.75 0.5 0.75 1 0.5 0.5 0.5 1 0.5 0.5 0.5 0.75 0.5 0.75 0.75
## [2255] 1 0.5 0.75 0.5 0.75 0.5 0.75 0.75 1 1 0.5 0.5 0.5 1
## [2269] 0.75 0.75 1 0.75 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.5
## [2283] 0.5 0.75 0.5 0.5 0.75 1 0.75 0.75 0.5 0.5 0.5 0.75 0.5 0.75
## [2297] 0.5 0.75 0.5 0.75 0.5 0.75 0.5 0.5 0.5 0.5 0.75 0.75 0.5 0.75
## [2311] 0.75 1 0.5 0.5 0.75 0.75 0.75 0.75 0.5 0.5 0.75 0.5 1 0.5
## [2325] 0.75 1 0.5 0.75 0.75 0.75 0.5 0.5 1 0.75 0.75 0.5 0.75 0.5
## [2339] 0.75 0.75 1 0.5 0.75 0.75 0.5 0.5 0.75 0.75 0.75 0.75 0.75 1
## [2353] 0.75 0.5 0.5 0.75 0.5 0.75 0.5 0.75 1 0.75 0.75 0.75 0.75 0.75
## [2367] 0.75 0.75 1 0.5 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 1 0.75
## [2381] 1 0.75 1 0.75 0.5 0.75 0.75 0.5 1 0.75 0.75 0.75 0.5 0.5
## [2395] 0.5 1 0.75 0.5
## Levels: 0 0.25 0.5 0.75 1

confusionMatrix(table(test_pred, svm_testing$HEALTH))

```

```

## Confusion Matrix and Statistics
##
##
## test_pred 0 0.25 0.5 0.75 1
## 0 0 0 0 0 0
## 0.25 0 0 0 0 0
## 0.5 71 176 286 200 105
## 0.75 17 58 319 484 378

```

```

##      1     3    12   66   92  131
##
## Overall Statistics
##
##          Accuracy : 0.3757
## 95% CI : (0.3563, 0.3955)
## No Information Rate : 0.3236
## P-Value [Acc > NIR] : 3.971e-08
##
##          Kappa : 0.1085
##
## McNemar's Test P-Value : NA
##
## Statistics by Class:
##
##          Class: 0 Class: 0.25 Class: 0.5 Class: 0.75 Class: 1
## Sensitivity      0.00000  0.00000  0.4262  0.6237  0.21336
## Specificity      1.00000  1.00000  0.6804  0.5240  0.90303
## Pos Pred Value    NaN       NaN       0.3413  0.3854  0.43092
## Neg Pred Value    0.96205  0.8974   0.7532  0.7443  0.76934
## Prevalence        0.03795  0.1026   0.2798  0.3236  0.25605
## Detection Rate    0.00000  0.00000  0.1193  0.2018  0.05463
## Detection Prevalence 0.00000  0.00000  0.3495  0.5238  0.12677
## Balanced Accuracy  0.50000  0.50000  0.5533  0.5739  0.55819

```

```
svm_linear$bestTune
```

```

##          C
## 18 1.789474

```

```
mean(test_pred == svm_testing$HEALTH)
```

```
## [1] 0.3757298
```

```
mean(svm_linear$results$Kappa[2:20])
```

```
## [1] 0.1019099
```

```

#####
##### RADIAL
##### copy from here to change sample size
df_svm = sample_n(df_svm_full, 12000)

#changing y to factor variable
df_svm$HEALTH <- as.factor(df_svm$HEALTH)

# ##### creating training data
intrain <- createDataPartition(y= df_svm$HEALTH, p = .8,
                                list = FALSE,
                                times = 1)

svm_train_index =c(intrain)
svm_training <- df_svm[svm_train_index, ]

```

```

svm_testing <- df_svm[-svm_train_index, ]

#checking dimensions
#dim(svm_training)
#dim(svm_testing)

#convert y into factor
svm_training[["HEALTH"]] = factor(svm_training[["HEALTH"]])
##### to here to change sample size
##### and paste it above the model you want to use

svm_radial = train(
  HEALTH~.,
  data = svm_training,
  method = "svmRadial",
  trControl = trainControl("cv", number = 10),
  preProcess = c("center", "scale"),
  tuneLength = 10
)

svm_radial

## Support Vector Machines with Radial Basis Function Kernel
##
## 9602 samples
##    17 predictor
##      5 classes: '0', '0.25', '0.5', '0.75', '1'
##
## Pre-processing: centered (61), scaled (61)
## Resampling: Cross-Validated (10 fold)
## Summary of sample sizes: 8643, 8641, 8643, 8641, 8641, 8643, ...
## Resampling results across tuning parameters:
##
##     C      Accuracy   Kappa
##   0.25  0.3673126  0.08345023
##   0.50  0.3764779  0.10464640
##   1.00  0.3757539  0.10829112
##   2.00  0.3734623  0.11052117
##   4.00  0.3695016  0.11275602
##   8.00  0.3657508  0.11539950
##  16.00 0.3570023  0.10986289
##  32.00 0.3553391  0.11321094
##  64.00 0.3454463  0.10607802
## 128.00 0.3346176  0.09608535
##
## Tuning parameter 'sigma' was held constant at a value of 0.009569431
## Accuracy was used to select the optimal model using the largest value.
## The final values used for the model were sigma = 0.009569431 and C = 0.5.

svm_radial$bestTune

##           sigma   C
## 2 0.009569431 0.5

```

```
test_pred_radial <- predict(svm_radial, newdata = svm_testing)
test_pred_radial
```

```
## [1] 0.5 0.75 0.75 0.5 1 0.75 0.75 0.75 0.75 0.75 1 0.75 0.5 0.75
## [15] 0.75 0.75 1 0.75 0.75 0.5 1 0.75 0.75 0.75 0.75 0.75 0.75 0.75
## [29] 0.5 1 0.5 0.75 1 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75
## [43] 0.75 0.75 0.5 0.5 0.75 0.5 0.75 0.75 0.75 0.5 0.5 0.75 0.75 0.75
## [57] 0.5 0.75 1 1 0.75 0.5 0.75 0.75 0.75 0.5 0.75 0.75 0.5 1
## [71] 1 0.75 0.75 0.5 0.75 0.75 0.5 0.5 0.75 0.75 0.75 0.5 0.75 1
## [85] 0.75 0.5 0.75 0.5 0.75 0.75 0.5 1 0.75 0.75 0.75 1 0.75
## [99] 0.75 0.75 0.5 0.75 0.5 0.75 0.75 0.75 0.5 0.75 1 0.75 0.75 0.5
## [113] 0.5 0.75 0.75 0.5 1 0.75 1 0.75 0.75 1 0.75 0.75 0.75 0.75
## [127] 0.75 0.75 0.75 0.75 0.5 0.5 0.5 0.75 0.75 1 0.5 0.75 0.5 1
## [141] 0.5 0.5 0.75 0.75 0.75 0.5 0.5 0.75 0.75 0.75 0.75 0.75 0.75
## [155] 0.75 0.5 0.75 1 0.5 0.75 0.5 0.5 0.75 0.75 0.5 0.5 0.75 0.75
## [169] 0.75 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 1
## [183] 0.75 0.5 0.5 0.75 0.5 0.5 0.75 1 0.75 0.75 0.75 0.75 0.75 0.75
## [197] 0.75 1 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 1 0.75 0.75 0.75
## [211] 0.75 0.75 1 0.75 0.5 0.75 0.75 0.5 0.75 0.75 0.5 0.5 0.75 0.5
## [225] 0.5 0.5 1 1 0.75 0.75 0.75 1 0.5 0.75 0.75 0.75 0.75 0.75
## [239] 0.75 0.5 0.75 0.5 0.5 0.75 0.5 0.75 0.75 0.75 1 0.75 0.75
## [253] 0.75 0.75 0.75 0.75 0.75 0.75 1 0.75 1 0.75 0.75 0.5 0.5
## [267] 0.5 0.75 0.75 0.75 0.5 0.75 1 0.75 0.75 0.75 1 0.5 0.75 1
## [281] 0.75 0.75 0.75 0.5 0.75 0.75 0.5 0.75 0.75 0.75 0.5 0.5 0.75
## [295] 0.5 0.75 0.5 0.5 0.75 0.5 0.75 0.75 1 0.75 0.75 0.75 0.75 0.75
## [309] 1 1 0.5 0.5 0.5 0.75 0.75 0.75 0.5 0.75 0.5 1 0.75 0.75
## [323] 0.75 1 0.75 0.75 0.75 0.75 0.75 1 1 1 0.75 0.5 0.5 1
## [337] 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.75 1
## [351] 1 0.75 0.5 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.5 0.5 0.75 0.5
## [365] 0.75 0.5 0.75 0.5 0.5 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.75
## [379] 0.5 0.75 0.75 0.75 1 1 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.5
## [393] 0.5 0.75 0.5 0.75 0.5 0.75 0.75 0.75 0.5 1 0.75 0.5 0.75 0.75
## [407] 0.75 0.75 0.5 0.75 0.5 1 0.5 0.75 0.75 0.75 0.75 0.75 1 0.5
## [421] 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.5 1 1 0.75 0.5 0.5 0.75
## [435] 0.75 1 0.75 0.75 1 0.75 0.75 0.5 1 0.75 0.5 0.75 0.75 0.75
## [449] 0.75 0.75 1 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.5 0.75 0.75 0.75
## [463] 0.75 0.5 0.75 0.75 0.75 0.75 0.5 1 0.5 0.75 0.5 0.75 0.75 0.5
## [477] 0.5 0.75 0.75 0.75 1 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.75
## [491] 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.5 1 0.75 0.75 1 1 0.5
## [505] 0.75 0.75 1 0.75 1 1 0.75 0.5 0.5 0.5 0.75 0.5 0.75 0.5
## [519] 1 0.75 0.75 0.75 0.75 0.75 0.75 1 0.75 0.75 1 1 0.5 0.75
## [533] 0.5 0.75 1 0.5 1 0.75 1 0.75 0.5 0.5 1 0.75 0.5 0.5
## [547] 0.5 1 0.5 0.75 0.75 0.75 0.75 0.75 0.75 1 0.75 0.5 0.5
## [561] 0.75 0.75 0.75 0.75 0.75 1 1 0.75 0.75 0.75 0.5 0.5 0.75 0.75
## [575] 0.5 0.75 0.5 0.5 0.75 0.75 0.5 0.75 0.5 1 0.5 0.75 0.5 0.75
## [589] 0.5 0.75 0.75 0.75 0.5 1 0.5 0.75 0.5 0.75 0.75 0.5 0.75 0.5
## [603] 0.5 0.75 0.75 1 0.75 1 0.75 0.75 0.75 1 0.5 0.75 0.75 1
## [617] 1 0.5 0.75 1 0.75 1 1 0.75 0.75 1 0.75 0.75 0.75 0.75
## [631] 0.5 0.5 1 0.75 0.5 0.75 0.75 0.75 0.75 0.5 0.5 0.75 0.75 0.5
## [645] 0.75 0.75 0.5 0.75 1 1 0.75 0.75 0.75 0.5 0.5 0.75 0.5 0.75
## [659] 0.5 0.5 0.5 0.5 0.75 0.5 1 0.75 0.75 0.75 0.75 0.75 0.75 0.5
## [673] 0.75 1 0.75 0.5 0.75 1 0.5 0.75 0.75 1 0.75 0.75 0.75 0.5
## [687] 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.5 0.75
```

```

## [701] 0.5 1 0.75 0.75 1 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75
## [715] 0.5 0.75 0.5 0.75 0.75 0.75 1 0.75 0.5 0.75 0.75 0.75 1 0.75 0.75
## [729] 0.5 0.5 0.75 0.75 0.75 0.5 0.5 0.5 0.75 0.5 0.75 0.5 0.5 0.5 0.5 1
## [743] 1 0.75 1 0.5 0.75 0.75 0.5 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.75 0.75
## [757] 0.75 1 0.75 0.75 0.75 0.5 0.75 0.5 0.5 0.5 0.75 1 0.75 0.75 0.75 0.75
## [771] 0.75 0.75 0.75 1 0.75 0.75 0.5 0.5 1 0.75 0.75 0.75 0.75 0.75 0.75 0.75
## [785] 1 0.75 0.75 0.75 0.5 0.75 0.75 1 0.5 0.75 0.75 0.75 0.75 0.5 0.5
## [799] 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.5 0.75 0.75 1 0.75 1 0.5
## [813] 0.75 0.5 0.5 0.75 0.75 0.75 0.5 0.75 0.5 0.75 0.5 0.75 0.75 0.75 0.75
## [827] 0.75 0.75 0.75 0.5 0.75 0.75 0.5 0.75 1 0.75 1 0.75 0.5 0.75
## [841] 1 0.5 0.75 0.5 0.5 0.75 0.5 0.75 0.75 1 0.75 0.75 1 1
## [855] 0.75 1 0.75 0.75 0.75 0.75 1 0.75 0.75 0.5 0.75 0.75 0.75 0.75 0.75
## [869] 0.5 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 1 0.5 0.75 0.5 0.75
## [883] 0.75 0.75 0.5 0.75 0.75 0.5 0.5 0.75 0.75 0.75 1 0.75 0.75 1
## [897] 0.5 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.5 0.5 0.75 1 0.75 0.5
## [911] 0.75 0.5 1 0.75 0.75 0.75 0.75 0.5 1 0.75 0.75 0.5 0.75 0.5 0.75
## [925] 0.75 0.5 0.5 0.75 0.75 0.75 0.5 0.5 0.75 0.75 0.75 0.5 0.75 0.75
## [939] 0.5 0.75 1 0.5 1 0.75 0.5 0.5 1 1 0.75 0.75 0.75 0.75 0.75
## [953] 1 0.75 0.75 0.75 0.75 0.5 0.75 1 0.75 0.75 0.75 0.5 0.75 0.75
## [967] 1 0.75 0.5 0.5 0.5 0.75 0.5 0.75 1 1 0.75 0.75 0.75 0.75 0.75
## [981] 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.5 0.75
## [995] 0.75 0.75 0.75 0.5 0.75 0.5 0.75 0.75 0.5 0.75 0.75 0.75 0.75 0.5
## [1009] 0.5 0.75 0.75 0.5 1 0.5 0.5 0.75 0.75 0.75 0.5 0.75 0.75 0.5
## [1023] 0.75 0.5 1 0.75 0.75 0.5 0.5 0.75 0.75 0.75 0.5 0.75 1 0.5
## [1037] 0.5 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.75 1 0.5
## [1051] 0.75 0.5 1 0.75 0.75 0.5 1 1 0.75 0.5 0.5 1 0.75 0.75
## [1065] 0.75 0.5 0.5 0.5 0.5 0.5 0.75 0.5 0.75 0.75 1 0.5 0.5 0.75
## [1079] 0.75 0.75 0.5 0.75 0.75 0.75 1 0.75 0.5 1 0.75 1 0.5 0.5
## [1093] 0.75 0.5 1 1 0.5 0.5 0.5 0.75 0.75 0.75 0.75 0.5 0.75 1
## [1107] 0.75 0.75 1 0.5 0.75 1 0.75 0.75 0.5 0.75 0.75 1 1 0.75
## [1121] 0.75 1 1 0.75 0.75 0.5 0.5 0.5 0.75 0.75 0.75 0.75 0.5 0.75
## [1135] 0.75 0.75 0.5 0.75 0.75 0.75 0.75 1 0.75 0.75 1 0.75 0.5 1
## [1149] 0.5 1 0.75 1 1 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.5 0.75
## [1163] 0.75 0.75 0.5 0.5 0.75 0.75 1 1 0.5 0.75 0.75 0.75 0.5 0.5
## [1177] 1 0.5 0.5 0.5 0.5 1 1 0.5 0.75 0.75 1 0.75 0.75 0.5
## [1191] 0.75 0.75 0.75 0.5 0.5 0.75 0.75 0.75 0.75 0.5 0.75 0.5 0.75
## [1205] 0.75 0.75 0.5 0.5 0.5 0.75 0.5 0.75 1 0.75 0.75 0.5 0.75 1
## [1219] 0.5 1 0.75 0.5 0.75 0.75 0.75 1 1 0.75 0.75 1 0.75 0.75
## [1233] 0.5 1 0.75 0.5 0.75 0.75 0.5 1 1 0.75 0.75 0.5 0.75 1
## [1247] 1 0.75 0.5 0.75 0.75 0.75 1 0.75 0.75 0.5 0.75 0.75 0.5 0.75
## [1261] 0.5 0.75 0.5 0.75 0.75 1 0.5 0.75 0.5 0.75 0.75 0.75 0.75 1
## [1275] 0.75 0.75 1 0.75 0.5 0.75 0.5 0.75 0.5 0.75 0.5 1 0.75 0.75
## [1289] 0.75 0.5 0.5 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.75
## [1303] 0.75 0.5 0.75 0.75 0.75 0.5 0.75 0.75 1 0.75 0.75 0.5 0.75 0.5
## [1317] 0.75 0.5 0.75 0.75 0.5 1 0.75 1 0.75 1 0.75 0.5 0.5 0.75
## [1331] 0.5 0.5 0.5 0.5 0.75 0.75 0.75 1 0.5 0.5 1 0.75 0.75
## [1345] 0.75 0.75 0.75 1 0.5 0.75 0.75 0.75 0.5 0.5 0.75 0.75 0.5 0.75
## [1359] 0.75 0.75 1 0.75 0.5 0.75 0.5 1 0.5 1 0.75 0.75 0.75 1
## [1373] 0.75 0.5 0.5 0.5 1 0.75 0.75 0.75 0.5 1 0.75 0.5 0.5 1
## [1387] 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.5 0.75 0.5 0.75 1
## [1401] 0.75 0.75 1 0.5 0.75 0.5 0.75 0.75 0.75 0.75 0.5 0.5 0.75 0.5
## [1415] 0.75 0.75 1 1 0.5 0.75 0.5 0.75 0.75 0.75 0.75 0.5 0.5 0.75
## [1429] 0.75 0.75 0.75 0.75 0.5 0.75 0.5 0.75 1 0.75 0.75 1 0.75 0.75
## [1443] 0.75 1 0.5 0.5 1 1 0.75 0.5 0.5 0.75 0.75 0.75 1 0.75

```

```

## [1457] 0.5 0.75 0.75 0.5 0.75 0.75 0.5 0.75 0.75 0.5 1 0.5 0.75 0.75
## [1471] 0.75 0.5 0.5 1 0.5 0.75 0.75 0.5 0.5 0.75 1 0.5 0.5 0.75
## [1485] 0.5 0.75 0.75 1 0.75 0.5 0.5 0.75 0.75 1 1 1 0.5 0.75
## [1499] 0.5 0.75 1 1 1 0.75 0.75 0.75 1 0.75 0.75 1 1 0.75
## [1513] 0.75 0.75 0.75 0.75 0.75 0.5 0.5 0.75 0.75 0.75 0.5 1 0.75
## [1527] 0.75 0.75 1 0.75 1 0.75 0.75 0.75 0.5 0.5 0.75 0.75 0.5 0.75
## [1541] 0.5 0.75 1 0.75 0.75 0.75 0.5 0.75 0.5 0.75 0.75 0.75 0.5 1
## [1555] 0.5 0.75 0.5 1 0.75 0.75 0.75 0.75 1 0.5 1 0.75 0.75 0.75 0.75
## [1569] 0.75 0.75 0.5 0.5 0.5 1 0.75 0.75 0.5 1 0.75 0.75 0.5 0.75
## [1583] 0.5 0.5 0.75 0.75 0.75 0.5 0.75 1 0.75 0.75 0.75 0.5 1 0.75
## [1597] 1 0.75 0.75 0.75 0.5 1 1 0.75 0.5 0.75 0.75 0.75 1 0.5
## [1611] 0.5 0.75 0.75 0.75 0.5 1 1 0.5 0.5 0.75 0.75 0.75 0.5 0.75
## [1625] 0.75 0.5 0.75 0.75 0.75 1 0.5 0.5 0.75 0.75 0.75 0.75 1 0.5
## [1639] 0.75 0.5 1 0.5 0.75 0.75 1 0.5 0.5 0.75 1 0.75 0.5 0.75
## [1653] 0.75 0.75 0.75 0.75 0.5 0.75 0.75 1 0.5 0.5 0.5 0.75 0.75 0.75
## [1667] 0.75 1 1 0.75 0.75 0.5 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.75
## [1681] 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.75 1 0.75 0.5
## [1695] 0.5 0.75 0.75 1 0.5 0.75 0.75 0.75 0.75 1 0.75 1 0.5 1
## [1709] 0.5 1 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.5 0.5 0.75 0.75 0.5
## [1723] 0.75 0.5 0.75 0.5 0.75 0.5 0.75 0.5 0.75 0.5 1 0.75 0.5 0.75 0.75 0.5
## [1737] 0.75 0.5 1 0.5 0.75 0.75 0.5 1 0.75 0.75 0.5 1 0.5 0.75
## [1751] 0.5 0.5 0.5 0.5 0.75 0.75 1 0.75 1 0.75 0.5 0.5 0.5 0.75
## [1765] 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.5 0.75 0.5 1 0.75 0.5 0.75
## [1779] 0.5 1 0.75 0.75 0.75 1 0.5 0.5 0.75 0.5 0.75 0.75 0.75 0.75 0.75
## [1793] 0.75 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.75 1 0.75
## [1807] 0.5 0.75 0.5 0.5 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.75 1 0.5
## [1821] 0.75 0.75 0.5 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.75
## [1835] 1 0.75 1 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 1 1
## [1849] 0.75 1 0.75 0.5 0.75 1 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.5 0.5
## [1863] 0.75 0.5 1 0.75 0.75 1 0.75 0.5 0.75 0.75 0.75 1 0.5 0.75
## [1877] 0.75 0.5 0.5 1 0.5 0.75 0.5 0.75 1 0.75 0.75 0.75 0.5 0.75
## [1891] 0.75 0.75 0.75 0.75 1 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.5 0.5
## [1905] 1 1 0.75 0.75 0.75 0.75 0.75 0.5 0.5 0.75 0.75 0.75 0.75 0.75
## [1919] 0.75 0.75 0.75 0.5 0.75 0.75 0.5 1 0.75 0.75 0.5 0.5 0.5 0.75
## [1933] 0.75 0.75 0.75 0.5 0.75 0.75 0.5 1 0.75 0.75 0.75 1 0.75 0.75
## [1947] 1 1 0.75 0.5 0.5 0.75 1 0.5 1 0.75 0.5 1 0.75 0.75
## [1961] 0.75 0.75 0.5 0.75 0.75 0.75 0.5 0.5 0.5 1 0.75 0.75 0.75 0.75
## [1975] 0.75 0.75 1 0.5 0.75 0.5 0.5 0.75 0.75 0.5 0.5 0.75 0.5 0.75
## [1989] 1 1 0.5 0.5 1 0.5 0.75 0.75 1 0.75 1 0.75 0.75 1
## [2003] 0.75 1 0.75 0.5 0.75 0.75 0.5 0.75 0.5 0.5 0.75 0.5 0.5 0.75
## [2017] 0.75 0.75 0.5 1 0.75 0.5 0.75 0.75 0.75 0.5 0.5 0.5 0.5 1
## [2031] 0.75 0.75 0.75 0.75 0.5 0.75 0.75 0.5 1 0.5 0.75 0.5 0.75 0.75
## [2045] 0.75 0.5 1 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75
## [2059] 0.75 0.75 0.75 0.5 0.5 0.5 0.75 1 0.5 0.75 0.75 0.75 0.75 1
## [2073] 1 0.75 0.75 0.75 0.75 0.75 0.75 0.5 0.75 0.5 1 0.75 0.5 0.5
## [2087] 0.5 0.5 1 0.75 0.75 1 0.75 0.75 0.5 0.5 0.75 0.5 0.75 0.75
## [2101] 0.75 0.75 0.75 0.5 0.5 1 0.75 0.5 1 0.75 0.75 0.5 0.75 0.75
## [2115] 0.75 0.75 0.5 0.5 1 1 1 0.75 0.5 0.75 0.75 0.75 0.75 0.75
## [2129] 0.5 1 0.75 1 0.75 0.5 1 0.75 0.75 0.75 0.75 0.75 0.5 0.75
## [2143] 0.75 0.75 1 0.5 0.5 0.5 0.75 0.5 0.75 0.5 0.75 0.75 0.75 0.75
## [2157] 0.75 0.75 0.75 0.75 1 0.75 1 0.75 0.5 0.5 0.75 0.75 0.75 0.75
## [2171] 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75
## [2185] 0.75 0.75 0.75 1 0.5 0.5 1 1 0.75 1 1 1 0.5 0.75
## [2199] 1 0.75 0.75 0.75 0.5 0.75 0.75 1 0.75 0.5 0.75 0.5 0.75 0.75

```

```

## [2213] 0.75 0.75 0.5 0.75 0.5 0.75 0.75 0.75 0.5 0.5 1 0.75 0.5 0.75
## [2227] 0.75 0.75 0.75 0.5 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.75
## [2241] 0.75 0.75 0.75 0.5 0.5 0.75 1 0.5 0.75 0.75 0.5 1 0.5 1
## [2255] 0.5 0.75 0.5 1 0.5 0.5 0.5 0.75 0.75 1 0.75 0.75 1 0.75
## [2269] 0.75 0.75 0.5 0.75 0.75 0.75 0.75 1 1 0.75 1 0.75 0.75 0.75
## [2283] 0.75 0.5 0.75 0.75 0.75 0.5 0.75 0.5 0.75 0.75 1 0.75 0.75 1
## [2297] 0.75 0.75 0.5 0.75 1 1 0.5 0.5 0.5 0.75 0.5 1 0.5 0.75
## [2311] 0.75 0.75 0.5 0.75 0.5 1 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.5
## [2325] 0.75 0.5 0.75 1 0.5 0.5 0.75 0.75 1 0.75 0.5 0.75 0.75 0.75
## [2339] 0.75 0.5 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.5 0.5 0.75 0.75
## [2353] 0.75 1 0.5 0.75 0.5 1 0.75 0.75 0.75 0.75 0.75 0.75 0.75 0.5
## [2367] 0.5 0.75 0.75 0.75 0.5 0.75 0.75 0.75 0.5 0.5 0.5 0.75 0.75 0.75
## [2381] 0.75 0.5 0.5 0.5 0.75 0.75 0.75 0.5 0.5 0.75 0.5 0.75 0.75 0.5
## [2395] 0.75 0.5 0.75 0.75
## Levels: 0 0.25 0.5 0.75 1

confusionMatrix(table(test_pred_radial, svm_testing$HEALTH))

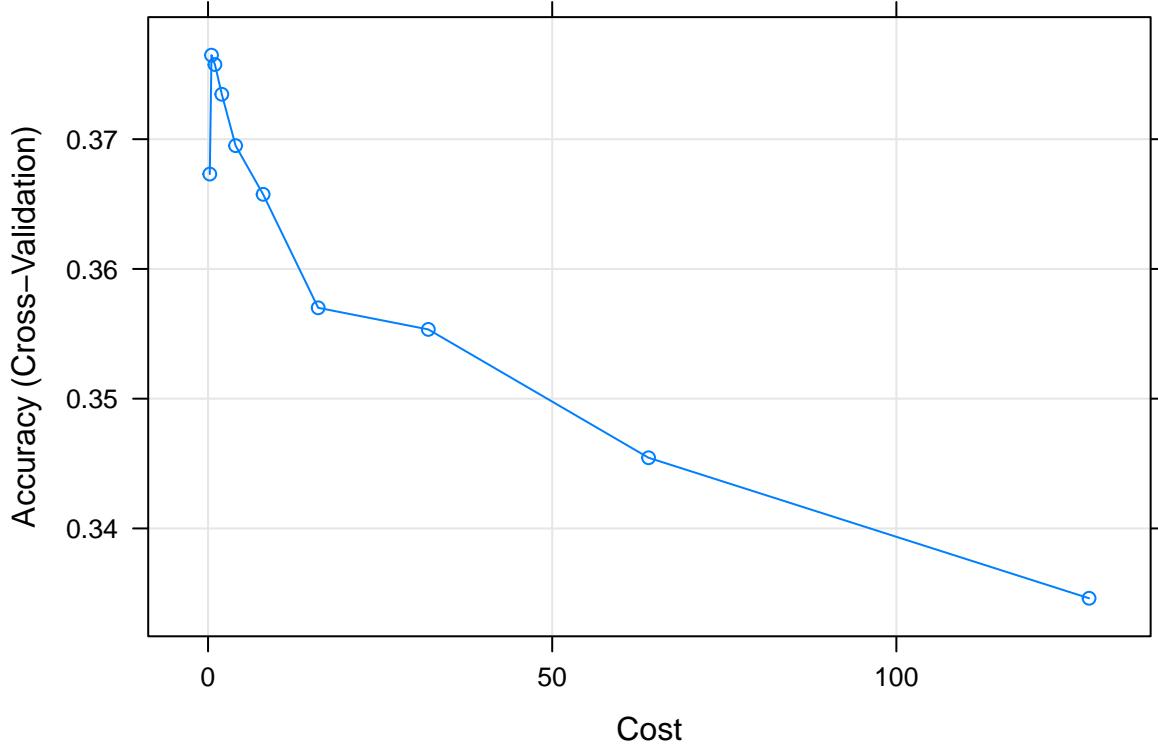
## Confusion Matrix and Statistics
##
## 
## test_pred_radial   0 0.25 0.5 0.75   1
##                 0   0   0   0   0
##                 0.25 0   0   0   0
##                 0.5   66 141 208 147 83
##                 0.75 19  92 367 542 390
##                 1    4  10  78 103 148
##
## Overall Statistics
##
## 
## Accuracy : 0.3745
## 95% CI : (0.3551, 0.3942)
## No Information Rate : 0.3303
## P-Value [Acc > NIR] : 2.866e-06
##
## 
## Kappa : 0.1006
## 
## 
## Mcnemar's Test P-Value : NA
## 
## 
## Statistics by Class:
## 
## 
##          Class: 0 Class: 0.25 Class: 0.5 Class: 0.75 Class: 1
## Sensitivity      0.00000 0.00000 0.31853 0.6843 0.23833
## Specificity      1.00000 1.00000 0.74957 0.4595 0.89026
## Pos Pred Value     NaN       NaN 0.32248 0.3844 0.43149
## Neg Pred Value     0.96289 0.8987 0.74615 0.7470 0.76983
## Prevalence        0.03711 0.1013 0.27231 0.3303 0.25897
## Detection Rate     0.00000 0.00000 0.08674 0.2260 0.06172
## Detection Prevalence 0.00000 0.00000 0.26897 0.5880 0.14304
## Balanced Accuracy    0.50000 0.50000 0.53405 0.5719 0.56429

mean(test_pred_radial == svm_testing$HEALTH)

## [1] 0.3744787

```

```
plot(svm_radial)
```



```
#####
#sum_poly = train(
#  HEALTH~.,
#  data = sum_training,
#  method = "sumPoly",
#  trControl = trainControl("cv", number = 10),
#  preProcess = c("center", "scale"),
#  tuneLength = 10
# )  
  
#sum_poly  
  
#sum_poly$bestTune  
#test_pred_poly <- predict(sum_poly, newdata = sum_testing)  
#test_pred_poly  
  
#confusionMatrix(table(test_pred_poly, sum_testing$HEALTH))  
#mean(test_pred_poly == sum_testing$HEALTH)  
  
#could not run this test due to computational and time constraints, even after reducing sample sizes do  
# #####
```