missing\_2022

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Do we want to use readability to predict the three dichotomous outcomes (e.g., don’t know)? Not sure what that would look like - is that most easily understood if we explore 3 unique regressions? Write a function for that??

Or, could try to get some quick data on how sensitive the questions themselves are and use that in a similar way to desirability…

Next: select only the usable variables?? and create a new dataframe of just those?

#example of how we could recode all of them by variable name  
variablename <- data$ABANY\_2  
abany\_recoded <- missing\_codes(variablename)  
  
table(abany\_recoded) #This newly created variable should be the same as one below

## abany\_recoded  
## 0 1 2 3 4   
## 1186 20 5 7 3997

table(abany\_r) #it worked

## abany\_r  
## 0 1 2 3 4   
## 1186 20 5 7 3997

table(data$ABANY\_2)

##   
## 1 2   
## 627 559

#Now, need a loop to do all of the variables this way  
#https://r4ds.had.co.nz/iteration.html  
#https://www.datacamp.com/community/tutorials/tutorial-on-loops-in-r  
#output <- vector("double", length = 4295) # 1. output  
#for (i in seq\_along(data)) { # 2. sequence  
# output[[i]] <- missing\_codes(data) # 3. body  
#}  
#output

variablename <- data$COLRAC\_2 ; COLRAC\_2\_recoded <- missing\_codes(variablename) ; table(COLRAC\_2\_recoded) ; data <- cbind(data,COLRAC\_2\_recoded)

## COLRAC\_2\_recoded  
## 0 1 2 3 4   
## 1193 14 3 8 3997

variablename <- data$COLCOM\_2 ; COLCOM\_2\_recoded <- missing\_codes(variablename) ; table(COLCOM\_2\_recoded) ; data <- cbind(data,COLCOM\_2\_recoded)

## COLCOM\_2\_recoded  
## 0 1 2 3 4   
## 584 12 4 6 4609

variablename <- data$INTLHSPS\_2 ; INTLHSPS\_2\_recoded <- missing\_codes(variablename) ; table(INTLHSPS\_2\_recoded) ; data <- cbind(data,INTLHSPS\_2\_recoded)

## INTLHSPS\_2\_recoded  
## 0 4   
## 1823 3392

variablename <- data$INTLBLKS\_2 ; INTLBLKS\_2\_recoded <- missing\_codes(variablename) ; table(INTLBLKS\_2\_recoded) ; data <- cbind(data,INTLBLKS\_2\_recoded)

## INTLBLKS\_2\_recoded  
## 0 1 3 4   
## 1159 9 10 4037

variablename <- data$LONELY2\_2 ; LONELY2\_2\_recoded <- missing\_codes(variablename) ; table(LONELY2\_2\_recoded) ; data <- cbind(data,LONELY2\_2\_recoded)

## LONELY2\_2\_recoded  
## 0 2 3 4   
## 1779 3 2 3431

variablename <- data$AFRAIDOF\_2 ; AFRAIDOF\_2\_recoded <- missing\_codes(variablename) ; table(AFRAIDOF\_2\_recoded) ; data <- cbind(data,AFRAIDOF\_2\_recoded)

## AFRAIDOF\_2\_recoded  
## 0 1 2 3 4   
## 1196 4 2 3 4010

variablename <- data$NOTSMART\_2 ; NOTSMART\_2\_recoded <- missing\_codes(variablename) ; table(NOTSMART\_2\_recoded) ; data <- cbind(data,NOTSMART\_2\_recoded)

## NOTSMART\_2\_recoded  
## 0 1 2 3 4   
## 1191 7 3 4 4010

variablename <- data$THREATEN\_2 ; THREATEN\_2\_recoded <- missing\_codes(variablename) ; table(THREATEN\_2\_recoded) ; data <- cbind(data,THREATEN\_2\_recoded)

## THREATEN\_2\_recoded  
## 0 1 2 3 4   
## 1198 3 1 3 4010

variablename <- data$POORSERV\_2 ; POORSERV\_2\_recoded <- missing\_codes(variablename) ; table(POORSERV\_2\_recoded) ; data <- cbind(data,POORSERV\_2\_recoded)

## POORSERV\_2\_recoded  
## 0 1 2 3 4   
## 1189 7 2 7 4010

variablename <- data$NATCHLD\_2 ; NATCHLD\_2\_recoded <- missing\_codes(variablename) ; table(NATCHLD\_2\_recoded) ; data <- cbind(data,NATCHLD\_2\_recoded)

## NATCHLD\_2\_recoded  
## 0 1 2 3 4   
## 1773 30 1 19 3392

variablename <- data$NATFAREY\_2 ; NATFAREY\_2\_recoded <- missing\_codes(variablename) ; table(NATFAREY\_2\_recoded) ; data <- cbind(data,NATFAREY\_2\_recoded)

## NATFAREY\_2\_recoded  
## 0 1 3 4   
## 912 1 6 4296

variablename <- data$NATCITYY\_2 ; NATCITYY\_2\_recoded <- missing\_codes(variablename) ; table(NATCITYY\_2\_recoded) ; data <- cbind(data,NATCITYY\_2\_recoded)

## NATCITYY\_2\_recoded  
## 0 1 3 4   
## 883 30 6 4296

variablename <- data$NATRACEY\_2 ; NATRACEY\_2\_recoded <- missing\_codes(variablename) ; table(NATRACEY\_2\_recoded) ; data <- cbind(data,NATRACEY\_2\_recoded)

## NATRACEY\_2\_recoded  
## 0 1 2 3 4   
## 896 12 3 8 4296

variablename <- data$NATAIDY\_2 ; NATAIDY\_2\_recoded <- missing\_codes(variablename) ; table(NATAIDY\_2\_recoded) ; data <- cbind(data,NATAIDY\_2\_recoded)

## NATAIDY\_2\_recoded  
## 0 1 2 3 4   
## 906 5 1 7 4296

variablename <- data$NATDRUG\_2 ; NATDRUG\_2\_recoded <- missing\_codes(variablename) ; table(NATDRUG\_2\_recoded) ; data <- cbind(data,NATDRUG\_2\_recoded)

## NATDRUG\_2\_recoded  
## 0 1 3 4   
## 896 5 3 4311

variablename <- data$NATENRGY\_2 ; NATENRGY\_2\_recoded <- missing\_codes(variablename) ; table(NATENRGY\_2\_recoded) ; data <- cbind(data,NATENRGY\_2\_recoded)

## NATENRGY\_2\_recoded  
## 0 1 2 3 4   
## 1797 17 1 8 3392

variablename <- data$NATDRUGY\_2 ; NATDRUGY\_2\_recoded <- missing\_codes(variablename) ; table(NATDRUGY\_2\_recoded) ; data <- cbind(data,NATDRUGY\_2\_recoded)

## NATDRUGY\_2\_recoded  
## 0 1 2 3 4   
## 897 13 3 6 4296

variablename <- data$NATEDUCY\_2 ; NATEDUCY\_2\_recoded <- missing\_codes(variablename) ; table(NATEDUCY\_2\_recoded) ; data <- cbind(data,NATEDUCY\_2\_recoded)

## NATEDUCY\_2\_recoded  
## 0 1 3 4   
## 913 4 2 4296

variablename <- data$NATCRIME\_2 ; NATCRIME\_2\_recoded <- missing\_codes(variablename) ; table(NATCRIME\_2\_recoded) ; data <- cbind(data,NATCRIME\_2\_recoded)

## NATCRIME\_2\_recoded  
## 0 1 3 4   
## 891 8 5 4311

variablename <- data$NATHEALY\_2 ; NATHEALY\_2\_recoded <- missing\_codes(variablename) ; table(NATHEALY\_2\_recoded) ; data <- cbind(data,NATHEALY\_2\_recoded)

## NATHEALY\_2\_recoded  
## 0 1 3 4   
## 910 4 5 4296

variablename <- data$NATENVIR\_2 ; NATENVIR\_2\_recoded <- missing\_codes(variablename) ; table(NATENVIR\_2\_recoded) ; data <- cbind(data,NATENVIR\_2\_recoded)

## NATENVIR\_2\_recoded  
## 0 1 3 4   
## 896 6 2 4311

variablename <- data$NATHEAL\_2 ; NATHEAL\_2\_recoded <- missing\_codes(variablename) ; table(NATHEAL\_2\_recoded) ; data <- cbind(data,NATHEAL\_2\_recoded)

## NATHEAL\_2\_recoded  
## 0 1 3 4   
## 885 6 13 4311

variablename <- data$NATRACE\_2 ; NATRACE\_2\_recoded <- missing\_codes(variablename) ; table(NATRACE\_2\_recoded) ; data <- cbind(data,NATRACE\_2\_recoded)

## NATRACE\_2\_recoded  
## 0 1 2 3 4   
## 883 8 4 9 4311

variablename <- data$NATEDUC\_2 ; NATEDUC\_2\_recoded <- missing\_codes(variablename) ; table(NATEDUC\_2\_recoded) ; data <- cbind(data,NATEDUC\_2\_recoded)

## NATEDUC\_2\_recoded  
## 0 1 3 4   
## 900 1 3 4311

variablename <- data$NATCRIMY\_2 ; NATCRIMY\_2\_recoded <- missing\_codes(variablename) ; table(NATCRIMY\_2\_recoded) ; data <- cbind(data,NATCRIMY\_2\_recoded)

## NATCRIMY\_2\_recoded  
## 0 1 2 3 4   
## 908 3 2 6 4296

variablename <- data$NATMASS\_2 ; NATMASS\_2\_recoded <- missing\_codes(variablename) ; table(NATMASS\_2\_recoded) ; data <- cbind(data,NATMASS\_2\_recoded)

## NATMASS\_2\_recoded  
## 0 1 3 4   
## 1788 24 11 3392

variablename <- data$NATARMSY\_2 ; NATARMSY\_2\_recoded <- missing\_codes(variablename) ; table(NATARMSY\_2\_recoded) ; data <- cbind(data,NATARMSY\_2\_recoded)

## NATARMSY\_2\_recoded  
## 0 1 3 4   
## 913 3 3 4296

variablename <- data$NATPARK\_2 ; NATPARK\_2\_recoded <- missing\_codes(variablename) ; table(NATPARK\_2\_recoded) ; data <- cbind(data,NATPARK\_2\_recoded)

## NATPARK\_2\_recoded  
## 0 1 2 3 4   
## 1804 11 1 7 3392

variablename <- data$NATSOC\_2 ; NATSOC\_2\_recoded <- missing\_codes(variablename) ; table(NATSOC\_2\_recoded) ; data <- cbind(data,NATSOC\_2\_recoded)

## NATSOC\_2\_recoded  
## 0 1 3 4   
## 1800 12 11 3392

variablename <- data$NATCITY\_2 ; NATCITY\_2\_recoded <- missing\_codes(variablename) ; table(NATCITY\_2\_recoded) ; data <- cbind(data,NATCITY\_2\_recoded)

## NATCITY\_2\_recoded  
## 0 1 3 4   
## 880 18 6 4311

variablename <- data$NATSPACY\_2 ; NATSPACY\_2\_recoded <- missing\_codes(variablename) ; table(NATSPACY\_2\_recoded) ; data <- cbind(data,NATSPACY\_2\_recoded)

## NATSPACY\_2\_recoded  
## 0 1 3 4   
## 896 21 2 4296

variablename <- data$NATSCI\_2 ; NATSCI\_2\_recoded <- missing\_codes(variablename) ; table(NATSCI\_2\_recoded) ; data <- cbind(data,NATSCI\_2\_recoded)

## NATSCI\_2\_recoded  
## 0 1 3 4   
## 1794 20 9 3392

variablename <- data$NATENVIY\_2 ; NATENVIY\_2\_recoded <- missing\_codes(variablename) ; table(NATENVIY\_2\_recoded) ; data <- cbind(data,NATENVIY\_2\_recoded)

## NATENVIY\_2\_recoded  
## 0 1 2 3 4   
## 911 5 1 2 4296

variablename <- data$NATARMS\_2 ; NATARMS\_2\_recoded <- missing\_codes(variablename) ; table(NATARMS\_2\_recoded) ; data <- cbind(data,NATARMS\_2\_recoded)

## NATARMS\_2\_recoded  
## 0 1 3 4   
## 894 6 4 4311

variablename <- data$NATSPAC\_2 ; NATSPAC\_2\_recoded <- missing\_codes(variablename) ; table(NATSPAC\_2\_recoded) ; data <- cbind(data,NATSPAC\_2\_recoded)

## NATSPAC\_2\_recoded  
## 0 1 3 4   
## 883 18 3 4311

variablename <- data$NATFARE\_2 ; NATFARE\_2\_recoded <- missing\_codes(variablename) ; table(NATFARE\_2\_recoded) ; data <- cbind(data,NATFARE\_2\_recoded)

## NATFARE\_2\_recoded  
## 0 1 2 3 4   
## 891 8 1 4 4311

variablename <- data$WRKGOVT\_2 ; WRKGOVT\_2\_recoded <- missing\_codes(variablename) ; table(WRKGOVT\_2\_recoded) ; data <- cbind(data,WRKGOVT\_2\_recoded)

## WRKGOVT\_2\_recoded  
## 0 1 2 3 4   
## 1743 24 1 19 3428

variablename <- data$TAX\_2 ; TAX\_2\_recoded <- missing\_codes(variablename) ; table(TAX\_2\_recoded) ; data <- cbind(data,TAX\_2\_recoded)

## TAX\_2\_recoded  
## 0 1 2 3 4   
## 1190 16 2 8 3999

variablename <- data$FEPRESCH\_2 ; FEPRESCH\_2\_recoded <- missing\_codes(variablename) ; table(FEPRESCH\_2\_recoded) ; data <- cbind(data,FEPRESCH\_2\_recoded)

## FEPRESCH\_2\_recoded  
## 0 1 2 4   
## 1173 6 1 4035

variablename <- data$FECHLD\_2 ; FECHLD\_2\_recoded <- missing\_codes(variablename) ; table(FECHLD\_2\_recoded) ; data <- cbind(data,FECHLD\_2\_recoded)

## FECHLD\_2\_recoded  
## 0 1 4   
## 1179 1 4035

variablename <- data$JOBFIND\_2 ; JOBFIND\_2\_recoded <- missing\_codes(variablename) ; table(JOBFIND\_2\_recoded) ; data <- cbind(data,JOBFIND\_2\_recoded)

## JOBFIND\_2\_recoded  
## 0 1 2 3 4   
## 629 2 9 2 4573

variablename <- data$EMAILHR\_2 ; EMAILHR\_2\_recoded <- missing\_codes(variablename) ; table(EMAILHR\_2\_recoded) ; data <- cbind(data,EMAILHR\_2\_recoded)

## EMAILHR\_2\_recoded  
## 0 1 2 3 4   
## 1001 4 9 94 4107

variablename <- data$EMAILMIN\_2 ; EMAILMIN\_2\_recoded <- missing\_codes(variablename) ; table(EMAILMIN\_2\_recoded) ; data <- cbind(data,EMAILMIN\_2\_recoded)

## EMAILMIN\_2\_recoded  
## 0 1 2 3 4   
## 552 4 9 543 4107

variablename <- data$LOCALNUM\_2 ; LOCALNUM\_2\_recoded <- missing\_codes(variablename) ; table(LOCALNUM\_2\_recoded) ; data <- cbind(data,LOCALNUM\_2\_recoded)

## LOCALNUM\_2\_recoded  
## 0 1 2 3 4   
## 927 50 17 4 4217

variablename <- data$PRAY\_2 ; PRAY\_2\_recoded <- missing\_codes(variablename) ; table(PRAY\_2\_recoded) ; data <- cbind(data,PRAY\_2\_recoded)

## PRAY\_2\_recoded  
## 0 1 2 3 4   
## 1806 1 10 6 3392

variablename <- data$HUNT\_2 ; HUNT\_2\_recoded <- missing\_codes(variablename) ; table(HUNT\_2\_recoded) ; data <- cbind(data,HUNT\_2\_recoded)

## HUNT\_2\_recoded  
## 0 4   
## 1218 3997

variablename <- data$LIBMSLM\_2 ; LIBMSLM\_2\_recoded <- missing\_codes(variablename) ; table(LIBMSLM\_2\_recoded) ; data <- cbind(data,LIBMSLM\_2\_recoded)

## LIBMSLM\_2\_recoded  
## 0 1 2 3 4   
## 594 5 1 6 4609

variablename <- data$RACWORK\_2 ; RACWORK\_2\_recoded <- missing\_codes(variablename) ; table(RACWORK\_2\_recoded) ; data <- cbind(data,RACWORK\_2\_recoded)

## RACWORK\_2\_recoded  
## 0 1 2 3 4   
## 621 20 14 7 4553

variablename <- data$RACLIVE\_2 ; RACLIVE\_2\_recoded <- missing\_codes(variablename) ; table(RACLIVE\_2\_recoded) ; data <- cbind(data,RACLIVE\_2\_recoded)

## RACLIVE\_2\_recoded  
## 0 1 2 3 4   
## 1686 130 2 4 3393

variablename <- data$MARITAL\_2 ; MARITAL\_2\_recoded <- missing\_codes(variablename) ; table(MARITAL\_2\_recoded) ; data <- cbind(data,MARITAL\_2\_recoded)

## MARITAL\_2\_recoded  
## 0 1 2 3 4   
## 1818 2 1 2 3392

variablename <- data$FEHIRE\_2 ; FEHIRE\_2\_recoded <- missing\_codes(variablename) ; table(FEHIRE\_2\_recoded) ; data <- cbind(data,FEHIRE\_2\_recoded)

## FEHIRE\_2\_recoded  
## 0 1 3 4   
## 579 1 1 4634

variablename <- data$OTHLANG\_2 ; OTHLANG\_2\_recoded <- missing\_codes(variablename) ; table(OTHLANG\_2\_recoded) ; data <- cbind(data,OTHLANG\_2\_recoded)

## OTHLANG\_2\_recoded  
## 0 2 3 4   
## 1809 11 3 3392

variablename <- data$LIBCOM\_2 ; LIBCOM\_2\_recoded <- missing\_codes(variablename) ; table(LIBCOM\_2\_recoded) ; data <- cbind(data,LIBCOM\_2\_recoded)

## LIBCOM\_2\_recoded  
## 0 1 2 3 4   
## 592 6 2 6 4609

variablename <- data$FINRELA\_2 ; FINRELA\_2\_recoded <- missing\_codes(variablename) ; table(FINRELA\_2\_recoded) ; data <- cbind(data,FINRELA\_2\_recoded)

## FINRELA\_2\_recoded  
## 0 1 2 3 4   
## 1813 4 2 4 3392

variablename <- data$SPKMIL\_2 ; SPKMIL\_2\_recoded <- missing\_codes(variablename) ; table(SPKMIL\_2\_recoded) ; data <- cbind(data,SPKMIL\_2\_recoded)

## SPKMIL\_2\_recoded  
## 0 1 2 3 4   
## 595 5 1 5 4609

variablename <- data$DWELOWN\_2 ; DWELOWN\_2\_recoded <- missing\_codes(variablename) ; table(DWELOWN\_2\_recoded) ; data <- cbind(data,DWELOWN\_2\_recoded)

## DWELOWN\_2\_recoded  
## 0 2 3 4   
## 1169 2 4 4040

variablename <- data$EVWORK\_2 ; EVWORK\_2\_recoded <- missing\_codes(variablename) ; table(EVWORK\_2\_recoded) ; data <- cbind(data,EVWORK\_2\_recoded)

## EVWORK\_2\_recoded  
## 0 3 4   
## 705 2 4508

variablename <- data$PRES16\_2 ; PRES16\_2\_recoded <- missing\_codes(variablename) ; table(PRES16\_2\_recoded) ; data <- cbind(data,PRES16\_2\_recoded)

## PRES16\_2\_recoded  
## 0 1 2 3 4   
## 1259 43 77 12 3824

variablename <- data$SPEVWORK\_2 ; SPEVWORK\_2\_recoded <- missing\_codes(variablename) ; table(SPEVWORK\_2\_recoded) ; data <- cbind(data,SPEVWORK\_2\_recoded)

## SPEVWORK\_2\_recoded  
## 0 2 3 4   
## 323 2 3 4887

variablename <- data$ROWNGUN\_2 ; ROWNGUN\_2\_recoded <- missing\_codes(variablename) ; table(ROWNGUN\_2\_recoded) ; data <- cbind(data,ROWNGUN\_2\_recoded)

## ROWNGUN\_2\_recoded  
## 0 3 4   
## 467 2 4746

variablename <- data$WRKWAYUP\_2 ; WRKWAYUP\_2\_recoded <- missing\_codes(variablename) ; table(WRKWAYUP\_2\_recoded) ; data <- cbind(data,WRKWAYUP\_2\_recoded)

## WRKWAYUP\_2\_recoded  
## 0 1 2 3 4   
## 1168 8 1 1 4037

variablename <- data$SEXNOW\_2 ; SEXNOW\_2\_recoded <- missing\_codes(variablename) ; table(SEXNOW\_2\_recoded) ; data <- cbind(data,SEXNOW\_2\_recoded)

## SEXNOW\_2\_recoded  
## 0 4   
## 1823 3392

variablename <- data$USWARY\_2 ; USWARY\_2\_recoded <- missing\_codes(variablename) ; table(USWARY\_2\_recoded) ; data <- cbind(data,USWARY\_2\_recoded)

## USWARY\_2\_recoded  
## 0 1 2 3 4   
## 549 23 1 2 4640

variablename <- data$CAPPUN\_2 ; CAPPUN\_2\_recoded <- missing\_codes(variablename) ; table(CAPPUN\_2\_recoded) ; data <- cbind(data,CAPPUN\_2\_recoded)

## CAPPUN\_2\_recoded  
## 0 1 2 3 4   
## 1761 40 10 12 3392

variablename <- data$OWNGUN\_2 ; OWNGUN\_2\_recoded <- missing\_codes(variablename) ; table(OWNGUN\_2\_recoded) ; data <- cbind(data,OWNGUN\_2\_recoded)

## OWNGUN\_2\_recoded  
## 0 3 4   
## 1195 23 3997

variablename <- data$WEBMOB\_2 ; WEBMOB\_2\_recoded <- missing\_codes(variablename) ; table(WEBMOB\_2\_recoded) ; data <- cbind(data,WEBMOB\_2\_recoded)

## WEBMOB\_2\_recoded  
## 0 2 4   
## 172 9 5034

variablename <- data$COMPUSE\_2 ; COMPUSE\_2\_recoded <- missing\_codes(variablename) ; table(COMPUSE\_2\_recoded) ; data <- cbind(data,COMPUSE\_2\_recoded)

## COMPUSE\_2\_recoded  
## 0 2 3 4   
## 1168 9 3 4035

variablename <- data$SPANKING\_2 ; SPANKING\_2\_recoded <- missing\_codes(variablename) ; table(SPANKING\_2\_recoded) ; data <- cbind(data,SPANKING\_2\_recoded)

## SPANKING\_2\_recoded  
## 0 1 3 4   
## 1164 7 8 4036

variablename <- data$PILLOK\_2 ; PILLOK\_2\_recoded <- missing\_codes(variablename) ; table(PILLOK\_2\_recoded) ; data <- cbind(data,PILLOK\_2\_recoded)

## PILLOK\_2\_recoded  
## 0 1 3 4   
## 1163 9 7 4036

variablename <- data$SUICIDE1\_2 ; SUICIDE1\_2\_recoded <- missing\_codes(variablename) ; table(SUICIDE1\_2\_recoded) ; data <- cbind(data,SUICIDE1\_2\_recoded)

## SUICIDE1\_2\_recoded  
## 0 1 2 3 4   
## 1157 13 2 8 4035

variablename <- data$SUICIDE3\_2 ; SUICIDE3\_2\_recoded <- missing\_codes(variablename) ; table(SUICIDE3\_2\_recoded) ; data <- cbind(data,SUICIDE3\_2\_recoded)

## SUICIDE3\_2\_recoded  
## 0 1 2 3 4   
## 1168 5 1 6 4035

variablename <- data$SUICIDE2\_2 ; SUICIDE2\_2\_recoded <- missing\_codes(variablename) ; table(SUICIDE2\_2\_recoded) ; data <- cbind(data,SUICIDE2\_2\_recoded)

## SUICIDE2\_2\_recoded  
## 0 1 3 4   
## 1168 8 4 4035

variablename <- data$SUICIDE4\_2 ; SUICIDE4\_2\_recoded <- missing\_codes(variablename) ; table(SUICIDE4\_2\_recoded) ; data <- cbind(data,SUICIDE4\_2\_recoded)

## SUICIDE4\_2\_recoded  
## 0 1 2 3 4   
## 1162 6 3 9 4035

variablename <- data$ABRAPE\_2 ; ABRAPE\_2\_recoded <- missing\_codes(variablename) ; table(ABRAPE\_2\_recoded) ; data <- cbind(data,ABRAPE\_2\_recoded)

## ABRAPE\_2\_recoded  
## 0 1 2 3 4   
## 1188 16 7 7 3997

variablename <- data$ABNOMORE\_2 ; ABNOMORE\_2\_recoded <- missing\_codes(variablename) ; table(ABNOMORE\_2\_recoded) ; data <- cbind(data,ABNOMORE\_2\_recoded)

## ABNOMORE\_2\_recoded  
## 0 1 2 3 4   
## 1185 17 6 10 3997

variablename <- data$ABSINGLE\_2 ; ABSINGLE\_2\_recoded <- missing\_codes(variablename) ; table(ABSINGLE\_2\_recoded) ; data <- cbind(data,ABSINGLE\_2\_recoded)

## ABSINGLE\_2\_recoded  
## 0 1 2 3 4   
## 1182 20 6 10 3997

variablename <- data$ABPOOR\_2 ; ABPOOR\_2\_recoded <- missing\_codes(variablename) ; table(ABPOOR\_2\_recoded) ; data <- cbind(data,ABPOOR\_2\_recoded)

## ABPOOR\_2\_recoded  
## 0 1 2 3 4   
## 1180 17 7 14 3997

variablename <- data$ABANY\_2 ; ABANY\_2\_recoded <- missing\_codes(variablename) ; table(ABANY\_2\_recoded) ; data <- cbind(data,ABANY\_2\_recoded)

## ABANY\_2\_recoded  
## 0 1 2 3 4   
## 1186 20 5 7 3997

variablename <- data$ABHLTH\_2 ; ABHLTH\_2\_recoded <- missing\_codes(variablename) ; table(ABHLTH\_2\_recoded) ; data <- cbind(data,ABHLTH\_2\_recoded)

## ABHLTH\_2\_recoded  
## 0 1 2 3 4   
## 1175 25 8 10 3997

variablename <- data$ABDEFECT\_2 ; ABDEFECT\_2\_recoded <- missing\_codes(variablename) ; table(ABDEFECT\_2\_recoded) ; data <- cbind(data,ABDEFECT\_2\_recoded)

## ABDEFECT\_2\_recoded  
## 0 1 2 3 4   
## 1178 23 7 10 3997

variablename <- data$LETIN1A\_2 ; LETIN1A\_2\_recoded <- missing\_codes(variablename) ; table(LETIN1A\_2\_recoded) ; data <- cbind(data,LETIN1A\_2\_recoded)

## LETIN1A\_2\_recoded  
## 0 1 2 3 4   
## 1151 13 2 12 4037

variablename <- data$RACDIF3\_2 ; RACDIF3\_2\_recoded <- missing\_codes(variablename) ; table(RACDIF3\_2\_recoded) ; data <- cbind(data,RACDIF3\_2\_recoded)

## RACDIF3\_2\_recoded  
## 0 1 2 3 4   
## 1154 17 1 6 4037

variablename <- data$RACDIF2\_2 ; RACDIF2\_2\_recoded <- missing\_codes(variablename) ; table(RACDIF2\_2\_recoded) ; data <- cbind(data,RACDIF2\_2\_recoded)

## RACDIF2\_2\_recoded  
## 0 1 3 4   
## 1165 6 7 4037

variablename <- data$RACDIF4\_2 ; RACDIF4\_2\_recoded <- missing\_codes(variablename) ; table(RACDIF4\_2\_recoded) ; data <- cbind(data,RACDIF4\_2\_recoded)

## RACDIF4\_2\_recoded  
## 0 1 2 3 4   
## 1152 16 2 8 4037

variablename <- data$RACDIF1\_2 ; RACDIF1\_2\_recoded <- missing\_codes(variablename) ; table(RACDIF1\_2\_recoded) ; data <- cbind(data,RACDIF1\_2\_recoded)

## RACDIF1\_2\_recoded  
## 0 1 2 3 4   
## 1151 17 1 10 4036

#variablename <- data$SPJew\_2 ; SPJew\_2\_recoded <- missing\_codes(variablename) ; table(SPJew\_2\_recoded) ; data <- cbind(data,SPJew\_2\_recoded)   
  
variablename <- data$FINALTER\_2 ; FINALTER\_2\_recoded <- missing\_codes(variablename) ; table(FINALTER\_2\_recoded) ; data <- cbind(data,FINALTER\_2\_recoded)

## FINALTER\_2\_recoded  
## 0 2 3 4   
## 1820 1 2 3392

variablename <- data$EARNRS\_2 ; EARNRS\_2\_recoded <- missing\_codes(variablename) ; table(EARNRS\_2\_recoded) ; data <- cbind(data,EARNRS\_2\_recoded)

## EARNRS\_2\_recoded  
## 0 1 4   
## 1805 18 3392

variablename <- data$MEOVRWRK\_2 ; MEOVRWRK\_2\_recoded <- missing\_codes(variablename) ; table(MEOVRWRK\_2\_recoded) ; data <- cbind(data,MEOVRWRK\_2\_recoded)

## MEOVRWRK\_2\_recoded  
## 0 1 2 3 4   
## 1176 2 1 1 4035

variablename <- data$WRKSLFFAM\_2 ; WRKSLFFAM\_2\_recoded <- missing\_codes(variablename) ; table(WRKSLFFAM\_2\_recoded) ; data <- cbind(data,WRKSLFFAM\_2\_recoded)

## WRKSLFFAM\_2\_recoded  
## 0 4   
## 1823 3392

variablename <- data$NATAID\_2 ; NATAID\_2\_recoded <- missing\_codes(variablename) ; table(NATAID\_2\_recoded) ; data <- cbind(data,NATAID\_2\_recoded)

## NATAID\_2\_recoded  
## 0 1 2 3 4   
## 875 20 1 8 4311

variablename <- data$DIVORCE\_2 ; DIVORCE\_2\_recoded <- missing\_codes(variablename) ; table(DIVORCE\_2\_recoded) ; data <- cbind(data,DIVORCE\_2\_recoded)

## DIVORCE\_2\_recoded  
## 0 2 3 4   
## 1021 1 2 4191

variablename <- data$WIDOWED\_2 ; WIDOWED\_2\_recoded <- missing\_codes(variablename) ; table(WIDOWED\_2\_recoded) ; data <- cbind(data,WIDOWED\_2\_recoded)

## WIDOWED\_2\_recoded  
## 0 2 3 4   
## 1229 1 3 3982

variablename <- data$SAVESOUL\_2 ; SAVESOUL\_2\_recoded <- missing\_codes(variablename) ; table(SAVESOUL\_2\_recoded) ; data <- cbind(data,SAVESOUL\_2\_recoded)

## SAVESOUL\_2\_recoded  
## 0 1 2 3 4   
## 1802 2 9 10 3392

variablename <- data$LIBHOMO\_2 ; LIBHOMO\_2\_recoded <- missing\_codes(variablename) ; table(LIBHOMO\_2\_recoded) ; data <- cbind(data,LIBHOMO\_2\_recoded)

## LIBHOMO\_2\_recoded  
## 0 1 2 3 4   
## 598 2 3 3 4609

variablename <- data$MARHOMO\_2 ; MARHOMO\_2\_recoded <- missing\_codes(variablename) ; table(MARHOMO\_2\_recoded) ; data <- cbind(data,MARHOMO\_2\_recoded)

## MARHOMO\_2\_recoded  
## 0 1 2 3 4   
## 1201 6 3 6 3999

variablename <- data$CHILDS\_2 ; CHILDS\_2\_recoded <- missing\_codes(variablename) ; table(CHILDS\_2\_recoded) ; data <- cbind(data,CHILDS\_2\_recoded)

## CHILDS\_2\_recoded  
## 0 1 3 4   
## 1813 4 4 3394

variablename <- data$HRS2\_2 ; HRS2\_2\_recoded <- missing\_codes(variablename) ; table(HRS2\_2\_recoded) ; data <- cbind(data,HRS2\_2\_recoded)

## HRS2\_2\_recoded  
## 0 2 3 4   
## 32 8 2 5173

variablename <- data$HRS1\_2 ; HRS1\_2\_recoded <- missing\_codes(variablename) ; table(HRS1\_2\_recoded) ; data <- cbind(data,HRS1\_2\_recoded)

## HRS1\_2\_recoded  
## 0 1 2 3 4   
## 945 1 9 3 4257

variablename <- data$YOUSUP\_2 ; YOUSUP\_2\_recoded <- missing\_codes(variablename) ; table(YOUSUP\_2\_recoded) ; data <- cbind(data,YOUSUP\_2\_recoded)

## YOUSUP\_2\_recoded  
## 0 1 4   
## 325 2 4888

variablename <- data$ATTEND\_2 ; ATTEND\_2\_recoded <- missing\_codes(variablename) ; table(ATTEND\_2\_recoded) ; data <- cbind(data,ATTEND\_2\_recoded)

## ATTEND\_2\_recoded  
## 0 2 3 4   
## 1713 95 8 3399

variablename <- data$SOCBAR\_2 ; SOCBAR\_2\_recoded <- missing\_codes(variablename) ; table(SOCBAR\_2\_recoded) ; data <- cbind(data,SOCBAR\_2\_recoded)

## SOCBAR\_2\_recoded  
## 0 3 4   
## 1178 1 4036

variablename <- data$NEWS\_2 ; NEWS\_2\_recoded <- missing\_codes(variablename) ; table(NEWS\_2\_recoded) ; data <- cbind(data,NEWS\_2\_recoded)

## NEWS\_2\_recoded  
## 0 4   
## 1179 4036

variablename <- data$SOCFREND\_2 ; SOCFREND\_2\_recoded <- missing\_codes(variablename) ; table(SOCFREND\_2\_recoded) ; data <- cbind(data,SOCFREND\_2\_recoded)

## SOCFREND\_2\_recoded  
## 0 1 3 4   
## 1175 2 2 4036

variablename <- data$SOCREL\_2 ; SOCREL\_2\_recoded <- missing\_codes(variablename) ; table(SOCREL\_2\_recoded) ; data <- cbind(data,SOCREL\_2\_recoded)

## SOCREL\_2\_recoded  
## 0 1 4   
## 1175 4 4036

variablename <- data$SOCOMMUN\_2 ; SOCOMMUN\_2\_recoded <- missing\_codes(variablename) ; table(SOCOMMUN\_2\_recoded) ; data <- cbind(data,SOCOMMUN\_2\_recoded)

## SOCOMMUN\_2\_recoded  
## 0 1 2 4   
## 1176 2 1 4036

variablename <- data$RELACTIV\_2 ; RELACTIV\_2\_recoded <- missing\_codes(variablename) ; table(RELACTIV\_2\_recoded) ; data <- cbind(data,RELACTIV\_2\_recoded)

## RELACTIV\_2\_recoded  
## 0 1 2 3 4   
## 1798 5 9 11 3392

variablename <- data$LONELY1\_2 ; LONELY1\_2\_recoded <- missing\_codes(variablename) ; table(LONELY1\_2\_recoded) ; data <- cbind(data,LONELY1\_2\_recoded)

## LONELY1\_2\_recoded  
## 0 1 2 3 4   
## 1775 1 3 5 3431

variablename <- data$AGE\_2 ; AGE\_2\_recoded <- missing\_codes(variablename) ; table(AGE\_2\_recoded) ; data <- cbind(data,AGE\_2\_recoded)

## AGE\_2\_recoded  
## 0 4   
## 1823 3392

variablename <- data$SPKLANG\_2 ; SPKLANG\_2\_recoded <- missing\_codes(variablename) ; table(SPKLANG\_2\_recoded) ; data <- cbind(data,SPKLANG\_2\_recoded)

## SPKLANG\_2\_recoded  
## 0 2 4   
## 432 26 4757

variablename <- data$LIBATH\_2 ; LIBATH\_2\_recoded <- missing\_codes(variablename) ; table(LIBATH\_2\_recoded) ; data <- cbind(data,LIBATH\_2\_recoded)

## LIBATH\_2\_recoded  
## 0 1 3 4   
## 602 3 1 4609

variablename <- data$CLASS\_2 ; CLASS\_2\_recoded <- missing\_codes(variablename) ; table(CLASS\_2\_recoded) ; data <- cbind(data,CLASS\_2\_recoded)

## CLASS\_2\_recoded  
## 0 1 2 3 4   
## 1819 2 1 1 3392

variablename <- data$RICHWORK\_2 ; RICHWORK\_2\_recoded <- missing\_codes(variablename) ; table(RICHWORK\_2\_recoded) ; data <- cbind(data,RICHWORK\_2\_recoded)

## RICHWORK\_2\_recoded  
## 0 2 3 4   
## 715 19 5 4476

variablename <- data$VOTE16\_2 ; VOTE16\_2\_recoded <- missing\_codes(variablename) ; table(VOTE16\_2\_recoded) ; data <- cbind(data,VOTE16\_2\_recoded)

## VOTE16\_2\_recoded  
## 0 2 3 4   
## 1710 109 4 3392

variablename <- data$LIFE\_2 ; LIFE\_2\_recoded <- missing\_codes(variablename) ; table(LIFE\_2\_recoded) ; data <- cbind(data,LIFE\_2\_recoded)

## LIFE\_2\_recoded  
## 0 1 3 4   
## 1215 1 1 3998

variablename <- data$COURTS\_2 ; COURTS\_2\_recoded <- missing\_codes(variablename) ; table(COURTS\_2\_recoded) ; data <- cbind(data,COURTS\_2\_recoded)

## COURTS\_2\_recoded  
## 0 1 2 3 4   
## 1707 66 3 47 3392

variablename <- data$COOP\_2 ; COOP\_2\_recoded <- missing\_codes(variablename) ; table(COOP\_2\_recoded) ; data <- cbind(data,COOP\_2\_recoded)

## COOP\_2\_recoded  
## 0 4   
## 1823 3392

variablename <- data$RANK\_2 ; RANK\_2\_recoded <- missing\_codes(variablename) ; table(RANK\_2\_recoded) ; data <- cbind(data,RANK\_2\_recoded)

## RANK\_2\_recoded  
## 0 1 2 3 4   
## 1763 18 6 28 3400

variablename <- data$RINCOM16\_2 ; RINCOM16\_2\_recoded <- missing\_codes(variablename) ; table(RINCOM16\_2\_recoded) ; data <- cbind(data,RINCOM16\_2\_recoded)

## RINCOM16\_2\_recoded  
## 0 1 3 4   
## 1098 70 16 4031

variablename <- data$SPWKSUP\_2 ; SPWKSUP\_2\_recoded <- missing\_codes(variablename) ; table(SPWKSUP\_2\_recoded) ; data <- cbind(data,SPWKSUP\_2\_recoded)

## SPWKSUP\_2\_recoded  
## 0 4   
## 1823 3392

variablename <- data$DISRSPCT\_2 ; DISRSPCT\_2\_recoded <- missing\_codes(variablename) ; table(DISRSPCT\_2\_recoded) ; data <- cbind(data,DISRSPCT\_2\_recoded)

## DISRSPCT\_2\_recoded  
## 0 1 2 3 4   
## 1196 1 3 5 4010

variablename <- data$RESPECT\_2 ; RESPECT\_2\_recoded <- missing\_codes(variablename) ; table(RESPECT\_2\_recoded) ; data <- cbind(data,RESPECT\_2\_recoded)

## RESPECT\_2\_recoded  
## 0 4   
## 1823 3392

variablename <- data$PISTOL\_2 ; PISTOL\_2\_recoded <- missing\_codes(variablename) ; table(PISTOL\_2\_recoded) ; data <- cbind(data,PISTOL\_2\_recoded)

## PISTOL\_2\_recoded  
## 0 1 2 4   
## 1198 18 2 3997

variablename <- data$RIFLE\_2 ; RIFLE\_2\_recoded <- missing\_codes(variablename) ; table(RIFLE\_2\_recoded) ; data <- cbind(data,RIFLE\_2\_recoded)

## RIFLE\_2\_recoded  
## 0 1 2 4   
## 1198 18 2 3997

variablename <- data$SHOTGUN\_2 ; SHOTGUN\_2\_recoded <- missing\_codes(variablename) ; table(SHOTGUN\_2\_recoded) ; data <- cbind(data,SHOTGUN\_2\_recoded)

## SHOTGUN\_2\_recoded  
## 0 1 2 4   
## 1198 18 2 3997

variablename <- data$FEAR\_2 ; FEAR\_2\_recoded <- missing\_codes(variablename) ; table(FEAR\_2\_recoded) ; data <- cbind(data,FEAR\_2\_recoded)

## FEAR\_2\_recoded  
## 0 1 3 4   
## 1213 2 3 3997

variablename <- data$FEFAM\_2 ; FEFAM\_2\_recoded <- missing\_codes(variablename) ; table(FEFAM\_2\_recoded) ; data <- cbind(data,FEFAM\_2\_recoded)

## FEFAM\_2\_recoded  
## 0 1 3 4   
## 1177 2 1 4035

variablename <- data$WRKSTAT\_2 ; WRKSTAT\_2\_recoded <- missing\_codes(variablename) ; table(WRKSTAT\_2\_recoded) ; data <- cbind(data,WRKSTAT\_2\_recoded)

## WRKSTAT\_2\_recoded  
## 0 3 4   
## 1821 2 3392

variablename <- data$LIBMIL\_2 ; LIBMIL\_2\_recoded <- missing\_codes(variablename) ; table(LIBMIL\_2\_recoded) ; data <- cbind(data,LIBMIL\_2\_recoded)

## LIBMIL\_2\_recoded  
## 0 1 2 3 4   
## 596 2 1 7 4609

variablename <- data$FEPOL\_2 ; FEPOL\_2\_recoded <- missing\_codes(variablename) ; table(FEPOL\_2\_recoded) ; data <- cbind(data,FEPOL\_2\_recoded)

## FEPOL\_2\_recoded  
## 0 1 3 4   
## 1160 16 4 4035

variablename <- data$SPKMSLM\_2 ; SPKMSLM\_2\_recoded <- missing\_codes(variablename) ; table(SPKMSLM\_2\_recoded) ; data <- cbind(data,SPKMSLM\_2\_recoded)

## SPKMSLM\_2\_recoded  
## 0 1 2 3 4   
## 597 3 2 4 4609

variablename <- data$POSTLIFE\_2 ; POSTLIFE\_2\_recoded <- missing\_codes(variablename) ; table(POSTLIFE\_2\_recoded) ; data <- cbind(data,POSTLIFE\_2\_recoded)

## POSTLIFE\_2\_recoded  
## 0 1 2 3 4   
## 1740 57 3 16 3399

variablename <- data$LIVEBLKS\_2 ; LIVEBLKS\_2\_recoded <- missing\_codes(variablename) ; table(LIVEBLKS\_2\_recoded) ; data <- cbind(data,LIVEBLKS\_2\_recoded)

## LIVEBLKS\_2\_recoded  
## 0 1 2 3 4   
## 1164 6 1 7 4037

variablename <- data$USCITZN\_2 ; USCITZN\_2\_recoded <- missing\_codes(variablename) ; table(USCITZN\_2\_recoded) ; data <- cbind(data,USCITZN\_2\_recoded)

## USCITZN\_2\_recoded  
## 0 3 4   
## 1810 4 3401

variablename <- data$SPKCOM\_2 ; SPKCOM\_2\_recoded <- missing\_codes(variablename) ; table(SPKCOM\_2\_recoded) ; data <- cbind(data,SPKCOM\_2\_recoded)

## SPKCOM\_2\_recoded  
## 0 1 2 3 4   
## 597 3 2 4 4609

variablename <- data$SATJOB\_2 ; SATJOB\_2\_recoded <- missing\_codes(variablename) ; table(SATJOB\_2\_recoded) ; data <- cbind(data,SATJOB\_2\_recoded)

## SATJOB\_2\_recoded  
## 0 1 2 3 4   
## 1219 6 28 8 3954

variablename <- data$SPKRAC\_2 ; SPKRAC\_2\_recoded <- missing\_codes(variablename) ; table(SPKRAC\_2\_recoded) ; data <- cbind(data,SPKRAC\_2\_recoded)

## SPKRAC\_2\_recoded  
## 0 1 2 3 4   
## 595 4 2 5 4609

variablename <- data$USEWWW\_2 ; USEWWW\_2\_recoded <- missing\_codes(variablename) ; table(USEWWW\_2\_recoded) ; data <- cbind(data,USEWWW\_2\_recoded)

## USEWWW\_2\_recoded  
## 0 4   
## 108 5107

variablename <- data$LIBRAC\_2 ; LIBRAC\_2\_recoded <- missing\_codes(variablename) ; table(LIBRAC\_2\_recoded) ; data <- cbind(data,LIBRAC\_2\_recoded)

## LIBRAC\_2\_recoded  
## 0 1 2 3 4   
## 595 3 2 6 4609

variablename <- data$DIVLAW\_2 ; DIVLAW\_2\_recoded <- missing\_codes(variablename) ; table(DIVLAW\_2\_recoded) ; data <- cbind(data,DIVLAW\_2\_recoded)

## DIVLAW\_2\_recoded  
## 0 1 2 3 4   
## 1119 33 4 24 4035

variablename <- data$COLMSLM\_2 ; COLMSLM\_2\_recoded <- missing\_codes(variablename) ; table(COLMSLM\_2\_recoded) ; data <- cbind(data,COLMSLM\_2\_recoded)

## COLMSLM\_2\_recoded  
## 0 1 2 3 4   
## 1201 8 1 8 3997

variablename <- data$COLHOMO\_2 ; COLHOMO\_2\_recoded <- missing\_codes(variablename) ; table(COLHOMO\_2\_recoded) ; data <- cbind(data,COLHOMO\_2\_recoded)

## COLHOMO\_2\_recoded  
## 0 1 2 3 4   
## 1198 7 5 8 3997

variablename <- data$COLMIL\_2 ; COLMIL\_2\_recoded <- missing\_codes(variablename) ; table(COLMIL\_2\_recoded) ; data <- cbind(data,COLMIL\_2\_recoded)

## COLMIL\_2\_recoded  
## 0 1 2 3 4   
## 1194 12 2 10 3997

variablename <- data$COLATH\_2 ; COLATH\_2\_recoded <- missing\_codes(variablename) ; table(COLATH\_2\_recoded) ; data <- cbind(data,COLATH\_2\_recoded)

## COLATH\_2\_recoded  
## 0 1 2 3 4   
## 1192 16 1 9 3997

variablename <- data$GETAHEAD\_2 ; GETAHEAD\_2\_recoded <- missing\_codes(variablename) ; table(GETAHEAD\_2\_recoded) ; data <- cbind(data,GETAHEAD\_2\_recoded)

## GETAHEAD\_2\_recoded  
## 0 1 2 3 4   
## 1209 3 1 4 3998

variablename <- data$RACOPEN\_2 ; RACOPEN\_2\_recoded <- missing\_codes(variablename) ; table(RACOPEN\_2\_recoded) ; data <- cbind(data,RACOPEN\_2\_recoded)

## RACOPEN\_2\_recoded  
## 0 1 2 3 4   
## 601 1 2 2 4609

variablename <- data$HAPPY\_2 ; HAPPY\_2\_recoded <- missing\_codes(variablename) ; table(HAPPY\_2\_recoded) ; data <- cbind(data,HAPPY\_2\_recoded)

## HAPPY\_2\_recoded  
## 0 1 3 4   
## 1817 3 2 3393

variablename <- data$HAPMAR\_2 ; HAPMAR\_2\_recoded <- missing\_codes(variablename) ; table(HAPMAR\_2\_recoded) ; data <- cbind(data,HAPMAR\_2\_recoded)

## HAPMAR\_2\_recoded  
## 0 2 3 4   
## 869 3 1 4342

variablename <- data$HAPCOHAB\_2 ; HAPCOHAB\_2\_recoded <- missing\_codes(variablename) ; table(HAPCOHAB\_2\_recoded) ; data <- cbind(data,HAPCOHAB\_2\_recoded)

## HAPCOHAB\_2\_recoded  
## 0 1 2 3 4   
## 149 1 1 1 5063

variablename <- data$PRAYER\_2 ; PRAYER\_2\_recoded <- missing\_codes(variablename) ; table(PRAYER\_2\_recoded) ; data <- cbind(data,PRAYER\_2\_recoded)

## PRAYER\_2\_recoded  
## 0 1 3 4   
## 1168 7 5 4035

variablename <- data$SPKATH\_2 ; SPKATH\_2\_recoded <- missing\_codes(variablename) ; table(SPKATH\_2\_recoded) ; data <- cbind(data,SPKATH\_2\_recoded)

## SPKATH\_2\_recoded  
## 0 1 3 4   
## 601 3 2 4609

variablename <- data$PREMARSX\_2 ; PREMARSX\_2\_recoded <- missing\_codes(variablename) ; table(PREMARSX\_2\_recoded) ; data <- cbind(data,PREMARSX\_2\_recoded)

## PREMARSX\_2\_recoded  
## 0 1 2 3 4   
## 1170 6 1 2 4036

variablename <- data$JOBLOSE\_2 ; JOBLOSE\_2\_recoded <- missing\_codes(variablename) ; table(JOBLOSE\_2\_recoded) ; data <- cbind(data,JOBLOSE\_2\_recoded)

## JOBLOSE\_2\_recoded  
## 0 1 2 3 4   
## 630 1 9 2 4573

variablename <- data$INCOM16\_2 ; INCOM16\_2\_recoded <- missing\_codes(variablename) ; table(INCOM16\_2\_recoded) ; data <- cbind(data,INCOM16\_2\_recoded)

## INCOM16\_2\_recoded  
## 0 4   
## 1823 3392

variablename <- data$RELPERSN\_2 ; RELPERSN\_2\_recoded <- missing\_codes(variablename) ; table(RELPERSN\_2\_recoded) ; data <- cbind(data,RELPERSN\_2\_recoded)

## RELPERSN\_2\_recoded  
## 0 1 2 3 4   
## 1806 10 1 6 3392

variablename <- data$SPRTPRSN\_2 ; SPRTPRSN\_2\_recoded <- missing\_codes(variablename) ; table(SPRTPRSN\_2\_recoded) ; data <- cbind(data,SPRTPRSN\_2\_recoded)

## SPRTPRSN\_2\_recoded  
## 0 1 2 3 4   
## 1800 8 6 9 3392

variablename <- data$POPESPKS\_2 ; POPESPKS\_2\_recoded <- missing\_codes(variablename) ; table(POPESPKS\_2\_recoded) ; data <- cbind(data,POPESPKS\_2\_recoded)

## POPESPKS\_2\_recoded  
## 0 1 2 3 4   
## 390 2 3 1 4819

variablename <- data$SEXBIRTH\_2 ; SEXBIRTH\_2\_recoded <- missing\_codes(variablename) ; table(SEXBIRTH\_2\_recoded) ; data <- cbind(data,SEXBIRTH\_2\_recoded)

## SEXBIRTH\_2\_recoded  
## 0 4   
## 1823 3392

variablename <- data$SATFIN\_2 ; SATFIN\_2\_recoded <- missing\_codes(variablename) ; table(SATFIN\_2\_recoded) ; data <- cbind(data,SATFIN\_2\_recoded)

## SATFIN\_2\_recoded  
## 0 1 2 3 4   
## 1819 1 1 2 3392

variablename <- data$POLVIEWS\_2 ; POLVIEWS\_2\_recoded <- missing\_codes(variablename) ; table(POLVIEWS\_2\_recoded) ; data <- cbind(data,POLVIEWS\_2\_recoded)

## POLVIEWS\_2\_recoded  
## 0 1 2 3 4   
## 1784 16 7 12 3396

variablename <- data$MARBLK\_2 ; MARBLK\_2\_recoded <- missing\_codes(variablename) ; table(MARBLK\_2\_recoded) ; data <- cbind(data,MARBLK\_2\_recoded)

## MARBLK\_2\_recoded  
## 0 1 3 4   
## 1170 3 5 4037

variablename <- data$MARHISP\_2 ; MARHISP\_2\_recoded <- missing\_codes(variablename) ; table(MARHISP\_2\_recoded) ; data <- cbind(data,MARHISP\_2\_recoded)

## MARHISP\_2\_recoded  
## 0 1 2 3 4   
## 1161 3 1 13 4037

variablename <- data$MARWHT\_2 ; MARWHT\_2\_recoded <- missing\_codes(variablename) ; table(MARWHT\_2\_recoded) ; data <- cbind(data,MARWHT\_2\_recoded)

## MARWHT\_2\_recoded  
## 0 1 3 4   
## 1168 6 4 4037

#variablename <- data$MARAsian\_2 ; MARAsian\_2\_recoded <- missing\_codes(variablename) ; table(MARAsian\_2\_recoded) ; data <- cbind(data,MARAsian\_2\_recoded)   
  
variablename <- data$HOMOSEX\_2 ; HOMOSEX\_2\_recoded <- missing\_codes(variablename) ; table(HOMOSEX\_2\_recoded) ; data <- cbind(data,HOMOSEX\_2\_recoded)

## HOMOSEX\_2\_recoded  
## 0 1 2 3 4   
## 1175 16 8 17 3999

variablename <- data$CHLDIDEL\_2 ; CHLDIDEL\_2\_recoded <- missing\_codes(variablename) ; table(CHLDIDEL\_2\_recoded) ; data <- cbind(data,CHLDIDEL\_2\_recoded)

## CHLDIDEL\_2\_recoded  
## 0 2 3 4   
## 1161 15 4 4035

variablename <- data$DISCAFFM\_2 ; DISCAFFM\_2\_recoded <- missing\_codes(variablename) ; table(DISCAFFM\_2\_recoded) ; data <- cbind(data,DISCAFFM\_2\_recoded)

## DISCAFFM\_2\_recoded  
## 0 1 2 3 4   
## 594 2 1 2 4616

variablename <- data$DISCAFF\_2 ; DISCAFF\_2\_recoded <- missing\_codes(variablename) ; table(DISCAFF\_2\_recoded) ; data <- cbind(data,DISCAFF\_2\_recoded)

## DISCAFF\_2\_recoded  
## 0 1 2 3 4   
## 1187 19 4 8 3997

variablename <- data$DISCAFFW\_2 ; DISCAFFW\_2\_recoded <- missing\_codes(variablename) ; table(DISCAFFW\_2\_recoded) ; data <- cbind(data,DISCAFFW\_2\_recoded)

## DISCAFFW\_2\_recoded  
## 0 1 3 4   
## 574 6 1 4634

variablename <- data$TEENSEX\_2 ; TEENSEX\_2\_recoded <- missing\_codes(variablename) ; table(TEENSEX\_2\_recoded) ; data <- cbind(data,TEENSEX\_2\_recoded)

## TEENSEX\_2\_recoded  
## 0 1 2 3 4   
## 1167 3 2 7 4036

variablename <- data$SEX\_2 ; SEX\_2\_recoded <- missing\_codes(variablename) ; table(SEX\_2\_recoded) ; data <- cbind(data,SEX\_2\_recoded)

## SEX\_2\_recoded  
## 0 2 4   
## 1813 10 3392

variablename <- data$XMARSEX\_2 ; XMARSEX\_2\_recoded <- missing\_codes(variablename) ; table(XMARSEX\_2\_recoded) ; data <- cbind(data,XMARSEX\_2\_recoded)

## XMARSEX\_2\_recoded  
## 0 1 2 3 4   
## 1204 6 1 5 3999

variablename <- data$RELIG\_2 ; RELIG\_2\_recoded <- missing\_codes(variablename) ; table(RELIG\_2\_recoded) ; data <- cbind(data,RELIG\_2\_recoded)

## RELIG\_2\_recoded  
## 0 4   
## 1823 3392

variablename <- data$DENOM\_2 ; DENOM\_2\_recoded <- missing\_codes(variablename) ; table(DENOM\_2\_recoded) ; data <- cbind(data,DENOM\_2\_recoded)

## DENOM\_2\_recoded  
## 0 4   
## 1823 3392

variablename <- data$SPDEN\_2 ; SPDEN\_2\_recoded <- missing\_codes(variablename) ; table(SPDEN\_2\_recoded) ; data <- cbind(data,SPDEN\_2\_recoded)

## SPDEN\_2\_recoded  
## 0 4   
## 1823 3392

variablename <- data$LETDIE1\_2 ; LETDIE1\_2\_recoded <- missing\_codes(variablename) ; table(LETDIE1\_2\_recoded) ; data <- cbind(data,LETDIE1\_2\_recoded)

## LETDIE1\_2\_recoded  
## 0 1 2 3 4   
## 590 5 2 2 4616

variablename <- data$INTLWHTS\_2 ; INTLWHTS\_2\_recoded <- missing\_codes(variablename) ; table(INTLWHTS\_2\_recoded) ; data <- cbind(data,INTLWHTS\_2\_recoded)

## INTLWHTS\_2\_recoded  
## 0 1 2 3 4   
## 1158 7 1 12 4037

variablename <- data$BETRLANG\_2 ; BETRLANG\_2\_recoded <- missing\_codes(variablename) ; table(BETRLANG\_2\_recoded) ; data <- cbind(data,BETRLANG\_2\_recoded)

## BETRLANG\_2\_recoded  
## 0 1 4   
## 432 1 4782

variablename <- data$BIBLE\_2 ; BIBLE\_2\_recoded <- missing\_codes(variablename) ; table(BIBLE\_2\_recoded) ; data <- cbind(data,BIBLE\_2\_recoded)

## BIBLE\_2\_recoded  
## 0 1 2 3 4   
## 1792 7 3 14 3399

variablename <- data$IF16WHO\_2 ; IF16WHO\_2\_recoded <- missing\_codes(variablename) ; table(IF16WHO\_2\_recoded) ; data <- cbind(data,IF16WHO\_2\_recoded)

## IF16WHO\_2\_recoded  
## 0 1 2 3 4   
## 392 4 66 3 4750

variablename <- data$SEXEDUC\_2 ; SEXEDUC\_2\_recoded <- missing\_codes(variablename) ; table(SEXEDUC\_2\_recoded) ; data <- cbind(data,SEXEDUC\_2\_recoded)

## SEXEDUC\_2\_recoded  
## 0 1 2 4   
## 1174 3 1 4037

variablename <- data$RELITEN\_2 ; RELITEN\_2\_recoded <- missing\_codes(variablename) ; table(RELITEN\_2\_recoded) ; data <- cbind(data,RELITEN\_2\_recoded)

## RELITEN\_2\_recoded  
## 0 4   
## 1823 3392

variablename <- data$GUNLAW\_2 ; GUNLAW\_2\_recoded <- missing\_codes(variablename) ; table(GUNLAW\_2\_recoded) ; data <- cbind(data,GUNLAW\_2\_recoded)

## GUNLAW\_2\_recoded  
## 0 1 2 3 4   
## 1201 10 1 6 3997

variablename <- data$REBORN\_2 ; REBORN\_2\_recoded <- missing\_codes(variablename) ; table(REBORN\_2\_recoded) ; data <- cbind(data,REBORN\_2\_recoded)

## REBORN\_2\_recoded  
## 0 1 2 3 4   
## 1777 15 15 16 3392

variablename <- data$HEALTH\_2 ; HEALTH\_2\_recoded <- missing\_codes(variablename) ; table(HEALTH\_2\_recoded) ; data <- cbind(data,HEALTH\_2\_recoded)

## HEALTH\_2\_recoded  
## 0 3 4   
## 1217 1 3997

variablename <- data$INCOME16\_2 ; INCOME16\_2\_recoded <- missing\_codes(variablename) ; table(INCOME16\_2\_recoded) ; data <- cbind(data,INCOME16\_2\_recoded)

## INCOME16\_2\_recoded  
## 0 1 3 4   
## 1656 141 25 3393

data\_clean <- write.csv(data, "data\_clean.csv")

# <https://quanteda.io/reference/textstat_readability.html>

Note - most were web-based responses. Ultimately, 70.8 percent of respondents completed the GSS Panel survey via web survey, and 29.2 percent of respondents completed it by phone interview.

Note: in the 2020 survey administration, the codebook indicates a lot of terms were made more neutral to attempt to minimize the don’t knows etc.

#This will work to generate the readability stats for each question. There are 183 potential questions for us to use out of the 4,295 listed in the original dataset.  
  
#I did not have a good solution to a space in the question where {response to fill} was inserted from another question.   
  
data1 <- readtext("data\_prep.csv") #read in the text file  
corpus1 <- corpus(data1, docid\_field = "text", text\_field = "label") # build a new corpus from the text file  
head(corpus1) #look at the corpus a little

## Corpus consisting of 6 documents and 2 docvars.  
## ABANY :  
## "Do you think it should be possible for a pregnant woman to o..."  
##   
## ABDEFECT :  
## "Do you think it should be possible for a pregnant woman to o..."  
##   
## ABFELEGL :  
## ""  
##   
## ABHELP1 :  
## ""  
##   
## ABHELP2 :  
## ""  
##   
## ABHELP3 :  
## ""

#compute readability stats for items.  
readability\_trial <- textstat\_readability(corpus1,  
 measure = c("Flesch.Kincaid", "Dale.Chall", "ELF", "FOG.NRI"))  
  
readability <- write.csv(readability\_trial, "readability\_trial.csv")

table(data$ABPOOR\_2)

##   
## 1 2   
## 660 520

table(data$ABPOOR\_2\_recoded)

##   
## 0 1 2 3 4   
## 1180 17 7 14 3997