Assignment_3_SPAE

Dr. Paul Gronke

2025-09-30

Step 1: Read in the SPAE

- $1. \ \ The \ SPAE \ Report \ is \ available \ here \ https://electionlab.mit.edu/research/projects/survey-performance-american-elections$
- 2. The SPAE Data are avaiable at Datavers https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/GWBAP5

I encourage you to learn how to download data yourself from dataverse, but for the purposes of this lab, I have stored a Stata and SPSS version of the SPAE in the Assignment folder.

To read the SPAE from either Stata or SPSS, you need to have the haven package. We will also load the tidyverse package.

Make sure you make the working directory so that it is "looking" in the "Assignment_3_SPAE" folder.

```
library(tidyverse)
library(haven)
library(janitor) # creates nice tables using the tabyl command and supports piping

##
## Attaching package: 'janitor'

## The following objects are masked from 'package:stats':
##
## chisq.test, fisher.test

# Read the SPAE data from Stata
spae_stata <- read_dta("../../data/SPAE/mitu0051_output.dta")
spae_spss <- read_sav("../../data/SPAE/MITU0051_OUTPUT.sav")</pre>
```

Step 2: Explore the SPAE

Browse the data. See if there are any key differences between the SPSS and Stata versions.

```
## $ weight stacked
                        <dbl> 0.8195939, 0.8013723, 0.9902858, 0.9056539, 0.80~
## $ weight_final
                        <dbl> 2.48384875, 2.65546437, 1.68574995, 0.61982938, ~
## $ q1
                        ## $ q2
                        ## $ q2_t
                        <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q3
                        <dbl+1bl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, ~
## $ q4
                        <dbl+lbl> 3, 1, 3, 3, 3, 1, 1, 3, 1, 1, ~
                        <dbl+1bl> NA, 4, NA, NA, NA, NA, 4, 4, NA, 4, 3, ~
## $ q5
## $ q6
                        <dbl+lbl> NA, 11, NA, NA, NA, NA, 7, 7, NA,
                                                                 1, 10, ~
                        <chr> "__NA__", "gated community hall", "__NA__", "__N~
## $ q6_t
## $ q7
                        <dbl+lbl> NA, 2, NA, NA, NA, NA,
                                                       2, 2, NA, 2, 2, ~
                        <dbl+lbl> NA, 1, NA, NA, NA, NA,
                                                      2, 1, NA,
## $ q8
                                                                1, 1, ~
## $ q9
                        <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA,
                                                                2, 2, ~
## $ q9_t
                        <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
                        <dbl+lbl> NA, 11, NA, NA, NA, NA, 8, 7, NA, 4, 12, ~
## $ q10
## $ q11
                        <dbl+lbl> NA, 1, NA, NA, NA, NA, 1, 1, NA, 1, 1, ~
## $ q12
                        <dbl+lbl> NA, 1, NA, NA, NA, NA, 3, 3, NA, 2, 1, ~
## $ q12 t
                        <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
                        <dbl+lbl> NA, NA, NA, NA, NA, NA, 3, 1, NA, 2, NA, ~
## $ q13
                        <dbl+lbl> NA, 4, NA, NA, NA, NA, 1, 3, NA, 1, 1, ~
## $ q14
## $ q14_t
                        <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q15
                        <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ^
## $ q16
                        <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q16_t
## $ q17
                        <dbl+lbl> NA, 1, NA, NA, NA, NA, 2, 1, NA, 1, 1, ~
## $ q18
                        <dbl+lbl> NA, 4, NA, NA, NA, NA, 4, 4, NA, 4,
## $ q19
                        <dbl+1bl> NA, 3, NA, NA, NA, NA,
                                                       2, 3, NA,
                                                                 3,
## $ q20_m_1
                        <dbl+1bl> NA, 2, NA, NA, NA, NA,
                                                      2, 2, NA,
                                                                 2,
## $ q20_m_2
                        <dbl+lbl> NA, 2, NA, NA, NA, NA,
                                                      2, 2, NA,
                                                                 2,
## $ q20_m_3
                        <dbl+1bl> NA, 2, NA, NA, NA, NA, 2, 2, NA,
                                                                  2,
## $ q20_m_4
                        <dbl+lbl> NA,
                                     2, NA, NA, NA, NA,
                                                      2, 2, NA,
                                                                 2,
## $ q20_m_5
                        <dbl+1bl> NA, 2, NA, NA, NA, NA,
                                                      2, 2, NA,
                                                                 2,
## $ q20_m_6
                        <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA,
                                                                 2,
## $ q20_m_7
                        <dbl+1bl> NA, 2, NA, NA, NA, NA,
                                                       2, 2, NA, 2,
## $ q20_m_8
                        <dbl+lbl> NA, 1, NA, NA, NA, NA, 1, 1, NA,
                                                                 1,
                        <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q20_7_t
## $ q21 m 1
                        <dbl+lbl> NA, 2, NA, NA, NA, NA, 1, 2, NA, 2, 2, ~
## $ q21_m_2
                                     2, NA, NA, NA, NA,
                                                       1, 2, NA,
                                                                 2,
                        <dbl+lbl> NA,
## $ q21_m_3
                        <dbl+lbl> NA, 2, NA, NA, NA, NA,
                                                      1, 2, NA,
                                                                 2,
## $ q21_m_4
                        <dbl+lbl> NA, 2, NA, NA, NA, NA,
                                                      2, 2, NA,
                                                                 2, 2, ~
## $ q21 m 5
                        <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2,
                        <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ q21_m_6
## $ q21_m_7
                        <dbl+lbl> NA, 1, NA, NA, NA, NA, 2, 1, NA,
                                                                 1,
                        <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q21_t
                        <dbl+lbl> 5, NA, 2, 1, 5, 2, NA, NA, 3, NA, NA, ~
## $ q22
                        <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q22_t
## $ q23
                        <dbl+lbl> 1, NA, 2, 2, 2, NA, NA, 2, NA, NA, ~
## $ q23_t
                        <chr> "The idiots had written me off and not told me."~
## $ q24
                        <dbl+lbl> 2, NA, 2, 2, 2, NA, NA, 2, NA, NA, ~
                        <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
## $ q24_t
## $ q25
                        <dbl+lbl> 2, NA, 1, 1, 2, 2, NA, NA, 2, NA, NA, ~
## $ q26
                        <dbl+lbl> 1, NA, 2, 1, 1, NA, NA, 1, NA, NA, ~
## $ q27
                        <dbl+lbl> 3, NA, NA, 4, 1, 3, NA, NA, 1, NA, NA, ~
                        <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q27_t
```

```
## $ q28
                     <dbl+lbl> NA, NA, NA, 1, NA, NA, NA, NA, NA, NA, NA, ~
## $ q28_t
                     <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
                     ## $ q29
                     <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
## $ q29_t
## $ q30
                     ## $ q31
                     ## $ q31_t
                     <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
                     <dbl+lbl> NA, NA, NA, 8, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q32
## $ q33_m_1
                     <dbl+1bl> NA, NA, NA,
                                      2, NA, NA, NA, NA, NA, NA, NA, ~
## $ q33_m_2
                     <dbl+lbl> NA, NA, NA, 2, NA, NA, NA, NA, NA, NA, NA, ~
## $ q33_m_3
                     <dbl+lbl> NA, NA, NA,
                                       2, NA, NA, NA, NA, NA, NA, ~
                     <dbl+lbl> NA, NA, NA, 2, NA, NA, NA, NA, NA, NA, NA,
## $ q33_m_4
## $ q33_m_5
                     <dbl+lbl> NA, NA, NA, 2, NA, NA, NA, NA, NA, NA, NA, ~
                     <dbl+lbl> NA, NA, NA, 2, NA, NA, NA, NA, NA, NA, NA, ~
## $ q33_m_6
## $ q33_m_7
                     <dbl+lbl> NA, NA, NA, 1, NA, NA, NA, NA, NA, NA, NA, ~
## $ q33_t
                     <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
## $ q34
                     <dbl+lbl> 4, NA, 4, 3, 3, 4, NA, NA, 4, NA, NA, ~
                     <dbl+1bl> 1, NA, 2,
## $ q35
                                       1, 1, 1, NA, NA, 1, NA, NA, ~
                                          2, 2, NA, NA,
## $ q36_m_1
                     <dbl+1bl> 1, NA, 2,
                                       2,
                                                       1, NA, NA, ~
## $ q36_m_2
                     <db1+1b1> 2, NA, 2, 2,
                                          1, 2, NA, NA, 2, NA, NA,
## $ q36_m_3
                     <dbl+lbl> 2, NA, 2, 1, 2, 2, NA, NA, 2, NA, NA, ~
                     <dbl+lbl> 2, NA, 1, 2, 2, 1, NA, NA,
## $ q36_m_4
                                                       2, NA, NA, ~
                     <chr> "__NA__", "__NA__", "no way", "__NA__", "__NA__"~
## $ q36 m t
## $ q37_m_1
                     <dbl+lbl> 2, NA, NA, 2, 2, NA, NA, NA, 1, NA, NA, ~
## $ q37_m_2
                     <dbl+lbl> 2, NA, NA, 2, 2, NA, NA, NA,
                                                       2, NA, NA, ~
## $ q37_m_3
                     <dbl+1bl> 2, NA, NA, 2, 1, NA, NA, NA,
                                                       2, NA, NA, ~
                     <dbl+1b1> 2, NA, NA, 2,
                                          2, NA, NA, NA,
## $ q37_m_4
                                                       2, NA, NA,
## $ q37_m_5
                     <dbl+lbl> 1, NA, NA, 2, 2, NA, NA, NA, 2, NA, NA, ~
                     <dbl+lbl> 2, NA, NA, 2, 2, NA, NA, NA, 2, NA, NA, ~
## $ q37_m_6
## $ q37_m_7
                     <dbl+lbl> 2, NA, NA, 2, 2, NA, NA, NA,
                                                       2, NA, NA,
## $ q37_m_8
                     <dbl+lbl> 2, NA, NA, 1, 2, NA, NA, NA, 2, NA, NA,
## $ q37_m_9
                     <dbl+lbl> 2, NA, NA, 2, 2, NA, NA, NA, 2, NA, NA, ~
                     <chr> "__NA__", "__NA__", "__NA__", "Curious", "__NA__~
## $ q37h_t
                     ## $ q38_m_1
## $ q38_m_2
                     ## $ q38_m_3
                     ## $ q38 m 4
                     ## $ q38_m_5
                     ## $ q38_m_6
                     ## $ q38_m_7
                     ## $ q38 m 8
                     ## $ q38_m_9
                     <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q38h_t
## $ q39
                     <dbl+lbl> 1, 1, 1, 1, 1, 2, 1, 1, 2, 1, ~
## $ q40
                     <dbl+lbl> 1, 1, 2, 1, 1, 1, 2, 1, 1, 2, 1, 1, 1, 1, 1, 1, 1, **
                     <dbl+lbl> 1, 1, 3, 1, 1, 1, 2, 1, 1, 4, 1, 1, 1, 1, 2,~
## $ q41
## $ q42
                     <dbl+lbl> 1, 2, 3, 2, 1, 2, 2, 1, 1, 3, 1, 1, 1, 1, 2,~
## $ q43a
                     <dbl+lbl> 4, 1, 3, 2, 1, 1, 2, 1, 1, 1, 2, 2, 4, 1, 3,~
## $ q43b
                     <dbl+lbl> 2, 1, 2, 2, 2, 1, 2, 1, 1, 2, 2, 1, 4, 1, 3,~
## $ q44_m_1
                     <dbl+lbl> 2, 1, 1, 1, 1, 2, 2, 2, 1, 2, 2, 1, 2, 1, 2, ~
## $ q44_m_2
                     <dbl+lbl> 2, 2, 1, 1, 2, 2, 2, 2, 1, 2, 2, 2, 1, 2,~
## $ q44 m 3
                     <dbl+lbl> 2, 2, 1, 1, 1, 2, 2, 2, 1, 2, 2, 2, 1, 2,~
## $ q44_m_4
                     <dbl+lbl> 2, 2, 2, 1, 2, 1, 1, 2, 2, 2, 2, 1, 2, 1, 2,~
## $ q44_m_5
                     <dbl+lbl> 2, 1, 1, 1, 1, 1, 1, 2, 1, 2, 2, 2, 2, 1, 2,~
```

```
## $ q44 m 6
                        <dbl+lbl> 2, 2, 2, 2, 2, 1, 1, 2, 2, 2, 2, 2, 2, 1, 2,~
## $ q44_m_7
                       <dbl+lbl> 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 1, 2,~
## $ q44 m 8
                       <dbl+lbl> 2, 1, 2, 2, 2, 2, 1, 2, 1, 2, 2, 2, 2, 1, 2,~
## $ q44_m_9
                       <dbl+1bl> 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, 1, 2,~
## $ q44_m_10
                       ## $ q44 m 11
                       <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 1, 2,~
## $ q44 m 12
                       <dbl+lbl> 1, 2, 2, 2, 2, 2, 2, 1, 2, 1, 1, 2, 1, 2, 1,~
                       <dbl+lbl> 1, 1, 2, 3, 1, 1, 2, 1, 1, 2, 4, 3, 3, 3, 3,~
## $ q45a
## $ q45b
                        <dbl+lbl> 1, 2, 3, 3, 2, 1, 2, 1, 2, 2, 3, 3, 3, 3, 3, ~
## $ q45c
                        <dbl+lbl> 5, 3, 3, 3, 1, 3, 2, 1, 2, 2, 3, 3, 3, 3, 3, ~
## $ q45d
                        <dbl+lbl> 1, 1, 3, 3, 2, 3, 2, 1, 1, 2, 2, 3, 3, 3, 3,~
                        <dbl+lbl> 1, 1, 3, 2, 3, 1, 2, 1, 1, 2, 3, 3, 3, 3, 3, ~
## $ q45e
## $ q45f
                        <dbl+lbl> 1, 2, 3, 3, 1, 1, 2, 2, 1, 1, 3, 3, 3, 3, 3, ~
## $ q45g
                        <dbl+lbl> 1, 1, 3, 3, 1, 3, 2, 1, 1, 2, 1, 3, 3, 3, 3,~
## $ q45h
                        <dbl+lbl> 1, 1, 3, 3, 2, 1, 2, 1, 2, 4, 2, 3, 3, 3, 3,~
                        <dbl+lbl> 1, 3, 3, 3, 3, 1, 2, 1, 1, 2, 3, 3, 3, 3, 3, ~
## $ q45i
## $ q45j
                        <dbl+lbl> 1, 3, 4, 3, 2, 3, 2, 1, 1, 2, 3, 2, 3, 3, 3,~
## $ q45k
                        <dbl+lbl> 1, 1, 3, 3, 3, 1, 2, 1, 1, 3, 1, 3, 3, 3, 2,~
## $ q46a
                        <dbl+lbl> 4, 4, 4, 9, 3, 9, 3, 9, 3, 1, 2, 3, 9, 4, 3,~
                        <dbl+1bl> 4, 4, 4, 9, 3, 9, 3, 9, 4, 2, 2, 3, 9, 4, 9,~
## $ q46b
## $ q46c
                        <dbl+lbl> 4, 4, 4, 9, 3, 9, 9, 9, 4, 2, 3, 3, 9, 4, 9,~
## $ q46d
                        <dbl+1bl> 4, 4, 3, 4, 3, 9, 9, 9, 3, 2, 2, 3, 9, 4, 2,~
                       <dbl+lbl> 4, 4, 2, 9, 3, 9, 3, 9, 3, 1, 1, 3, 9, 9, 9,~
## $ q46e
## $ q46f
                       <dbl+lbl> 4, 4, 9, 9, 3, 9, 9, 9, 4, 2, 3, 3, 9, 4, 3,~
## $ q46g
                       <dbl+lbl> 4, 4, 9, 9, 4, 9, 9, 9, 4, 1, 2, 3, 9, 4, 9,~
## $ q46h
                       <dbl+lbl> 4, 4, 4, 9, 9, 9, 3, 9, 3, 2, 2, 3, 9, 4, 9,~
                        <dbl+lbl> 4, 4, 2, 9, 3, 9, 3, 9, 3, 1, 1, 3, 9, 4, 9,~
## $ q46i
## $ q46j
                        <dbl+lbl> 4, 4, 2, 3, 3, 9, 9, 9, 2, 2, 1, 3, 9, 4, 9,~
## $ q47a
                        <dbl+lbl> 1, 3, 4, 4, 3, 1, 2, 3, 4, 4, 2, 4, 3, 1, 2,~
## $ q47b
                        <dbl+lbl> 1, 4, 4, 4, 3, 2, 3, 4, 4, 4, 4, 4, 4, 1, 1,~
                        <dbl+lbl> 1, 3, 4, 3, 4, 2, 3, 4, 4, 4, 2, 3, 3, 1, 1,~
## $ q47c
## $ q47d
                        <dbl+lbl> 1, 2, 4, 3, 2, 1, 2, 3, 4, 3, 2, 1, 4, 1, 2,~
## $ q47e
                        <dbl+lbl> 2, 3, 4, 4, 4, 1, 2, 3, 4, 3, 2, 1, 4, 1, 2,~
## $ q47f
                        <dbl+lbl> 1, 1, 1, 1, 1, 4, 2, 1, 1, 1, 3, 1, 1, 2,~
                        <dbl+lbl> 1, 2, 1, 2, 2, 1, 2, 3, 1, 3, 1, 2, 2, 1, 2,~
## $ q47g
## $ q47h
                        <dbl+lbl> 1, 1, 4, 3, 2, 2, 1, 3, 2, 4, 1, 1, 4, 2, 2,~
## $ q47i
                        <dbl+lbl> 1, 1, 3, 3, 2, 1, 2, 4, 1, 3, 2, 1, 1, 1, 2,~
## $ q47j
                        <dbl+lbl> 1, 1, 3, 4, 2, 1, 2, 3, 2, 2, 3, 1, 3, 1, 2,~
                        <dbl+lbl> 1, 3, 3, 3, 3, 1, 2, 1, 4, 1, 1, 1, 1, 1, 2,~
## $ q47k
## $ q471
                       <dbl+lbl> 4, 4, 1, 3, 4, 3, 2, 2, 3, 2, 1, 4, 4, 3, 2,~
## $ q47m
                       <dbl+lbl> 4, 3, 4, 4, 2, 3, 3, 3, 4, 3, 2, 1, 1, 4, 2,~
                        <dbl+lbl> 1, 1, 2, 2, 1, 2, 2, 1, 2, 1, 2, 2, 2, 1, 2,~
## $ q48
## $ q49
                        ## $ q49a
                        <dbl+1bl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, ~
## $ q49b
                        ## $ q49c
## $ q50
                        <dbl+lbl> 1, 1, 2, 1, 1, 1, 1, 2, 1, 2, 2, 1, 2, 2, 2,~
## $ q50a
                        <dbl+lbl> 1, 1, NA, 2, 1, 2, 2, NA, 2, NA, NA, ~
## $ q50b
                        <dbl+lbl> 1, 1, NA, 1, 1, 1, NA, 1, NA, NA, ~
## $ n51
                        <dbl+lbl> 2, 1, 1, 1, 1, 3, 1, 1, 1, 3, 1, 1, 1, 1, ~
## $ q52a_q52m_m_1
                        <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2,
                        ## $ q52a q52m m 2
## $ q52a_q52m_m_3
                       ## $ q52a_q52m_m_4
```

```
## $ q52a_q52m_m_5
                     <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 1, 2, 2, 2, ~
## $ q52a_q52m_m_6
                     <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, ~
## $ q52a_q52m_m_7
                     <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 1, 2, 2, 2, -
                     <dbl+lbl> 2, 2, 2, 2, 2, 1, 2, 2, 2, 1, 2, 2, 2, 2, 2, ~
## $ q52a_q52m_m_8
## $ q52a_q52m_m_9
                     ## $ q52a q52m m 10
                     <dbl+lbl> 1, 1, 1, 2, 1, 2, 1, 1, 1, 2, 1, 2, 2, 1, 2,~
## $ q52a q52m m 11
                     <dbl+lbl> 1, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2
                     <dbl+lbl> 2, 2, 2, 2, 2, 1, 2, 2, 2, 1, 2, 2, 2, 2, 2, ~
## $ q52a_q52m_m_12
## $ q52a_q52m_m_13
                     <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, ~
## $ q52a_q52m_m_14
                     <dbl+lbl> 2, 2, 2, 1, 2, 1, 2, 2, 2, 1, 2, 2, 1, 2, 1,~
## $ q52_a
                     ## $ q52_b
## $ q52_c
                     <dbl+lbl> NA, 1, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q52_d
                     ## $ q52_e
                     ## $ q52_f
                     ## $ q52_g
                     ## $ q52_h
                     ## $ q52_i
## $ q52_j
                     <dbl+lbl> 2, 2, 2, NA, 2, NA, 1, 1, 2, NA, 2,
## $ q52_k
                     ## $ q52 1
                     ## $ q52_m
## $ inputzip
                     <dbl> 34420, 34748, 48310, 97146, 11050, 58523, 77708,~
                     <dbl+lbl> 5, 4, 1, 4, 4, 1, 1, 5, 3, 4, 5, 5, 1, 5, 1,~
## $ marstat
## $ child18
                     <dbl+lbl> 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, 1,~
## $ employ
                     <dbl+lbl> 6, 5, 5, 2, 5, 5, 1, 4, 1, 5, 4, 1, 1, 6, 7,~
                     <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
## $ employ_t
                     <dbl+lbl> 10, 4, 11, 6, 7, 97, 11, 2, 12, 2, 97, ~
## $ faminc_new
                     <dbl+lbl> 1, 3, 2, 2, 3, 1, 1, 2, 2, 2, 2, 1, 1, 3, 5,~
## $ pid3
                     <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ pid3_t
## $ pid7
                     <dbl+lbl> 1, 3, 6, 7, 5, 1, 2, 6, 7, 7, 6, 1, 2, 4, 8,~
## $ ideo5
                     <dbl+lbl> 1, 3, 4, 4, 3, 2, 4, 4, 5, 5, 4, 2, 3, 3, 3,~
## $ newsint
                     <dbl+lbl> 1, 1, 1, 1, 1, 2, 2, 1, 1, 1, 2, 1, 4, 4, 4,~
## $ presvote16post
                     <dbl+lbl> 1, 1, 7, 2, 2, 1, 1, 2, 2, 2, 7, 1, 2, 7, 2,~
                     <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
## $ presvote16post_t
## $ turnout20post
                     <dbl+lbl> 1, 1, 2, 1, 1, 1, 1, 1, 1, 1, 2, 1, 1, 1, 1, -
## $ presvote20post
                     <dbl+lbl> 1, 1, 6, 2, 2, 1, 1, 2, 2, 2, 6, 1, 2, 1, 2,~
                     <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
## $ presvote20post_t
## $ pew_bornagain
                     <dbl+lbl> 1, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, 2, ~
## $ pew religimp
                     <dbl+lbl> 4, 4, 2, 1, 3, 1, 2, 1, 3, 1, 4, 4, 2, 4, 2,~
## $ pew_churatd
                     <dbl+lbl> 6, 6, 4, 4, 5, 7, 2, 2, 6, 2, 7, 5, 5, 6, 6,~
## $ pew_prayer
                     <dbl+lbl> 3, 7, 7, 2, 5, 1, 2, 1, 6, 1, 7, 7, 2, 7, 8,~
## $ religpew
                     <dbl+lbl> 11, 11, 11, 2, 2, 12, 4, 12, 1, 12, 11, ~
                     <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ religpew_t
                     <dbl+lbl> NA, 90, 2, 3, NA, 4, 1, NA, 4, 8, 1, ~
## $ relignew_protestant
## $ religpew_protestant_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__",
## $ birthyr
                     <dbl> 1954, 1945, 1949, 1943, 1941, 1957, 1992, 1963, ~
## $ gender
                     <dbl+lbl> 2, 2, 1, 2, 2, 2, 1, 2, 2, 2, 2, 1, 2, 1, 2,~
                     <dbl+lbl> 1, 1, 1, 1, 1, 1, 1, 2, 1, 1, 6, 1, 1, 6, 1,~
## $ race
                     <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
## $ race_other
                     ## $ hispanic
## $ educ
                     <dbl+lbl> 3, 6, 5, 3, 3, 4, 6, 5, 5, 3, 2, 6, 5, 3, 3,~
## $ votereg
```

glimpse(spae_spss)

```
## Rows: 10,200
## Columns: 220
## $ caseid
                        <dbl> 1921299838, 1921299900, 1921299868, 1920193564, ~
## $ weight_stacked
                        <dbl> 0.8195939, 0.8013723, 0.9902858, 0.9056539, 0.80~
## $ weight_final
                        <dbl> 2.48384875, 2.65546437, 1.68574995, 0.61982938, ~
## $ Q1
                        ## $ Q2
                        <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q2_t
## $ Q3
                        <dbl+1bl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, ~
                        <dbl+lbl> 3, 1, 3, 3, 3, 1, 1, 3,
                                                                 1, 1, ~
## $ Q4
## $ Q5
                        <dbl+lbl> NA, 4, NA, NA, NA, NA,
                                                      4, 4, NA,
                                                                 4,
## $ Q6
                        <dbl+lbl> NA, 11, NA, NA, NA, NA, 7, 7, NA,
                                                                 1, 10, ~
                        <chr> " NA ", "gated community hall", " NA ", " N~
## $ Q6 t
## $ Q7
                        <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2,
## $ Q8
                        <dbl+lbl> NA, 1, NA, NA, NA, NA,
                                                      2, 1, NA,
                                                                 1,
## $ Q9
                        <dbl+1bl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ Q9_t
                        <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
                        <dbl+lbl> NA, 11, NA, NA, NA, NA, 8, 7, NA, 4, 12, ~
## $ Q10
## $ Q11
                        <dbl+lbl> NA, 1, NA, NA, NA, NA, 1, 1, NA,
                                                                 1, 1, ~
## $ Q12
                        <dbl+lbl> NA, 1, NA, NA, NA, NA, 3, 3, NA, 2, 1, ~
                        <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q12_t
                        <dbl+lbl> NA, NA, NA, NA, NA, NA, 3, 1, NA,
## $ Q13
## $ Q14
                        <dbl+lbl> NA, 4, NA, NA, NA, NA, 1, 3, NA, 1, 1, ~
## $ Q14_t
                        <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
                        ## $ Q15
## $ Q16
                        <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA,
                                                                2, 2, ^
                        <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q16_t
## $ Q17
                        <dbl+lbl> NA, 1, NA, NA, NA, NA, 2, 1, NA,
                                                                 1, 1, ~
                                                      4, 4, NA,
## $ Q18
                        <dbl+1bl> NA, 4, NA, NA, NA, NA,
                                                                 4,
                                                                     4, ~
## $ Q19
                        <dbl+1bl> NA, 3, NA, NA, NA, NA,
                                                       2, 3, NA,
                                                                 3,
## $ Q20 m 1
                        <dbl+lbl> NA, 2, NA, NA, NA, NA,
                                                      2, 2, NA,
                                                                 2,
## $ Q20 m 2
                        <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA,
                                                                 2,
                        <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA,
## $ Q20_m_3
                                                                 2,
## $ Q20_m_4
                        <dbl+1bl> NA, 2, NA, NA, NA, NA,
                                                      2, 2, NA,
                                                                     2, ~
                                                                 2,
## $ Q20_m_5
                        <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA,
                                                                 2,
## $ Q20_m_6
                        <dbl+1bl> NA, 2, NA, NA, NA, NA,
                                                       2, 2, NA,
                                                                  2,
                                                                     2, ~
                        <dbl+1bl> NA, 2, NA, NA, NA, NA,
                                                       2, 2, NA,
## $ Q20_m_7
                                                                  2,
## $ Q20_m_8
                        <dbl+lbl> NA, 1, NA, NA, NA, NA,
                                                      1, 1, NA,
                                                                 1,
                        <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q20_7_t
                        <dbl+lbl> NA, 2, NA, NA, NA, NA, 1, 2, NA,
                                                                  2,
## $ Q21_m_1
## $ Q21_m_2
                        <dbl+1bl> NA, 2, NA, NA, NA, NA,
                                                      1, 2, NA,
                                                                 2,
## $ Q21_m_3
                        <dbl+lbl> NA, 2, NA, NA, NA, NA,
                                                      1, 2, NA,
                                                                 2, 2, ~
## $ Q21 m 4
                        <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA,
                                                                 2,
                        <dbl+lbl> NA, 2, NA, NA, NA, NA,
## $ Q21_m_5
                                                       2,
                                                          2, NA,
                                                                  2,
                                                                     2,
                        <dbl+1bl> NA, 2, NA, NA, NA, NA,
## $ Q21 m 6
                                                       2, 2, NA,
                                                                 2,
                        <dbl+lbl> NA, 1, NA, NA, NA, NA, 2, 1, NA, 1, 1, ~
## $ Q21_m_7
                        <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
## $ Q21_t
                        <dbl+lbl> 5, NA, 2, 1, 5, 2, NA, NA, 3, NA, NA, ~
## $ Q22
```

```
<chr> "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q22 t
## $ Q23
                      <dbl+lbl> 1, NA, 2, 2, 2, NA, NA, 2, NA, NA, ~
## $ Q23 t
                      <chr> "The idiots had written me off and not told me."~
                      <dbl+1bl> 2, NA, 2, 2, 2, NA, NA,
## $ Q24
                                                         2, NA, NA, ~
                      <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q24 t
## $ Q25
                      <dbl+lbl> 2, NA, 1, 1, 2, 2, NA, NA, 2, NA, NA, ~
## $ Q26
                      <dbl+lbl> 1, NA, 2, 1, 1, NA, NA, 1, NA, NA, ~
                      <dbl+lbl> 3, NA, NA, 4, 1, 3, NA, NA, 1, NA, NA,
## $ Q27
## $ Q27_t
                      <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q28
                      <dbl+lbl> NA, NA, NA, 1, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q28_t
                      <chr> "__NA__", "__NA__", "__NA__", "__NA__"~
                      <dbl+lbl> NA, NA, NA, 3, NA, NA, NA, NA, NA, NA, NA,
## $ Q29
                      <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
## $ Q29_t
## $ Q30
                      <dbl+lbl> NA, NA, NA, 4, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q31
                      <dbl+1bl> NA, NA, NA,
                                        4, NA, NA, NA, NA, NA, NA, NA,
                      <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q31_t
## $ Q32
                      <dbl+lbl> NA, NA, NA, 8, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q33 m 1
                      <dbl+1bl> NA, NA, NA,
                                        2, NA, NA, NA, NA, NA, NA, NA, ~
                      <dbl+lbl> NA, NA, NA,
                                        2, NA, NA, NA, NA, NA, NA, ~
## $ Q33_m_2
## $ Q33 m 3
                      ## $ Q33_m_4
                      <dbl+lbl> NA, NA, NA, 2, NA, NA, NA, NA, NA, NA, NA, ~
                      <dbl+lbl> NA, NA, NA, 2, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q33 m 5
                      <dbl+lbl> NA, NA, NA, 2, NA, NA, NA, NA, NA, NA, NA,
## $ Q33_m_6
## $ Q33 m 7
                      <dbl+1bl> NA, NA, NA,
                                        1, NA, NA, NA, NA, NA, NA, ~
                      <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q33 t
## $ Q34
                      <dbl+1bl> 4, NA, 4, 3,
                                           3, 4, NA, NA, 4, NA, NA, ~
## $ Q35
                              1, NA,
                                           1, 1, NA, NA,
                      <dbl+lbl>
                                     2,
                                        1,
                                                        1, NA, NA,
## $ Q36_m_1
                      <dbl+1b1>
                              1, NA,
                                     2,
                                        2,
                                           2, 2, NA, NA,
                                                        1, NA, NA,
                                           1, 2, NA, NA, 2, NA, NA, ~
                                        2,
## $ Q36_m_2
                      <dbl+lbl>
                              2, NA,
                                     2,
                                                         2, NA, NA, ~
## $ Q36_m_3
                      <dbl+lbl>
                               2, NA,
                                     2,
                                       1,
                                            2, 2, NA, NA,
## $ Q36_m_4
                      <dbl+lbl>
                               2, NA,
                                     1,
                                        2,
                                           2,
                                              1, NA, NA,
                                                         2, NA, NA,
## $ Q36_m_t
                      <chr> "__NA__", "__NA__", "no way", "__NA__", "__NA__"~
## $ Q37_m_1
                      <dbl+lbl>
                               2, NA, NA, 2, 2, NA, NA, NA, 1, NA, NA, ~
## $ Q37_m_2
                      <dbl+lbl>
                               2, NA, NA,
                                        2,
                                            2, NA, NA, NA,
                                                         2, NA, NA, ~
## $ Q37 m 3
                      <dbl+lbl>
                               2, NA, NA,
                                       2, 1, NA, NA, NA,
                                                         2, NA, NA,
## $ Q37_m_4
                      <dbl+1b1>
                              2, NA, NA, 2, 2, NA, NA, NA, 2, NA, NA, ~
## $ Q37 m 5
                      <dbl+lbl>
                              1, NA, NA, 2, 2, NA, NA, NA,
                                                         2, NA, NA, ~
## $ Q37_m_6
                      <dbl+lbl>
                               2, NA, NA,
                                        2,
                                            2, NA, NA, NA,
                                                         2, NA, NA,
## $ Q37 m 7
                      <dbl+lbl>
                              2, NA, NA, 2, 2, NA, NA, NA,
                                                         2, NA, NA,
## $ Q37_m_8
                      <dbl+lbl> 2, NA, NA, 1, 2, NA, NA, NA, 2, NA, NA, ~
                      <dbl+lbl> 2, NA, NA, 2, 2, NA, NA, NA, 2, NA, NA, ~
## $ Q37 m 9
                      <chr> "__NA__", "__NA__", "__NA__", "Curious", "__NA__
## $ Q37H t
## $ Q38 m 1
                      ## $ Q38_m_2
## $ Q38_m_3
                      ## $ Q38_m_4
## $ Q38_m_5
                      ## $ Q38_m_6
                      ## $ Q38_m_7
                      ## $ Q38_m_8
## $ Q38_m_9
                      <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
## $ Q38H_t
                      <dbl+lbl> 1, 1, 1, 1, 1, 1, 2, 1, 1, 2
## $ Q39
                      <dbl+lbl> 1, 1, 2, 1, 1, 1, 2, 1, 1, 2, 1, 1, 1, 1, 1, 1, 1, 1
## $ Q40
```

```
## $ Q41
                          <dbl+lbl> 1, 1, 3, 1, 1, 1, 2, 1, 1, 4, 1, 1, 1, 1, 2,~
## $ Q42
                          <dbl+lbl> 1, 2, 3, 2, 1, 2, 2, 1, 1, 3, 1, 1, 1, 1, 2,~
## $ Q43A
                          <dbl+lbl> 4, 1, 3, 2, 1, 1, 2, 1, 1, 1, 2, 2, 4, 1, 3,~
## $ Q43B
                          <dbl+lbl> 2, 1, 2, 2, 2, 1, 2, 1, 1, 2, 2, 1, 4, 1, 3,~
## $ Q44 m 1
                          <dbl+lbl> 2, 1, 1, 1, 1, 2, 2, 2, 1, 2, 2, 1, 2, 1, 2, ~
## $ Q44 m 2
                          <dbl+lbl> 2, 2, 1, 1, 2, 2, 2, 2, 1, 2, 2, 2, 2, 1, 2,~
## $ Q44 m 3
                          <dbl+lbl> 2, 2, 1, 1, 1, 2, 2, 2, 1, 2, 2, 2, 2, 1, 2,~
                          <dbl+lbl> 2, 2, 2, 1, 2, 1, 1, 2, 2, 2, 2, 1, 2, 1, 2,~
## $ Q44 m 4
## $ Q44_m_5
                          <dbl+lbl> 2, 1, 1, 1, 1, 1, 1, 2, 1, 2, 2, 2, 2, 1, 2,~
## $ Q44_m_6
                          <dbl+lbl> 2, 2, 2, 2, 2, 1, 1, 2, 2, 2, 2, 2, 2, 1, 2,~
## $ Q44_m_7
                          <dbl+lbl> 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 1, 2,~
## $ Q44 m 8
                          <dbl+lbl> 2, 1, 2, 2, 2, 2, 1, 2, 1, 2, 2, 2, 2, 1, 2,~
## $ Q44_m_9
                          <dbl+lbl> 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, 1, 2,~
## $ Q44_m_10
                          ## $ Q44_m_11
                          <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 1, 2,~
## $ Q44_m_12
                          <dbl+lbl> 1, 2, 2, 2, 2, 2, 2, 1, 2, 1, 1, 2, 1, 2, 1,~
## $ Q45A
                          <dbl+lbl> 1, 1, 2, 3, 1, 1, 2, 1, 1, 2, 4, 3, 3, 3, 3, ~
## $ Q45B
                          <dbl+lbl> 1, 2, 3, 3, 2, 1, 2, 1, 2, 2, 3, 3, 3, 3, 3, 3, ~
## $ Q45C
                          <dbl+lbl> 5, 3, 3, 3, 1, 3, 2, 1, 2, 2, 3, 3, 3, 3, 3, ~
## $ Q45D
                          <dbl+lbl> 1, 1, 3, 3, 2, 3, 2, 1, 1, 2, 2, 3, 3, 3, 3,~
## $ Q45E
                          <dbl+lbl> 1, 1, 3, 2, 3, 1, 2, 1, 1, 2, 3, 3, 3, 3, 3, ~
## $ Q45F
                          <dbl+lbl> 1, 2, 3, 3, 1, 1, 2, 2, 1, 1, 3, 3, 3, 3, 3, ~
## $ Q45G
                          <dbl+lbl> 1, 1, 3, 3, 1, 3, 2, 1, 1, 2, 1, 3, 3, 3, 3,~
## $ Q45H
                          <dbl+lbl> 1, 1, 3, 3, 2, 1, 2, 1, 2, 4, 2, 3, 3, 3, 3, ~
## $ Q45I
                         <dbl+lbl> 1, 3, 3, 3, 3, 1, 2, 1, 1, 2, 3, 3, 3, 3, 3, ~
## $ Q45J
                          <dbl+lbl> 1, 3, 4, 3, 2, 3, 2, 1, 1, 2, 3, 2, 3, 3, 3,~
## $ Q45K
                          <dbl+lbl> 1, 1, 3, 3, 3, 1, 2, 1, 1, 3, 1, 3, 3, 3, 2,~
## $ Q46A
                          <dbl+lbl> 4, 4, 4, 9, 3, 9, 3, 9, 3, 1, 2, 3, 9, 4, 3,~
## $ Q46B
                          <dbl+lbl> 4, 4, 4, 9, 3, 9, 3, 9, 4, 2, 2, 3, 9, 4, 9,~
## $ Q46C
                          <dbl+lbl> 4, 4, 4, 9, 3, 9, 9, 9, 4, 2, 3, 3, 9, 4, 9,~
                          <dbl+lbl> 4, 4, 3, 4, 3, 9, 9, 9, 3, 2, 2, 3, 9, 4, 2,~
## $ Q46D
## $ Q46E
                          <dbl+lbl> 4, 4, 2, 9, 3, 9, 3, 9, 3, 1, 1, 3, 9, 9, 9,~
## $ Q46F
                          <dbl+lbl> 4, 4, 9, 9, 3, 9, 9, 9, 4, 2, 3, 3, 9, 4, 3,~
## $ Q46G
                          <dbl+lbl> 4, 4, 9, 9, 4, 9, 9, 9, 4, 1, 2, 3, 9, 4, 9,~
                          <dbl+lbl> 4, 4, 4, 9, 9, 9, 3, 9, 3, 2, 2, 3, 9, 4, 9,~
## $ Q46H
## $ Q46I
                          <dbl+lbl> 4, 4, 2, 9, 3, 9, 3, 9, 3, 1, 1, 3, 9, 4, 9,~
## $ Q46J
                          <dbl+lbl> 4, 4, 2, 3, 3, 9, 9, 9, 2, 2, 1, 3, 9, 4, 9,~
## $ Q47A
                          <dbl+lbl> 1, 3, 4, 4, 3, 1, 2, 3, 4, 4, 2, 4, 3, 1, 2,~
## $ Q47B
                          <dbl+lbl> 1, 4, 4, 4, 3, 2, 3, 4, 4, 4, 4, 4, 4, 1, 1,~
## $ Q47C
                          <dbl+lbl> 1, 3, 4, 3, 4, 2, 3, 4, 4, 4, 2, 3, 3, 1, 1,~
## $ Q47D
                          <dbl+lbl> 1, 2, 4, 3, 2, 1, 2, 3, 4, 3, 2, 1, 4, 1, 2,~
## $ Q47E
                          <dbl+lbl> 2, 3, 4, 4, 4, 1, 2, 3, 4, 3, 2, 1, 4, 1, 2,~
## $ Q47F
                          <dbl+lbl> 1, 1, 1, 1, 1, 1, 4, 2, 1, 1, 1, 3, 1, 1, 2,~
## $ Q47G
                          <dbl+lbl> 1, 2, 1, 2, 2, 1, 2, 3, 1, 3, 1, 2, 2, 1, 2,~
## $ Q47H
                          <dbl+lbl> 1, 1, 4, 3, 2, 2, 1, 3, 2, 4, 1, 1, 4, 2, 2,~
                          <dbl+lbl> 1, 1, 3, 3, 2, 1, 2, 4, 1, 3, 2, 1, 1, 1, 2,~
## $ Q47I
## $ Q47J
                          <dbl+lbl> 1, 1, 3, 4, 2, 1, 2, 3, 2, 2, 3, 1, 3, 1, 2,~
## $ Q47K
                          <dbl+lbl> 1, 3, 3, 3, 3, 1, 2, 1, 4, 1, 1, 1, 1, 1, 2,~
## $ Q47L
                          <dbl+lbl> 4, 4, 1, 3, 4, 3, 2, 2, 3, 2, 1, 4, 4, 3, 2,~
## $ Q47M
                          <dbl+lbl> 4, 3, 4, 4, 2, 3, 3, 3, 4, 3, 2, 1, 1, 4, 2,~
## $ Q48
                          <dbl+lbl> 1, 1, 2, 2, 1, 2, 2, 1, 2, 1, 2, 2, 2, 1, 2,~
## $ Q49
                          ## $ Q49A
                          <dbl+1bl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, ~
## $ Q49B
```

```
## $ Q49C
                     ## $ Q50
                     <dbl+lbl> 1, 1, 2, 1, 1, 1, 1, 2, 1, 2, 2, 1, 2, 2, 2,~
## $ Q50A
                     <dbl+lbl> 1, 1, NA, 2, 1, 2, 2, NA, 2, NA, NA, ~
                     <dbl+lbl> 1, 1, NA, 1, 1, 1, NA, 1, NA, NA, ~
## $ Q50B
                     <dbl+lbl> 2, 1, 1, 1, 1, 3, 1, 1, 1, 3, 1, 1, 1, 1, -
## $ N51
## $ Q52a_Q52m_m_1
                     <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2
                     ## $ Q52a Q52m m 2
                     ## $ Q52a_Q52m_m_3
                     ## $ Q52a_Q52m_m_4
## $ Q52a_Q52m_m_5
                     <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 1, 2, 2, 2, -
## $ Q52a_Q52m_m_6
                     <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, ~
                     <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 1, 2, 2, 2, ~
## $ Q52a_Q52m_m_7
## $ Q52a_Q52m_m_8
                     <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 1, 2, 2, 2, -
                     ## $ Q52a_Q52m_m_9
## $ Q52a_Q52m_m_10
                     <dbl+lbl> 1, 1, 1, 2, 1, 2, 1, 1, 1, 2, 1, 2, 2, 1, 2,~
                     <dbl+lbl> 1, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2,
## $ Q52a_Q52m_m_11
                     <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 1, 2, 2, 2, ~
## $ Q52a_Q52m_m_12
## $ Q52a Q52m m 13
                     <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, ~
                     <dbl+lbl> 2, 2, 2, 1, 2, 1, 2, 2, 2, 1, 2, 2, 1, 2, 1,~
## $ Q52a_Q52m_m_14
## $ Q52 a
                     ## $ Q52_b
                     ## $ Q52 c
                     ## $ Q52_d
## $ Q52_e
                     <dbl+lbl> NA, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA,
## $ Q52 f
                     ## $ Q52 g
                     ## $ Q52_h
                     <dbl+lbl> NA, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA,
## $ Q52_i
                     ## $ Q52_j
                     <dbl+lbl> 2, 2, 2, NA, 2, NA, 1, 1, 2, NA, 2, ~
## $ Q52_k
                     ## $ Q52_1
                     ## $ Q52_m
                     ## $ inputzip
                     <dbl> 34420, 34748, 48310, 97146, 11050, 58523, 77708,~
                     <dbl+lbl> 5, 4, 1, 4, 4, 1, 1, 5, 3, 4, 5, 5, 1, 5, 1,~
## $ marstat
                     <dbl+lbl> 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, 1,~
## $ child18
## $ employ
                     <dbl+lbl> 6, 5, 5, 2, 5, 5, 1, 4, 1, 5, 4, 1, 1, 6, 7,~
## $ employ t
                     <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ faminc_new
                     <dbl+lbl> 10, 4, 11, 6, 7, 97, 11, 2, 12, 2, 97, ~
                     <dbl+lbl> 1, 3, 2, 2, 3, 1, 1, 2, 2, 2, 2, 1, 1, 3, 5,~
## $ pid3
## $ pid3_t
                     <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
## $ pid7
                     <dbl+lbl> 1, 3, 6, 7, 5, 1, 2, 6, 7, 7, 6, 1, 2, 4, 8,~
## $ ideo5
                     <dbl+lbl> 1, 3, 4, 4, 3, 2, 4, 4, 5, 5, 4, 2, 3, 3, 3,~
                     <dbl+lbl> 1, 1, 1, 1, 1, 2, 2, 1, 1, 1, 2, 1, 4, 4, 4,~
## $ newsint
                     <dbl+lbl> 1, 1, 7, 2, 2, 1, 1, 2, 2, 2, 7, 1, 2, 7, 2,~
## $ presvote16post
                     <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
## $ presvote16post_t
                     <dbl+lbl> 1, 1, 2, 1, 1, 1, 1, 1, 1, 1, 2, 1, 1, 1, 1,~
## $ turnout20post
## $ presvote20post
                     <dbl+lbl> 1, 1, 6, 2, 2, 1, 1, 2, 2, 2, 6, 1, 2, 1, 2,~
                     <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"
## $ presvote20post_t
## $ pew_bornagain
                     <dbl+lbl> 1, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2
                     <dbl+lbl> 4, 4, 2, 1, 3, 1, 2, 1, 3, 1, 4, 4, 2, 4, 2,~
## $ pew_religimp
## $ pew_churatd
                     <dbl+lbl> 6, 6, 4, 4, 5, 7, 2, 2, 6, 2, 7, 5, 5, 6, 6,~
## $ pew_prayer
                     <dbl+lbl> 3, 7, 7, 2, 5, 1, 2, 1, 6, 1, 7, 7, 2, 7, 8,~
## $ religpew
                     <dbl+lbl> 11, 11, 11, 2, 2, 12, 4, 12, 1, 12, 11, ~
                     <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
## $ religpew t
```

```
<dbl+lbl> NA, 90, 2, 3, NA, 4, 1, NA, 4, 8, 1, ~
## $ relignew_protestant
## $ religpew_protestant_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__",
                       <dbl> 1954, 1945, 1949, 1943, 1941, 1957, 1992, 1963, ~
## $ birthyr
                       <dbl+lbl> 2, 2, 1, 2, 2, 2, 1, 2, 2, 2, 2, 1, 2, 1, 2,~
## $ gender
## $ race
                       <dbl+lbl> 1, 1, 1, 1, 1, 1, 1, 2, 1, 1, 6, 1, 1, 6, 1,~
                       <chr> "_NA_", "_NA_", "_NA_", "_NA_", "_NA_", "_NA_"~
## $ race other
## $ hispanic
                       <dbl+lbl> 3, 6, 5, 3, 3, 4, 6, 5, 5, 3, 2, 6, 5, 3, 3,~
## $ educ
## $ votereg
                       ## $ inputstate
                       <dbl+lbl> 12, 12, 26, 41, 36, 38, 48, 37, 4, 6, 13, ~
                       <dttm> 2024-11-06 19:44:49, 2024-11-06 19:45:07, 2024-~
## $ starttime
                       <dttm> 2024-11-06 19:57:29, 2024-11-06 19:59:18, 2024-~
## $ endtime
```

summary(spae_stata)

```
##
                         weight_stacked
                                             weight_final
        caseid
                                                                       q1
           :2.678e+08
                                :0.06197
                                                                        :1.000
    Min.
                         Min.
                                            Min.
                                                 : 0.005896
                                                                 Min.
##
    1st Qu.:1.927e+09
                         1st Qu.:0.62489
                                            1st Qu.: 0.207896
                                                                 1st Qu.:6.000
    Median :1.932e+09
                         Median :0.84923
                                            Median: 0.586924
                                                                 Median :6.000
##
    Mean
           :1.931e+09
                                :1.00000
                                            Mean : 1.000000
                                                                 Mean
                                                                        :5.692
                         Mean
##
    3rd Qu.:1.937e+09
                         3rd Qu.:1.18338
                                            3rd Qu.: 1.205816
                                                                 3rd Qu.:6.000
##
    Max.
          :2.142e+09
                                :8.74626
                         Max.
                                            Max.
                                                   :10.014239
                                                                 Max.
                                                                        :6.000
##
##
          q2
                         q2_t
                                               q3
                                                                q4
           : 1.00
##
    Min.
                     Length: 10200
                                         Min.
                                                :1.000
                                                                 :1.000
                                                          Min.
                                         1st Qu.:2.000
    1st Qu.: 4.00
                     Class : character
                                                          1st Qu.:1.000
    Median: 8.00
                     Mode :character
                                         Median :2.000
                                                          Median :2.000
##
    Mean
          :10.77
                                         Mean
                                                :1.967
                                                          Mean
                                                                 :1.928
##
    3rd Qu.:15.00
                                         3rd Qu.:2.000
                                                          3rd Qu.:3.000
    Max.
           :55.00
                                         Max.
                                                :9.000
                                                          Max.
                                                                 :9.000
##
    NA's
           :9433
                                         NA's
                                                          NA's
                                                                 :680
                                                :682
##
          q5
                           q6
                                           q6_t
                                                                 q7
##
           :1.000
                            : 1.000
                                       Length: 10200
                                                                  :1.000
    Min.
                     Min.
                                                          Min.
    1st Qu.:4.000
                     1st Qu.: 3.000
                                       Class : character
                                                           1st Qu.:2.000
    Median :4.000
                     Median : 7.000
                                       Mode :character
                                                          Median :2.000
##
##
    Mean
           :3.822
                     Mean : 7.347
                                                           Mean
                                                                  :2.004
##
    3rd Qu.:4.000
                     3rd Qu.:10.000
                                                           3rd Qu.:2.000
    Max.
           :9.000
                     Max.
                            :99.000
                                                          Max.
                                                                  :9.000
    NA's
           :3728
                     NA's
                            :3729
                                                          NA's
                                                                  :3728
##
##
                                                               q10
          8p
                           q9
                                          q9_t
##
    Min.
           :1.000
                     Min.
                            :1.000
                                     Length: 10200
                                                          Min.
                                                                 : 1.00
    1st Qu.:1.000
                     1st Qu.:2.000
                                      Class : character
                                                          1st Qu.: 6.00
    Median :1.000
##
                     Median :2.000
                                     Mode :character
                                                          Median: 8.00
##
    Mean
           :1.201
                     Mean
                            :2.005
                                                          Mean
                                                                 :10.01
##
    3rd Qu.:1.000
                     3rd Qu.:2.000
                                                          3rd Qu.:11.00
                            :9.000
                                                                 :99.00
##
    Max.
           :9.000
                     Max.
                                                          Max.
##
    NA's
           :3728
                     NA's
                            :3728
                                                          NA's
                                                                 :3729
##
         q11
                          q12
                                        q12_t
                                                               q13
                                     Length: 10200
    Min.
           :1.000
                     Min.
                            :1.000
                                                          Min.
                                                                 :1.000
                     1st Qu.:1.000
                                     Class : character
##
    1st Qu.:1.000
                                                          1st Qu.:1.000
##
    Median :1.000
                     Median :2.000
                                     Mode :character
                                                          Median :1.000
##
   Mean
          :1.054
                     Mean :2.162
                                                          Mean
                                                                 :1.705
    3rd Qu.:1.000
                     3rd Qu.:3.000
                                                          3rd Qu.:2.000
  Max. :9.000
##
                     Max.
                            :9.000
                                                          Max.
                                                                 :9.000
```

```
NA's :3730
                    NA's :3730
                                                       NA's :5993
##
         q14
                      q14_t
                                           q15
                                                           q16
                                                      Min. :1.000
##
         :1.00
                   Length: 10200
                                      Min. :1.000
   1st Qu.:3.00
                   Class : character
                                      1st Qu.:1.000
                                                      1st Qu.:2.000
##
   Median:4.00
                   Mode :character
                                      Median :1.000
                                                      Median :2.000
##
   Mean :3.58
                                      Mean :1.918
                                                      Mean :2.025
    3rd Qu.:4.00
                                      3rd Qu.:2.000
                                                      3rd Qu.:2.000
##
   Max.
           :8.00
                                      Max.
                                             :9.000
                                                      Max.
                                                              :9.000
##
   NA's
           :3730
                                      NA's
                                             :5641
                                                      NA's
                                                              :3730
##
                                                           q19
      q16_t
                            q17
                                           q18
##
   Length: 10200
                       Min.
                              :1.00
                                      Min.
                                             :1.000
                                                      Min.
                                                             :1.000
##
   Class : character
                       1st Qu.:1.00
                                      1st Qu.:4.000
                                                      1st Qu.:2.000
##
   Mode :character
                       Median:1.00
                                      Median :4.000
                                                      Median :3.000
##
                              :1.32
                                      Mean :4.348
                                                      Mean :3.526
                       Mean
##
                       3rd Qu.:2.00
                                      3rd Qu.:4.000
                                                      3rd Qu.:3.000
##
                       Max.
                              :9.00
                                      Max.
                                             :9.000
                                                      Max.
                                                             :9.000
##
                       NA's
                              :3730
                                      NA's :3730
                                                      NA's
                                                             :3730
                                                                      q20_m 5
##
      q20 m 1
                      q20 m 2
                                      q20_m_3
                                                     q20 m 4
##
   Min. :1.00
                   Min. :1.000
                                   Min. :1.00
                                                  Min. :1.000
                                                                  Min. :1.000
##
    1st Qu.:2.00
                   1st Qu.:2.000
                                   1st Qu.:2.00
                                                  1st Qu.:2.000
                                                                  1st Qu.:2.000
##
   Median:2.00
                   Median :2.000
                                   Median:2.00
                                                  Median :2.000
                                                                  Median :2.000
   Mean :1.97
                                   Mean :1.98
##
                   Mean :1.978
                                                  Mean :1.987
                                                                   Mean :1.988
   3rd Qu.:2.00
##
                   3rd Qu.:2.000
                                                  3rd Qu.:2.000
                                   3rd Qu.:2.00
                                                                   3rd Qu.:2.000
          :2.00
                                          :2.00
##
   Max.
                   Max.
                          :2.000
                                   Max.
                                                  Max.
                                                         :2.000
                                                                  Max.
                                                                          :2.000
   NA's
           :3681
                   NA's
                                   NA's
                                          :3681
                                                                   NA's
##
                          :3681
                                                  NA's
                                                         :3681
                                                                          :3681
##
      q20_m_6
                       q20_m_7
                                       q20_m_8
                                                      q20_7_t
##
   Min. :1.000
                    Min. :1.000
                                    Min. :1.000
                                                    Length: 10200
##
    1st Qu.:2.000
                    1st Qu.:2.000
                                    1st Qu.:1.000
                                                    Class : character
##
   Median :2.000
                    Median :2.000
                                    Median :1.000
                                                    Mode :character
   Mean :1.972
                    Mean :1.984
                                    Mean
                                          :1.093
##
   3rd Qu.:2.000
                    3rd Qu.:2.000
                                    3rd Qu.:1.000
##
   Max.
           :2.000
                    Max.
                           :2.000
                                    Max.
                                           :2.000
##
    NA's
           :3681
                    NA's
                           :3681
                                    NA's
                                          :3681
##
                       q21_m_2
                                       q21_m_3
                                                       q21_m_4
      q21_m_1
##
   Min.
          :1.000
                    Min. :1.000
                                    Min. :1.000
                                                    Min. :1.000
    1st Qu.:2.000
##
                    1st Qu.:2.000
                                    1st Qu.:2.000
                                                    1st Qu.:2.000
##
   Median :2.000
                    Median :2.000
                                    Median :2.000
                                                    Median :2.000
##
   Mean :1.809
                    Mean :1.976
                                    Mean :1.983
                                                    Mean :1.988
    3rd Qu.:2.000
                    3rd Qu.:2.000
                                    3rd Qu.:2.000
                                                    3rd Qu.:2.000
##
          :2.000
##
                           :2.000
                                          :2.000
   Max.
                    Max.
                                    Max.
                                                    Max. :2.000
           :3681
                    NA's
                           :3681
                                    NA's
                                           :3681
                                                    NA's :3681
##
   NA's
##
      q21 m 5
                       q21_m_6
                                       q21_m_7
                                                       q21_t
##
   Min.
         :1.000
                    Min. :1.000
                                    Min. :1.000
                                                    Length: 10200
##
    1st Qu.:2.000
                    1st Qu.:2.000
                                    1st Qu.:1.000
                                                    Class : character
   Median :2.000
                    Median :2.000
                                    Median :1.000
                                                    Mode :character
##
   Mean :1.969
                    Mean :1.992
                                          :1.234
                                    Mean
##
    3rd Qu.:2.000
                    3rd Qu.:2.000
                                    3rd Qu.:1.000
##
   Max.
         :2.000
                    Max. :2.000
                                    Max.
                                           :2.000
                    NA's
##
   NA's
          :3681
                         :3681
                                    NA's
                                           :3681
##
        q22
                        q22_t
                                             q23
                                                          q23_t
##
          : 1.000
                     Length: 10200
                                        Min. :1.00
                                                       Length: 10200
   Min.
   1st Qu.: 2.000
                     Class : character
                                        1st Qu.:2.00
                                                       Class : character
##
   Median : 3.000
                     Mode :character
                                        Median :2.00
                                                       Mode : character
## Mean : 3.288
                                        Mean :2.03
```

```
3rd Qu.: 4.000
                                         3rd Qu.:2.00
##
           :11.000
                                               :9.00
    Max.
                                         Max.
##
    NA's
           :7241
                                         NA's
                                               :7240
##
         q24
                                             q25
                                                              q26
                       q24_t
##
    Min.
           :1.000
                    Length: 10200
                                        Min.
                                               :1.000
                                                         Min.
                                                               :1.00
##
                                                        1st Qu.:1.00
    1st Qu.:2.000
                    Class : character
                                        1st Qu.:1.000
    Median :2.000
                                        Median :2.000
                                                         Median:1.00
                    Mode : character
##
    Mean :2.027
                                        Mean :1.626
                                                         Mean :1.19
##
    3rd Qu.:2.000
                                        3rd Qu.:2.000
                                                         3rd Qu.:1.00
##
         :9.000
    Max.
                                        Max.
                                               :9.000
                                                         Max.
                                                              :9.00
    NA's
           :7240
                                        NA's
                                               :7242
                                                         NA's
                                                                :7240
##
         q27
                                            q28
                      q27_t
                                                           q28_t
          :1.00
##
                   Length:10200
                                       Min.
                                              :1.000
                                                       Length: 10200
    Min.
##
    1st Qu.:2.00
                   Class : character
                                       1st Qu.:1.000
                                                        Class : character
##
    Median:3.00
                   Mode :character
                                       Median :1.000
                                                        Mode : character
##
    Mean :3.29
                                       Mean :1.205
##
    3rd Qu.:4.00
                                       3rd Qu.:1.000
##
    Max.
           :9.00
                                       Max.
                                              :9.000
                                       NA's
                                              :9146
##
    NA's
           :7647
##
         q29
                       q29 t
                                             q30
                                                              q31
##
    Min.
           :1.000
                    Length: 10200
                                        Min.
                                               :2.000
                                                        Min.
                                                              : 1.00
##
    1st Qu.:2.000
                    Class : character
                                        1st Qu.:4.000
                                                         1st Qu.: 8.00
##
    Median :2.000
                    Mode :character
                                        Median :4.000
                                                         Median :11.00
    Mean :2.871
                                                         Mean :10.05
##
                                        Mean
                                               :3.901
##
    3rd Qu.:3.000
                                        3rd Qu.:4.000
                                                         3rd Qu.:11.00
    Max.
           :9.000
                                        Max.
                                               :9.000
                                                         Max.
                                                               :99.00
##
    NA's
           :9146
                                        NA's
                                               :9146
                                                         NA's
                                                                :9146
##
       q31_t
                             q32
                                           q33_m_1
                                                           q33_m_2
##
    Length: 10200
                       Min.
                             :1.000
                                        Min.
                                              :1.000
                                                         Min. :1.000
    Class : character
                       1st Qu.:1.000
                                        1st Qu.:2.000
                                                         1st Qu.:2.000
##
    Mode :character
                       Median :8.000
                                        Median :2.000
                                                         Median :2.000
##
                       Mean
                               :4.843
                                        Mean
                                              :1.991
                                                         Mean
                                                              :1.995
##
                       3rd Qu.:8.000
                                        3rd Qu.:2.000
                                                         3rd Qu.:2.000
##
                              :9.000
                                               :2.000
                       Max.
                                        Max.
                                                         Max.
                                                               :2.000
##
                       NA's
                               :9146
                                        NA's
                                               :9556
                                                         NA's
                                                                :9556
##
       q33_m_3
                       q33_m_4
                                        q33_m_5
                                                         q33_m_6
##
           :1.000
                    Min.
                           :1.000
                                     Min. :1.000
                                                     Min. :1.000
##
    1st Qu.:2.000
                    1st Qu.:2.000
                                     1st Qu.:2.000
                                                     1st Qu.:2.000
##
    Median :2.000
                    Median :2.000
                                     Median :2.000
                                                     Median :2.000
##
    Mean :1.997
                    Mean :1.998
                                                            :1.991
                                     Mean
                                           :1.998
                                                     Mean
    3rd Qu.:2.000
                    3rd Qu.:2.000
                                     3rd Qu.:2.000
                                                     3rd Qu.:2.000
##
    Max.
           :2.000
                    Max.
                           :2.000
                                            :2.000
                                                             :2.000
                                     Max.
                                                     Max.
    NA's
##
           :9556
                    NA's
                           :9556
                                     NA's
                                            :9556
                                                     NA's
                                                             :9556
##
                                             q34
                                                              q35
       q33_m_7
                       q33_t
                    Length: 10200
    Min.
           :1.000
                                        Min.
                                               :1.000
                                                        Min. :1.000
##
    1st Qu.:1.000
                                                         1st Qu.:1.000
                    Class : character
                                        1st Qu.:3.000
##
    Median :1.000
                    Mode :character
                                        Median :4.000
                                                         Median :1.000
##
    Mean :1.025
                                        Mean
                                               :3.491
                                                         Mean
                                                              :1.171
##
    3rd Qu.:1.000
                                        3rd Qu.:4.000
                                                         3rd Qu.:1.000
##
    Max.
           :2.000
                                        Max.
                                               :9.000
                                                         Max.
                                                               :9.000
##
    NA's
           :9556
                                        NA's
                                                         NA's
                                                                :7242
                                               :7242
##
       q36_m_1
                       q36_m_2
                                        q36 m 3
                                                         q36_m_4
##
           :1.000
                    Min. :1.000
                                     Min. :1.000
                                                     Min. :1.000
    Min.
##
    1st Qu.:2.000
                    1st Qu.:2.000
                                     1st Qu.:1.000
                                                     1st Qu.:1.000
```

```
Median :2.000
                     Median :2.000
                                     Median :2.000
                                                      Median :2.000
##
    Mean
          :1.863
                    Mean
                            :1.775
                                     Mean
                                            :1.664
                                                      Mean
                                                             :1.629
    3rd Qu.:2.000
##
                     3rd Qu.:2.000
                                      3rd Qu.:2.000
                                                      3rd Qu.:2.000
           :2.000
                            :2.000
                                             :2.000
                                                              :2.000
##
    Max.
                     Max.
                                     Max.
                                                      Max.
##
    NA's
           :7223
                     NA's
                            :7223
                                     NA's
                                             :7223
                                                      NA's
                                                              :7223
##
                           q37 m 1
                                                             q37 m 3
      q36 m t
                                            q37_m_2
##
    Length: 10200
                        Min.
                              :1.000
                                         Min.
                                                :1.000
                                                          Min. :1.000
                        1st Qu.:2.000
                                         1st Qu.:2.000
                                                          1st Qu.:1.000
##
    Class : character
##
    Mode : character
                        Median :2.000
                                         Median :2.000
                                                          Median :2.000
##
                              :1.811
                        Mean
                                         Mean
                                               :1.838
                                                          Mean
                                                               :1.515
##
                        3rd Qu.:2.000
                                         3rd Qu.:2.000
                                                          3rd Qu.:2.000
##
                               :2.000
                        Max.
                                                :2.000
                                                                 :2.000
                                         Max.
                                                          Max.
                               :8325
##
                        NA's
                                         NA's
                                                :8325
                                                          NA's
                                                                 :8325
##
                        q37_m_5
                                         q37_m_6
                                                          q37_m_7
       q37_m_4
##
          :1.000
                                      Min. :1.000
    Min.
                     Min. :1.000
                                                      Min. :1.000
##
    1st Qu.:1.000
                     1st Qu.:1.000
                                      1st Qu.:2.000
                                                       1st Qu.:1.000
##
    Median :2.000
                     Median :2.000
                                      Median :2.000
                                                      Median :2.000
##
    Mean
          :1.563
                     Mean :1.593
                                      Mean :1.932
                                                      Mean
                                                            :1.634
                                                      3rd Qu.:2.000
##
    3rd Qu.:2.000
                     3rd Qu.:2.000
                                      3rd Qu.:2.000
##
    Max.
           :2.000
                     Max.
                            :2.000
                                      Max.
                                            :2.000
                                                      Max.
                                                              :2.000
                                                              :8325
##
    NA's
           :8325
                     NA's
                            :8325
                                      NA's
                                             :8325
                                                      NA's
##
       q37_m_8
                        q37_m_9
                                                             q38 m 1
                                         q37h_t
##
           :1.000
                           :1.000
                                                          Min. :1.000
    Min.
                     Min.
                                     Length: 10200
##
    1st Qu.:2.000
                     1st Qu.:2.000
                                      Class : character
                                                          1st Qu.:1.000
##
    Median :2.000
                     Median :2.000
                                                          Median :1.000
                                      Mode :character
    Mean
          :1.979
                     Mean
                          :1.945
                                                          Mean
                                                                :1.474
##
    3rd Qu.:2.000
                     3rd Qu.:2.000
                                                          3rd Qu.:2.000
           :2.000
                            :2.000
                                                                 :2.000
##
    Max.
                     Max.
                                                          Max.
##
    NA's
           :8325
                     NA's
                            :8325
                                                                 :10181
                                                          NA's
##
       q38_m_2
                        q38_m_3
                                         q38_m_4
                                                          q38_m_5
##
    Min.
           :1.00
                     Min.
                            :2
                                      Min.
                                             :1.000
                                                      Min.
                                                             :1.000
##
    1st Qu.:2.00
                     1st Qu.:2
                                      1st Qu.:1.000
                                                       1st Qu.:1.500
##
    Median:2.00
                     Median:2
                                      Median :2.000
                                                      Median :2.000
##
          :1.79
                          :2
                                           :1.579
                                                             :1.737
    Mean
                     Mean
                                      Mean
                                                      Mean
##
    3rd Qu.:2.00
                     3rd Qu.:2
                                      3rd Qu.:2.000
                                                       3rd Qu.:2.000
##
    Max.
           :2.00
                                            :2.000
                                                              :2.000
                     Max.
                            :2
                                     Max.
                                                      Max.
##
    NA's
           :10181
                     NA's
                            :10181
                                      NA's
                                             :10181
                                                      NA's
                                                              :10181
##
       q38_m_6
                        q38_m_7
                                         q38_m_8
                                                          q38_m_9
##
    Min.
           :1.000
                     Min.
                                     Min.
                                             :1.000
                                                      Min.
                            :2
                     1st Qu.:2
##
    1st Qu.:2.000
                                      1st Qu.:2.000
                                                       1st Qu.:2
    Median :2.000
                     Median:2
                                     Median :2.000
                                                      Median:2
##
    Mean
          :1.947
                     Mean
                          :2
                                     Mean
                                            :1.947
                                                      Mean
                                                              :2
    3rd Qu.:2.000
                     3rd Qu.:2
                                      3rd Qu.:2.000
                                                       3rd Qu.:2
##
##
    Max.
           :2.000
                     Max.
                            :2
                                      Max.
                                             :2.000
                                                      Max.
                                                              :2
##
    NA's
                     NA's
                                      NA's
                                             :10181
                                                      NA's
                                                              :10181
           :10181
                            :10181
##
       q38h_t
                                                               q41
                             q39
                                              q40
##
    Length: 10200
                        Min.
                               :1.000
                                         Min.
                                                :1.000
                                                          Min.
                                                                 :1.000
##
                        1st Qu.:1.000
                                         1st Qu.:1.000
                                                          1st Qu.:1.000
    Class : character
##
    Mode :character
                        Median :1.000
                                         Median :1.000
                                                          Median :1.000
##
                        Mean
                               :1.429
                                         Mean
                                               :1.627
                                                          Mean
                                                                 :1.744
##
                        3rd Qu.:2.000
                                         3rd Qu.:2.000
                                                          3rd Qu.:2.000
##
                               :9.000
                                                :9.000
                        Max.
                                         Max.
                                                          Max.
                                                                 :9.000
                                                                 :2
##
                        NA's
                               :768
                                         NA's
                                                :1
                                                          NA's
##
         q42
                          q43a
                                           q43b
                                                          q44 m 1
```

```
Min. :1.000
   Min. :1.000
                   Min. :1.000
                                  Min. :1.000
##
   1st Qu.:1.000
                   1st Qu.:1.000
                                  1st Qu.:1.000
                                                  1st Qu.:1.000
                   Median :2.000
   Median :2.000
                                  Median :2.000
                                                  Median :2.000
                   Mean :1.855
                                  Mean :2.121
##
   Mean :2.104
                                                  Mean :1.625
##
   3rd Qu.:2.000
                   3rd Qu.:2.000
                                  3rd Qu.:3.000
                                                  3rd Qu.:2.000
##
   Max. :9.000
                   Max. :7.000
                                  Max. :7.000
                                                  Max. :2.000
   NA's :1
                   NA's :2
                                  NA's :1
      q44 m 2
                      q44_m_3
                                     q44 m 4
##
                                                     q44_m_5
   Min. :1.000
                   Min. :1.000
##
                                  Min. :1.000
                                                  Min. :1.000
##
   1st Qu.:1.000
                   1st Qu.:2.000
                                  1st Qu.:1.000
                                                  1st Qu.:1.000
                   Median :2.000
   Median :2.000
                                  Median :2.000
                                                  Median :2.000
   Mean :1.731
                   Mean :1.751
                                  Mean :1.698
                                                  Mean :1.608
##
                                                  3rd Qu.:2.000
##
   3rd Qu.:2.000
                   3rd Qu.:2.000
                                   3rd Qu.:2.000
##
   Max. :2.000
                   Max. :2.000
                                  Max. :2.000
                                                  Max. :2.000
##
##
      q44_m_6
                      q44_m_7
                                     q44_m_8
                                                    q44_m_9
                                                                   q44_m_10
##
   Min. :1.000
                   Min. :1.000
                                                 Min. :1.000
                                                                Min. :1.000
                                  Min. :1.00
   1st Qu.:1.000
                   1st Qu.:2.000
                                   1st Qu.:2.00
                                                 1st Qu.:2.000
                                                                1st Qu.:2.000
   Median :2.000
                   Median :2.000
                                  Median :2.00
                                                 Median :2.000
                                                                Median :2.000
##
   Mean :1.739
                                  Mean :1.83
                   Mean :1.823
                                                 Mean :1.889
##
                                                                Mean :1.945
##
   3rd Qu.:2.000
                   3rd Qu.:2.000
                                  3rd Qu.:2.00
                                                 3rd Qu.:2.000
                                                                3rd Qu.:2.000
##
   Max. :2.000
                   Max. :2.000
                                  Max. :2.00
                                                 Max. :2.000
                                                                Max. :2.000
##
##
      q44 m 11
                      q44 m 12
                                       q45a
                                                       q45b
##
   Min. :1.000
                   Min. :1.000
                                  Min. :1.000
                                                  Min. :1.000
   1st Qu.:2.000
                   1st Qu.:1.000
                                  1st Qu.:1.000
                                                  1st Qu.:1.000
##
   Median :2.000
                   Median :2.000
                                  Median :2.000
                                                  Median :2.000
   Mean :1.838
                   Mean :1.701
                                  Mean :1.785
                                                  Mean :2.063
##
   3rd Qu.:2.000
                   3rd Qu.:2.000
                                   3rd Qu.:2.000
                                                  3rd Qu.:3.000
   Max. :2.000
                   Max. :2.000
                                  Max. :5.000
                                                  Max. :5.000
                                  NA's :1
##
##
        q45c
                        q45d
                                       q45e
                                                       q45f
   Min. :1.000
                   Min. :1.000
                                  Min. :1.000
                                                  Min. :1.000
   1st Qu.:2.000
                   1st Qu.:1.000
                                  1st Qu.:1.000
                                                  1st Qu.:1.000
##
   Median :3.000
                   Median :2.000
                                  Median :2.000
                                                  Median :2.000
##
   Mean :2.569
                   Mean :1.824
                                  Mean :1.773
                                                  Mean :1.915
   3rd Qu.:3.000
                   3rd Qu.:2.000
                                  3rd Qu.:2.000
                                                  3rd Qu.:3.000
##
   Max.
          :5.000
                   Max. :5.000
                                  Max.
                                        :5.000
                                                  Max. :5.000
##
   NA's
          :1
                                  NA's :1
                                                  NA's :3
##
        q45g
                        q45h
                                      q45i
                                                       q45j
   Min. :1.000
                   Min. :1.000
                                  Min. :1.000
                                                  Min. :1.000
##
   1st Qu.:1.000
                   1st Qu.:1.000
                                  1st Qu.:1.000
                                                  1st Qu.:2.000
   Median :2.000
                   Median :2.000
                                  Median :2.000
                                                  Median :2.000
##
   Mean :2.052
                   Mean :2.006
                                  Mean :2.102
                                                  Mean :2.337
   3rd Qu.:3.000
                   3rd Qu.:3.000
                                   3rd Qu.:3.000
                                                  3rd Qu.:3.000
   Max. :5.000
                   Max. :5.000
                                  Max. :5.000
                                                  Max. :5.000
##
                   NA's :1
                                  NA's :2
                                                  NA's
##
                                                       :2
##
        q45k
                       q46a
                                      q46b
                                                      q46c
                                  Min. :1.000
                                                  Min. :1.000
   Min. :1.000
                   Min. :1.000
##
   1st Qu.:1.000
                   1st Qu.:3.000
                                   1st Qu.:3.000
                                                  1st Qu.:3.000
##
   Median :2.000
                   Median :4.000
                                  Median :4.000
                                                  Median :4.000
##
   Mean :1.986
                   Mean :4.242
                                  Mean :4.312
                                                  Mean :4.266
##
   3rd Qu.:3.000
                   3rd Qu.:4.000
                                  3rd Qu.:4.000
                                                  3rd Qu.:4.000
## Max. :5.000
                   Max. :9.000
                                  Max. :9.000
                                                  Max. :9.000
```

```
NA's :2
##
      q46d
                       q46e
                                     q46f
##
                                                     q46g
                   Min. :1.000
                                                  Min. :1.000
##
   Min. :1.000
                                  Min. :1.000
                                  1st Qu.:3.000
   1st Qu.:3.000
                   1st Qu.:3.000
                                                  1st Qu.:3.000
   Median :4.000
                   Median :4.000
                                  Median :4.000
                                                  Median :4.000
##
   Mean :4.092
                   Mean :4.138
                                  Mean :4.554
                                                  Mean :4.601
   3rd Qu.:4.000
                   3rd Qu.:4.000
                                   3rd Qu.:4.000
                                                  3rd Qu.:4.000
          :9.000
                                  Max. :9.000
                   Max. :9.000
##
   Max.
                                                  Max.
                                                        :9.000
##
   NA's
          :1
                                                  NA's
                                                        :1
        q46h
##
                        q46i
                                       q46 j
                                                       q47a
   Min. :1.000
                   Min. :1.000
                                  Min. :1.000
                                                  Min. :1.000
   1st Qu.:3.000
                   1st Qu.:3.000
                                   1st Qu.:3.000
                                                  1st Qu.:2.000
##
##
   Median :4.000
                   Median :4.000
                                  Median :4.000
                                                  Median :3.000
##
                   Mean :4.343
                                                  Mean :2.963
   Mean :4.338
                                  Mean :4.421
##
   3rd Qu.:4.000
                   3rd Qu.:4.000
                                   3rd Qu.:4.000
                                                  3rd Qu.:4.000
##
   Max. :9.000
                   Max. :9.000
                                  Max. :9.000
                                                  Max. :4.000
##
                       q47c
##
       q47b
                                      g47d
                                                      q47e
   Min. :1.000
                                  Min. :1.000
                                                  Min. :1.000
                   Min. :1.000
##
##
   1st Qu.:3.000
                   1st Qu.:2.000
                                  1st Qu.:1.000
                                                  1st Qu.:1.000
##
   Median :4.000
                   Median :3.000
                                  Median :2.000
                                                  Median :2.000
   Mean :3.261
                   Mean :3.006
                                  Mean :2.148
                                                  Mean :2.186
##
   3rd Qu.:4.000
                   3rd Qu.:4.000
                                  3rd Qu.:3.000
                                                  3rd Qu.:3.000
   Max. :4.000
                   Max. :4.000
                                  Max. :4.000
                                                  Max. :4.000
##
##
                                                     q47i
##
       q47f
                       q47g
                                      q47h
                                                                     q47 j
                   Min. :1.00
                                 Min. :1.000
                                                 Min. :1.000
##
   Min. :1.000
                                                                Min. :1.00
   1st Qu.:1.000
                   1st Qu.:1.00
##
                                 1st Qu.:2.000
                                                 1st Qu.:1.000
                                                                 1st Qu.:1.00
##
   Median :1.000
                   Median:2.00
                                 Median :2.000
                                                 Median :2.000
                                                                Median:2.00
   Mean :1.691
                   Mean :1.72
                                 Mean :2.364
                                                 Mean :1.814
                                                                Mean :1.95
                                  3rd Qu.:3.000
##
   3rd Qu.:2.000
                   3rd Qu.:2.00
                                                 3rd Qu.:2.000
                                                                 3rd Qu.:2.00
##
   Max. :4.000
                   Max. :4.00
                                 Max. :4.000
                                                 Max.
                                                      :4.000
                                                                Max. :4.00
##
                   NA's :1
                                                 NA's
                                                      :1
       q47k
##
                       q471
                                      q47m
                                                      q48
   Min. :1.000
                   Min. :1.000
                                  Min. :1.000
                                                  Min. :1.000
##
##
   1st Qu.:1.000
                   1st Qu.:2.000
                                  1st Qu.:2.000
                                                  1st Qu.:2.000
##
   Median :2.000
                   Median :3.000
                                  Median :3.000
                                                  Median :2.000
##
   Mean :1.841
                   Mean :2.656
                                  Mean :2.591
                                                  Mean :1.759
##
   3rd Qu.:2.000
                   3rd Qu.:3.000
                                   3rd Qu.:3.000
                                                  3rd Qu.:2.000
   Max. :4.000
##
                   Max. :4.000
                                  Max. :4.000
                                                  Max. :2.000
   NA's :1
                   q49a
Min. :1.000
                                                  q49c
Min. :1.000
##
    q49
                                      q49b
                                  Min. :1.000
   Min. :1.000
##
##
   1st Qu.:1.000
                   1st Qu.:2.000
                                   1st Qu.:1.000
                                                  1st Qu.:1.000
   Median :1.000
                   Median :2.000
                                  Median :1.000
                                                  Median :1.000
   Mean :1.029
##
                   Mean :1.975
                                  Mean :1.018
                                                  Mean :1.096
##
   3rd Qu.:1.000
                   3rd Qu.:2.000
                                   3rd Qu.:1.000
                                                  3rd Qu.:1.000
##
   Max. :3.000
                   Max. :3.000
                                  Max. :3.000
                                                  Max. :3.000
##
                   NA's :247
                                   NA's :248
                                                  NA's :247
##
       q50
                       q50a
                                   q50b
                                                      n51
##
   Min. :1.000
                   Min. :1.000
                                  Min. :1.000
                                                  Min. :1.000
   1st Qu.:1.000
                   1st Qu.:2.000
                                   1st Qu.:1.000
                                                  1st Qu.:1.000
##
   Median :1.000
                   Median :2.000
                                  Median :1.000
                                                  Median :1.000
## Mean :1.482
                   Mean :1.894
                                  Mean :1.035
                                                  Mean :1.228
```

```
3rd Qu.:2.000
                   3rd Qu.:2.000
                                    3rd Qu.:1.000
                                                    3rd Qu.:1.000
##
   Max. :3.000
                           :3.000
                                   Max.
                                                          :3.000
                   Max.
                                          :3.000
                                                    Max.
##
                   NA's
                           :4853
                                    NA's
                                          :4855
##
   q52a_q52m_m_1
                   q52a_q52m_m_2
                                    q52a_q52m_m_3
                                                    q52a_q52m_m_4
##
   Min. :1.000
                   Min. :1.000
                                   Min. :1.000
                                                    Min. :1.000
##
   1st Qu.:2.000
                   1st Qu.:2.000
                                    1st Qu.:2.000
                                                    1st Qu.:2.000
   Median :2.000
                   Median :2.000
                                    Median :2.000
                                                    Median :2.000
   Mean :1.903
##
                   Mean :1.939
                                   Mean :1.935
                                                    Mean :1.988
                                                    3rd Qu.:2.000
##
    3rd Qu.:2.000
                    3rd Qu.:2.000
                                    3rd Qu.:2.000
##
   Max. :2.000
                   Max. :2.000
                                    Max. :2.000
                                                    Max. :2.000
##
##
   q52a_q52m_m_5
                    q52a_q52m_m_6
                                    q52a_q52m_m_7
                                                    q52a_q52m_m_8
##
   Min. :1.000
                   Min. :1.000
                                    Min. :1.000
                                                    Min. :1.000
                                                    1st Qu.:2.000
##
   1st Qu.:2.000
                    1st Qu.:2.000
                                    1st Qu.:2.000
##
   Median :2.000
                   Median :2.000
                                    Median :2.000
                                                    Median :2.000
##
   Mean :1.956
                   Mean :1.979
                                    Mean :1.936
                                                    Mean :1.982
##
    3rd Qu.:2.000
                    3rd Qu.:2.000
                                    3rd Qu.:2.000
                                                    3rd Qu.:2.000
##
   Max.
          :2.000
                   Max.
                          :2.000
                                    Max.
                                          :2.000
                                                    Max.
                                                         :2.000
##
##
   q52a q52m m 9
                   q52a_q52m_m_10 q52a_q52m_m_11
                                                   q52a_q52m_m_12
                                                                   q52a q52m m 13
##
   Min. :1.000
                   Min. :1.00
                                  Min.
                                         :1.000
                                                   Min. :1.000
                                                                   Min. :1.000
   1st Qu.:2.000
                    1st Qu.:1.00
                                   1st Qu.:2.000
                                                   1st Qu.:2.000
                                                                   1st Qu.:2.000
##
   Median :2.000
                   Median:2.00
                                  Median :2.000
                                                   Median :2.000
                                                                   Median :2.000
   Mean :1.921
                   Mean :1.59
                                  Mean :1.914
                                                   Mean :1.842
                                                                   Mean :1.961
##
    3rd Qu.:2.000
##
                                                   3rd Qu.:2.000
                                                                   3rd Qu.:2.000
                   3rd Qu.:2.00
                                   3rd Qu.:2.000
   Max. :2.000
                   Max. :2.00
                                  Max. :2.000
                                                   Max. :2.000
                                                                   Max.
                                                                         :2.000
##
##
   q52a_q52m_m_14
                       q52_a
                                       q52_b
                                                        q52_c
##
   Min. :1.000
                                                    Min. :1.000
                   Min.
                         :1.000
                                    Min. :1.000
   1st Qu.:1.000
                    1st Qu.:1.000
                                    1st Qu.:1.000
                                                    1st Qu.:1.000
##
   Median :2.000
                   Median :1.000
                                    Median :1.000
                                                    Median :1.000
##
   Mean :1.688
                   Mean :1.404
                                    Mean
                                         :1.047
                                                    Mean :1.094
##
   3rd Qu.:2.000
                    3rd Qu.:2.000
                                    3rd Qu.:1.000
                                                    3rd Qu.:1.000
##
   Max.
          :2.000
                          :2.000
                                         :2.000
                                                          :2.000
                   Max.
                                    Max.
                                                    Max.
##
                   NA's
                          :9225
                                    NA's
                                          :9586
                                                    NA's
                                                          :9550
                                       q52_f
##
       q52_d
                       q52_e
                                                        q52_g
##
         :1.000
                   Min. :1.000
                                    Min. :1.000
                                                    Min. :1.000
##
    1st Qu.:1.000
                    1st Qu.:1.000
                                    1st Qu.:1.000
                                                    1st Qu.:1.000
##
   Median :1.000
                   Median :1.000
                                    Median :1.000
                                                    Median :1.000
##
   Mean :1.355
                   Mean :1.113
                                   Mean :1.167
                                                    Mean :1.074
    3rd Qu.:2.000
                    3rd Qu.:1.000
                                    3rd Qu.:1.000
                                                    3rd Qu.:1.000
##
   Max.
          :2.000
                   Max.
                          :2.000
                                    Max.
                                          :2.000
                                                          :2.000
                                                    Max.
          :10079
                          :9756
                                          :9985
##
   NA's
                   NA's
                                    NA's
                                                    NA's
                                                          :9550
##
       q52_h
                       q52_i
                                       q52_j
                                                        q52_k
                                                                        q52_1
   Min. :1.000
                   Min. :1.000
                                    Min. :1.000
                                                    Min. :1.000
                                                                    Min. :1.00
   1st Qu.:1.000
                    1st Qu.:1.000
                                    1st Qu.:2.000
                                                    1st Qu.:1.000
                                                                    1st Qu.:1.00
##
##
   Median :1.000
                   Median :1.000
                                    Median :2.000
                                                    Median :1.000
                                                                    Median:1.00
##
   Mean :1.097
                   Mean :1.342
                                    Mean :1.843
                                                                    Mean :1.04
                                                    Mean :1.153
   3rd Qu.:1.000
                   3rd Qu.:2.000
                                    3rd Qu.:2.000
                                                    3rd Qu.:1.000
                                                                    3rd Qu.:1.00
##
   Max.
         :2.000
                   Max.
                          :2.000
                                    Max. :2.000
                                                    Max.
                                                          :2.000
                                                                    Max.
                                                                         :2.00
           :10014
                                                                           :8595
##
   NA's
                   NA's
                           :9392
                                    NA's
                                           :6040
                                                    NA's
                                                           :9327
                                                                    NA's
##
        q52_m
                       inputzip
                                      marstat
                                                       child18
                                                                       employ
##
   Min. :1.000
                           : 1001
                                   Min.
                                           :1.000
                                                           :1.00
                                                                   Min. :1.000
                   Min.
                                                    Min.
##
   1st Qu.:1.000
                   1st Qu.:24017
                                    1st Qu.:1.000
                                                    1st Qu.:2.00
                                                                   1st Qu.:1.000
```

```
Median :1.000
                    Median :51028
                                     Median :3.000
                                                     Median :2.00
                                                                     Median :3.000
                                                            :1.78
##
    Mean
          :1.099
                    Mean
                           :50071
                                     Mean
                                            :2.735
                                                     Mean
                                                                     Mean
                                                                             :3.404
    3rd Qu.:1.000
##
                    3rd Qu.:75250
                                     3rd Qu.:5.000
                                                     3rd Qu.:2.00
                                                                     3rd Qu.:5.000
   Max.
           :2.000
                           :99901
                                                     Max.
##
                    Max.
                                     Max.
                                            :6.000
                                                             :2.00
                                                                     Max.
                                                                            :9.000
##
    NA's
           :9807
##
                         faminc new
                                             pid3
      employ t
                                                           pid3_t
##
   Length: 10200
                                                         Length: 10200
                       Min. : 1.00
                                        Min.
                                               :1.000
    Class : character
                       1st Qu.: 4.00
                                        1st Qu.:1.000
                                                         Class : character
##
    Mode :character
##
                       Median: 7.00
                                        Median :2.000
                                                         Mode : character
##
                              :14.98
                                        Mean
                                              :2.051
                       Mean
##
                       3rd Qu.:11.00
                                        3rd Qu.:3.000
##
                              :97.00
                                               :5.000
                       Max.
                                        Max.
##
##
         pid7
                         ideo5
                                        newsint
                                                     presvote16post
##
          :1.000
                           :1.000
                                            :1.000
                                                     Min.
                                                             :1.000
    Min.
                    Min.
                                     Min.
##
    1st Qu.:1.000
                    1st Qu.:2.000
                                     1st Qu.:1.000
                                                      1st Qu.:1.000
##
    Median :3.000
                    Median :3.000
                                     Median :1.000
                                                     Median :2.000
##
    Mean :3.718
                    Mean :3.067
                                     Mean :1.749
                                                     Mean :2.894
##
    3rd Qu.:6.000
                    3rd Qu.:4.000
                                     3rd Qu.:2.000
                                                     3rd Qu.:4.000
##
    Max.
          :8.000
                    Max.
                           :6.000
                                     Max.
                                           :7.000
                                                     Max.
                                                            :7.000
##
##
    presvote16post_t
                       turnout20post presvote20post presvote20post_t
##
   Length: 10200
                               :1.00
                                       Min.
                                              :1.000
                                                       Length: 10200
                       Min.
    Class : character
                       1st Qu.:1.00
                                       1st Qu.:1.000
                                                       Class : character
##
##
    Mode :character
                       Median:1.00
                                       Median :2.000
                                                       Mode : character
##
                       Mean :1.14
                                       Mean
                                             :2.179
##
                       3rd Qu.:1.00
                                       3rd Qu.:2.000
##
                               :2.00
                                              :6.000
                       Max.
                                       Max.
##
##
    pew_bornagain
                     pew_religimp
                                      pew_churatd
                                                       pew_prayer
##
    Min.
          :1.000
                    Min.
                          :1.000
                                     Min.
                                           :1.000
                                                     Min.
                                                            :1.000
##
    1st Qu.:1.000
                    1st Qu.:1.000
                                     1st Qu.:3.000
                                                      1st Qu.:1.000
##
    Median :2.000
                    Median :2.000
                                     Median :5.000
                                                     Median :3.000
                          :2.347
##
    Mean
          :1.719
                                           :4.304
                                                            :3.939
                    Mean
                                     Mean
                                                     Mean
##
    3rd Qu.:2.000
                    3rd Qu.:4.000
                                     3rd Qu.:6.000
                                                     3rd Qu.:6.000
##
    Max.
           :2.000
                           :4.000
                                            :7.000
                                                     Max.
                                                             :8.000
                    Max.
                                     Max.
##
    NA's
           :1
                                                     NA's
##
       religpew
                     religpew_t
                                        relignew_protestant relignew_protestant_t
##
    Min.
           : 1.00
                    Length: 10200
                                        Min.
                                             : 1.00
                                                             Length: 10200
##
    1st Qu.: 1.00
                    Class : character
                                        1st Qu.: 2.00
                                                             Class : character
    Median: 2.00
                    Mode :character
                                        Median: 3.00
                                                             Mode :character
##
    Mean
         : 5.46
                                        Mean
                                              :16.34
    3rd Qu.:11.00
                                        3rd Qu.: 7.00
##
##
    Max.
          :12.00
                                        Max.
                                               :90.00
##
                                               :5604
                                        NA's
##
       birthyr
                                                     race_other
                       gender
                                         race
##
    Min.
           :1928
                   Min.
                           :1.000
                                    Min.
                                           :1.000
                                                    Length: 10200
##
    1st Qu.:1958
                   1st Qu.:1.000
                                    1st Qu.:1.000
                                                    Class : character
##
    Median:1969
                   Median :2.000
                                    Median :1.000
                                                    Mode :character
##
    Mean
          :1971
                   Mean
                           :1.541
                                    Mean
                                          :1.452
##
    3rd Qu.:1985
                   3rd Qu.:2.000
                                    3rd Qu.:1.000
##
           :2006
                          :2.000
    Max.
                   Max.
                                    Max.
                                           :8.000
##
##
       hispanic
                          educ
                                        votereg
                                                    inputstate
```

```
Min.
           :1.000
                    Min.
                           :1.000
                                    Min. :1
                                                 Min. : 1.00
##
                    1st Qu.:2.000
                                     1st Qu.:1
   1st Qu.:2.000
                                                 1st Qu.:16.00
                                    Median :1
   Median :2.000
                    Median :4.000
                                                 Median :29.00
##
          :1.931
                    Mean
                           :3.794
                                                        :28.96
   Mean
                                    Mean
                                            :1
                                                 Mean
##
    3rd Qu.:2.000
                    3rd Qu.:5.000
                                     3rd Qu.:1
                                                 3rd Qu.:42.00
##
           :2.000
                           :6.000
   Max.
                    Max.
                                    Max.
                                          : 1
                                                 Max.
                                                        :56.00
##
##
      starttime
                           endtime
##
   Min.
           :2.047e+12
                        Min.
                                :2.047e+12
##
   1st Qu.:2.047e+12
                        1st Qu.:2.047e+12
   Median :2.047e+12
                        Median :2.047e+12
##
   Mean
           :2.047e+12
                        Mean
                               :2.047e+12
##
   3rd Qu.:2.047e+12
                        3rd Qu.:2.047e+12
##
                               :2.048e+12
   Max.
          :2.048e+12
                        Max.
##
```

summary(spae_spss)

```
##
                                            weight final
        caseid
                        weight stacked
                                                                      Q1
##
                        Min. :0.06197
                                           Min. : 0.005896
                                                                      :1.000
   \mathtt{Min}.
           :2.678e+08
                                                                Min.
##
    1st Qu.:1.927e+09
                        1st Qu.:0.62489
                                           1st Qu.: 0.207896
                                                                1st Qu.:6.000
##
    Median :1.932e+09
                        Median :0.84923
                                           Median: 0.586924
                                                                Median :6.000
   Mean
         :1.931e+09
                               :1.00000
                                           Mean : 1.000000
                                                                Mean
                                                                     :5.692
                        Mean
##
    3rd Qu.:1.937e+09
                        3rd Qu.:1.18338
                                           3rd Qu.: 1.205816
                                                                3rd Qu.:6.000
##
    Max.
         :2.142e+09
                        Max.
                               :8.74626
                                           Max.
                                                  :10.014239
                                                                Max.
                                                                       :6.000
##
                        Q2_t
##
          Q2
                                              Q3
                                                               Q4
##
    Min.
          : 1.00
                    Length: 10200
                                        Min.
                                               :1.000
                                                                :1.000
                                                         Min.
##
    1st Qu.: 4.00
                    Class : character
                                        1st Qu.:2.000
                                                         1st Qu.:1.000
    Median: 8.00
                    Mode :character
                                        Median :2.000
                                                         Median :2.000
##
    Mean :10.77
                                        Mean
                                               :1.967
                                                         Mean
                                                                :1.928
##
    3rd Qu.:15.00
                                        3rd Qu.:2.000
                                                         3rd Qu.:3.000
                                                                :9.000
##
    Max.
          :55.00
                                        Max.
                                               :9.000
                                                         Max.
##
    NA's
           :9433
                                        NA's
                                               :682
                                                         NA's
                                                                :680
##
          Q5
                           Q6
                                          Q6_t
                                                                Q7
##
    Min.
           :1.000
                    Min.
                          : 1.000
                                      Length: 10200
                                                         Min.
                                                                 :1.000
##
    1st Qu.:4.000
                    1st Qu.: 3.000
                                                          1st Qu.:2.000
                                      Class : character
    Median :4.000
                    Median: 7.000
                                      Mode :character
                                                         Median :2.000
         :3.822
                    Mean : 7.347
##
    Mean
                                                         Mean :2.004
##
    3rd Qu.:4.000
                    3rd Qu.:10.000
                                                          3rd Qu.:2.000
##
    Max.
          :9.000
                    Max.
                           :99.000
                                                         Max.
                                                                :9.000
##
    NA's
           :3728
                    NA's
                           :3729
                                                         NA's
                                                               :3728
##
          Q8
                           Q9
                                         Q9_t
                                                              Q10
##
           :1.000
                                                        Min.
    Min.
                    Min.
                           :1.000
                                     Length: 10200
                                                               : 1.00
##
    1st Qu.:1.000
                    1st Qu.:2.000
                                     Class : character
                                                         1st Qu.: 6.00
    Median :1.000
                    Median :2.000
                                                         Median: 8.00
##
                                     Mode :character
##
    Mean :1.201
                    Mean :2.005
                                                         Mean
                                                               :10.01
                    3rd Qu.:2.000
##
    3rd Qu.:1.000
                                                         3rd Qu.:11.00
##
    Max.
           :9.000
                    Max.
                           :9.000
                                                                :99.00
                                                         Max.
                                                                :3729
##
    NA's
           :3728
                    NA's
                           :3728
                                                         NA's
##
         Q11
                         Q12
                                        Q12 t
                                                              Q13
##
    Min.
         :1.000
                    Min. :1.000
                                     Length: 10200
                                                         Min.
                                                               :1.000
    1st Qu.:1.000
                    1st Qu.:1.000
                                     Class : character
                                                         1st Qu.:1.000
                                     Mode :character
  Median :1.000
##
                    Median :2.000
                                                        Median :1.000
```

```
Mean
          :1.054
                    Mean
                          :2.162
                                                       Mean
                                                             :1.705
   3rd Qu.:1.000
##
                    3rd Qu.:3.000
                                                       3rd Qu.:2.000
                    Max.
                          :9.000
                                                       Max.
##
   Max.
          :9.000
                                                             :9.000
           :3730
                          :3730
                                                       NA's
##
   NA's
                    NA's
                                                              :5993
##
        Q14
                      Q14_t
                                           Q15
                                                           Q16
##
                                      Min. :1.000
                                                      Min. :1.000
          :1.00
                  Length: 10200
   Min.
   1st Qu.:3.00
                   Class : character
                                      1st Qu.:1.000
                                                      1st Qu.:2.000
                   Mode :character
   Median:4.00
                                      Median :1.000
                                                      Median :2.000
##
##
   Mean :3.58
                                      Mean :1.918
                                                      Mean :2.025
##
   3rd Qu.:4.00
                                      3rd Qu.:2.000
                                                      3rd Qu.:2.000
   Max. :8.00
                                      Max.
                                            :9.000
                                                      Max. :9.000
##
   NA's
          :3730
                                      NA's
                                            :5641
                                                      NA's
                                                            :3730
##
      Q16_t
                            017
                                           Q18
                                                           Q19
##
   Length: 10200
                       Min.
                                                      Min.
                            :1.00
                                      Min.
                                            :1.000
                                                           :1.000
##
   Class :character
                       1st Qu.:1.00
                                      1st Qu.:4.000
                                                      1st Qu.:2.000
##
   Mode :character
                       Median:1.00
                                      Median :4.000
                                                      Median :3.000
##
                              :1.32
                                                      Mean
                                                           :3.526
                       Mean
                                      Mean
                                            :4.348
##
                       3rd Qu.:2.00
                                      3rd Qu.:4.000
                                                      3rd Qu.:3.000
                                                     Max.
##
                             :9.00
                                            :9.000
                                                            :9.000
                       Max.
                                      Max.
##
                       NA's
                              :3730
                                      NA's
                                            :3730
                                                      NA's
                                                             :3730
##
      Q20_m_1
                      Q20_m_2
                                      Q20_m_3
                                                     Q20_m_4
                                                                     Q20_m_5
   Min. :1.00
                   Min. :1.000
                                  Min. :1.00
                                                  Min. :1.000
                                                                  Min. :1.000
##
    1st Qu.:2.00
                   1st Qu.:2.000
                                   1st Qu.:2.00
                                                  1st Qu.:2.000
                                                                  1st Qu.:2.000
   Median:2.00
                   Median :2.000
                                  Median:2.00
                                                  Median :2.000
                                                                  Median :2.000
##
   Mean :1.97
##
                   Mean :1.978
                                  Mean :1.98
                                                  Mean :1.987
                                                                  Mean :1.988
   3rd Qu.:2.00
                   3rd Qu.:2.000
                                   3rd Qu.:2.00
                                                  3rd Qu.:2.000
                                                                  3rd Qu.:2.000
##
   Max. :2.00
                   Max. :2.000
                                         :2.00
                                                  Max. :2.000
                                                                  Max.
                                                                         :2.000
                                  Max.
   NA's
           :3681
                   NA's
                          :3681
                                         :3681
                                                  NA's
                                                         :3681
                                                                  NA's
##
                                   NA's
                                                                         :3681
##
       Q20_m_6
                       Q20_m_7
                                       Q20_m_8
                                                      Q20_7_t
   Min.
          :1.000
                    Min.
                         :1.000
                                         :1.000
                                                    Length: 10200
                                   Min.
##
   1st Qu.:2.000
                    1st Qu.:2.000
                                    1st Qu.:1.000
                                                    Class : character
##
   Median :2.000
                    Median :2.000
                                   Median :1.000
                                                    Mode :character
                    Mean :1.984
##
   Mean :1.972
                                   Mean :1.093
   3rd Qu.:2.000
                    3rd Qu.:2.000
                                    3rd Qu.:1.000
##
##
   Max.
         :2.000
                    Max. :2.000
                                    Max. :2.000
##
   NA's
           :3681
                    NA's
                          :3681
                                    NA's
                                         :3681
##
       Q21 m 1
                       Q21 m 2
                                       Q21 m 3
                                                       Q21 m 4
##
          :1.000
                         :1.000
                                   Min. :1.000
                                                    Min. :1.000
   Min.
                    Min.
                                                    1st Qu.:2.000
##
    1st Qu.:2.000
                    1st Qu.:2.000
                                    1st Qu.:2.000
                    Median :2.000
                                                    Median :2.000
##
   Median :2.000
                                   Median :2.000
   Mean :1.809
                    Mean :1.976
                                   Mean :1.983
                                                    Mean :1.988
##
   3rd Qu.:2.000
                    3rd Qu.:2.000
                                    3rd Qu.:2.000
                                                    3rd Qu.:2.000
         :2.000
                    Max. :2.000
                                    Max. :2.000
                                                    Max. :2.000
##
   Max.
##
   NA's
           :3681
                    NA's
                          :3681
                                    NA's :3681
                                                    NA's :3681
##
       Q21_m_5
                       Q21_m_6
                                       Q21_m_7
                                                       Q21_t
                                                    Length: 10200
##
          :1.000
                         :1.000
                                         :1.000
   Min.
                    Min.
                                   Min.
   1st Qu.:2.000
##
                    1st Qu.:2.000
                                    1st Qu.:1.000
                                                    Class : character
##
   Median :2.000
                    Median :2.000
                                    Median :1.000
                                                    Mode :character
   Mean
         :1.969
                    Mean :1.992
                                    Mean
                                         :1.234
##
   3rd Qu.:2.000
                    3rd Qu.:2.000
                                    3rd Qu.:1.000
##
   Max.
          :2.000
                         :2.000
                                          :2.000
                    Max.
                                   Max.
                    NA's
##
   NA's
           :3681
                         :3681
                                   NA's
                                           :3681
                        Q22_t
##
         Q22
                                             Q23
                                                          Q23 t
##
   Min. : 1.000
                    Length: 10200
                                       Min. :1.00
                                                       Length: 10200
```

```
1st Qu.: 2.000
                      Class : character
                                           1st Qu.:2.00
                                                           Class : character
##
    Median : 3.000
                      Mode : character
                                           Median :2.00
                                                           Mode : character
    Mean
                                                 :2.03
##
          : 3.288
                                           Mean
##
    3rd Qu.: 4.000
                                           3rd Qu.:2.00
##
    Max.
           :11.000
                                           Max.
                                                  :9.00
##
    NA's
           :7241
                                           NA's
                                                  :7240
         024
                                                                026
##
                        Q24_t
                                               025
##
    Min.
           :1.000
                     Length: 10200
                                          Min.
                                                 :1.000
                                                           Min.
                                                                  :1.00
##
    1st Qu.:2.000
                     Class : character
                                          1st Qu.:1.000
                                                           1st Qu.:1.00
##
    Median :2.000
                     Mode :character
                                          Median :2.000
                                                           Median:1.00
    Mean
          :2.027
                                          Mean
                                                :1.626
                                                           Mean
                                                                 :1.19
##
    3rd Qu.:2.000
                                          3rd Qu.:2.000
                                                           3rd Qu.:1.00
##
    Max.
           :9.000
                                          Max.
                                                 :9.000
                                                           Max.
                                                                  :9.00
    NA's
            :7240
                                          NA's
                                                 :7242
                                                                   :7240
##
                                                           NA's
##
         Q27
                                              Q28
                       Q27_t
                                                             Q28_t
##
    Min.
           :1.00
                    Length:10200
                                                :1.000
                                                          Length: 10200
                                         Min.
##
    1st Qu.:2.00
                    Class : character
                                         1st Qu.:1.000
                                                          Class : character
##
    Median:3.00
                    Mode : character
                                         Median :1.000
                                                          Mode : character
##
    Mean
          :3.29
                                         Mean
                                                :1.205
##
    3rd Qu.:4.00
                                         3rd Qu.:1.000
##
    Max
           :9.00
                                         Max.
                                                :9.000
##
    NA's
            :7647
                                         NA's
                                                :9146
##
         Q29
                                               Q30
                        Q29_t
                                                                Q31
##
    Min.
           :1.000
                     Length: 10200
                                         Min.
                                                 :2.000
                                                           Min.
                                                                  : 1.00
##
    1st Qu.:2.000
                     Class : character
                                          1st Qu.:4.000
                                                           1st Qu.: 8.00
    Median :2.000
                     Mode :character
                                          Median :4.000
                                                           Median :11.00
##
    Mean
          :2.871
                                                 :3.901
                                                                  :10.05
                                          Mean
                                                           Mean
    3rd Qu.:3.000
##
                                          3rd Qu.:4.000
                                                           3rd Qu.:11.00
##
           :9.000
                                                 :9.000
                                                                  :99.00
    Max.
                                          Max.
                                                           Max.
##
    NA's
            :9146
                                          NA's
                                                 :9146
                                                           NA's
                                                                   :9146
##
       Q31_t
                              Q32
                                             Q33_m_1
                                                              Q33_m_2
##
    Length: 10200
                        Min.
                                :1.000
                                          Min.
                                                 :1.000
                                                           Min.
                                                                  :1.000
##
    Class : character
                        1st Qu.:1.000
                                          1st Qu.:2.000
                                                           1st Qu.:2.000
##
                        Median :8.000
                                          Median :2.000
                                                           Median :2.000
    Mode :character
##
                        Mean
                                :4.843
                                                :1.991
                                                           Mean
                                                                  :1.995
                                          Mean
##
                        3rd Qu.:8.000
                                          3rd Qu.:2.000
                                                           3rd Qu.:2.000
##
                        Max.
                                :9.000
                                          Max.
                                                 :2.000
                                                           Max.
                                                                  :2.000
##
                        NA's
                                :9146
                                          NA's
                                                 :9556
                                                           NA's
                                                                   :9556
##
       Q33 m 3
                        Q33_m_4
                                          Q33_m_5
                                                           Q33_m_6
##
                                                               :1.000
    Min.
          :1.000
                            :1.000
                                              :1.000
                                                        Min.
                     \mathtt{Min}.
                                      Min.
    1st Qu.:2.000
                     1st Qu.:2.000
                                       1st Qu.:2.000
                                                        1st Qu.:2.000
##
    Median :2.000
                     Median :2.000
                                      Median :2.000
                                                        Median :2.000
##
    Mean
          :1.997
                     Mean
                            :1.998
                                      Mean
                                              :1.998
                                                        Mean
                                                               :1.991
##
    3rd Qu.:2.000
                     3rd Qu.:2.000
                                       3rd Qu.:2.000
                                                        3rd Qu.:2.000
##
    Max.
            :2.000
                     Max.
                             :2.000
                                      Max.
                                              :2.000
                                                        Max.
                                                               :2.000
    NA's
                                              :9556
                                                        NA's
##
            :9556
                     NA's
                             :9556
                                      NA's
                                                               :9556
##
       Q33_m_7
                        Q33_t
                                               Q34
                                                                Q35
##
    Min.
            :1.000
                     Length: 10200
                                          Min.
                                                 :1.000
                                                           Min.
                                                                   :1.000
                                                           1st Qu.:1.000
##
    1st Qu.:1.000
                     Class : character
                                          1st Qu.:3.000
##
    Median :1.000
                     Mode :character
                                          Median :4.000
                                                           Median :1.000
##
    Mean
           :1.025
                                          Mean
                                                 :3.491
                                                                   :1.171
                                                           Mean
##
    3rd Qu.:1.000
                                          3rd Qu.:4.000
                                                           3rd Qu.:1.000
##
    Max.
           :2.000
                                         Max.
                                                 :9.000
                                                           Max.
                                                                   :9.000
##
    NA's
            :9556
                                          NA's
                                                 :7242
                                                           NA's
                                                                   :7242
```

```
##
       Q36 m 1
                       Q36 m 2
                                        Q36_m_3
                                                        Q36 m 4
##
    Min.
          :1.000
                          :1.000
                                          :1.000
                                                     Min. :1.000
                    Min.
                                     Min.
                    1st Qu.:2.000
                                     1st Qu.:1.000
##
    1st Qu.:2.000
                                                     1st Qu.:1.000
    Median :2.000
                    Median :2.000
                                     Median :2.000
                                                     Median :2.000
##
##
    Mean :1.863
                    Mean :1.775
                                     Mean :1.664
                                                     Mean :1.629
##
    3rd Qu.:2.000
                    3rd Qu.:2.000
                                     3rd Qu.:2.000
                                                     3rd Qu.:2.000
##
    Max.
          :2.000
                    Max.
                           :2.000
                                     Max.
                                           :2.000
                                                           :2.000
                                                     Max.
    NA's
           :7223
                    NA's
                           :7223
                                     NA's
                                           :7223
                                                     NA's
##
                                                           :7223
##
      Q36_m_t
                          Q37_m_1
                                           Q37_m_2
                                                            Q37_m_3
##
                       Min. :1.000
    Length: 10200
                                        Min.
                                               :1.000
                                                        Min. :1.000
    Class : character
                       1st Qu.:2.000
                                        1st Qu.:2.000
                                                        1st Qu.:1.000
##
    Mode :character
                       Median :2.000
                                        Median :2.000
                                                        Median :2.000
##
                       Mean
                              :1.811
                                        Mean
                                              :1.838
                                                        Mean
                                                               :1.515
##
                                                        3rd Qu.:2.000
                       3rd Qu.:2.000
                                        3rd Qu.:2.000
##
                       Max.
                              :2.000
                                        Max.
                                               :2.000
                                                        Max.
                                                               :2.000
##
                       NA's
                              :8325
                                        NA's
                                               :8325
                                                        NA's
                                                                :8325
##
                       Q37_m_5
                                        Q37_m_6
                                                        Q37_m_7
       Q37_m_4
##
    Min.
          :1.000
                    Min. :1.000
                                           :1.000
                                                            :1.000
                                     Min.
                                                     Min.
    1st Qu.:1.000
                    1st Qu.:1.000
                                     1st Qu.:2.000
                                                     1st Qu.:1.000
##
##
    Median :2.000
                    Median :2.000
                                     Median :2.000
                                                     Median :2.000
##
    Mean
          :1.563
                    Mean
                           :1.593
                                     Mean
                                           :1.932
                                                     Mean
                                                            :1.634
##
    3rd Qu.:2.000
                    3rd Qu.:2.000
                                     3rd Qu.:2.000
                                                     3rd Qu.:2.000
                                     Max.
##
    Max.
           :2.000
                    Max.
                           :2.000
                                            :2.000
                                                            :2.000
                                                     Max.
##
    NA's
           :8325
                    NA's
                           :8325
                                     NA's
                                           :8325
                                                     NA's
                                                            :8325
##
                                                            Q38 m 1
       Q37 m 8
                       Q37_m_9
                                        Q37H t
    Min.
          :1.000
                    Min.
                          :1.000
                                     Length: 10200
                                                        Min. :1.000
##
    1st Qu.:2.000
                    1st Qu.:2.000
                                     Class : character
                                                        1st Qu.:1.000
    Median :2.000
                    Median :2.000
                                                        Median :1.000
##
                                     Mode : character
##
    Mean
          :1.979
                    Mean
                          :1.945
                                                        Mean
                                                               :1.474
                    3rd Qu.:2.000
                                                        3rd Qu.:2.000
##
    3rd Qu.:2.000
##
    Max.
           :2.000
                    Max.
                           :2.000
                                                        Max.
                                                                :2.000
##
    NA's
           :8325
                    NA's
                            :8325
                                                        NA's
                                                               :10181
##
       Q38_m_2
                       Q38_m_3
                                        Q38_m_4
                                                        Q38_m_5
          :1.00
##
    Min.
                    Min. :2
                                     Min. :1.000
                                                     Min. :1.000
##
    1st Qu.:2.00
                    1st Qu.:2
                                     1st Qu.:1.000
                                                     1st Qu.:1.500
##
    Median:2.00
                    Median :2
                                     Median :2.000
                                                     Median :2.000
##
    Mean :1.79
                    Mean :2
                                     Mean :1.579
                                                     Mean :1.737
##
    3rd Qu.:2.00
                    3rd Qu.:2
                                     3rd Qu.:2.000
                                                     3rd Qu.:2.000
##
    Max.
           :2.00
                    Max.
                           :2
                                     Max.
                                            :2.000
                                                     Max.
                                                            :2.000
                                                     NA's
    NA's
                    NA's
                                     NA's
                                           :10181
##
           :10181
                           :10181
                                                            :10181
##
                                        Q38 m 8
       Q38 m 6
                       Q38 m 7
                                                        Q38 m 9
##
          :1.000
                          :2
                                           :1.000
                                                     Min.
    Min.
                    Min.
                                     Min.
                                                            :2
    1st Qu.:2.000
                                     1st Qu.:2.000
                                                     1st Qu.:2
##
                    1st Qu.:2
##
    Median :2.000
                                     Median :2.000
                                                     Median :2
                    Median :2
                          :2
    Mean
          :1.947
                    Mean
                                     Mean
                                           :1.947
                                                     Mean
                                                            :2
##
    3rd Qu.:2.000
                    3rd Qu.:2
                                     3rd Qu.:2.000
                                                     3rd Qu.:2
##
    Max.
           :2.000
                    Max.
                           :2
                                     Max.
                                            :2.000
                                                     Max.
                                                             :2
##
    NA's
           :10181
                    NA's
                            :10181
                                     NA's
                                            :10181
                                                     NA's
                                                             :10181
##
       Q38H_t
                            039
                                             Q40
                                                             041
                                        Min.
##
    Length: 10200
                       Min.
                              :1.000
                                               :1.000
                                                        Min.
                                                               :1.000
##
                       1st Qu.:1.000
                                                        1st Qu.:1.000
    Class : character
                                        1st Qu.:1.000
##
    Mode :character
                       Median :1.000
                                        Median :1.000
                                                        Median :1.000
##
                       Mean :1.429
                                        Mean :1.627
                                                        Mean :1.744
##
                       3rd Qu.:2.000
                                        3rd Qu.:2.000
                                                        3rd Qu.:2.000
```

```
##
                             :9.000
                                     Max.
                                            :9.000
                                                     Max.
                                                            :9.000
                      Max.
                                                     NA's :2
##
                      NA's
                            :768
                                     NA's :1
##
        042
                        Q43A
                                       Q43B
                                                     Q44 m 1
                   Min. :1.000
##
   Min. :1.000
                                  Min. :1.000
                                                  Min. :1.000
##
   1st Qu.:1.000
                   1st Qu.:1.000
                                  1st Qu.:1.000
                                                  1st Qu.:1.000
##
   Median :2.000
                   Median :2.000
                                  Median :2.000
                                                  Median :2.000
   Mean :2.104
                   Mean :1.855
                                  Mean :2.121
                                                  Mean :1.625
   3rd Qu.:2.000
                   3rd Qu.:2.000
                                  3rd Qu.:3.000
##
                                                  3rd Qu.:2.000
##
   Max. :9.000
                   Max. :7.000
                                  Max. :7.000
                                                  Max. :2.000
##
   NA's :1
                   NA's :2
                                  NA's :1
##
    Q44_m_2
                      Q44_m_3
                                   Q44_m_4
                                                   Q44_m_5
                                                  Min. :1.000
##
   Min. :1.000
                   Min. :1.000
                                  Min. :1.000
##
   1st Qu.:1.000
                   1st Qu.:2.000
                                  1st Qu.:1.000
                                                  1st Qu.:1.000
##
   Median :2.000
                   Median :2.000
                                  Median :2.000
                                                  Median :2.000
##
   Mean :1.731
                   Mean :1.751
                                  Mean :1.698
                                                  Mean :1.608
##
   3rd Qu.:2.000
                   3rd Qu.:2.000
                                   3rd Qu.:2.000
                                                  3rd Qu.:2.000
##
   Max. :2.000
                   Max. :2.000
                                  Max. :2.000
                                                  Max. :2.000
##
                                                                   \mathtt{Q44\_m\_10}
##
      Q44_m_6
                      Q44_m_7
                                     Q44_m_8
                                                    Q44_m_9
                   Min. :1.000
                                  Min. :1.00
                                                 Min. :1.000
                                                                 Min. :1.000
##
   Min. :1.000
##
   1st Qu.:1.000
                   1st Qu.:2.000
                                   1st Qu.:2.00
                                                 1st Qu.:2.000
                                                                 1st Qu.:2.000
   Median :2.000
                   Median :2.000
                                  Median:2.00
                                                 Median :2.000
                                                                 Median :2.000
   Mean :1.739
                   Mean :1.823
                                  Mean :1.83
                                                 Mean :1.889
##
                                                                 Mean :1.945
   3rd Qu.:2.000
                   3rd Qu.:2.000
                                  3rd Qu.:2.00
                                                 3rd Qu.:2.000
                                                                 3rd Qu.:2.000
##
##
   Max. :2.000
                   Max. :2.000
                                  Max. :2.00
                                                 Max. :2.000
                                                                 Max. :2.000
##
##
      Q44_m_11
                    Q44_m_12
                                       Q45A
                                                       Q45B
                   Min. :1.000
                                  Min. :1.000
                                                  Min. :1.000
##
   Min. :1.000
                                                  1st Qu.:1.000
   1st Qu.:2.000
                   1st Qu.:1.000
                                   1st Qu.:1.000
   Median :2.000
                   Median :2.000
                                  Median :2.000
                                                  Median :2.000
   Mean :1.838
##
                   Mean :1.701
                                  Mean :1.785
                                                  Mean :2.063
##
   3rd Qu.:2.000
                   3rd Qu.:2.000
                                   3rd Qu.:2.000
                                                  3rd Qu.:3.000
                                  Max. :5.000
##
   Max. :2.000
                   Max. :2.000
                                                  Max. :5.000
##
                                  NA's :1
##
        Q45C
                        Q45D
                                   Q45E
                                                      Q45F
                                                  Min. :1.000
##
   Min. :1.000
                   Min. :1.000
                                  Min. :1.000
   1st Qu.:2.000
                   1st Qu.:1.000
                                   1st Qu.:1.000
                                                  1st Qu.:1.000
##
   Median :3.000
                   Median :2.000
                                  Median :2.000
                                                  Median :2.000
##
   Mean :2.569
                   Mean :1.824
                                  Mean :1.773
                                                  Mean :1.915
##
   3rd Qu.:3.000
                   3rd Qu.:2.000
                                  3rd Qu.:2.000
                                                  3rd Qu.:3.000
   Max. :5.000
                   Max. :5.000
                                  Max. :5.000
                                                  Max. :5.000
   NA's :1
##
                                  NA's :1
                                                  NA's :3
        Q45G
                        Q45H
                                     Q45I
##
                                                  Q45J
##
         :1.000
                   Min. :1.000
                                  Min. :1.000
                                                  Min. :1.000
   Min.
   1st Qu.:1.000
                   1st Qu.:1.000
                                   1st Qu.:1.000
                                                  1st Qu.:2.000
   Median :2.000
##
                   Median :2.000
                                  Median :2.000
                                                  Median :2.000
##
   Mean :2.052
                   Mean :2.006
                                  Mean :2.102
                                                  Mean :2.337
   3rd Qu.:3.000
                   3rd Qu.:3.000
                                   3rd Qu.:3.000
                                                  3rd Qu.:3.000
##
   Max. :5.000
                   Max. :5.000
                                  Max. :5.000
                                                  Max. :5.000
                        :1
##
                   NA's
                                  NA's
                                        :2
                                                  NA's
                                                       :2
##
        Q45K
                        Q46A
                                     Q46B
                                                       Q46C
##
   Min. :1.000
                   Min. :1.000
                                  Min. :1.000
                                                  Min. :1.000
                                                  1st Qu.:3.000
   1st Qu.:1.000
                   1st Qu.:3.000
                                  1st Qu.:3.000
## Median :2.000
                   Median :4.000
                                  Median :4.000
                                                  Median :4.000
```

```
:1.986
                   Mean :4.242
                                        :4.312
                                                 Mean :4.266
   Mean
                                  Mean
##
   3rd Qu.:3.000
                   3rd Qu.:4.000
                                  3rd Qu.:4.000
                                                 3rd Qu.:4.000
                                                 Max. :9.000
   Max.
        :5.000
                   Max. :9.000
                                  Max. :9.000
          :2
##
   NA's
##
        Q46D
                       Q46E
                                      Q46F
                                                     Q46G
                                                 Min. :1.000
##
                   Min. :1.000
                                  Min. :1.000
         :1.000
   Min.
                   1st Qu.:3.000
                                  1st Qu.:3.000
                                                 1st Qu.:3.000
   1st Qu.:3.000
##
   Median :4.000
                   Median :4.000
                                  Median :4.000
                                                 Median :4.000
##
   Mean :4.092
                   Mean :4.138
                                  Mean :4.554
                                                 Mean :4.601
##
   3rd Qu.:4.000
                   3rd Qu.:4.000
                                  3rd Qu.:4.000
                                                  3rd Qu.:4.000
   Max. :9.000
                   Max. :9.000
                                  Max. :9.000
                                                 Max. :9.000
   NA's :1
                                                 NA's :1
##
##
    Q46H
                      Q46I
                                     Q46J
                                                  Q47A
                                                 Min. :1.000
                   Min. :1.000
                                  Min. :1.000
##
   Min. :1.000
   1st Qu.:3.000
                   1st Qu.:3.000
                                  1st Qu.:3.000
                                                 1st Qu.:2.000
##
##
   Median :4.000
                   Median :4.000
                                  Median :4.000
                                                 Median :3.000
   Mean :4.338
##
                   Mean :4.343
                                  Mean :4.421
                                                 Mean :2.963
    3rd Qu.:4.000
                   3rd Qu.:4.000
                                  3rd Qu.:4.000
                                                  3rd Qu.:4.000
   Max. :9.000
                   Max. :9.000
                                  Max. :9.000
                                                 Max. :4.000
##
##
##
       Q47B
                       Q47C
                                     Q47D
                                                   Q47E
   Min. :1.000
                   Min. :1.000
                                  Min. :1.000
                                                 Min. :1.000
##
   1st Qu.:3.000
                   1st Qu.:2.000
                                  1st Qu.:1.000
                                                 1st Qu.:1.000
##
                                  Median :2.000
   Median :4.000
                                                 Median :2.000
##
                   Median :3.000
##
   Mean :3.261
                   Mean :3.006
                                  Mean :2.148
                                                 Mean :2.186
   3rd Qu.:4.000
                   3rd Qu.:4.000
                                  3rd Qu.:3.000
                                                 3rd Qu.:3.000
##
   Max. :4.000
                   Max. :4.000
                                  Max. :4.000
                                                 Max. :4.000
##
##
      Q47F
                       Q47G
                                      Q47H
                                                     Q47I
                                                                    Q47J
                   Min. :1.00
##
   Min. :1.000
                                 Min. :1.000
                                                 Min. :1.000
                                                                Min. :1.00
##
   1st Qu.:1.000
                   1st Qu.:1.00
                                 1st Qu.:2.000
                                                 1st Qu.:1.000
                                                                1st Qu.:1.00
##
   Median :1.000
                   Median:2.00
                                 Median :2.000
                                                 Median :2.000
                                                                Median:2.00
   Mean :1.691
                   Mean :1.72
                                 Mean :2.364
                                                 Mean :1.814
                                                                Mean :1.95
                   3rd Qu.:2.00
##
   3rd Qu.:2.000
                                 3rd Qu.:3.000
                                                 3rd Qu.:2.000
                                                                3rd Qu.:2.00
##
   Max. :4.000
                   Max. :4.00
                                 Max. :4.000
                                                 Max. :4.000
                                                                Max. :4.00
##
                   NA's :1
                                                 NA's :1
##
        Q47K
                       Q47L
                                     Q47M
                                                      Q48
##
   Min. :1.000
                   Min. :1.000
                                  Min. :1.000
                                                 Min. :1.000
   1st Qu.:1.000
                   1st Qu.:2.000
                                  1st Qu.:2.000
                                                 1st Qu.:2.000
##
                   Median :3.000
                                  Median :3.000
##
   Median :2.000
                                                 Median :2.000
   Mean :1.841
                   Mean :2.656
                                  Mean :2.591
                                                 Mean :1.759
   3rd Qu.:2.000
                   3rd Qu.:3.000
                                  3rd Qu.:3.000
                                                 3rd Qu.:2.000
##
                   Max. :4.000
##
   Max. :4.000
                                  Max. :4.000
                                                 Max. :2.000
##
   NA's :1
                       Q49A
                                       Q49B
                                                      Q49C
##
        Q49
                   Min. :1.000
                                  Min. :1.000
                                                 Min. :1.000
##
   Min. :1.000
##
   1st Qu.:1.000
                   1st Qu.:2.000
                                  1st Qu.:1.000
                                                 1st Qu.:1.000
##
   Median :1.000
                   Median :2.000
                                  Median :1.000
                                                 Median :1.000
   Mean :1.029
                   Mean :1.975
                                  Mean :1.018
                                                 Mean :1.096
##
   3rd Qu.:1.000
                   3rd Qu.:2.000
                                  3rd Qu.:1.000
                                                 3rd Qu.:1.000
##
   Max. :3.000
                        :3.000
                                  Max. :3.000
                                                 Max. :3.000
                   Max.
                   NA's :247
                                  NA's :248
                                                 NA's :247
##
                       Q50A
##
        Q50
                                       Q50B
                                                      N51
##
   Min. :1.000
                   Min. :1.000
                                  Min. :1.000
                                                 Min. :1.000
```

```
1st Qu.:1.000
                   1st Qu.:2.000
                                   1st Qu.:1.000
                                                   1st Qu.:1.000
##
   Median :1.000
                   Median :2.000
                                   Median :1.000
                                                   Median :1.000
                   Mean :1.894
                                   Mean :1.035
                                                   Mean :1.228
   Mean :1.482
##
   3rd Qu.:2.000
                   3rd Qu.:2.000
                                   3rd Qu.:1.000
                                                   3rd Qu.:1.000
##
   Max. :3.000
                   Max.
                          :3.000
                                   Max.
                                         :3.000
                                                   Max. :3.000
                   NA's
##
                          :4853
                                   NA's
                                          :4855
##
   Q52a Q52m m 1
                   Q52a Q52m m 2
                                   Q52a Q52m m 3
                                                   Q52a Q52m m 4
                                                   Min. :1.000
##
   Min. :1.000
                   Min. :1.000
                                   Min. :1.000
##
   1st Qu.:2.000
                   1st Qu.:2.000
                                   1st Qu.:2.000
                                                   1st Qu.:2.000
##
   Median :2.000
                   Median :2.000
                                   Median :2.000
                                                   Median :2.000
   Mean :1.903
                   Mean :1.939
                                   Mean :1.935
                                                   Mean :1.988
##
   3rd Qu.:2.000
                   3rd Qu.:2.000
                                   3rd Qu.:2.000
                                                   3rd Qu.:2.000
##
   Max. :2.000
                   Max. :2.000
                                   Max. :2.000
                                                   Max. :2.000
##
##
   Q52a_Q52m_m_5
                   Q52a_Q52m_m_6
                                   Q52a_Q52m_m_7
                                                   Q52a_Q52m_m_8
##
   Min.
         :1.000
                   Min. :1.000
                                   Min. :1.000
                                                   Min. :1.000
##
   1st Qu.:2.000
                   1st Qu.:2.000
                                   1st Qu.:2.000
                                                   1st Qu.:2.000
##
   Median :2.000
                   Median :2.000
                                   Median :2.000
                                                   Median :2.000
##
   Mean :1.956
                   Mean :1.979
                                   Mean :1.936
                                                   Mean :1.982
##
   3rd Qu.:2.000
                   3rd Qu.:2.000
                                   3rd Qu.:2.000
                                                   3rd Qu.:2.000
##
   Max. :2.000
                   Max. :2.000
                                   Max. :2.000
                                                   Max. :2.000
##
##
                   Q52a_Q52m_m_10 Q52a_Q52m_m_11
   Q52a_Q52m_m_9
                                                  Q52a_Q52m_m_12
                                                                  Q52a Q52m m 13
                   Min. :1.00
                                                                  Min. :1.000
##
   Min. :1.000
                                  Min. :1.000
                                                  Min. :1.000
##
   1st Qu.:2.000
                   1st Qu.:1.00
                                  1st Qu.:2.000
                                                  1st Qu.:2.000
                                                                  1st Qu.:2.000
   Median :2.000
                   Median:2.00
                                  Median :2.000
                                                  Median :2.000
                                                                  Median :2.000
##
   Mean :1.921
                   Mean :1.59
                                  Mean :1.914
                                                  Mean :1.842
                                                                  Mean :1.961
   3rd Qu.:2.000
                   3rd Qu.:2.00
                                                                  3rd Qu.:2.000
##
                                  3rd Qu.:2.000
                                                  3rd Qu.:2.000
##
   Max. :2.000
                                                  Max. :2.000
                   Max. :2.00
                                  Max. :2.000
                                                                  Max. :2.000
##
##
   Q52a_Q52m_m_14
                       Q52_a
                                       Q52_b
                                                       Q52_c
##
   Min. :1.000
                   Min.
                         :1.000
                                   Min. :1.000
                                                   Min.
                                                        :1.000
##
   1st Qu.:1.000
                    1st Qu.:1.000
                                   1st Qu.:1.000
                                                   1st Qu.:1.000
   Median :2.000
                   Median :1.000
                                   Median :1.000
                                                   Median :1.000
##
##
   Mean :1.688
                   Mean :1.404
                                   Mean :1.047
                                                   Mean :1.094
##
   3rd Qu.:2.000
                   3rd Qu.:2.000
                                   3rd Qu.:1.000
                                                   3rd Qu.:1.000
##
   Max. :2.000
                   Max.
                          :2.000
                                   Max.
                                        :2.000
                                                   Max. :2.000
##
                   NA's
                         :9225
                                   NA's :9586
                                                   NA's :9550
                                                       Q52_g
##
       Q52 d
                       Q52_e
                                       Q52_f
##
   Min. :1.000
                   Min. :1.000
                                   Min. :1.000
                                                   Min. :1.000
   1st Qu.:1.000
                   1st Qu.:1.000
                                   1st Qu.:1.000
                                                   1st Qu.:1.000
##
   Median :1.000
                   Median :1.000
                                   Median :1.000
                                                   Median :1.000
                   Mean :1.113
##
   Mean :1.355
                                   Mean :1.167
                                                   Mean :1.074
##
   3rd Qu.:2.000
                   3rd Qu.:1.000
                                   3rd Qu.:1.000
                                                   3rd Qu.:1.000
                                          :2.000
                          :2.000
   Max.
          :2.000
                   Max.
                                   Max.
                                                   Max.
                                                         :2.000
   NA's
                          :9756
                                         :9985
                                                   NA's
##
          :10079
                   NA's
                                   NA's
                                                         :9550
##
       Q52 h
                       Q52_i
                                       Q52_j
                                                       Q52_k
                                                                       Q52 1
##
   Min.
          :1.000
                   Min. :1.000
                                   Min. :1.000
                                                   Min. :1.000
                                                                   Min. :1.00
   1st Qu.:1.000
                   1st Qu.:1.000
                                   1st Qu.:2.000
                                                   1st Qu.:1.000
                                                                   1st Qu.:1.00
##
   Median :1.000
                   Median :1.000
                                   Median :2.000
                                                   Median :1.000
                                                                   Median:1.00
##
   Mean
          :1.097
                   Mean
                          :1.342
                                   Mean
                                          :1.843
                                                   Mean
                                                          :1.153
                                                                   Mean
                                                                         :1.04
   3rd Qu.:1.000
                                   3rd Qu.:2.000
                                                   3rd Qu.:1.000
                                                                   3rd Qu.:1.00
##
                   3rd Qu.:2.000
##
   Max.
          :2.000
                   Max.
                          :2.000
                                   Max.
                                          :2.000
                                                   Max.
                                                          :2.000
                                                                   Max. :2.00
##
   NA's
          :10014
                   NA's
                          :9392
                                   NA's
                                          :6040
                                                   NA's
                                                          :9327
                                                                   NA's
                                                                          :8595
```

```
##
        Q52 m
                        inputzip
                                        marstat
                                                         child18
                                                                          emplov
##
    Min.
           :1.000
                           : 1001
                                             :1.000
                                                             :1.00
                                                                             :1.000
                    Min.
                                     Min.
                                                      Min.
                                                                      Min.
    1st Qu.:1.000
                    1st Qu.:24017
                                     1st Qu.:1.000
                                                      1st Qu.:2.00
                                                                      1st Qu.:1.000
    Median :1.000
                    Median :51028
                                     Median :3.000
                                                      Median:2.00
                                                                      Median :3.000
##
    Mean
          :1.099
                    Mean
                            :50071
                                     Mean
                                             :2.735
                                                      Mean
                                                             :1.78
                                                                      Mean
                                                                             :3.404
##
    3rd Qu.:1.000
                    3rd Qu.:75250
                                     3rd Qu.:5.000
                                                      3rd Qu.:2.00
                                                                      3rd Qu.:5.000
##
    Max.
           :2.000
                    Max.
                            :99901
                                            :6.000
                                                      Max.
                                                             :2.00
                                                                      Max.
                                                                             :9.000
    NA's
           :9807
##
                                             pid3
##
      employ_t
                          faminc new
                                                            pid3_t
##
                             : 1.00
    Length: 10200
                        Min.
                                        Min.
                                                :1.000
                                                         Length: 10200
    Class : character
                        1st Qu.: 4.00
                                        1st Qu.:1.000
                                                         Class : character
                        Median: 7.00
                                        Median :2.000
                                                         Mode :character
##
    Mode :character
##
                        Mean
                               :14.98
                                        Mean
                                                :2.051
##
                        3rd Qu.:11.00
                                        3rd Qu.:3.000
##
                        Max.
                               :97.00
                                        Max.
                                                :5.000
##
##
         pid7
                         ideo5
                                        newsint
                                                      presvote16post
    Min.
           :1.000
                    Min.
                            :1.000
                                     Min.
                                            :1.000
                                                      Min.
                                                             :1.000
    1st Qu.:1.000
                    1st Qu.:2.000
                                     1st Qu.:1.000
                                                      1st Qu.:1.000
##
##
    Median :3.000
                    Median :3.000
                                     Median :1.000
                                                      Median :2.000
##
    Mean
           :3.718
                    Mean
                            :3.067
                                     Mean
                                            :1.749
                                                      Mean
                                                             :2.894
##
    3rd Qu.:6.000
                    3rd Qu.:4.000
                                     3rd Qu.:2.000
                                                      3rd Qu.:4.000
           :8.000
##
    Max.
                    Max.
                            :6.000
                                     Max.
                                            :7.000
                                                      Max.
                                                             :7.000
##
                        turnout20post presvote20post presvote20post t
##
    presvote16post t
   Length: 10200
                        Min.
                               :1.00
                                       Min.
                                              :1.000
                                                        Length: 10200
##
    Class : character
                        1st Qu.:1.00
                                       1st Qu.:1.000
                                                        Class : character
                        Median:1.00
                                       Median :2.000
##
    Mode :character
                                                        Mode :character
##
                        Mean
                               :1.14
                                       Mean
                                              :2.179
##
                                       3rd Qu.:2.000
                        3rd Qu.:1.00
##
                        Max.
                               :2.00
                                       Max.
                                               :6.000
##
##
    pew_bornagain
                     pew_religimp
                                      pew_churatd
                                                        pew_prayer
    Min. :1.000
                    Min. :1.000
                                     Min. :1.000
                                                      Min. :1.000
##
                    1st Qu.:1.000
##
    1st Qu.:1.000
                                     1st Qu.:3.000
                                                      1st Qu.:1.000
##
    Median :2.000
                    Median :2.000
                                     Median :5.000
                                                      Median :3.000
##
    Mean
          :1.719
                    Mean :2.347
                                     Mean
                                           :4.304
                                                      Mean
                                                             :3.939
##
    3rd Qu.:2.000
                    3rd Qu.:4.000
                                     3rd Qu.:6.000
                                                      3rd Qu.:6.000
##
    Max.
           :2.000
                    Max.
                            :4.000
                                     Max.
                                            :7.000
                                                      Max.
                                                              :8.000
    NA's
##
           :1
                                                      NA's
                                                              :1
       religpew
                     religpew t
                                        relignew_protestant relignew_protestant_t
##
##
    Min.
          : 1.00
                    Length: 10200
                                        Min. : 1.00
                                                             Length: 10200
    1st Qu.: 1.00
                    Class : character
                                        1st Qu.: 2.00
                                                             Class : character
##
    Median: 2.00
                    Mode :character
                                        Median: 3.00
                                                             Mode :character
    Mean
          : 5.46
                                        Mean
                                                :16.34
    3rd Qu.:11.00
                                        3rd Qu.: 7.00
##
##
    Max.
          :12.00
                                        Max.
                                                :90.00
##
                                        NA's
                                                :5604
                                         race
##
       birthyr
                        gender
                                                      race_other
##
    Min.
           :1928
                   Min.
                           :1.000
                                    Min.
                                           :1.000
                                                     Length: 10200
##
    1st Qu.:1958
                   1st Qu.:1.000
                                    1st Qu.:1.000
                                                     Class : character
   Median:1969
                                    Median :1.000
                                                     Mode :character
##
                   Median :2.000
##
    Mean :1971
                   Mean :1.541
                                    Mean :1.452
    3rd Qu.:1985
                   3rd Qu.:2.000
                                    3rd Qu.:1.000
```

```
## Max. :2006 Max. :2.000 Max. :8.000
##
      hispanic
##
                     educ
                                 votereg
                                             inputstate
  Min. :1.000 Min. :1.000 Min. :1 Min. : 1.00
##
##
   1st Qu.:2.000 1st Qu.:2.000
                               1st Qu.:1
                                          1st Qu.:16.00
##
   Median :2.000 Median :4.000 Median :1 Median :29.00
   Mean :1.931 Mean :3.794 Mean :1 Mean :28.96
   3rd Qu.:2.000 3rd Qu.:5.000
                                3rd Qu.:1
                                           3rd Qu.:42.00
##
##
   Max. :2.000 Max. :6.000 Max. :1 Max. :56.00
##
##
    starttime
                                 endtime
                             Min. :2024-11-06 19:57:29
## Min. :2024-11-06 19:44:47
                              1st Qu.:2024-11-10 11:31:28
   1st Qu.:2024-11-10 10:09:11
                             Median :2024-11-13 08:03:32
## Median :2024-11-13 05:19:49
## Mean
         :2024-11-13 12:52:57
                              Mean :2024-11-13 15:31:01
   3rd Qu.:2024-11-15 18:39:46
                              3rd Qu.:2024-11-15 21:05:00
##
   Max. :2024-11-27 16:02:47
                              Max. :2024-11-27 16:23:37
##
table(spae_spss$Q1)
##
##
         2
            3
                  4
                      5 6
     1
## 428 122 130
                34 54 9432
table(spae_spss$pid3)
##
##
        2 3
                  4
                       5
     1
## 3945 2832 2678 443 302
spae_spss %>%
tabyl(Q1)
##
  Q1
      n
             percent
    1 428 0.041960784
##
##
    2 122 0.011960784
##
   3 130 0.012745098
##
      34 0.003333333
##
    5 54 0.005294118
    6 9432 0.924705882
spae spss %>%
tabyl(pid3)
## pid3 n percent
      1 3945 0.38676471
##
##
      2 2832 0.27764706
##
      3 2678 0.26254902
##
    4 443 0.04343137
    5 302 0.02960784
##
```

Step 3: Learn how to take advantage of SPSS labels using the "sjlabelled" package.

You will want to install the "sjlabelled" package if it is not already installed.

```
library(sjlabelled)
```

```
##
## Attaching package: 'sjlabelled'
## The following objects are masked from 'package:haven':
##
##
       as_factor, read_sas, read_spss, read_stata, write_sas, zap_labels
  The following object is masked from 'package:forcats':
##
##
       as_factor
##
  The following object is masked from 'package:dplyr':
##
##
       as_label
  The following object is masked from 'package:ggplot2':
##
##
       as_label
  The following object is masked from 'package:usethis':
##
##
##
       tidy_labels
table(as_label(spae_spss$Q1))
##
```

```
##
              I did not vote in the election this November
##
##
              I thought about voting this time, but didn't
##
                      I usually vote, but didn't this time
##
##
      I tried to vote, but was not allowed to when I tried
##
##
   I tried to vote, but it ended up being too much trouble
##
##
##
       I definitely voted in the November General Election
##
                                                        9432
##
                                                     skipped
##
##
                                                   not asked
##
                                                           0
```

```
table(as_label(spae_spss$pid3))
##
##
                Republican Independent
                                               Other
                                                        Not sure
      Democrat
                                                                      skipped
##
          3945
                       2832
                                                 443
                                                             302
     not asked
##
##
# spae spss %>%
    tabyl(as_label(spae_spss$Q1))
#
# spae_spss %>%
   tabyl(as_label(spae_spss$pid3))
```

Step 4: Learn how to use survey weights in R

R has a package called "survey" that allows you to use survey weights. There is also a package called "srcvyr" that allows you to use the "dplyr" syntax with survey weights.

Finally, there is a package called "gtsummary" that recognizes "survey weighted objects", which means you can make nice tables with survey weighted data.

You should install these if you do not already have them.

Documentation for using survey data in R is provided at https://tidy-survey-r.github.io/tidy-survey-book/

```
library(survey)
```

```
## Loading required package: grid
## Loading required package: Matrix
##
## Attaching package: 'Matrix'
## The following objects are masked from 'package:tidyr':
##
##
       expand, pack, unpack
## Loading required package: survival
##
## Attaching package: 'survey'
## The following object is masked from 'package:graphics':
##
##
       dotchart
library(srvyr)
```

```
##
## Attaching package: 'srvyr'
## The following object is masked from 'package:stats':
##
##
       filter
library(gtsummary)
# Convert all
              columns which are "labeled" as factors since these will display
# better in tables in R.
spae_spss <- spae_spss %>%
  mutate(across(
    where(haven::is.labelled),
    ~ haven::as_factor(.x, levels = "labels")
  ))
# This alternative method converts only specific columns to factors
# spae_spss <- spae_spss %>%
   mutate(
     Q1 = haven::as_factor(Q1, levels = "labels"),
     pid3 = haven::as_factor(pid3, levels = "labels")
#
# Create a survey design object
spae_spss_design <- spae_spss %>%
 as_survey_design(weights = weight_stacked)
# Create a survey weighted table using gtsummary
# spae_spss_design %>%
  tabyl(., Q1)
spae_spss_design %>%
  select(Q1) %>%
 tbl_svysummary(.)
spae_spss_design %>%
  select(pid3) %>%
tbl_svysummary(.)
# Now show how you can do this in one pipe without creating a separate object
spae_spss %>% as_survey_design(., weights = weight_stacked) %>%
 tbl_svysummary(include =Q1) %>%
  modify_header(label ~ "**PID3**") %>%
  modify_caption("**Weighted distribution of PID3**")
```

$ m N = 10,\!200^{1}$
467~(4.6%)
131 (1.3%)
$127\ (1.2\%)$
40~(0.4%)
$61 \ (0.6\%)$
9,373 (92%)
0 (0%)
0 (0%)

¹n (%)

Characteristic	$N = 10,\!200^{1}$
3 point party ID	
Democrat	3,525 (35%)
Republican	$3,242 \ (32\%)$
Independent	2,646 (26%)
Other	445 (4.4%)
Not sure	343 (3.4%)
skipped	0 (0%)
not asked	0 (0%)

¹n (%)

Step 5: Create a table of voter confidence by Party ID

Table 1: Weighted distribution of PID3

PID3	$N = 10,200^{1}$
Voted	
I did not vote in the election this November	$467 \ (4.6\%)$
I thought about voting this time, but didn't	$131\ (1.3\%)$
I usually vote, but didn't this time	127 (1.2%)
I tried to vote, but was not allowed to when I tried	$40 \ (0.4\%)$
I tried to vote, but it ended up being too much trouble	61~(0.6%)
I definitely voted in the November General Election	9,373 (92%)
skipped	0 (0%)
not asked	0 (0%)

¹n (%)