

# Assignment\_3\_SPAE

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## 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 available at Dataverse <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")
```

## Step 2: Explore the SPAE

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

```
glimpse(spae_stata)

## 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 <dbl+lbl> 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 1, ~
## $ q2 <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q2_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q3 <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, ~
## $ q4 <dbl+lbl> 3, 1, 3, 3, 3, 3, 1, 1, 3, 1, 1, ~
## $ q5 <dbl+lbl> NA, 4, NA, NA, NA, NA, 4, 4, NA, 4, 3, ~
## $ q6 <dbl+lbl> NA, 11, NA, NA, NA, NA, 7, 7, NA, 1, 10, ~
## $ q6_t <chr> "__NA__", "gated community hall", "__NA__", "__N~
## $ q7 <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ q8 <dbl+lbl> NA, 1, NA, NA, NA, NA, 2, 1, NA, 1, 1, ~
## $ q9 <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ q9_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q10 <dbl+lbl> NA, 11, NA, NA, NA, NA, 8, 7, NA, 4, 12, ~
## $ 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__"~
## $ q13 <dbl+lbl> NA, NA, NA, NA, NA, NA, 3, 1, NA, 2, NA, ~
## $ q14 <dbl+lbl> NA, 4, NA, NA, NA, NA, 1, 3, NA, 1, 1, ~
## $ q14_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q15 <dbl+lbl> NA, 1, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q16 <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ q16_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ 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, 4, ~
## $ q19 <dbl+lbl> NA, 3, NA, NA, NA, NA, 2, 3, NA, 3, 2, ~
## $ q20_m_1 <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ q20_m_2 <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ q20_m_3 <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ q20_m_4 <dbl+lbl> 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, 2, ~
## $ q20_m_6 <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ q20_m_7 <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ q20_m_8 <dbl+lbl> NA, 1, NA, NA, NA, NA, 1, 1, NA, 1, 1, ~
## $ q20_7_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q21_m_1 <dbl+lbl> NA, 2, NA, NA, NA, NA, 1, 2, NA, 2, 2, ~
## $ q21_m_2 <dbl+lbl> NA, 2, NA, NA, NA, NA, 1, 2, NA, 2, 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, 2, ~
## $ q21_m_5 <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ q21_m_6 <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ q21_m_7 <dbl+lbl> NA, 1, NA, NA, NA, NA, 2, 1, NA, 1, 1, ~
## $ q21_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q22 <dbl+lbl> 5, NA, 2, 1, 5, 2, NA, NA, 3, NA, NA, ~
## $ q22_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q23 <dbl+lbl> 1, NA, 2, 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, 2, NA, NA, 2, NA, NA, ~
## $ q24_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q25 <dbl+lbl> 2, NA, 1, 1, 2, 2, NA, NA, 2, NA, NA, ~
## $ q26 <dbl+lbl> 1, NA, 2, 1, 1, 1, NA, NA, 1, NA, NA, ~
## $ q27 <dbl+lbl> 3, NA, NA, 4, 1, 3, NA, NA, 1, NA, NA, ~
## $ q27_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~

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## $ q28 <dbl+lbl> NA, NA, NA, 1, NA, NA, NA, NA, NA, NA, NA, ~
## $ q28_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q29 <dbl+lbl> NA, NA, NA, 3, NA, NA, NA, NA, NA, NA, NA, ~
## $ q29_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q30 <dbl+lbl> NA, NA, NA, 4, NA, NA, NA, NA, NA, NA, NA, ~
## $ q31 <dbl+lbl> NA, NA, NA, 4, NA, NA, NA, NA, NA, NA, NA, ~
## $ q31_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q32 <dbl+lbl> NA, NA, NA, 8, NA, NA, NA, NA, NA, NA, NA, ~
## $ q33_m_1 <dbl+lbl> 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, NA, ~
## $ q33_m_4 <dbl+lbl> NA, NA, NA, 2, 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 <dbl+lbl> NA, NA, NA, 2, NA, NA, NA, NA, NA, NA, NA, ~
## $ 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, ~
## $ q35 <dbl+lbl> 1, NA, 2, 1, 1, 1, NA, NA, 1, NA, NA, ~
## $ q36_m_1 <dbl+lbl> 1, NA, 2, 2, 2, 2, NA, NA, 1, NA, NA, ~
## $ q36_m_2 <dbl+lbl> 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, ~
## $ 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+lbl> 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, ~
## $ q37_m_9 <dbl+lbl> 2, NA, NA, 2, 2, NA, NA, NA, 2, NA, NA, ~
## $ q37h_t <chr> "__NA__", "__NA__", "__NA__", "Curious", "__NA__"~
## $ q38_m_1 <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q38_m_2 <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q38_m_3 <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q38_m_4 <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q38_m_5 <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q38_m_6 <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q38_m_7 <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q38_m_8 <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q38_m_9 <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q38h_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ q39 <dbl+lbl> 1, 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, ~
## $ 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, ~
## $ 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, ~

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```

## $ 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 <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 1, 2, ~
## $ 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, ~
## $ 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, ~
## $ q46d <dbl+lbl> 4, 4, 3, 4, 3, 9, 9, 9, 3, 2, 2, 3, 9, 4, 2, ~
## $ 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, ~
## $ q46h <dbl+lbl> 4, 4, 4, 9, 9, 9, 3, 9, 3, 2, 2, 3, 9, 4, 9, ~
## $ 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, ~
## $ 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, ~
## $ 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 <dbl+lbl> 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, ~
## $ q49a <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, ~
## $ q49b <dbl+lbl> 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, ~
## $ q49c <dbl+lbl> 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 2, ~
## $ q50 <dbl+lbl> 1, 1, 2, 1, 1, 1, 1, 2, 1, 2, 2, 1, 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, 1, NA, 1, NA, NA, ~
## $ n51 <dbl+lbl> 2, 1, 1, 1, 1, 3, 1, 1, 1, 1, 3, 1, 1, 1, ~
## $ q52a_q52m_m_1 <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, ~
## $ q52a_q52m_m_2 <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, ~
## $ q52a_q52m_m_3 <dbl+lbl> 2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, ~
## $ q52a_q52m_m_4 <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, ~

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## $ q52a_q52m_m_5 <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 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,~
## $ q52a_q52m_m_7 <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 1, 2, 2, 2,~
## $ q52a_q52m_m_8 <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 1, 2, 2, 2,~
## $ q52a_q52m_m_9 <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,~
## $ 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,~
## $ q52a_q52m_m_12 <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 1, 2, 2, 2,~
## $ 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 <dbl+lbl> NA, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA, ~
## $ q52_b <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q52_c <dbl+lbl> NA, 1, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q52_d <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q52_e <dbl+lbl> NA, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA, ~
## $ q52_f <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q52_g <dbl+lbl> NA, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA, ~
## $ q52_h <dbl+lbl> NA, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA, ~
## $ q52_i <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ q52_j <dbl+lbl> 2, 2, 2, NA, 2, NA, 1, 1, 2, NA, 2, ~
## $ q52_k <dbl+lbl> 2, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA, ~
## $ q52_l <dbl+lbl> NA, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA, ~
## $ q52_m <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ inputzip <dbl> 34420, 34748, 48310, 97146, 11050, 58523, 77708,~
## $ marstat <dbl+lbl> 5, 4, 1, 4, 4, 1, 1, 5, 3, 4, 5, 5, 1, 5, 1,~
## $ child18 <dbl+lbl> 2, 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,~
## $ employ_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ faminc_new <dbl+lbl> 10, 4, 11, 6, 7, 97, 11, 2, 12, 2, 97, ~
## $ pid3 <dbl+lbl> 1, 3, 2, 2, 3, 1, 1, 2, 2, 2, 2, 1, 1, 3, 5,~
## $ 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,~
## $ 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,~
## $ presvote16post_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ 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,~
## $ presvote20post_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ 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, ~
## $ religpew_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ religpew_protestant <dbl+lbl> NA, 90, 2, 3, NA, 4, 1, NA, 4, 8, 1, ~
## $ 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,~
## $ race <dbl+lbl> 1, 1, 1, 1, 1, 1, 1, 2, 1, 1, 6, 1, 1, 6, 1,~
## $ race_other <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ hispanic <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 1, 2,~
## $ educ <dbl+lbl> 3, 6, 5, 3, 3, 4, 6, 5, 5, 3, 2, 6, 5, 3, 3,~
## $ votereg <dbl+lbl> 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,~

```

```
## $ inputstate      <dbl+lbl> 12, 12, 26, 41, 36, 38, 48, 37,  4,  6, 13, ~
## $ starttime       <dbl> 2.046541e+12, 2.046542e+12, 2.046541e+12, 2.0465~
## $ endtime         <dbl> 2.046542e+12, 2.046542e+12, 2.046542e+12, 2.0465~
```

```
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              <dbl+lbl> 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 6, 1, ~
## $ Q2              <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q2_t            <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q3              <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, ~
## $ Q4              <dbl+lbl> 3, 1, 3, 3, 3, 3, 1, 1, 3, 1, 1, ~
## $ Q5              <dbl+lbl> NA, 4, NA, NA, NA, NA, 4, 4, NA, 4, 3, ~
## $ Q6              <dbl+lbl> NA, 11, NA, NA, NA, NA, 7, 7, NA, 1, 10, ~
## $ Q6_t            <chr> "__NA__", "gated community hall", "__NA__", "__N~
## $ Q7              <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ Q8              <dbl+lbl> NA, 1, NA, NA, NA, NA, 2, 1, NA, 1, 1, ~
## $ Q9              <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ Q9_t            <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q10             <dbl+lbl> NA, 11, NA, NA, NA, NA, 8, 7, NA, 4, 12, ~
## $ 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__"~
## $ Q13             <dbl+lbl> NA, NA, NA, NA, NA, NA, 3, 1, NA, 2, NA, ~
## $ Q14             <dbl+lbl> NA, 4, NA, NA, NA, NA, 1, 3, NA, 1, 1, ~
## $ Q14_t           <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q15             <dbl+lbl> NA, 1, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q16             <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ Q16_t           <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ 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, 4, ~
## $ Q19             <dbl+lbl> NA, 3, NA, NA, NA, NA, 2, 3, NA, 3, 2, ~
## $ Q20_m_1         <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ Q20_m_2         <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ Q20_m_3         <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ Q20_m_4         <dbl+lbl> 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, 2, ~
## $ Q20_m_6         <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ Q20_m_7         <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ Q20_m_8         <dbl+lbl> NA, 1, NA, NA, NA, NA, 1, 1, NA, 1, 1, ~
## $ Q20_7_t         <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q21_m_1         <dbl+lbl> NA, 2, NA, NA, NA, NA, 1, 2, NA, 2, 2, ~
## $ Q21_m_2         <dbl+lbl> NA, 2, NA, NA, NA, NA, 1, 2, NA, 2, 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, 2, ~
## $ Q21_m_5         <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ Q21_m_6         <dbl+lbl> NA, 2, NA, NA, NA, NA, 2, 2, NA, 2, 2, ~
## $ Q21_m_7         <dbl+lbl> NA, 1, NA, NA, NA, NA, 2, 1, NA, 1, 1, ~
## $ Q21_t           <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q22             <dbl+lbl> 5, NA, 2, 1, 5, 2, NA, NA, 3, NA, NA, ~
```

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## $ Q22_t      <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q23        <dbl+lbl> 1, NA, 2, 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, 2, NA, NA, 2, NA, NA, ~
## $ Q24_t      <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q25        <dbl+lbl> 2, NA, 1, 1, 2, 2, NA, NA, 2, NA, NA, ~
## $ Q26        <dbl+lbl> 1, NA, 2, 1, 1, 1, NA, NA, 1, NA, NA, ~
## $ Q27        <dbl+lbl> 3, NA, NA, 4, 1, 3, NA, NA, 1, NA, NA, ~
## $ Q27_t      <chr> "__NA__", "__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__", "__NA__"~
## $ Q29        <dbl+lbl> NA, NA, NA, 3, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q29_t      <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q30        <dbl+lbl> NA, NA, NA, 4, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q31        <dbl+lbl> NA, NA, NA, 4, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q31_t      <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q32        <dbl+lbl> NA, NA, NA, 8, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q33_m_1    <dbl+lbl> 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, NA, ~
## $ Q33_m_4    <dbl+lbl> NA, NA, NA, 2, 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    <dbl+lbl> NA, NA, NA, 2, NA, NA, NA, NA, NA, NA, NA, ~
## $ 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, ~
## $ Q35        <dbl+lbl> 1, NA, 2, 1, 1, 1, NA, NA, 1, NA, NA, ~
## $ Q36_m_1    <dbl+lbl> 1, NA, 2, 2, 2, 2, NA, NA, 1, NA, NA, ~
## $ Q36_m_2    <dbl+lbl> 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, ~
## $ 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+lbl> 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, ~
## $ Q37_m_9    <dbl+lbl> 2, NA, NA, 2, 2, NA, NA, NA, 2, NA, NA, ~
## $ Q37H_t     <chr> "__NA__", "__NA__", "__NA__", "Curious", "__NA__"~
## $ Q38_m_1    <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q38_m_2    <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q38_m_3    <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q38_m_4    <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q38_m_5    <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q38_m_6    <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q38_m_7    <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q38_m_8    <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q38_m_9    <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q38H_t     <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ Q39        <dbl+lbl> 1, 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, ~

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## $ 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,~
## $ 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+lbl> 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2, 1, 2,~
## $ Q44_m_10 <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 1, 2,~
## $ 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,~
## $ 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,~
## $ Q46D     <dbl+lbl> 4, 4, 3, 4, 3, 9, 9, 9, 3, 2, 2, 3, 9, 4, 2,~
## $ 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,~
## $ Q46H     <dbl+lbl> 4, 4, 4, 9, 9, 9, 3, 9, 3, 2, 2, 3, 9, 4, 9,~
## $ 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,~
## $ 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,~
## $ 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      <dbl+lbl> 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,~
## $ Q49A     <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2, 2,~
## $ Q49B     <dbl+lbl> 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,~

```



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## $ Q49C <dbl+lbl> 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 2, 1,~
## $ 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, 1, NA, 1, NA, NA, ~
## $ N51 <dbl+lbl> 2, 1, 1, 1, 1, 3, 1, 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,~
## $ Q52a_Q52m_m_2 <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,~
## $ Q52a_Q52m_m_3 <dbl+lbl> 2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,~
## $ Q52a_Q52m_m_4 <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,~
## $ Q52a_Q52m_m_5 <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 1, 2, 2,~
## $ Q52a_Q52m_m_6 <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 1, 2, 2,~
## $ Q52a_Q52m_m_7 <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 1, 2, 2,~
## $ Q52a_Q52m_m_8 <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 1, 2, 2,~
## $ Q52a_Q52m_m_9 <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,~
## $ Q52a_Q52m_m_10 <dbl+lbl> 1, 1, 1, 2, 1, 2, 1, 1, 1, 2, 1, 2, 2, 1,~
## $ Q52a_Q52m_m_11 <dbl+lbl> 1, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 2, 2,~
## $ Q52a_Q52m_m_12 <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 2, 2, 2, 2, 1, 2, 2,~
## $ Q52a_Q52m_m_13 <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 1, 2, 2,~
## $ Q52a_Q52m_m_14 <dbl+lbl> 2, 2, 2, 1, 2, 1, 2, 2, 2, 1, 2, 2, 1, 2,~
## $ Q52_a <dbl+lbl> NA, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA, ~
## $ Q52_b <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q52_c <dbl+lbl> NA, 1, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q52_d <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q52_e <dbl+lbl> NA, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA, ~
## $ Q52_f <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q52_g <dbl+lbl> NA, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA, ~
## $ Q52_h <dbl+lbl> NA, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA, ~
## $ Q52_i <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ Q52_j <dbl+lbl> 2, 2, 2, NA, 2, NA, 1, 1, 2, NA, 2, ~
## $ Q52_k <dbl+lbl> 2, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA, ~
## $ Q52_l <dbl+lbl> NA, NA, NA, NA, NA, NA, 1, NA, NA, NA, NA, ~
## $ Q52_m <dbl+lbl> NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, NA, ~
## $ inputzip <dbl> 34420, 34748, 48310, 97146, 11050, 58523, 77708,~
## $ marstat <dbl+lbl> 5, 4, 1, 4, 4, 1, 1, 5, 3, 4, 5, 5, 1, 5, 1,~
## $ child18 <dbl+lbl> 2, 2, 2, 2, 2, 2, 1, 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,~
## $ employ_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ faminc_new <dbl+lbl> 10, 4, 11, 6, 7, 97, 11, 2, 12, 2, 97, ~
## $ pid3 <dbl+lbl> 1, 3, 2, 2, 3, 1, 1, 2, 2, 2, 2, 1, 1, 3, 5,~
## $ 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,~
## $ 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,~
## $ presvote16post_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ 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,~
## $ presvote20post_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ pew_bornagain <dbl+lbl> 1, 2, 2, 2, 2, 2, 1, 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, ~
## $ religpew_t <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~

```

```

## $ religpew_protestant <dbl+lbl> NA, 90, 2, 3, NA, 4, 1, NA, 4, 8, 1, ~
## $ 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,~
## $ race <dbl+lbl> 1, 1, 1, 1, 1, 1, 1, 2, 1, 1, 6, 1, 1, 6, 1,~
## $ race_other <chr> "__NA__", "__NA__", "__NA__", "__NA__", "__NA__"~
## $ hispanic <dbl+lbl> 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 1, 2,~
## $ educ <dbl+lbl> 3, 6, 5, 3, 3, 4, 6, 5, 5, 3, 2, 6, 5, 3, 3,~
## $ votereg <dbl+lbl> 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,~
## $ inputstate <dbl+lbl> 12, 12, 26, 41, 36, 38, 48, 37, 4, 6, 13, ~
## $ starttime <dtm> 2024-11-06 19:44:49, 2024-11-06 19:45:07, 2024--
## $ endtime <dtm> 2024-11-06 19:57:29, 2024-11-06 19:59:18, 2024--

```

```
summary(spae_stata)
```

```

##      caseid      weight_stacked  weight_final      q1
## Min.   :2.678e+08  Min.   :0.06197  Min.   : 0.005896  Min.   :1.000
## 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  Mean   :1.00000  Mean   : 1.000000  Mean   :5.692
## 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      q2_t      q3      q4
## Min.   : 1.00  Length:10200  Min.   :1.000  Min.   :1.000
## 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
## Max.   :55.00  Max.   :9.000  Max.   :9.000
## 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  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
##      q8      q9      q9_t      q10
## 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
## Max.   :9.000  Max.   :9.000  Max.   :99.00
## NA's   :3728  NA's   :3728  NA's   :3729
##      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
## 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. :1.00      Length:10200      Min. :1.000      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
##      q16_t      q17      q18      q19
## 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
##      Mean :1.32      Mean :4.348      Mean :3.526
##      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_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      Max. :2.00      Max. :2.000      Max. :2.000
## NA's :3681      NA's :3681      NA's :3681      NA's :3681      NA's :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_1      q21_m_2      q21_m_3      q21_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 :1.809      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
## Max. :2.000      Max. :2.000      Max. :2.000      Max. :2.000
## NA's :3681      NA's :3681      NA's :3681      NA's :3681
##      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      Mean :1.234
## 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
##      q22      q22_t      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 : 3.288      Mean :2.03

```

##	3rd Qu.: 4.000		3rd Qu.:2.00	
##	Max. :11.000		Max. :9.00	
##	NA's :7241		NA's :7240	
##	q24	q24_t	q25	q26
##	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	NA's :7240
##	q27	q27_t	q28	q28_t
##	Min. :1.00	Length:10200	Min. :1.000	Length:10200
##	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	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 :3.901	Mean :10.05
##	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
##		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
##	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 :1.997	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	Class :character	1st Qu.:3.000	1st Qu.:1.000
##	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 :7242	NA's :7242
##	q36_m_1	q36_m_2	q36_m_3	q36_m_4
##	Min. :1.000	Min. :1.000	Min. :1.000	Min. :1.000
##	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
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000
## NA's :7223 NA's :7223 NA's :7223 NA's :7223
## q36_m_t q37_m_1 q37_m_2 q37_m_3
## Length:10200 Min. :1.000 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_4 q37_m_5 q37_m_6 q37_m_7
## Min. :1.000 Min. :1.000 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
## NA's :8325 NA's :8325 NA's :8325 NA's :8325
## q37_m_8 q37_m_9 q37h_t q38_m_1
## 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 Mode :character Median :1.000
## 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
## 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
## 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 :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. :2 Min. :1.000 Min. :2
## 1st Qu.:2.000 1st Qu.:2 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 :10181 NA's :10181 NA's :10181 NA's :10181
## q38h_t q39 q40 q41
## Length:10200 Min. :1.000 Min. :1.000 Min. :1.000
## Class :character 1st Qu.:1.000 1st Qu.:1.000 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
## Max. :9.000 Max. :9.000 Max. :9.000
## NA's :768 NA's :1 NA's :2
## 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 :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	
##					
##	q44_m_6	q44_m_7	q44_m_8	q44_m_9	q44_m_10
##	Min. :1.000	Min. :1.000	Min. :1.00	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.: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	
##	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 :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	
##					
##	q47f	q47g	q47h	q47i	q47j
##	Min. :1.000	Min. :1.00	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.:2.000	3rd Qu.:2.00	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 :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				
##	q49	q49a	q49b	q49c	
##	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	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	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_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.:2.00	3rd Qu.:2.000	3rd Qu.:2.000	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	Max. :2.000	Max. :2.000	Max. :2.000	
##		NA's :9225	NA's :9586	NA's :9550	
##	q52_d	q52_e	q52_f	q52_g	
##	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 :1.355	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	Max. :2.000	
##	NA's :10079	NA's :9756	NA's :9985	NA's :9550	
##	q52_h	q52_i	q52_j	q52_k	q52_l
##	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.: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
##	NA's :10014	NA's :9392	NA's :6040	NA's :9327	NA's :8595
##	q52_m	inputzip	marstat	child18	employ
##	Min. :1.000	Min. : 1001	Min. :1.000	Min. :1.00	Min. :1.000
##	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 Max. :6.000 Max. :2.00 Max. :9.000
## NA's :9807
## employ_t faminc_new pid3 pid3_t
## Length:10200 Min. : 1.00 Min. :1.000 Length:10200
## Class :character 1st Qu.: 4.00 1st Qu.:1.000 Class :character
## Mode :character Median : 7.00 Median :2.000 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
## Max. :8.000 Max. :6.000 Max. :7.000 Max. :7.000
##
## presvote16post_t turnout20post presvote20post presvote20post_t
## Length:10200 Min. :1.00 Min. :1.000 Length:10200
## 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
## 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 religpew_protestant religpew_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
## birthyr gender race 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 :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
## 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. :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
## Max. :2.048e+12 Max. :2.048e+12
##
```

```
summary(spae_spss)
```

```
## caseid weight_stacked weight_final Q1
## Min. :2.678e+08 Min. :0.06197 Min. : 0.005896 Min. :1.000
## 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 Mean :1.00000 Mean : 1.000000 Mean :5.692
## 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 Q2_t Q3 Q4
## Min. : 1.00 Length:10200 Min. :1.000 Min. :1.000
## 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
## Max. :55.00 Max. :9.000 Max. :9.000
## 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 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
## Q8 Q9 Q9_t Q10
## 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
## Max. :9.000 Max. :9.000 Max. :99.00
## NA's :3728 NA's :3728 NA's :3729
## 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
## 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. :1.00 Length:10200 Min. :1.000 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
## Q16_t Q17 Q18 Q19
## 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
## Mean :1.32 Mean :4.348 Mean :3.526
## 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_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 Max. :2.00 Max. :2.000 Max. :2.000
## NA's :3681 NA's :3681 NA's :3681 NA's :3681 NA's :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_1 Q21_m_2 Q21_m_3 Q21_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 :1.809 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
## Max. :2.000 Max. :2.000 Max. :2.000 Max. :2.000
## NA's :3681 NA's :3681 NA's :3681 NA's :3681
## 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 Mean :1.234
## 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
## Q22 Q22_t 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 : 3.288		Mean :2.03	
## 3rd Qu.: 4.000		3rd Qu.:2.00	
## Max. :11.000		Max. :9.00	
## NA's :7241		NA's :7240	
## Q24	Q24_t	Q25	Q26
## 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	NA's :7240
## Q27	Q27_t	Q28	Q28_t
## Min. :1.00	Length:10200	Min. :1.000	Length:10200
## 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	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 :3.901	Mean :10.05
## 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
##	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
## 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 :1.997	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	Class :character	1st Qu.:3.000	1st Qu.:1.000
## 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 :7242	NA's :7242

```

##      Q36_m_1      Q36_m_2      Q36_m_3      Q36_m_4
## Min.      :1.000    Min.      :1.000    Min.      :1.000    Min.      :1.000
## 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
## Max.   :2.000    Max.   :2.000    Max.   :2.000    Max.   :2.000
## NA's    :7223    NA's    :7223    NA's    :7223    NA's    :7223
##      Q36_m_t      Q37_m_1      Q37_m_2      Q37_m_3
## Length:10200    Min.      :1.000    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_4      Q37_m_5      Q37_m_6      Q37_m_7
## Min.      :1.000    Min.      :1.000    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
## NA's    :8325    NA's    :8325    NA's    :8325    NA's    :8325
##      Q37_m_8      Q37_m_9      Q37H_t      Q38_m_1
## 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    Mode  :character Median :1.000
## 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
## 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
## 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    :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.      :2      Min.      :1.000    Min.      :2
## 1st Qu.:2.000    1st Qu.:2      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    :10181   NA's    :10181   NA's    :10181   NA's    :10181
##      Q38H_t      Q39      Q40      Q41
## Length:10200    Min.      :1.000    Min.      :1.000    Min.      :1.000
## Class :character 1st Qu.:1.000    1st Qu.:1.000    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

```

##		Max. :9.000	Max. :9.000	Max. :9.000	
##		NA's :768	NA's :1	NA's :2	
##	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 :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	
##					
##	Q44_m_6	Q44_m_7	Q44_m_8	Q44_m_9	Q44_m_10
##	Min. :1.000	Min. :1.000	Min. :1.00	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.: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		
##	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	: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		
##										
##	Q47F		Q47G		Q47H		Q47I		Q47J	
##	Min.	:1.000	Min.	:1.00	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.	:2.000	3rd Qu.	:2.00	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	: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								
##	Q49		Q49A		Q49B		Q49C			
##	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	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	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_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.:2.00	3rd Qu.:2.000	3rd Qu.:2.000	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	Max. :2.000	Max. :2.000	Max. :2.000	
##		NA's :9225	NA's :9586	NA's :9550	
##	Q52_d	Q52_e	Q52_f	Q52_g	
##	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 :1.355	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	Max. :2.000	
##	NA's :10079	NA's :9756	NA's :9985	NA's :9550	
##	Q52_h	Q52_i	Q52_j	Q52_k	Q52_l
##	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.: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
##	NA's :10014	NA's :9392	NA's :6040	NA's :9327	NA's :8595



```

##      Q52_m      inputzip      marstat      child18      employ
## Min.   :1.000   Min.    : 1001   Min.    :1.000   Min.    :1.00   Min.    :1.000
## 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   Max.    :6.000   Max.    :2.00   Max.    :9.000
## NA's    :9807
##      employ_t      faminc_new      pid3      pid3_t
## Length:10200      Min.    : 1.00   Min.    :1.000   Length:10200
## Class :character   1st Qu.: 4.00   1st Qu.:1.000   Class :character
## Mode  :character   Median : 7.00   Median :2.000   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
## Max.   :8.000   Max.    :6.000   Max.    :7.000   Max.    :7.000
##
##      presvote16post_t      turnout20post      presvote20post      presvote20post_t
## Length:10200      Min.    :1.00   Min.    :1.000   Length:10200
## 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
##                      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      religpew_protestant      religpew_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
##      birthyr      gender      race      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 :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

```

```
## 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 19:44:47 Min. :2024-11-06 19:57:29
## 1st Qu.:2024-11-10 10:09:11 1st Qu.:2024-11-10 11:31:28
## Median :2024-11-13 05:19:49 Median :2024-11-13 08:03:32
## 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)
```

```
##
## 1 2 3 4 5 6
## 428 122 130 34 54 9432
```

```
table(spae_spss$pid3)
```

```
##
## 1 2 3 4 5
## 3945 2832 2678 443 302
```

```
spae_spss %>%
  tabyl(Q1)
```

```
## Q1 n percent
## 1 428 0.041960784
## 2 122 0.011960784
## 3 130 0.012745098
## 4 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
##                                     428
##           I thought about voting this time, but didn't
##                                     122
##           I usually vote, but didn't this time
##                                     130
## I tried to vote, but was not allowed to when I tried
##                                     34
## I tried to vote, but it ended up being too much trouble
##                                     54
##           I definitely voted in the November General Election
##                                     9432
##                                     skipped
##                                     0
##                                     not asked
##                                     0
```

```
table(as_label(spae_spss$pid3))
```

```
##
##   Democrat  Republican Independent      Other   Not sure   skipped
##       3945       2832       2678       443       302         0
## not asked
##         0
```

```
# 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**")
```

Characteristic	N = 10,200 <sup>I</sup>
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%)

<sup>I</sup><sub>n</sub> (%)

Characteristic	N = 10,200 <sup>I</sup>
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%)

<sup>I</sup><sub>n</sub> (%)

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

Table 1: **Weighted distribution of PID3**

<b>PID3</b>	<b>N = 10,200<sup>I</sup></b>
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%)
<sup>I</sup> n (%)	