Communities Speak

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```
library(googledrive)
library(readxl)
library(tidyverse)
library(stringr)
library(haven)
library(rjson)
source("functions/fixup.R")

survey <- read_csv("../data/input/individual_survey_eng_20220124_num.csv") %>%
  mutate_all(str_to_lower) %>% rename_all(str_to_lower) %>% filter(!row_number() %in% c(1:2)) %>%
  dplyr::select(responseid, contains("q"))
```

Var Dictionary

Combine with codebook in order to easily rename columns in the cleaned dataset

```
var_dict <- tribble(~qidno, ~var,
        1, "resi_ny",
        2, "zipcode",
        3, "intersection",
        4, "age",
        5, "gender",
        6, "race",
        7, "marital_status",
        8, "religion",
        9, "sexual_orient",
        10, "other_than_en",
        11, "highest_deg",
        12, "income2020",
        13, "income2021",
        14, "employ2020",
        15, "employ2021",
        16, "unemp_ben",
        17, "unemp_ben_tm",
        18, "in_person_work",
        19, "ny_residence_type",
        20, "experienced_diff",
        21, "insurance",
        22, "internet",
        23, "transport",
```

```
        24, "hh_demog",
        25, "school_type",
        26, "in_person_school",
        27, "not_in_person_school",
        28, "concerns",
        29, "find_childcare",
        30, "need_childcare",
        31, "info_gov",
        32, "rate_response",
        33, "rate_service",
        34, "local_resources",
        35, "covid_ab_vi",
        36, "covid_discrim",
        37, "tested_pos",
        38, "vaccine",
        39, "booster",
        40, "mental_health",
        41, "hesitant",
        42, "variants") %>% mutate(question = qidno + 1)

var_dict
```

```
## # A tibble: 42 x 3
##    qidno var            question
##    <dbl> <chr>             <dbl>
##  1     1 resi_ny               2
##  2     2 zipcode               3
##  3     3 intersection          4
##  4     4 age                   5
##  5     5 gender                6
##  6     6 race                  7
##  7     7 marital_status        8
##  8     8 religion              9
##  9     9 sexual_orient        10
## 10    10 other_than_en        11
## # ... with 32 more rows
```

Survey Questions Codebook

Get important metadata on each of the questions that facilitates wrangling

```
file <- fromJSON(file = "../data/input/Individual_Survey-_English_-_helpNYC.qsf")

survey_codebook <- lapply(file$SurveyElements[9:54], function(element) {
  qid = element$PrimaryAttribute
  qno = element$Payload$DataExportTag
  type = element$Payload$QuestionType
  selector = element$Payload$Selector
  subselector = element$Payload$SubSelector
  text = element$SecondaryAttribute
```

```
  unlisted = unlist(lapply(element$Payload$Choices, function(element) trimws(element$Display)))

  if(type == "Matrix"){
    part = unlisted
    unlisted = unlist(lapply(element$Payload$Answers, function(element) trimws(element$Display)))
  }  else {
    part = NA
  }

  choices = paste(unlisted, collapse = "; ")

  # handling free form entry
  if(selector == "FORM") {
    part = unlisted
    choices = "free form entry"
    options = NA
  }

  if(length(unlisted) > 0){
    options = as.integer(length(unlisted))
  } else {
    options = NA
    choices = NA
  }

  out <- tibble(qid, qno, type, selector, subselector, text, part, options, choices)

  if(nrow(out) > 1){
    out <- mutate(out, qno = paste0(qno, "_", row_number()))
  }

  return(out)
  }) %>% bind_rows() %>% mutate_all(str_to_lower) %>% filter(qno != "") %>% mutate(options = as.integer
  mutate(question = as.integer(str_extract(qno, "[:digit:]{1,2}"))) %>% arrange(question)
survey_codebook
```

```
## # A tibble: 68 x 10
##    qid   qno   type  selector subselector text    part  options choices question
##    <chr> <chr> <chr> <chr>    <chr>       <chr>   <chr>   <int> <chr>      <int>
##  1 qid2  q2    mc    savr     tx          are yo~ <NA>        2 yes; no        2
##  2 qid3  q3    te    sl       <NA>        what i~ <NA>       NA <NA>           3
##  3 qid4  q4    te    sl       <NA>        what i~ <NA>       NA <NA>           4
##  4 qid5  q5    te    sl       <NA>        how ol~ <NA>       NA <NA>           5
##  5 qid6  q6    mc    savr     tx          with w~ <NA>        6 male; ~        6
##  6 qid7  q7    mc    mavr     tx          please~ <NA>        8 hispan~        7
##  7 qid8  q8    mc    savr     tx          what i~ <NA>        5 single~        8
##  8 qid9  q9    mc    savr     tx          with w~ <NA>        8 cathol~        9
##  9 qid10 q10   mc    savr     tx          which ~ <NA>        5 hetero~       10
## 10 qid11 q11   mc    savr     tx          do you~ <NA>        2 yes; no       11
## # ... with 58 more rows
```

```
# code to look at specific attributes
#var_dict %>% full_join(survey_codebook)
index <- which(lapply(file$SurveyElements, function(i) i$PrimaryAttribute) == "QID35")
element <- file$SurveyElements[[index]]
element$Payload$SubSelector
```

```
## [1] "MultipleAnswer"
```

```
survey_codebook %>% filter(str_detect(qid, "35"))
```

```
## # A tibble: 8 x 10
##   qid   qno   type   selector subselector  text   part  options choices question
##   <chr> <chr> <chr>  <chr>    <chr>        <chr>  <chr>   <int> <chr>      <int>
## 1 qid35 q35_1 matrix likert   multipleans~ what ~ stre~       6 faith-~       35
## 2 qid35 q35_2 matrix likert   multipleans~ what ~ tran~       6 faith-~       35
## 3 qid35 q35_3 matrix likert   multipleans~ what ~ food        6 faith-~       35
## 4 qid35 q35_4 matrix likert   multipleans~ what ~ clea~       6 faith-~       35
## 5 qid35 q35_5 matrix likert   multipleans~ what ~ heal~       6 faith-~       35
## 6 qid35 q35_6 matrix likert   multipleans~ what ~ util~       6 faith-~       35
## 7 qid35 q35_7 matrix likert   multipleans~ what ~ chil~       6 faith-~       35
## 8 qid35 q35_8 matrix likert   multipleans~ what ~ adul~       6 faith-~       35
```

```
survey_codebook %>% filter(subselector == "multipleanswer")
```

```
## # A tibble: 8 x 10
##   qid   qno   type   selector subselector  text   part  options choices question
##   <chr> <chr> <chr>  <chr>    <chr>        <chr>  <chr>   <int> <chr>      <int>
## 1 qid35 q35_1 matrix likert   multipleans~ what ~ stre~       6 faith-~       35
## 2 qid35 q35_2 matrix likert   multipleans~ what ~ tran~       6 faith-~       35
## 3 qid35 q35_3 matrix likert   multipleans~ what ~ food        6 faith-~       35
## 4 qid35 q35_4 matrix likert   multipleans~ what ~ clea~       6 faith-~       35
## 5 qid35 q35_5 matrix likert   multipleans~ what ~ heal~       6 faith-~       35
## 6 qid35 q35_6 matrix likert   multipleans~ what ~ util~       6 faith-~       35
## 7 qid35 q35_7 matrix likert   multipleans~ what ~ chil~       6 faith-~       35
## 8 qid35 q35_8 matrix likert   multipleans~ what ~ adul~       6 faith-~       35
```

Data Cleaning

divide up question types

```
simple <- survey_codebook %>% filter(type == "mc", selector == "savr") %>% pull(qno)
text <- survey_codebook %>% filter(type == "te") %>% pull(qno)
likert <- survey_codebook %>% filter(selector == "likert", subselector != "multipleanswer") %>% pull(qn
mavr <- survey_codebook %>% filter(type == "mc" & selector == "mavr" | subselector == "multipleanswer")
```

likert and simple response

```
survey[likert]
```

```
## # A tibble: 217 x 16
##    q33_1 q33_2 q33_3 q34_1 q34_2 q34_3 q34_4 q34_5 q34_6 q34_7 q34_8 q34_9 q41_1
##    <chr> <chr> <chr> <chr> <chr> <chr> <chr> <chr> <chr> <chr> <chr> <chr> <chr>
##  1 2     1     3     2     3     4     3     4     5     3     4     4     2
##  2 <NA>  <NA>  <NA>  <NA>  <NA>  <NA>  <NA>  <NA>  <NA>  <NA>  <NA>  <NA>  <NA>
##  3 2     1     1     2     2     5     5     2     5     2     2     2     4
##  4 2     2     2     2     2     2     2     2     2     2     2     2     2
##  5 1     1     1     2     3     2     5     4     5     2     4     2     1
##  6 2     2     2     5     3     1     5     1     5     4     5     5     1
##  7 2     3     3     3     2     2     5     2     5     2     5     2     2
##  8 2     2     2     3     3     2     2     2     2     2     3     2     2
##  9 1     2     2     2     3     5     5     2     2     2     3     2     3
## 10 3     1     1     1     5     5     5     2     2     5     5     5     1
## # ... with 207 more rows, and 3 more variables: q41_2 <chr>, q41_3 <chr>,
## #   q41_4 <chr>
```

```
survey_labelled <- sapply(c(likert, simple), function(col) {
  index <- which(survey_codebook$qno == col)
  values <- c(1:survey_codebook$options[index])
  tags <- unlist(str_split(survey_codebook$choices[index], "; "))
  named <- setNames(values, tags)

  out <- labelled(as.integer(survey[[col]]), named)
  tibble(out)
}) %>% bind_cols() %>%
  # stupid fix
  rename_all(str_replace, ".out", "")

survey_labelled <- tibble(responseid = survey[["responseid"]], survey_labelled)
```

multiple answer response

```
mavr_labelled <- lapply(mavr, function(col) {
  index <- which(survey_codebook$qno == col)
  values <- c(1:survey_codebook$options[index])
  tags <- unlist(str_split(survey_codebook$choices[index], "; "))
  named <- setNames(values, tags)

  sym_col <- sym(col)
  sym_new <- sym(paste(col, "new", sep = "_")) # new idea
  out <- survey[c("responseid", col)] %>%
    tidytext::unnest_tokens(output = !!sym_col, token = "regex", input = col, pattern = ",") %>%
    mutate_if(!str_detect(., "r_"), funs(factor(as.integer(.), levels = values, labels = tags))) %>%
    #mutate_if(!str_detect(., "r_"), funs(labelled(as.integer(.), named))) %>%
    group_by(responseid) %>%
    #summarize_at(vars(!!sym_col), list)
    #nest(!!sym_col)
    summarize_at(vars(!!sym_col), list)
```

```
  return(tibble(out))

}) %>% reduce(full_join, by='responseid')
```

text entry questions

```
fixup
```

```
## function (string = NULL, pattern = NULL)
## {
##     if (!is.na(string)) {
##         index <- which(str_detect(string, pattern = dict$pattern))
##         out <- dict$replacement[index]
##     }
##     else {
##         out <- NA_character_
##         return(out)
##     }
## }
```

```
survey_text_fixed <-
  survey[c("responseid", text)] %>%
  mutate(q5 = as.integer(str_replace_all(q5, "[:alpha:]|[:punct:]|\\+|\\>", ""))) %>%
  mutate_at(vars(contains("25")),
            funs(
              as.integer(str_replace_all(., pattern = str_c(dict$pattern, collapse = "|"), replacement =

survey_text_fixed
```

```
## # A tibble: 217 x 10
##    responseid        q3    q4         q5 q25_1 q25_2 q25_3 q25_4 q44      q45
##    <chr>             <chr> <chr>   <int> <int> <int> <int> <int> <chr>    <chr>
##  1 r_2wmm2lvbmh1orpx 10453 cedar ~    41     0     1     0     0 <NA>     <NA>
##  2 r_2q4qjpgaxsukmgf <NA>  <NA>       NA    NA    NA    NA    NA <NA>     <NA>
##  3 r_vrewuyzqhibqayp 10026 112th ~    60     0     2     0     0 too man~ copel~
##  4 r_1gqtftbydbmd1j2 10453 cedar ~    55     0     1     0     0 <NA>     karen~
##  5 r_z42cqxelifeavej 11211 grand ~    75     1     0     0     0 <NA>     <NA>
##  6 r_1qb2mivxdjbz2q1 10750 bronx ~    42     0     1     1     0 i am gl~ hutab~
##  7 r_30ddrhreayqrzxm 10002 essex ~     6     0     1     0     0 i had d~ shari~
##  8 r_1ixckskopsgbfmy 10456 morris~    42     0     0     5     0 <NA>     <NA>
##  9 r_qbjvit5mrwe9kwt 10453 cedar ~    65     1     0     0     0 <NA>     <NA>
## 10 r_5sx9j5mciidx9gb 10036 10th a~    47     0     0     0     0 bo       no
## # ... with 207 more rows
```

Compile

```
final <- list(mavr_labelled, survey_labelled, survey_text_fixed) %>% reduce(full_join, by = "responseid")


remainder <- setdiff(colnames(survey), colnames(final))

final <- list(survey_labelled, mavr_labelled, survey_text_fixed, survey[c("responseid", remainder)]) %>%

final
```

```
## # A tibble: 217 x 77
##    responseid      q33_1     q33_2     q33_3    q34_1    q34_2    q34_3    q34_4
##    <chr>       <int+lbl> <int+lbl> <int+lbl> <int+lb> <int+lb> <int+lb> <int+lb>
##  1 r_2wmm2lvb~  2 [good]  1 [exce~  3 [aver~  2 [goo~  3 [fai~  4 [poo~  3 [fai~
##  2 r_2q4qjpga~ NA        NA        NA        NA       NA       NA       NA
##  3 r_vrewuyzq~  2 [good]  1 [exce~  1 [exce~  2 [goo~  2 [goo~  5 [don~  5 [don~
##  4 r_1gqtftby~  2 [good]  2 [good]  2 [good]  2 [goo~  2 [goo~  2 [goo~  2 [goo~
##  5 r_z42cqxel~  1 [exce~  1 [exce~  1 [exce~  2 [goo~  3 [fai~  2 [goo~  5 [don~
##  6 r_1qb2mivx~  2 [good]  2 [good]  2 [good]  5 [don~  3 [fai~  1 [exc~  5 [don~
##  7 r_30ddrhre~  2 [good]  3 [aver~  3 [aver~  3 [fai~  2 [goo~  2 [goo~  5 [don~
##  8 r_1ixcksko~  2 [good]  2 [good]  2 [good]  3 [fai~  3 [fai~  2 [goo~  2 [goo~
##  9 r_qbjvit5m~  1 [exce~  2 [good]  2 [good]  2 [goo~  3 [fai~  5 [don~  5 [don~
## 10 r_5sx9j5mc~  3 [aver~  1 [exce~  1 [exce~  1 [exc~  5 [don~  5 [don~  5 [don~
## # ... with 207 more rows, and 69 more variables: q34_5 <int+lbl>,
## #   q34_6 <int+lbl>, q34_7 <int+lbl>, q34_8 <int+lbl>, q34_9 <int+lbl>,
## #   q41_1 <int+lbl>, q41_2 <int+lbl>, q41_3 <int+lbl>, q41_4 <int+lbl>,
## #   q2 <int+lbl>, q6 <int+lbl>, q8 <int+lbl>, q9 <int+lbl>, q10 <int+lbl>,
## #   q11 <int+lbl>, q12 <int+lbl>, q13 <int+lbl>, q14 <int+lbl>, q17 <int+lbl>,
## #   q18 <int+lbl>, q19 <int+lbl>, q20 <int+lbl>, q23 <int+lbl>, q24 <int+lbl>,
## #   q27 <int+lbl>, q28 <int+lbl>, q30 <int+lbl>, q31 <int+lbl>, ...
```

Brief Cleaning Process Validation

```
cbind(sort(colSums(is.na(survey))), sort(colSums(is.na(final))))
```

```
##             [,1] [,2]
## responseid     0    0
## q2             7    7
## q6            42   42
## q7            42   42
## q8            42   42
## q9            42   42
## q10           42   42
## q11           42   42
## q12           42   42
## q3            43   43
## q4            43   43
## q5            44   45
## q13           59   59
## q14           59   59
## q15           59   59
## q16           59   59
```

```
## q19           59   59
## q20           59   61
## q22           61   61
## q23           61   61
## q24           61   63
## q25_1         65   65
## q25_2         65   67
## q25_3         65   67
## q25_4         65   67
## q32           79   79
## q33_1         79   79
## q33_2         79   79
## q33_3         79   79
## q34_1         79   79
## q34_2         79   79
## q34_3         79   79
## q34_4         79   79
## q34_5         79   79
## q34_6         79   79
## q34_7         79   79
## q34_8         79   79
## q34_9         79   79
## q35_1         79   79
## q35_2         79   79
## q35_3         79   79
## q35_4         79   79
## q35_5         79   79
## q35_6         79   79
## q35_7         79   79
## q35_8         79   79
## q36           79   79
## q37           79   79
## q38           87   87
## q39           87   87
## q41_1         87   87
## q41_2         87   87
## q41_3         87   87
## q41_4         87   87
## q42           87   87
## q43           87   87
## q40           93   93
## q21          107  107
## q44          135  135
## q45          152  152
## q26          177  177
## q29          178  178
## q27          183  183
## q30          192  192
## q31          196  196
## q21_11_text  200  200
## q9_6_text    202  202
## q17          206  206
## q42_8_text   208  208
## q7_7_text    210  210
```

```
## q26_8_text   210  210
## q10_4_text   211  211
## q29_8_text   213  213
## q18          215  215
## q12_9_text   216  216
## q28          216  216
## q28_4_text   217  217
```

New Columns

```
poverty_line_2020 <- 26500
median_income_2020 <- 100000

final %>%
  # 13.2
  mutate(
    # 13.2
    neg_income = ifelse(q14 >= q13, 0, 1),
    # 13.3
    inc_dist = case_when(
      q13 < poverty_line_2020 ~ 1,
      q13 < median_income_2020 ~ 2,
      TRUE ~ 3),
    # 13.4
    above_median = ifelse(q13 > median_income_2020, 1, 0),
    # 13.5
    below_median = ifelse(q13 < median_income_2020, 1, 0)

    # 14.2


        )
```

```
## # A tibble: 217 x 81
##    responseid      q33_1     q33_2     q33_3    q34_1    q34_2    q34_3    q34_4
##    <chr>       <int+lbl> <int+lbl> <int+lbl> <int+lb> <int+lb> <int+lb> <int+lb>
##  1 r_2wmm2lvb~  2 [good]  1 [exce~  3 [aver~  2 [goo~  3 [fai~  4 [poo~  3 [fai~
##  2 r_2q4qjpga~ NA        NA        NA        NA       NA       NA       NA
##  3 r_vrewuyzq~  2 [good]  1 [exce~  1 [exce~  2 [goo~  2 [goo~  5 [don~  5 [don~
##  4 r_1gqtftby~  2 [good]  2 [good]  2 [good]  2 [goo~  2 [goo~  2 [goo~  2 [goo~
##  5 r_z42cqxel~  1 [exce~  1 [exce~  1 [exce~  2 [goo~  3 [fai~  2 [goo~  5 [don~
##  6 r_1qb2mivx~  2 [good]  2 [good]  2 [good]  5 [don~  3 [fai~  1 [exc~  5 [don~
##  7 r_30ddrhre~  2 [good]  3 [aver~  3 [aver~  3 [fai~  2 [goo~  2 [goo~  5 [don~
##  8 r_1ixcksko~  2 [good]  2 [good]  2 [good]  3 [fai~  3 [fai~  2 [goo~  2 [goo~
##  9 r_qbjvit5m~  1 [exce~  2 [good]  2 [good]  2 [goo~  3 [fai~  5 [don~  5 [don~
## 10 r_5sx9j5mc~  3 [aver~  1 [exce~  1 [exce~  1 [exc~  5 [don~  5 [don~  5 [don~
## # ... with 207 more rows, and 73 more variables: q34_5 <int+lbl>,
## #   q34_6 <int+lbl>, q34_7 <int+lbl>, q34_8 <int+lbl>, q34_9 <int+lbl>,
## #   q41_1 <int+lbl>, q41_2 <int+lbl>, q41_3 <int+lbl>, q41_4 <int+lbl>,
## #   q2 <int+lbl>, q6 <int+lbl>, q8 <int+lbl>, q9 <int+lbl>, q10 <int+lbl>,
## #   q11 <int+lbl>, q12 <int+lbl>, q13 <int+lbl>, q14 <int+lbl>, q17 <int+lbl>,
```

```
## #   q18 <int+lbl>, q19 <int+lbl>, q20 <int+lbl>, q23 <int+lbl>, q24 <int+lbl>,
## #   q27 <int+lbl>, q28 <int+lbl>, q30 <int+lbl>, q31 <int+lbl>, ...
```

```
final %>% dplyr::select(responseid, q15) %>% unnest
```

```
## Warning: `cols` is now required when using unnest().
## Please use `cols = c(q15)`
```

```
## # A tibble: 237 x 2
##    responseid        q15
##    <chr>             <fct>
##  1 r_2wmm2lvbmh1orpx work part-time
##  2 r_2wmm2lvbmh1orpx freelance or consultant
##  3 r_2wmm2lvbmh1orpx disabled
##  4 r_2q4qjpgaxsukmgf <NA>
##  5 r_vrewuyzqhibqayp work full-time
##  6 r_1gqtftbydbmd1j2 work full-time
##  7 r_z42cqxelifeavej retired
##  8 r_1qb2mivxdjbz2q1 unemployed
##  9 r_30ddrhreayqrzxm work full-time
## 10 r_1ixckskopsgbfmy work part-time
## # ... with 227 more rows
```

```
sapply(colnames(survey), function(col) table(survey[col]))
```

```
## $responseid
##
## r_0gqsarmczkxxny9 r_0suwcgcqzgk53gx r_0xnq5jdoo5aosp3 r_10ushucwicnxyxt
##                1                 1                 1                1
## r_12kn8bxgjgtcpre r_12lqwucbvb5vcku r_1bvow69nzvq014o r_1bwbiirlur3xh7f
##                1                 1                 1                1
## r_1cihke6oxqiw8k9 r_1cls64280epptwt r_1dacjzuhu4obcx0 r_1dawrppatrfxmyd
##                1                 1                 1                1
## r_1dsg3kuksju3lmt r_1e5ivk5ozq2vo5i r_1edg1z0wjgindnp r_1ff0tr3rnuukglq
##                1                 1                 1                1
## r_1ff6a9czzphpsy2 r_1frea3dmrkf1hhk r_1gafr4up5ko8gyd r_1gcgb6t5xogv7mr
##                1                 1                 1                1
## r_1ghcik84pzwdjof r_1gojxtbjkyjjhgw r_1gqtftbydbmd1j2 r_1hi6g4oakfqemff
##                1                 1                 1                1
## r_1hz1ul9aq6nrszy r_1i3ps4znqc6v7bm r_1i84toyoakmse7p r_1iqqawdqjmvxcic
##                1                 1                 1                1
## r_1irmyuukm0k733r r_1iufd7mmvifev2f r_1ixckskopsgbfmy r_1jfco0zz8nb83s4
##                1                 1                 1                1
## r_1jv73bnkfqlztgg r_1kfd32zggu3tfza r_1kr3qrmhlzgy6ai r_1kug5kfxva353bc
##                1                 1                 1                1
## r_1mkmyrdditc2oii r_1mlvikqmo5j1ppk r_1mqawbqpaxnlc0z r_1mx5ihb75mdtcmj
##                1                 1                 1                1
## r_1n3lnjqvqerrupi r_1ntz8mabpndqeoi r_1obqn4x4rutcafx r_1omvrdb9sobiqus
##                1                 1                 1                1
## r_1otfctnhbwbg5sz r_1otifmuzoywk5rs r_1ozrni50mxu38go r_1p5efvufdrqptyo
##                1                 1                 1                1
## r_1pzkevms9cpedii r_1qau7reks3qtcww r_1qb2mivxdjbz2q1 r_1qbbrrreip74k0v
```

```
##                 1                 1                 1                 1
## r_1qej6cfvxupdt4y r_1qupyeqr5gurf5e r_1r84mbdv7waaexe r_1riizgx5ua1fhd3
##                 1                 1                 1                 1
## r_1zt4u1euainhwor r_21c7qujnrwsielk r_231mwgjarec6xfh r_231zcnsaawru7mr
##                 1                 1                 1                 1
## r_25hqtt6ckpyslgg r_25zge1p44zq57yv r_265dmzxdqozm4ph r_268zmpvvqaq2z3g
##                 1                 1                 1                 1
## r_27bafy3nkrxaz0d r_2969lz9d87qcx4v r_2ap3uoxtlkvp6zq r_2b4giibtzlysnga
##                 1                 1                 1                 1
## r_2bgjycpaqaqflx4 r_2cpyhssfck4tprw r_2d8opzfs4l0okpp r_2damytlb98jfbip
##                 1                 1                 1                 1
## r_2dxbjrtgvnkezhx r_2edzefjbs4cvfk9 r_2epcta0i9ijqvlr r_2fe77jbzta58xgc
##                 1                 1                 1                 1
## r_2fh7wjqsrhzc4pc r_2frmd92jr3tvrbu r_2ovymentwuc9ffl r_2pamiv0ycjuflpp
##                 1                 1                 1                 1
## r_2pqpmvulhrzrl0m r_2q4qjpgaxsukmgf r_2qdjlmo4ummgaan r_2qg7pca8fxwmguf
##                 1                 1                 1                 1
## r_2qrodxfgag7av42 r_2r1waziprstqkts r_2riwdpqghekc7uu r_2ro86tmi4jgsps6
##                 1                 1                 1                 1
## r_2rug9iu8lszyut3 r_2rvo1qi5veutay1 r_2s5ucfzkiw6g1zk r_2slf16fqxsf4qit
##                 1                 1                 1                 1
## r_2t9ho83bdanzbnc r_2tleo6hshmp2itf r_2tnhe7vqp6gyj3z r_2typncnegvdiidv
##                 1                 1                 1                 1
## r_2uazgnegtee0pu1 r_2ugfwnhpzsnoata r_2ustkft9bni6s7p r_2uuon757jufsfm2
##                 1                 1                 1                 1
## r_2uxzntw0luj6vei r_2v4p3vwgnsjpmka r_2vgm5noc7f1l7js r_2vjqvhwjt7di8ev
##                 1                 1                 1                 1
## r_2vl8jcpahlfprum r_2wmm2lvbmh1orpx r_2wtmpp7xxkoviqc r_2xditsmxgr5vedb
##                 1                 1                 1                 1
## r_2xggk246c8mces4 r_2xyggfalcsckzlj r_2yr8mgnla9gs3t7 r_2zitvhgctyry2cr
##                 1                 1                 1                 1
## r_2zymhrznh0fpoo0 r_2zz4xmx2sz0w6zk r_30ddrhreayqrzxm r_31im5ojkkheuyfb
##                 1                 1                 1                 1
## r_33c3cpp51jyprc2 r_33wggonvegu6trf r_3exr3c5rgboh89p r_3fvvkoj5qxfjtbn
##                 1                 1                 1                 1
## r_3gciseuahqlaqxe r_3h3h37tmgxopm8s r_3huhwlodudrxc1w r_3hwd0wrz2nqq42d
##                 1                 1                 1                 1
## r_3ihuznacquizwuq r_3jlfw4p4y5wurbd r_3kholeajuufukhp r_3kpuywaijw8cvzw
##                 1                 1                 1                 1
## r_3ktlrhnm6dcdmir r_3ls9ikxxypgraxw r_3lxyveadbmgz0qx r_3lymi9hdh1qsbhp
##                 1                 1                 1                 1
## r_3n60x0mzp3julvo r_3njh1kwtio2l53r r_3oflxfq3aeetnhl r_3onjv25gjb741kh
##                 1                 1                 1                 1
## r_3otpzrrirgtqnja r_3pbpwnfzvbdd4pu r_3pcvd9ffxdr2v5r r_3pgkeeyeojmm2ea
##                 1                 1                 1                 1
## r_3pkrr7bsorz2ibw r_3pnzqz8mqaqzprz r_3prhnl1m6kwyga0 r_3ptnrectdc1p9og
##                 1                 1                 1                 1
## r_3q4lwqqwlqggo2b r_3qvkaxproawkh41 r_3rjqu4goxczw5ro r_3ruiypqmoqncq6h
##                 1                 1                 1                 1
## r_3rxyh2pzr4lj9f6 r_3safofvcbjoefe1 r_4miwftrfvebwuyv r_5sx9j5mciidx9gb
##                 1                 1                 1                 1
## r_5yadohr4bnt6wk5 r_6gsxxnpapffz1u1 r_6hdntgqmkh3x30j r_6hgmsxs4dk7wrh3
##                 1                 1                 1                 1
## r_6lonesgefhsu05b r_6yd8fereqiaxn3j r_8cbjgae1oh2lzol r_9swicvhdkzfcwyr
```

```
##                 1                 1                 1                 1
## r_a4qfrrmtn9pb5i9 r_abpocobsemtsmkr r_aglnx273vutot8j r_avmjru3monmsqk1
##                 1                 1                 1                 1
## r_bl6rrbf6f72flvj r_bq7mqrdqqhwhgjl r_brsyyfdlgldxv6n r_cnqgeg4uncdyjgr
##                 1                 1                 1                 1
## r_csh2wiv6hoj2ohp r_dhabgb8y7n8tipd r_dpc6nw53jnzqbrp r_dtuzarz1xse2pkp
##                 1                 1                 1                 1
## r_dzrptw0rcmnuyxz r_e9wjddrdhsx5vad r_eyympba3erbjjjd r_ocjt70qtamed3oz
##                 1                 1                 1                 1
## r_ofmk9dlstgxqxnf r_op3fdkagxomvaqn r_ophs8nirswvsiqf r_pzfz6e2hhwjrowf
##                 1                 1                 1                 1
## r_pzjn0ykrvmzzazn r_qbjvit5mrwe9kwt r_qi6wnabjwjcp6fp r_qoqb1kjbd36hthf
##                 1                 1                 1                 1
## r_rpbvqdddvexm0cz r_rrzvmlw6xp1m0ib r_rtpp82p3n2rbg7v r_snlpmkl1xvc1ejp
##                 1                 1                 1                 1
## r_sthjlhfqu7rckz3 r_stwmtkajl4abykx r_tfiwphde6rhq5dh r_tk0mespbjzargqd
##                 1                 1                 1                 1
## r_u804fbgajdgfai5 r_uaxckyyh9gxxbbv r_uootbowiws0vhnj r_v23mdphs0drrjdz
##                 1                 1                 1                 1
## r_vieosywjrjcwe5r r_virynos4kqoa9oj r_vrewuyzqhibqayp r_vvgv5otg25epmal
##                 1                 1                 1                 1
## r_w6n3qdqbgyhtb0r r_wau740yzb9esd97 r_wurzwxidgmkq3ux r_xeedirovueub6zd
##                 1                 1                 1                 1
## r_xep9f2zszgkcuub r_xhmaypjg2oh9bdf r_xsoff5u33mrihz7 r_xttznvgvpsflzy9
##                 1                 1                 1                 1
## r_xw9bgqlq9igpl4t r_y4ii6pxwwyxlcfb r_y5npq7zjmnqv3qb r_y69vmsix89kihlr
##                 1                 1                 1                 1
## r_yjr7jypksypldwn r_z0uf7mfvlzxopsv r_z42cqxelifeavej r_z4zzoypiduqf9mx
##                 1                 1                 1                 1
## r_zylhwrnnxzbis5b
##                 1
##
## $q2
##
##   1   2
## 202   8
##
## $q3
##
##  0030 10002 10003 10008 10009 10010 10011 10014 10016 10019 10023 10024 10025
##     1     5     3     1     3     3     6     1     4     4     9     6     9
## 10026 10027 10030 10031 10034 10035 10036 10040 10065 10075 10128 10301 10302
##     3     4     1     3     5     4     3     1     1     2     1     1     1
## 10304 10308 10312 10314 10368 10451 10452 10453 10456 10457 10459 10460 10462
##     1     1     1     1     1     1     1     3     2     2     1     2     1
## 10463 10466 10467 10468 10750 11101 11201 11206 11209 11211 11212 11215 11216
##     4     2     1     1     1     1     1     1     1     1     1     6     3
## 11217 11218 11220 11221 11225 11226 11229 11230 11231 11234 11236 11238 11365
##     2     1     2     1     3     1     2     1     1     1     1     1     2
## 11367 11370 11372 11373 11375 11377 11412 11420 11433 11434 11435 11691 11692
##     1     1     2     2     3     2     1     2     1     4     1     4     2
##  1238 20459
##     1     1
##
```

```
## $q4
##
##                             104th st & west end ave
##                                                   1
##                            104th st. & west end ave
##                                                   1
##                            106 st and amsterdam ave
##                                                   1
##                                           10th ave
##                                                   1
##                             111 ave and linden blvd
##                                                   1
##              112th and frederick douglass boulevard
##                                                   1
##                                  113 st and 111ave
##                                                   1
##                                      118th madison
##                                                   1
##                            118th street and 1st ave
##                                                   1
##                      136th and adam clayton powell
##                                                   1
##                               13th and fifth avenue
##                                                   1
##                           142nd ave and latham lane
##                                                   1
##                                145th and broadway
##                                                   1
##                               14th and 5th avenue
##                                                   1
##                             150th st. and 72nd road
##                                                   1
##                                         169 boston
##                                                   1
##                          174 street and eastburn ave
##                                                   1
##                               1st ave. & 18th street
##                                                   1
##                         1st ave. and st. marks place
##                                                   1
##                          1st.avenue  and 2nd. avenue
##                                                   1
##                                          20/park
##                                                   1
##                               218 st and seaman ave
##                                                   1
##                               218 st. & seaman ave.
##                                                   1
##                          22nd street and 10th avenue
##                                                   1
##                       22nd street and park ave south
##                                                   1
##                             23 street and 2nd avenue
##                                                   1
```

```
##                                23rd st & 9th avenue
##                                                   1
##                                        29th and pas
##                                                   1
##                                   2nd and 3rd avenue
##                                                   1
##                          2nd ave and east 65th street
##                                                   1
##                                              3rd ave
##                                                   1
##                                           3rd avenue
##                                                   1
##                               43rd street & tenth ave
##                                                   1
##                             4th avenue and 12th street
##                                                   1
##                                 51st. and seventh ave.
##                                                   1
##                                           53rd and 8th
##                                                   1
##                                           57th and 9th
##                                                   1
##                             58th street and 41st drive
##                                                   1
##                                58th street and 4th ave
##                                                   1
##                       60th street and amsterdam avenue
##                                                   1
##                                  6th avenue and 3rd st
##                                                   1
##   70 street between freedom place and west end ave
##                                                   1
##                    70th street and northern boulevard
##                                                   1
##                                        73 & amsterdam
##                                                   1
##                                      74th & amsterdam
##                                                   1
##                                   77th st and 7th ave
##                                                   1
##                           78 street and second avenue
##                                                   2
##                               7th ave and 47th street
##                                                   1
##                             7th avenue and 3rd street
##                                                   2
##                                       86 and columbus
##                                                   1
##                                         8th and union
##                                                   1
##                                    8th ave & 55th st
##                                                   1
##                 8th avenue and w. 14th st., manhattan
##                                                   1
```

```
##                                9 avenue 24 street
##                                                 1
##                                     93 & broadway
##                                                 1
##                       96 street and columbus avenue
##                                                 1
##                              96 street&columbus ave
##                                                 1
##                                9th ave & w 22nd st
##                                                 1
##                       9th ave between 45th and 46th
##                                                 1
##                                amsterdam and 129th
##                                                 1
##                                     amsterdam ave
##                                                 1
##                        amsterdam ave and w.66th st.
##                                                 1
##                  anderson avenue and w 164th street
##                                                 1
##                                          atlantic
##                                                 1
##                                    ave n and ave m
##                                                 1
##                        avenue b and east 6th street
##                                                 1
##                            avenue n and east 3rd st
##                                                 1
##                                      beach 19th st
##                                                 1
##                    beach 46 and beach channel drive
##                                                 1
##          beach channel drive and beach 69th street
##                                                 1
##                                           bedford
##                                                 1
##                            bedford and kings highway
##                                                 1
##                          bedford ave and lincoln rd
##                                                 1
##                                britton av and judge
##                                                 1
##                                         broadway
##                                                 3
##                                     broadway & 102
##                                                 1
##                                  broadway and 193rd
##                                                 1
##                                  broadway and 225th
##                                                 1
##     broadway and tiemann place (near 125th street)
##                                                 1
##                            broadway and w93rd street
##                                                 1
```

```
##                         broadway and west 101st st.
##                                                   1
##                                    bronx and yonkers
##                                                   1
##                                 brooks ave and 142 st
##                                                   1
##                           cedar and sedgwick avenues
##                                                   1
##                               cedar and west tremont
##                                                   1
##                              cedar ave and w tremont
##                                                   1
##                               columbus and west 62nd
##                                                   1
##                             columbus and west 62nd st
##                                                   1
##                                  convent/129th street
##                                                   1
##                    cornaga avenue and dickens street
##                                                   1
##                              court st and carroll st
##                                                   1
##                    dickens street and cornaga avenue
##                                                   1
##                    dyckman street and academy street
##                                                   1
##                                 dyre ave and light st
##                                                   1
##                    east 18th street and quentin road
##                                                   1
##                east 222nd street and carpenter avenue
##                                                   1
##                                 east20th and avenue c
##                                                   1
##                               empire blvd and rogers ave
##                                                   1
##                                    essex and delancey
##                                                   1
##                      essex street and stanton street
##                                                   2
##                                farmers and linden blvd
##                                                   1
##                                         flatbush ave
##                                                   1
##                                foch and sutphin blvd
##                                                   1
##                               fordham and grandconcourse
##                                                   1
##                                       fordham rd
##                                                   1
##                                franklin and sterling
##                                                   1
##                                         franklin ave
##                                                   1
```

```
##                  frederick douglas & manhattan ave
##                                                  1
##            frederick douglass blvd. & w. 115th st.
##                                                  1
##                           grand ave and queens blvd
##                                                  1
##  grand central parkway & horace harding expressway
##                                                  1
##           grand central parkway and horace harding
##                                                  1
##                                           grand st
##                                                  1
##                                        grand street
##                                                  1
##                              greene ave and broadway
##                                                  1
##                                     guy brewer blvd
##                                                  1
##                  guy r brewer blvd and 137th street
##                                                  1
##                                          hatfield
##                                                  1
##         horace harding expressway and 161st street
##                                                  1
##                                  indian rd & 218 st
##                                                  1
##                             jackson ave and 49th ave
##                                                  1
##                      jefferson blvd and sheldon ave
##                                                  1
##                                       jules drive
##                                                  1
##                     junction blvd and northern blvd
##                                                  1
##                              junius st & liberty ave
##                                                  1
##                        kappock and independence ave
##                                                  1
##                                       kingsbridge
##                                                  1
##                     lexington avenue & 38th street
##                                                  1
##                                light st & dyre ave
##                                                  1
##                               madison ave and e.116
##                                                  1
##                                    madison street
##                                                  1
##                               malcolm x and acp blvd
##                                                  1
##                                    marcy and greene
##                                                  1
##                                  merrick and linden
##                                                  1
```

```
##                                   morris avenue
##                                              1
##                     noll street and evergreen ave
##                                              1
##                       northern blvd & 90th street
##                                              1
##                                  not applicable
##                                              1
##                                     oakdale ave
##                                              1
##                        ocean ave & st paul's pl
##                                              1
##                              pacific and nevins
##                                              1
##                                       park ave
##                                              1
##                                    payson ave
##                                              1
##                                  pelham parkway
##                                              1
##                        putnam ave and marcy ave
##                                              1
##                          queens blvd & 73rd ave
##                                              1
##                  queens boulevard and 57th street
##                                              1
##                      richmond road and clove road
##                                              1
##                    riverside drive & 153rd street
##                                              1
##                    rockaway beach blvd & 54th st
##                                              1
##                  second avenue and fifth street
##                                              1
##                           southern blvd & fordham
##                                              1
##                     st. johns and bedford avenue
##                                              1
##                               sutphin and jamaica
##                                              1
##                                    taylor ave
##                                              1
##                          tehama st and dahill rd
##                                              1
##                                    under hill
##                                              1
##                     union street and seventh avenue
##                                              1
##                              vanderbilt and park pl
##                                              1
##                                  w 70 & broadway
##                                              1
##                west 100th street/central park west
##                                              1
```

```
## west 112th street and frederick douglass boulevard
##                                                  1
##                           west 22nd st and 10th ave
##                                                  1
##                                           west 82
##                                                  1
##                       west end ave and west 77th st
##                                                  1
##                     west end avenue and 83rd street
##                                                  1
##                 west end avenue and west 79th street
##                                                  1
##                     westchester av and southern blvd
##                                                  1
##                                    willow and clark
##                                                  1
##
## $q5
##
##            >65             19             22             27             28
##              1              1              1              3              2
##             29             30             31             34             35
##              1              1              1              4              2
##             36   36 years old             37             38             39
##              4              1              3              3              2
##             40            40+             41             42             43
##              3              1              6              5              1
##             44             45             46             47             48
##              3              4              2              7              5
##             49             50             51             53             54
##              3              4              3              4              2
##             55             56             57             58             59
##              4              2              6              5              2
##              6             60            60s             61             62
##              1              5              2              2              3
##             63             64             65            65+             66
##              2              2              4              1              2
##             67             68             69             70             71
##              4              2              4              2              1
##             72             73             74             75             76
##              5              2              4              8              3
##             77             78             81             83             87
##              5              1              1              1              1
##             88             89 not applicable
##              1              1              1
##
## $q6
##
##   1   2   3   4   6
##  43 122   4   1   5
##
## $q7
##
##   1 1,2 1,3 1,4 1,7   2 2,3 2,4 2,5 2,7 2,8   3 3,7   5   7 7,8   8
```

```
##  21   1   2   1   1  92   2   2   1   1   1  24   2   6   6   1  11
##
## $q7_7_text
##
##                  african east indian  from guyana                    irish
##                        2                        1                        1
##        jamaican/egyptian                   jewish                      mix
##                        1                        1                        1
##
## $q8
##
##  1  2  3  4  5
## 62 70 18 14 11
##
## $q9
##
##  1  2  3  4  5  6  7  8
## 29 19 31  5  1 22 50 18
##
## $q9_6_text
##
##         altruism          atheist          baptist         buddhist
##                1                1                3                3
##        christian  ethical culture non-denomination              sda
##                3                2                1                1
##
## $q10
##
##   1   2   3   4   5
## 117  24  12   7  15
##
## $q10_4_text
##
##    queer straight
##        5        1
##
## $q11
##
##   1   2
##  47 128
##
## $q12
##
##  1  2  3  4  5  6  7  8  9
##  2  7 24  8 56 49 13 15  1
##
## $q12_9_text
##
## bachelors and additional studies not leading to degree
##                                                      1
##
## $q13
##
##  1 10 11 12 13 14 15  2  3  4  5  6  7  8  9
```

```
## 17  3  8 22 16  8  7 13  9  7  6 14  9  9 10
##
## $q14
##
##  1 10 11 12 13 14 16  2  3  4  5  6  7  8  9
## 14 12 20 12  7  8 12 12 13  6  2 15 15  8  2
##
## $q15
##
##      1    1,2    1,3  1,4,7     10  10,11     11      2    2,3  2,3,9    2,5
##     59      2      2      1      6      1      2      7      1      1      1
##    2,7    2,8      3    3,8      4      5      6      7      8   8,11 8,9,11
##      1      3     12      2      1      3      5      2     35      1      1
##      9
##      9
##
## $q16
##
##        1     1,12      1,2      1,3      1,6      1,7       10       11
##       53        1        1        3        1        1        8       11
##       12        2 2,3,7,10      2,5      2,8        3     3,10     3,12
##        4        8        1        1        2        7        1        1
##      3,8        4        5        6        7        8  8,10,12
##        3        1        3        6        1       39        1
##
## $q17
##
## 1 2 3 4
## 2 3 1 5
##
## $q18
##
## 2
## 2
##
## $q19
##
##  1  2  3  4
## 42 30 20 66
##
## $q20
##
##  1  2  3  4  5  6  7  8
## 26  5 31 66 13 10  4  3
##
## $q21
##
##                  1               1,10        1,2,3,5,7,8            1,4,5,9
##                  1                  2                  1                  1
##                1,5               1,5,10             1,5,11          1,5,6,9,10
##                  2                  2                  1                  1
##                1,6               1,7,8                 10              10,11
##                  2                  1                 10                  1
##                 11               2,10        2,3,4,5,6,7 2,3,4,5,6,7,8,10,11
```

```
##                   8                   2                   1                   1
##           2,3,4,7,8           2,3,5,10           2,3,7,11      2,4,5,7,8,9,10
##                   2                   1                   1                   1
##          2,4,5,8,10          2,4,6,10          2,4,7,10          2,4,7,8,10
##                   1                   1                   1                   1
##                 2,5                2,5,10             2,5,6,7                2,5,8
##                   1                   3                   1                   1
##            2,5,8,10          2,6,7,8,10                2,7                2,7,8
##                   1                   1                   1                   2
##       3,4,5,6,10,11                   4                4,5,11                4,5,6
##                   1                   2                   1                   2
##                4,6,9                 4,7                4,7,8                   5
##                   1                   1                   2                   5
##                5,10                5,11                5,6,10           5,6,10,11
##                   3                   2                   2                   1
##            5,6,7,10                5,7,10                 5,9                   6
##                   1                   1                   1                   4
##                6,10               6,10,11                6,11              6,7,10
##                   2                   2                   1                   1
##                   7                7,10                7,8                7,8,10
##                   3                   1                   4                   1
##            7,8,9,10                   8                8,10                8,9,10
##                   2                   1                   1                   1
##                   9
##                   3
##
## $q21_11_text
##
##
##
##
##
##
##
##
##                                                                                 difficulty deciding
##
##
##
## difficulty signing up for unemployment insurance; difficulty applying for health insurance as a type
##
##                                                                                     felt unsafe usi
##
##
##
##
##
##
##
##
##
##
##
```

```
##
##
##
##
##
##
##
##
##
## $q22
##
##   1 1,2 1,3   2 2,3 2,4   3 3,4 3,6   4   5   6
##  20   2   9  40  10   2  33   6   1  27   4   2
##
## $q23
##
##   1   2   3
## 127  22   7
##
## $q24
##
##  1 12 13  2  3  4  6  7  8
## 25  7  7 20  2  6 46 39  4
##
## $q25_1
##
##   0  01   1   2 n/a   o
##  96   1  38  14   2   1
##
## $q25_2
##
##   0   1   2   3   4   6 one
##  45  43  46  12   4   1   1
##
## $q25_3
##
##   0   1   2   3   4   5 n/a   o
## 114  19  10   3   1   1   2   2
##
## $q25_4
##
##   0   1   2 n/a   o
## 137  10   1   2   2
##
## $q26
##
##   1 1,2 1,3 1,5 1,8   2   3   4   5   6   8
##  18   2   1   1   1   1   3   3   1   2   7
##
## $q26_8_text
##
## and district 75 school too it is not a typical district school
##                                                                 1
##                                                          at home
```

```
##                                                          1
##                                                  catholic
##                                                          1
##                                                   charter
##                                                          1
##                                                dont attend yet
##                                                          1
##                                                      n/a
##                                                          1
##                                                     none
##                                                          1
##
## $q27
##
##  1  2
## 33  1
##
## $q28
##
## 1
## 1
##
## $q28_4_text
## < table of extent 0 >
##
## $q29
##
##         1       1,2   1,2,3,5     1,2,4   1,2,4,5 1,2,4,5,8     1,3,5   1,3,5,6
##         8         2         1         1         2         1         2         1
##       1,4   1,4,5,6       1,5     1,5,6       1,7         2         7         8
##         1         3         2         2         1         2         6         4
##
## $q29_8_text
##
##                    child too young                  mask and mandates
##                                  1                                  1
## required covid vaccine for school    the uncertainty of the future.
##                                  1                                  1
##
## $q30
##
##  1  2
## 16  9
##
## $q31
##
##  1  2
##  6 15
##
## $q32
##
##  1  2  3
## 43 40 55
##
```

```
## $q33_1
##
##  1  2  3  4  5
## 11 52 34 27 14
##
## $q33_2
##
##  1  2  3  4  5
## 19 53 32 18 16
##
## $q33_3
##
##  1  2  3  4  5
## 19 48 33 20 18
##
## $q34_1
##
##  1  2  3  4  5
## 19 54 34 26  5
##
## $q34_2
##
##  1  2  3  4  5
##  5 25 47 37 24
##
## $q34_3
##
##  1  2  3  4  5
## 20 46 27 15 30
##
## $q34_4
##
##  1  2  3  4  5
##  4 28 26 18 62
##
## $q34_5
##
##  1  2  3  4  5
## 11 58 28 29 12
##
## $q34_6
##
##  1  2  3  4  5
##  3 21 30 27 57
##
## $q34_7
##
##  1  2  3  4  5
## 16 47 28 14 33
##
## $q34_8
##
##  1  2  3  4  5
## 10 30 30 27 41
```

```
##
## $q34_9
##
##  1  2  3  4  5
##  7 33 36 43 19
##
## $q35_1
##
##           1         1,2   1,2,3,4,5 1,2,3,4,5,6     1,2,3,5       1,2,5
##           4           2           3           1           3          10
##       1,3,5       1,4,5         1,5           2         2,3       2,3,4
##           2           2           8          11           3           1
##     2,3,4,5       2,3,5       2,4,5         2,5       2,5,6           3
##           1           3           1          13           1           1
##         3,6           4         4,5           5         5,6           6
##           2           1           1          49           3          12
##
## $q35_2
##
##           1   1,2,3,4,5 1,2,3,4,5,6     1,2,3,5       1,3,5           2
##           1           2           1           1           2           4
##         2,3       2,3,4     2,3,4,5       2,3,5       2,3,6         2,4
##           8           1           1           4           1           1
##       2,4,5         2,5           3         3,4         3,5           4
##           1           4          28           2          10           3
##         4,5           5         5,6           6
##           2          34           2          25
##
## $q35_3
##
##           1         1,2       1,2,3   1,2,3,4,5 1,2,3,4,5,6     1,2,3,5
##           1           2           6           4           1          10
##     1,2,3,6       1,2,5           2         2,3     2,3,4,5       2,3,5
##           1           5          17           8           2           5
##     2,3,5,6       2,4,5       2,5         2,5,6           3         3,5
##           1           1          11           1           7           4
##           4           5         5,6           6
##           4          27           1          19
##
## $q35_4
##
##       1,2,3   1,2,3,4,5 1,2,3,4,5,6     1,2,3,5       1,2,5       1,2,6
##           1           3           1           3           3           1
##         1,6           2         2,3       2,3,4     2,3,4,5       2,3,5
##           1           9           5           1           2           2
##       2,3,6         2,5           3         3,4         3,5         3,6
##           2           4          51           1           3           2
##           4         4,5           5           6
##           3           1           9          30
##
## $q35_5
##
##         1,2       1,2,3   1,2,3,4,5 1,2,3,4,5,6     1,2,3,5           2
##           2           1           3           1           6          12
```

```
##         2,3       2,3,4     2,3,4,5       2,3,5       2,3,6         2,4
##          15           5           3           5           2           1
##         2,5           3         3,4       3,4,6         3,5         3,6
##           1          29           2           1           4           3
##           4         4,5           5           6
##          12           3          11          16
##
## $q35_6
##
##       1,2,3   1,2,3,4,5 1,2,3,4,5,6     1,2,3,5       1,2,5           2
##           2           4           1           2           1           6
##         2,3       2,3,4     2,3,4,5       2,3,5       2,3,6         2,4
##          10           1           3           4           1           2
##         2,5         2,6           3         3,4       3,4,6         3,5
##           2           1          30           2           1           5
##         3,6           4         4,5           5         5,6           6
##           2          11           1          17           2          27
##
## $q35_7
##
##       1,2,3   1,2,3,4,5 1,2,3,4,5,6     1,2,3,5       1,2,5       1,3,5
##           3           4           1           2           1           1
##         1,6           2     2,3,4,5       2,3,5     2,3,5,6         2,5
##           1           7           1           2           1           1
##         2,6           3       3,4,5         4,5           5         5,6
##           1           2           1           2          26           3
##           6
##          78
##
## $q35_8
##
##           1         1,2       1,2,3   1,2,3,4,5 1,2,3,4,5,6     1,2,3,5
##           2           1           3           6           1           5
##       1,2,5         1,3       1,3,5           2         2,3     2,3,4,5
##           4           2           1           8           5           3
##       2,3,5     2,3,5,6       2,4,5         2,5           3       3,4,5
##           5           1           1           6           5           1
##         3,5         3,6           4           5           6
##           1           1           1          20          55
##
## $q36
##
##     1   1,2 1,2,3     2     3
##    18     3     1     2   114
##
## $q37
##
##  1  2  3
## 21 41 76
##
## $q38
##
##   1 1,2   2   3 3,4   4
##  19   9  11  88   1   2
```

```
##
## $q39
##
##   1   2   3
## 124   2   4
##
## $q40
##
##  1  2  3  4
## 88 30  4  2
##
## $q41_1
##
##  1  2  3  4  5
## 22 22 49 23 14
##
## $q41_2
##
##  1  2  3  4  5
##  4  8 45 42 31
##
## $q41_3
##
##  1  2  3  4  5
##  3 16 58 37 16
##
## $q41_4
##
##  1  2  3  4  5
## 31 31 45 18  5
##
## $q42
##
##           1       1,2,3     1,2,3,4 1,2,3,4,5,6   1,2,3,5,6     1,2,3,6
##           2           1           1          12           4           1
##   1,3,4,5,6     1,3,4,6       1,3,5     1,3,5,6   1,3,5,6,7   1,3,5,6,8
##           3           1           1           8           1           1
##       1,3,6     1,4,5,6       1,4,6         1,5         1,6           2
##           2           1           1           1           3           2
##         2,3   2,3,4,5,6     2,3,4,6     2,3,5,6       2,3,6       2,5,6
##           2           1           1           3           1           1
##         2,6           3       3,4,5     3,4,5,6     3,4,5,8       3,4,6
##           1           3           1           6           1           3
##         3,5       3,5,6         3,6       4,5,6           5         5,6
##           1          13           7           2           3           4
##       5,6,8           6         6,8           7           8
##           1           7           1          16           5
##
## $q42_8_text
##
##                                                                                                                  asked for
##
##                                                                                                              hesitant to take long
##
```

```
##                                                                                 i am hesitant to enter venue where
##
##                                                                                     i am hesitant to go anywhere th
##
##                                                                                                   i am worried abou
##
## i feel hesitency most times when it involves interacting with those i don't know yet i have to do it
##
##                                                                                                      i hesitate to
##
##
##
##                                                                                                             i was n
##
##
## $q43
##
##  1  2  3
## 80 36 14
##
## $q44
##
##
##
##
##
##
##
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##
##
##
##
##
##                                                                     i feel unsafe in nyc. i hope the
##
##
##
##
##
##
##
##
##
##
##
##                           i was forced to get a shot that i’m allergic to in order to keep the job i
##
##
##
##
##
## i worked two jobs before covid, so even though i was employed throughout, i lost half my income, did
##
##
##
##
##
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##
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##
##
##
##
##
##
##
##
##
```

##
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##
##
##
##
##
please allow hra resume proving clients with a picture on their ebt card. it woul
##
##
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##
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##
##
##
##
the city's
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##
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##
##

```
##
##
##
##
##
##
##
##
##
## $q45
##
##
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##
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##
##
##
##
##
##
##
##
##
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##
##
##
##
##
##
##
##
##                                                                                          go away - i
##
##
##
##
##
## i was forced to get a shot that i'm allergic to in order to keep the job i have because the accommoda
##
##
##
##
```

```
##
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##
##
```

Upload files to google drive

```
today <- gsub("-", "", Sys.Date())
googledrive_path <- "Communities Speak/Subteams/Data Subteam/cleaning/"

write_csv(survey_codebook, paste0("../data/codebook/survey_question_codebook_", today, ".csv"))
drive_upload(media = paste0("../data/codebook/survey_question_codebook_", today, ".csv"),
             path = paste0(googledrive_path, "data/survey_question_codebook_",
                           today, ".csv"),
             type = "spreadsheet", overwrite = TRUE)
```

```
## ! Using an auto-discovered, cached token.

##   To suppress this message, modify your code or options to clearly consent to
##   the use of a cached token.

##   See gargle's "Non-interactive auth" vignette for more details:

##   <https://gargle.r-lib.org/articles/non-interactive-auth.html>

## i The googledrive package is using a cached token for 'aeh2196@columbia.edu'.

## Local file:

## * '../data/codebook/survey_question_codebook_20220125.csv'

## Uploaded into Drive file:

## * 'survey_question_codebook_20220125'
##   <id: 1hDq8U9o1hOkBEmuuIZxITndbnObPOpqCdCc2vGNwkdA>
```

```
## With MIME type:

## * 'application/vnd.google-apps.spreadsheet'
```

```
drive_upload(media = "communities_speak.Rmd",
             path = paste0(googledrive_path, "code/cleaning_script_", today, ".Rmd"),
             overwrite = TRUE)
```

```
## File trashed:

## * 'cleaning_script_20220125.Rmd' <id: 1DOsNrnVyMX-SBhVwLmuxAFgH70WdnJC2>

## Local file:

## * 'communities_speak.Rmd'

## Uploaded into Drive file:

## * 'cleaning_script_20220125.Rmd' <id: 1RGJGTg11RlLL4WcYxMaJ-bLcxM6XtnSc>

## With MIME type:

## * 'text/x-markdown'
```

```
#drive_upload(media = "communities_speak.pdf", path = paste0(googledrive_path, "code/cleaning_script_",
drive_upload(media = "functions/fixup.R", path = paste0(googledrive_path, "code/functions/fixup.R"), ov
```

```
## File trashed:

## * 'fixup.R' <id: 1SUz3G2sqggyvgdQu2SpVUxwrBYMae9FO>

## Local file:

## * 'functions/fixup.R'

## Uploaded into Drive file:

## * 'fixup.R' <id: 1KmDfzJ71tyPXLGiyqb4qLdL0C1ZrWQrm>

## With MIME type:

## * 'text/plain'
```

Old code that may be useful later

```
gs4_auth(email = "aeh2196@columbia.edu")
drive_download("Combined dataset baseline individual survey.xlsx", type = "xlsx", overwrite = TRUE)
#raw <- read_xlsx("Prolific_Baseline_06-15.xlsx")
#raw <- read_xlsx("Combined dataset baseline individual survey.xlsx")
consolidated <- read_xlsx("Consolidated_14th_Jan.xlsx", sheet = 2) %>%
  rename_all(str_to_lower)
  #rename_all(str_replace_all, pattern = "- ", replacement = "") %>%
  #rename_all(str_replace_all, pattern = " ", replacement = "_")
bors <- read_xlsx("Consolidated_14th_Jan.xlsx", sheet = 3)

bor_dict <- bors[,1:2] %>% rename(Zipcode = `What is your zip code?`, Bor = `Borough...2`) %>% mutate(Z
  bind_rows(bors[,3:4] %>% rename(Bor = `Borough...4`))

colSums(is.na(bor_dict))
filter(bor_dict, is.na(Zipcode))

colSums(is.na(bors))
```

```
levels <- colnames(raw %>% select(contains("which of these groups")))
unique_values <- raw %>% select(contains('which of these groups')) %>% unlist()
table(unique_values)

raw %>% select('Response ID', contains("Which of these groups")) %>%
  # get rid of the handful of really weird responses, come back to how to handle those
  filter(across())

  pivot_longer(cols = contains("Which of these groups"), names_to = "income", values_to = "year") %>% f
  group_by(`Response ID`, year) %>%

  summarize(income = paste(income, collapse = ",")) %>% # compiles people who responded multiple years

   #twice and 2021 once, think about how to fix this
  group_by(`Response ID`, income) %>%
#  filter(`Response ID` == "R_1CCGrlsHnlkQMyc")
  tidytext::unnest_tokens(output = year, token = "regex", input = year, pattern = ",") %>%
  # gets rid of people who responded with more than one income bracket
  filter(income %in% levels) %>%
  mutate(income = factor(income, levels = levels, labels = c(1:15)),
         year = paste0("income", year)) %>%
  #filter(`Response ID` == "R_1CCGrlsHnlkQMyc")
  pivot_wider(id_cols = `Response ID`, names_from = year, values_from = "income") %>% unnest() %>% pull
  #filter(`Response ID` == "R_Ui7F7cVuKTOA1AR") # this one filled in 2019
```