Diagnostics of Variables

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Load the data.

```
library(here)
library(tidyverse)

#source("1_data_import.R")

source(here("R_Scripts", "2_recodes.R"))
```

Data Dictionary

```
on22 %>%
  select(-Q37) %>%
  lookfor(., details=c("basic")) %>%
  lookfor_to_long_format( ) %>%
  as_tibble(.) %>%
  print(., n=1000)
```

```
## # A tibble: 453 x 6
##       pos variable           label          col_type levels value_labels
##     <int> <chr>              <chr>          <chr>    <chr>  <chr>
## 1       1 StartDate          "Start Date"   dttm     <NA>   <NA>
## 2       2 EndDate            "End Date"     dttm     <NA>   <NA>
## 3       3 Status             "Response Ty~  dbl+lbl  <NA>   "[0] IP Address"
## 4       3 Status             "Response Ty~  dbl+lbl  <NA>   "[1] Survey Previ~
## 5       3 Status             "Response Ty~  dbl+lbl  <NA>   "[2] Survey Test"
## 6       3 Status             "Response Ty~  dbl+lbl  <NA>   "[4] Imported"
## 7       3 Status             "Response Ty~  dbl+lbl  <NA>   "[8] Spam"
## 8       3 Status             "Response Ty~  dbl+lbl  <NA>   "[9] Survey Previ~
## 9       3 Status             "Response Ty~  dbl+lbl  <NA>   "[12] Imported Sp~
## 10      3 Status             "Response Ty~  dbl+lbl  <NA>   "[16] Offline"
## 11      3 Status             "Response Ty~  dbl+lbl  <NA>   "[17] Offline Sur~
## 12      3 Status             "Response Ty~  dbl+lbl  <NA>   "[32] EX"
## 13      3 Status             "Response Ty~  dbl+lbl  <NA>   "[40] EX Spam"
## 14      3 Status             "Response Ty~  dbl+lbl  <NA>   "[48] EX Offline"
## 15      4 Progress           "Progress"     dbl      <NA>   <NA>
## 16      5 Duration__in_seconds_ "Duration (i~ dbl    <NA>   <NA>
## 17      6 Finished           "Finished"     dbl+lbl  <NA>   "[0] False"
## 18      6 Finished           "Finished"     dbl+lbl  <NA>   "[1] True"
## 19      7 RecordedDate       "Recorded Da~  dttm     <NA>   <NA>
## 20      8 ResponseId         "Response ID"  chr      <NA>   <NA>
## 21      9 Consent2           "If you are ~  dbl+lbl  <NA>   "[1] I consent to~
## 22      9 Consent2           "If you are ~  dbl+lbl  <NA>   "[2] I do not con~
```

```
## 23    10 Q1              "On the whol~ dbl+lbl  <NA>   "[1] Very satisfi~
## 24    10 Q1              "On the whol~ dbl+lbl  <NA>   "[2] Fairly satis~
## 25    10 Q1              "On the whol~ dbl+lbl  <NA>   "[3] Not very sat~
## 26    10 Q1              "On the whol~ dbl+lbl  <NA>   "[4] Not at all s~
## 27    11 Q2              "On the whol~ dbl+lbl  <NA>   "[1] Very satisfi~
## 28    11 Q2              "On the whol~ dbl+lbl  <NA>   "[2] Fairly satis~
## 29    11 Q2              "On the whol~ dbl+lbl  <NA>   "[3] Not very sat~
## 30    11 Q2              "On the whol~ dbl+lbl  <NA>   "[4] Not at all s~
## 31    12 Q3              "What is the~ chr      <NA>    <NA>
## 32    13 Q4_1            "How interes~ dbl      <NA>    <NA>
## 33    14 Q5_1            "How interes~ dbl      <NA>    <NA>
## 34    15 Q6a             "Did you hap~ dbl+lbl  <NA>   "[1] Yes"
## 35    15 Q6a             "Did you hap~ dbl+lbl  <NA>   "[2] No"
## 36    15 Q6a             "Did you hap~ dbl+lbl  <NA>   "[3] Not eligible~
## 37    16 Q6b             "Which party~ dbl+lbl  <NA>   "[1] Ontario Libe~
## 38    16 Q6b             "Which party~ dbl+lbl  <NA>   "[2] Progressive ~
## 39    16 Q6b             "Which party~ dbl+lbl  <NA>   "[3] Ontario New ~
## 40    16 Q6b             "Which party~ dbl+lbl  <NA>   "[4] Green Party ~
## 41    16 Q6b             "Which party~ dbl+lbl  <NA>   "[5] Another part~
## 42    17 Q6b_5_TEXT      "Which party~ chr      <NA>    <NA>
## 43    18 Q7              "The Ontario~ dbl+lbl  <NA>   "[1] Certain to v~
## 44    18 Q7              "The Ontario~ dbl+lbl  <NA>   "[2] Likely to vo~
## 45    18 Q7              "The Ontario~ dbl+lbl  <NA>   "[3] Unlikely to ~
## 46    18 Q7              "The Ontario~ dbl+lbl  <NA>   "[4] Certain not ~
## 47    18 Q7              "The Ontario~ dbl+lbl  <NA>   "[5] I already vo~
## 48    18 Q7              "The Ontario~ dbl+lbl  <NA>   "[6] I am not eli~
## 49    19 Q8              "Which party~ dbl+lbl  <NA>   "[1] Ontario Libe~
## 50    19 Q8              "Which party~ dbl+lbl  <NA>   "[2] Progressive ~
## 51    19 Q8              "Which party~ dbl+lbl  <NA>   "[3] Ontario New ~
## 52    19 Q8              "Which party~ dbl+lbl  <NA>   "[4] Green Party ~
## 53    19 Q8              "Which party~ dbl+lbl  <NA>   "[5] Another part~
## 54    19 Q8              "Which party~ dbl+lbl  <NA>   "[6] Don't know"
## 55    20 Q8_5_TEXT       "Which party~ chr      <NA>    <NA>
## 56    21 Q9              "If you deci~ dbl+lbl  <NA>   "[1] Ontario Libe~
## 57    21 Q9              "If you deci~ dbl+lbl  <NA>   "[2] Progressive ~
## 58    21 Q9              "If you deci~ dbl+lbl  <NA>   "[3] Ontario New ~
## 59    21 Q9              "If you deci~ dbl+lbl  <NA>   "[4] Green Party ~
## 60    21 Q9              "If you deci~ dbl+lbl  <NA>   "[5] Another part~
## 61    21 Q9              "If you deci~ dbl+lbl  <NA>   "[6] Don't know"
## 62    22 Q9_5_TEXT       "If you deci~ chr      <NA>    <NA>
## 63    23 Q10             "For which p~ dbl+lbl  <NA>   "[1] Ontario Libe~
## 64    23 Q10             "For which p~ dbl+lbl  <NA>   "[2] Progressive ~
## 65    23 Q10             "For which p~ dbl+lbl  <NA>   "[3] Ontario New ~
## 66    23 Q10             "For which p~ dbl+lbl  <NA>   "[4] Green Party ~
## 67    23 Q10             "For which p~ dbl+lbl  <NA>   "[5] Another part~
## 68    24 Q10_5_TEXT      "For which p~ chr      <NA>    <NA>
## 69    25 Q11             "Is there a ~ dbl+lbl  <NA>   "[1] Ontario Libe~
## 70    25 Q11             "Is there a ~ dbl+lbl  <NA>   "[2] Progressive ~
## 71    25 Q11             "Is there a ~ dbl+lbl  <NA>   "[3] Ontario New ~
## 72    25 Q11             "Is there a ~ dbl+lbl  <NA>   "[4] Green Party ~
## 73    25 Q11             "Is there a ~ dbl+lbl  <NA>   "[5] Another part~
## 74    25 Q11             "Is there a ~ dbl+lbl  <NA>   "[6] Don't know"
## 75    25 Q11             "Is there a ~ dbl+lbl  <NA>   "[7] I do not int~
## 76    26 Q11_5_TEXT      "Is there a ~ chr      <NA>    <NA>
```

```
## 77    27 Q12_1           "Are there a~ dbl+lbl  <NA>   "[1] Ontario Libe~
## 78    28 Q12_2           "Are there a~ dbl+lbl  <NA>   "[1] Progressive ~
## 79    29 Q12_3           "Are there a~ dbl+lbl  <NA>   "[1] Ontario New ~
## 80    30 Q12_4           "Are there a~ dbl+lbl  <NA>   "[1] Green Party ~
## 81    31 Q12_5           "Are there a~ dbl+lbl  <NA>   "[1] Another part~
## 82    32 Q12_6           "Are there a~ dbl+lbl  <NA>   "[1] Don't know"
## 83    33 Q12_7           "Are there a~ dbl+lbl  <NA>   "[1] I could vote~
## 84    34 Q12_5_TEXT      "Are there a~ chr      <NA>   <NA>
## 85    35 Q13_1           "How do you ~ dbl      <NA>   <NA>
## 86    36 Q13_2           "How do you ~ dbl      <NA>   <NA>
## 87    37 Q13_3           "How do you ~ dbl      <NA>   <NA>
## 88    38 Q13_4           "How do you ~ dbl      <NA>   <NA>
## 89    39 Q14_1           "Using the s~ dbl      <NA>   <NA>
## 90    40 Q14_2           "Using the s~ dbl      <NA>   <NA>
## 91    41 Q14_3           "Using the s~ dbl      <NA>   <NA>
## 92    42 Q14_4           "Using the s~ dbl      <NA>   <NA>
## 93    43 Q15_1           "Which provi~ dbl+lbl  <NA>   "[1] Ontario Libe~
## 94    43 Q15_1           "Which provi~ dbl+lbl  <NA>   "[2] Ontario New ~
## 95    43 Q15_1           "Which provi~ dbl+lbl  <NA>   "[3] Progressive ~
## 96    43 Q15_1           "Which provi~ dbl+lbl  <NA>   "[4] Green Party ~
## 97    44 Q15_2           "Which provi~ dbl+lbl  <NA>   "[1] Ontario Libe~
## 98    44 Q15_2           "Which provi~ dbl+lbl  <NA>   "[2] Ontario New ~
## 99    44 Q15_2           "Which provi~ dbl+lbl  <NA>   "[3] Progressive ~
## 100   44 Q15_2           "Which provi~ dbl+lbl  <NA>   "[4] Green Party ~
## 101   45 Q15_3           "Which provi~ dbl+lbl  <NA>   "[1] Ontario Libe~
## 102   45 Q15_3           "Which provi~ dbl+lbl  <NA>   "[2] Ontario New ~
## 103   45 Q15_3           "Which provi~ dbl+lbl  <NA>   "[3] Progressive ~
## 104   45 Q15_3           "Which provi~ dbl+lbl  <NA>   "[4] Green Party ~
## 105   46 Q15_4           "Which provi~ dbl+lbl  <NA>   "[1] Ontario Libe~
## 106   46 Q15_4           "Which provi~ dbl+lbl  <NA>   "[2] Ontario New ~
## 107   46 Q15_4           "Which provi~ dbl+lbl  <NA>   "[3] Progressive ~
## 108   46 Q15_4           "Which provi~ dbl+lbl  <NA>   "[4] Green Party ~
## 109   47 Q15_5           "Which provi~ dbl+lbl  <NA>   "[1] Ontario Libe~
## 110   47 Q15_5           "Which provi~ dbl+lbl  <NA>   "[2] Ontario New ~
## 111   47 Q15_5           "Which provi~ dbl+lbl  <NA>   "[3] Progressive ~
## 112   47 Q15_5           "Which provi~ dbl+lbl  <NA>   "[4] Green Party ~
## 113   48 Q15_6           "Which provi~ dbl+lbl  <NA>   "[1] Ontario Libe~
## 114   48 Q15_6           "Which provi~ dbl+lbl  <NA>   "[2] Ontario New ~
## 115   48 Q15_6           "Which provi~ dbl+lbl  <NA>   "[3] Progressive ~
## 116   48 Q15_6           "Which provi~ dbl+lbl  <NA>   "[4] Green Party ~
## 117   49 Q15_7           "Which provi~ dbl+lbl  <NA>   "[1] Ontario Libe~
## 118   49 Q15_7           "Which provi~ dbl+lbl  <NA>   "[2] Ontario New ~
## 119   49 Q15_7           "Which provi~ dbl+lbl  <NA>   "[3] Progressive ~
## 120   49 Q15_7           "Which provi~ dbl+lbl  <NA>   "[4] Green Party ~
## 121   50 Q16             "How much sh~ dbl+lbl  <NA>   "[1] Spend less"
## 122   50 Q16             "How much sh~ dbl+lbl  <NA>   "[2] Spend about ~
## 123   50 Q16             "How much sh~ dbl+lbl  <NA>   "[3] Spend more"
## 124   51 Q17             "How much sh~ dbl+lbl  <NA>   "[1] Spend less"
## 125   51 Q17             "How much sh~ dbl+lbl  <NA>   "[2] Spend about ~
## 126   51 Q17             "How much sh~ dbl+lbl  <NA>   "[3] Spend more"
## 127   52 Q18             "How much sh~ dbl+lbl  <NA>   "[1] Spend less"
## 128   52 Q18             "How much sh~ dbl+lbl  <NA>   "[2] Spend about ~
## 129   52 Q18             "How much sh~ dbl+lbl  <NA>   "[3] Spend more"
## 130   53 Q19             "How much sh~ dbl+lbl  <NA>   "[1] Spend less"
```

```
## 131   53 Q19          "How much sh~ dbl+lbl  <NA>   "[2] Spend about ~
## 132   53 Q19          "How much sh~ dbl+lbl  <NA>   "[3] Spend more"
## 133   54 Q20          "How much sh~ dbl+lbl  <NA>   "[1] Spend less"
## 134   54 Q20          "How much sh~ dbl+lbl  <NA>   "[2] Spend about ~
## 135   54 Q20          "How much sh~ dbl+lbl  <NA>   "[3] Spend more"
## 136   55 Q21          "How much sh~ dbl+lbl  <NA>   "[1] Spend less"
## 137   55 Q21          "How much sh~ dbl+lbl  <NA>   "[2] Spend about ~
## 138   55 Q21          "How much sh~ dbl+lbl  <NA>   "[3] Spend more"
## 139   56 Q22a_1       "How satisfi~ dbl+lbl  <NA>   "[1] Very satisfi~
## 140   56 Q22a_1       "How satisfi~ dbl+lbl  <NA>   "[2] Somewhat sat~
## 141   56 Q22a_1       "How satisfi~ dbl+lbl  <NA>   "[3] Somewhat dis~
## 142   56 Q22a_1       "How satisfi~ dbl+lbl  <NA>   "[4] Very dissati~
## 143   57 Q22a_2       "How satisfi~ dbl+lbl  <NA>   "[1] Very satisfi~
## 144   57 Q22a_2       "How satisfi~ dbl+lbl  <NA>   "[2] Somewhat sat~
## 145   57 Q22a_2       "How satisfi~ dbl+lbl  <NA>   "[3] Somewhat dis~
## 146   57 Q22a_2       "How satisfi~ dbl+lbl  <NA>   "[4] Very dissati~
## 147   58 Q22a_3       "How satisfi~ dbl+lbl  <NA>   "[1] Very satisfi~
## 148   58 Q22a_3       "How satisfi~ dbl+lbl  <NA>   "[2] Somewhat sat~
## 149   58 Q22a_3       "How satisfi~ dbl+lbl  <NA>   "[3] Somewhat dis~
## 150   58 Q22a_3       "How satisfi~ dbl+lbl  <NA>   "[4] Very dissati~
## 151   59 Q22b         "How well ha~ dbl+lbl  <NA>   "[1] Very well"
## 152   59 Q22b         "How well ha~ dbl+lbl  <NA>   "[2] Somewhat wel~
## 153   59 Q22b         "How well ha~ dbl+lbl  <NA>   "[3] Not very wel~
## 154   59 Q22b         "How well ha~ dbl+lbl  <NA>   "[4] Not at all w~
## 155   60 Q23          "In provinci~ dbl+lbl  <NA>   "[1] Liberal"
## 156   60 Q23          "In provinci~ dbl+lbl  <NA>   "[2] New Democrat"
## 157   60 Q23          "In provinci~ dbl+lbl  <NA>   "[3] Progressive ~
## 158   60 Q23          "In provinci~ dbl+lbl  <NA>   "[4] Green"
## 159   60 Q23          "In provinci~ dbl+lbl  <NA>   "[5] Another part~
## 160   60 Q23          "In provinci~ dbl+lbl  <NA>   "[6] None of thes~
## 161   61 Q23_5_TEXT   "In provinci~ chr      <NA>    <NA>
## 162   62 Q24          "How strongl~ dbl+lbl  <NA>   "[1] Very strongl~
## 163   62 Q24          "How strongl~ dbl+lbl  <NA>   "[2] Fairly stron~
## 164   62 Q24          "How strongl~ dbl+lbl  <NA>   "[3] Not very str~
## 165   63 Q25          "Generally s~ dbl+lbl  <NA>   "[1] People can b~
## 166   63 Q25          "Generally s~ dbl+lbl  <NA>   "[2] Can't be too~
## 167   64 Q26          "How safe do~ dbl+lbl  <NA>   "[1] Very safe"
## 168   64 Q26          "How safe do~ dbl+lbl  <NA>   "[2] Reasonably s~
## 169   64 Q26          "How safe do~ dbl+lbl  <NA>   "[3] Somewhat uns~
## 170   64 Q26          "How safe do~ dbl+lbl  <NA>   "[4] Very unsafe"
## 171   64 Q26          "How safe do~ dbl+lbl  <NA>   "[5] I never walk~
## 172   65 Q27          "Next we wou~ dbl+lbl  <NA>   "[1] Own your cur~
## 173   65 Q27          "Next we wou~ dbl+lbl  <NA>   "[2] Rent your cu~
## 174   65 Q27          "Next we wou~ dbl+lbl  <NA>   "[3] Live with a ~
## 175   65 Q27          "Next we wou~ dbl+lbl  <NA>   "[4] Other:"
## 176   66 Q27_4_TEXT   "Next we wou~ chr      <NA>    <NA>
## 177   67 Q28          "Do you own ~ dbl+lbl  <NA>   "[1] Yes"
## 178   67 Q28          "Do you own ~ dbl+lbl  <NA>   "[2] No"
## 179   68 Q29          "How much do~ dbl      <NA>    <NA>
## 180   69 Q30          "What are yo~ dbl+lbl  <NA>   "[1] Purchase a h~
## 181   69 Q30          "What are yo~ dbl+lbl  <NA>   "[2] Stay where y~
## 182   69 Q30          "What are yo~ dbl+lbl  <NA>   "[3] Move to a ne~
## 183   70 Q31_1         <NA>         dbl+lbl  <NA>   "[0] 0 - Unable t~
## 184   70 Q31_1         <NA>         dbl+lbl  <NA>   "[10] 10 - Able t~
```

```
## 185    71 Q31_2                   <NA>          dbl+lbl   <NA>    "[0] 0 - Unable t~
## 186    71 Q31_2                   <NA>          dbl+lbl   <NA>    "[10] 10 - Able t~
## 187    72 Q31_3                   <NA>          dbl+lbl   <NA>    "[0] 0 - Unable t~
## 188    72 Q31_3                   <NA>          dbl+lbl   <NA>    "[10] 10 - Able t~
## 189    73 Q31_4                   <NA>          dbl+lbl   <NA>    "[0] 0 - Unable t~
## 190    73 Q31_4                   <NA>          dbl+lbl   <NA>    "[10] 10 - Able t~
## 191    74 Q31_5                   <NA>          dbl+lbl   <NA>    "[0] 0 - Unable t~
## 192    74 Q31_5                   <NA>          dbl+lbl   <NA>    "[10] 10 - Able t~
## 193    75 Q31_6                   <NA>          dbl+lbl   <NA>    "[0] 0 - Unable t~
## 194    75 Q31_6                   <NA>          dbl+lbl   <NA>    "[10] 10 - Able t~
## 195    76 Q32_1                   <NA>          dbl+lbl   <NA>    "[0] 0 - Not at a~
## 196    76 Q32_1                   <NA>          dbl+lbl   <NA>    "[10] 10 - A sign~
## 197    77 Q32_2                   <NA>          dbl+lbl   <NA>    "[0] 0 - Not at a~
## 198    77 Q32_2                   <NA>          dbl+lbl   <NA>    "[10] 10 - A sign~
## 199    78 Q32_3                   <NA>          dbl+lbl   <NA>    "[0] 0 - Not at a~
## 200    78 Q32_3                   <NA>          dbl+lbl   <NA>    "[10] 10 - A sign~
## 201    79 Q32_4                   <NA>          dbl+lbl   <NA>    "[0] 0 - Not at a~
## 202    79 Q32_4                   <NA>          dbl+lbl   <NA>    "[10] 10 - A sign~
## 203    80 Q32_5                   <NA>          dbl+lbl   <NA>    "[0] 0 - Not at a~
## 204    80 Q32_5                   <NA>          dbl+lbl   <NA>    "[10] 10 - A sign~
## 205    81 Q32_6                   <NA>          dbl+lbl   <NA>    "[0] 0 - Not at a~
## 206    81 Q32_6                   <NA>          dbl+lbl   <NA>    "[10] 10 - A sign~
## 207    82 Q32_7                   <NA>          dbl+lbl   <NA>    "[0] 0 - Not at a~
## 208    82 Q32_7                   <NA>          dbl+lbl   <NA>    "[10] 10 - A sign~
## 209    83 Q32_8                   <NA>          dbl+lbl   <NA>    "[0] 0 - Not at a~
## 210    83 Q32_8                   <NA>          dbl+lbl   <NA>    "[10] 10 - A sign~
## 211    84 Q32_9                   <NA>          dbl+lbl   <NA>    "[0] 0 - Not at a~
## 212    84 Q32_9                   <NA>          dbl+lbl   <NA>    "[10] 10 - A sign~
## 213    85 Q33a_1                  <NA>          dbl+lbl   <NA>    "[0] 0 - Strongly~
## 214    85 Q33a_1                  <NA>          dbl+lbl   <NA>    "[10] 10 - Strong~
## 215    86 Q33a_2                  <NA>          dbl+lbl   <NA>    "[0] 0 - Strongly~
## 216    86 Q33a_2                  <NA>          dbl+lbl   <NA>    "[10] 10 - Strong~
## 217    87 Q33a_3                  <NA>          dbl+lbl   <NA>    "[0] 0 - Strongly~
## 218    87 Q33a_3                  <NA>          dbl+lbl   <NA>    "[10] 10 - Strong~
## 219    88 Q33a_4                  <NA>          dbl+lbl   <NA>    "[0] 0 - Strongly~
## 220    88 Q33a_4                  <NA>          dbl+lbl   <NA>    "[10] 10 - Strong~
## 221    89 Q33a_5                  <NA>          dbl+lbl   <NA>    "[0] 0 - Strongly~
## 222    89 Q33a_5                  <NA>          dbl+lbl   <NA>    "[10] 10 - Strong~
## 223    90 Q33a_6                  <NA>          dbl+lbl   <NA>    "[0] 0 - Strongly~
## 224    90 Q33a_6                  <NA>          dbl+lbl   <NA>    "[10] 10 - Strong~
## 225    91 Q80_1                   <NA>          dbl+lbl   <NA>    "[0] 0 - Strongly~
## 226    91 Q80_1                   <NA>          dbl+lbl   <NA>    "[10] 10 - Strong~
## 227    92 Q80_2                   <NA>          dbl+lbl   <NA>    "[0] 0 - Strongly~
## 228    92 Q80_2                   <NA>          dbl+lbl   <NA>    "[10] 10 - Strong~
## 229    93 Q80_3                   <NA>          dbl+lbl   <NA>    "[0] 0 - Strongly~
## 230    93 Q80_3                   <NA>          dbl+lbl   <NA>    "[10] 10 - Strong~
## 231    94 Q80_4                   <NA>          dbl+lbl   <NA>    "[0] 0 - Strongly~
## 232    94 Q80_4                   <NA>          dbl+lbl   <NA>    "[10] 10 - Strong~
## 233    95 Q80_5                   <NA>          dbl+lbl   <NA>    "[0] 0 - Strongly~
## 234    95 Q80_5                   <NA>          dbl+lbl   <NA>    "[10] 10 - Strong~
## 235    96 Q80_6                   <NA>          dbl+lbl   <NA>    "[0] 0 - Strongly~
## 236    96 Q80_6                   <NA>          dbl+lbl   <NA>    "[10] 10 - Strong~
## 237    97 Q34_1            "There are a~ dbl       <NA>    <NA>
## 238    98 Q34_2            "There are a~ dbl       <NA>    <NA>
```

```
## 239    99 Q34_3               "There are a~ dbl        <NA>    <NA>
## 240   100 Q34_4               "There are a~ dbl        <NA>    <NA>
## 241   101 Q34_5               "There are a~ dbl        <NA>    <NA>
## 242   102 Q35_1               "Please indi~ dbl+lbl    <NA>    "[1] Strongly opp~
## 243   102 Q35_1               "Please indi~ dbl+lbl    <NA>    "[2] 1"
## 244   102 Q35_1               "Please indi~ dbl+lbl    <NA>    "[3] 2"
## 245   102 Q35_1               "Please indi~ dbl+lbl    <NA>    "[4] 3"
## 246   102 Q35_1               "Please indi~ dbl+lbl    <NA>    "[5] 4"
## 247   102 Q35_1               "Please indi~ dbl+lbl    <NA>    "[6] 5"
## 248   102 Q35_1               "Please indi~ dbl+lbl    <NA>    "[7] 6"
## 249   102 Q35_1               "Please indi~ dbl+lbl    <NA>    "[8] 7"
## 250   102 Q35_1               "Please indi~ dbl+lbl    <NA>    "[9] 8"
## 251   102 Q35_1               "Please indi~ dbl+lbl    <NA>    "[10] 9"
## 252   102 Q35_1               "Please indi~ dbl+lbl    <NA>    "[11] Strongly su~
## 253   102 Q35_1               "Please indi~ dbl+lbl    <NA>    "[12] Don't know"
## 254   103 Q35_2               "Please indi~ dbl+lbl    <NA>    "[1] Strongly opp~
## 255   103 Q35_2               "Please indi~ dbl+lbl    <NA>    "[2] 1"
## 256   103 Q35_2               "Please indi~ dbl+lbl    <NA>    "[3] 2"
## 257   103 Q35_2               "Please indi~ dbl+lbl    <NA>    "[4] 3"
## 258   103 Q35_2               "Please indi~ dbl+lbl    <NA>    "[5] 4"
## 259   103 Q35_2               "Please indi~ dbl+lbl    <NA>    "[6] 5"
## 260   103 Q35_2               "Please indi~ dbl+lbl    <NA>    "[7] 6"
## 261   103 Q35_2               "Please indi~ dbl+lbl    <NA>    "[8] 7"
## 262   103 Q35_2               "Please indi~ dbl+lbl    <NA>    "[9] 8"
## 263   103 Q35_2               "Please indi~ dbl+lbl    <NA>    "[10] 9"
## 264   103 Q35_2               "Please indi~ dbl+lbl    <NA>    "[11] Strongly su~
## 265   103 Q35_2               "Please indi~ dbl+lbl    <NA>    "[12] Don't know"
## 266   104 Q35_3               "Please indi~ dbl+lbl    <NA>    "[1] Strongly opp~
## 267   104 Q35_3               "Please indi~ dbl+lbl    <NA>    "[2] 1"
## 268   104 Q35_3               "Please indi~ dbl+lbl    <NA>    "[3] 2"
## 269   104 Q35_3               "Please indi~ dbl+lbl    <NA>    "[4] 3"
## 270   104 Q35_3               "Please indi~ dbl+lbl    <NA>    "[5] 4"
## 271   104 Q35_3               "Please indi~ dbl+lbl    <NA>    "[6] 5"
## 272   104 Q35_3               "Please indi~ dbl+lbl    <NA>    "[7] 6"
## 273   104 Q35_3               "Please indi~ dbl+lbl    <NA>    "[8] 7"
## 274   104 Q35_3               "Please indi~ dbl+lbl    <NA>    "[9] 8"
## 275   104 Q35_3               "Please indi~ dbl+lbl    <NA>    "[10] 9"
## 276   104 Q35_3               "Please indi~ dbl+lbl    <NA>    "[11] Strongly su~
## 277   104 Q35_3               "Please indi~ dbl+lbl    <NA>    "[12] Don't know"
## 278   105 Q35_4               "Please indi~ dbl+lbl    <NA>    "[1] Strongly opp~
## 279   105 Q35_4               "Please indi~ dbl+lbl    <NA>    "[2] 1"
## 280   105 Q35_4               "Please indi~ dbl+lbl    <NA>    "[3] 2"
## 281   105 Q35_4               "Please indi~ dbl+lbl    <NA>    "[4] 3"
## 282   105 Q35_4               "Please indi~ dbl+lbl    <NA>    "[5] 4"
## 283   105 Q35_4               "Please indi~ dbl+lbl    <NA>    "[6] 5"
## 284   105 Q35_4               "Please indi~ dbl+lbl    <NA>    "[7] 6"
## 285   105 Q35_4               "Please indi~ dbl+lbl    <NA>    "[8] 7"
## 286   105 Q35_4               "Please indi~ dbl+lbl    <NA>    "[9] 8"
## 287   105 Q35_4               "Please indi~ dbl+lbl    <NA>    "[10] 9"
## 288   105 Q35_4               "Please indi~ dbl+lbl    <NA>    "[11] Strongly su~
## 289   105 Q35_4               "Please indi~ dbl+lbl    <NA>    "[12] Don't know"
## 290   106 Q35_5               "Please indi~ dbl+lbl    <NA>    "[1] Strongly opp~
## 291   106 Q35_5               "Please indi~ dbl+lbl    <NA>    "[2] 1"
## 292   106 Q35_5               "Please indi~ dbl+lbl    <NA>    "[3] 2"
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```
## 293  106 Q35_5           "Please indi~ dbl+lbl  <NA>   "[4] 3"
## 294  106 Q35_5           "Please indi~ dbl+lbl  <NA>   "[5] 4"
## 295  106 Q35_5           "Please indi~ dbl+lbl  <NA>   "[6] 5"
## 296  106 Q35_5           "Please indi~ dbl+lbl  <NA>   "[7] 6"
## 297  106 Q35_5           "Please indi~ dbl+lbl  <NA>   "[8] 7"
## 298  106 Q35_5           "Please indi~ dbl+lbl  <NA>   "[9] 8"
## 299  106 Q35_5           "Please indi~ dbl+lbl  <NA>   "[10] 9"
## 300  106 Q35_5           "Please indi~ dbl+lbl  <NA>   "[11] Strongly su~
## 301  106 Q35_5           "Please indi~ dbl+lbl  <NA>   "[12] Don't know"
## 302  107 Q35_6           "Please indi~ dbl+lbl  <NA>   "[1] Strongly opp~
## 303  107 Q35_6           "Please indi~ dbl+lbl  <NA>   "[2] 1"
## 304  107 Q35_6           "Please indi~ dbl+lbl  <NA>   "[3] 2"
## 305  107 Q35_6           "Please indi~ dbl+lbl  <NA>   "[4] 3"
## 306  107 Q35_6           "Please indi~ dbl+lbl  <NA>   "[5] 4"
## 307  107 Q35_6           "Please indi~ dbl+lbl  <NA>   "[6] 5"
## 308  107 Q35_6           "Please indi~ dbl+lbl  <NA>   "[7] 6"
## 309  107 Q35_6           "Please indi~ dbl+lbl  <NA>   "[8] 7"
## 310  107 Q35_6           "Please indi~ dbl+lbl  <NA>   "[9] 8"
## 311  107 Q35_6           "Please indi~ dbl+lbl  <NA>   "[10] 9"
## 312  107 Q35_6           "Please indi~ dbl+lbl  <NA>   "[11] Strongly su~
## 313  107 Q35_6           "Please indi~ dbl+lbl  <NA>   "[12] Don't know"
## 314  108 Q35a            "Why do you ~ chr       <NA>   <NA>
## 315  109 Q35b            "Why do you ~ chr       <NA>   <NA>
## 316  110 Q35c            "Why do you ~ chr       <NA>   <NA>
## 317  111 Q35d            "Why do you ~ chr       <NA>   <NA>
## 318  112 Q35e            "Why do you ~ chr       <NA>   <NA>
## 319  113 Q35f            "Why do you ~ chr       <NA>   <NA>
## 320  114 Q35g            "Why do you ~ chr       <NA>   <NA>
## 321  115 Q35h            "Why do you ~ chr       <NA>   <NA>
## 322  116 Q35i            "Why do you ~ chr       <NA>   <NA>
## 323  117 Q35j            "Why do you ~ chr       <NA>   <NA>
## 324  118 Q35k            "Why do you ~ chr       <NA>   <NA>
## 325  119 Q35l            "Why do you ~ chr       <NA>   <NA>
## 326  120 Q36             "Assuming a ~ dbl+lbl  <NA>   "[1] Local commun~
## 327  120 Q36             "Assuming a ~ dbl+lbl  <NA>   "[2] Elected muni~
## 328  120 Q36             "Assuming a ~ dbl+lbl  <NA>   "[3] Provincial g~
## 329  120 Q36             "Assuming a ~ dbl+lbl  <NA>   "[4] Developers"
## 330  120 Q36             "Assuming a ~ dbl+lbl  <NA>   "[5] Unelected pr~
## 331  120 Q36             "Assuming a ~ dbl+lbl  <NA>   "[6] No preferenc~
## 332  120 Q36             "Assuming a ~ dbl+lbl  <NA>   "[7] Other? (plea~
## 333  121 Q36_7_TEXT      "Assuming a ~ chr       <NA>   <NA>
## 334  122 Q38             "Are you...?~ dbl+lbl  <NA>   "[1] A man"
## 335  122 Q38             "Are you...?~ dbl+lbl  <NA>   "[2] A woman"
## 336  122 Q38             "Are you...?~ dbl+lbl  <NA>   "[3] Non-binary"
## 337  122 Q38             "Are you...?~ dbl+lbl  <NA>   "[4] Another gend~
## 338  123 Q38_4_TEXT      "Are you...?~ chr       <NA>   <NA>
## 339  124 Q39             "What is the~ dbl+lbl  <NA>   "[1] No schooling"
## 340  124 Q39             "What is the~ dbl+lbl  <NA>   "[2] Some element~
## 341  124 Q39             "What is the~ dbl+lbl  <NA>   "[3] Completed el~
## 342  124 Q39             "What is the~ dbl+lbl  <NA>   "[4] Some seconda~
## 343  124 Q39             "What is the~ dbl+lbl  <NA>   "[5] Completed se~
## 344  124 Q39             "What is the~ dbl+lbl  <NA>   "[6] Some technic~
## 345  124 Q39             "What is the~ dbl+lbl  <NA>   "[7] Completed te~
## 346  124 Q39             "What is the~ dbl+lbl  <NA>   "[8] Some univers~
```

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## 347   124 Q39              "What is the~ dbl+lbl   <NA>    "[9] Bachelor's d~
## 348   124 Q39              "What is the~ dbl+lbl   <NA>    "[10] Master's de~
## 349   124 Q39              "What is the~ dbl+lbl   <NA>    "[11] Professiona~
## 350   125 Q40              "What is you~ dbl+lbl   <NA>    "[1] Working for ~
## 351   125 Q40              "What is you~ dbl+lbl   <NA>    "[2] Working for ~
## 352   125 Q40              "What is you~ dbl+lbl   <NA>    "[3] Self-employe~
## 353   125 Q40              "What is you~ dbl+lbl   <NA>    "[4] Retired"
## 354   125 Q40              "What is you~ dbl+lbl   <NA>    "[5] Unemployed /~
## 355   125 Q40              "What is you~ dbl+lbl   <NA>    "[6] Student"
## 356   125 Q40              "What is you~ dbl+lbl   <NA>    "[7] Caring for a~
## 357   125 Q40              "What is you~ dbl+lbl   <NA>    "[8] Disabled"
## 358   125 Q40              "What is you~ dbl+lbl   <NA>    "[9] Student and ~
## 359   125 Q40              "What is you~ dbl+lbl   <NA>    "[10] Caring for ~
## 360   125 Q40              "What is you~ dbl+lbl   <NA>    "[11] Retired and~
## 361   125 Q40              "What is you~ dbl+lbl   <NA>    "[12] Other (plea~
## 362   126 Q40_12_TEXT      "What is you~ chr       <NA>    <NA>
## 363   127 Q41              "Which of th~ dbl+lbl   <NA>    "[1] Urban"
## 364   127 Q41              "Which of th~ dbl+lbl   <NA>    "[2] Suburban"
## 365   127 Q41              "Which of th~ dbl+lbl   <NA>    "[3] Rural"
## 366   128 Q42              "What was yo~ dbl       <NA>    <NA>
## 367   129 Q43              "We don't ne~ dbl+lbl   <NA>    "[1] No income"
## 368   129 Q43              "We don't ne~ dbl+lbl   <NA>    "[2] $1 to $30,00~
## 369   129 Q43              "We don't ne~ dbl+lbl   <NA>    "[3] $30,001 to $~
## 370   129 Q43              "We don't ne~ dbl+lbl   <NA>    "[4] $60,001 to $~
## 371   129 Q43              "We don't ne~ dbl+lbl   <NA>    "[5] $90,001 to $~
## 372   129 Q43              "We don't ne~ dbl+lbl   <NA>    "[6] $110,001 to ~
## 373   129 Q43              "We don't ne~ dbl+lbl   <NA>    "[7] $150,001 to ~
## 374   129 Q43              "We don't ne~ dbl+lbl   <NA>    "[8] More than $2~
## 375   130 Q44              "Are you pre~ dbl+lbl   <NA>    "[1] Married"
## 376   130 Q44              "Are you pre~ dbl+lbl   <NA>    "[2] Living with ~
## 377   130 Q44              "Are you pre~ dbl+lbl   <NA>    "[3] Divorced"
## 378   130 Q44              "Are you pre~ dbl+lbl   <NA>    "[4] Separated"
## 379   130 Q44              "Are you pre~ dbl+lbl   <NA>    "[5] Widowed"
## 380   130 Q44              "Are you pre~ dbl+lbl   <NA>    "[6] Never marrie~
## 381   131 Q45              "Do you have~ dbl+lbl   <NA>    "[1] Yes"
## 382   131 Q45              "Do you have~ dbl+lbl   <NA>    "[2] No"
## 383   132 Q46              "Counting yo~ dbl       <NA>    <NA>
## 384   133 Q47              "Please ente~ chr       <NA>    <NA>
## 385   134 Q48              "Besides thi~ dbl+lbl   <NA>    "[1] 0"
## 386   134 Q48              "Besides thi~ dbl+lbl   <NA>    "[2] 1"
## 387   134 Q48              "Besides thi~ dbl+lbl   <NA>    "[3] 2"
## 388   134 Q48              "Besides thi~ dbl+lbl   <NA>    "[4] 3"
## 389   134 Q48              "Besides thi~ dbl+lbl   <NA>    "[5] 4"
## 390   134 Q48              "Besides thi~ dbl+lbl   <NA>    "[6] 5+"
## 391   135 psid             "psid"        chr       <NA>    <NA>
## 392   136 pid              "pid"         chr       <NA>    <NA>
## 393   137 Q31_1_x          <NA>          dbl       <NA>    <NA>
## 394   138 Q31_2_x          <NA>          dbl       <NA>    <NA>
## 395   139 Q31_3_x          <NA>          dbl       <NA>    <NA>
## 396   140 Q31_4_x          <NA>          dbl       <NA>    <NA>
## 397   141 Q31_5_x          <NA>          dbl       <NA>    <NA>
## 398   142 Q31_6_x          <NA>          dbl       <NA>    <NA>
## 399   143 Q32_1_x          <NA>          dbl       <NA>    <NA>
## 400   144 Q32_2_x          <NA>          dbl       <NA>    <NA>
```

```
## 401   145 Q32_3_x              <NA>          dbl    <NA>     <NA>
## 402   146 Q32_4_x              <NA>          dbl    <NA>     <NA>
## 403   147 Q32_5_x              <NA>          dbl    <NA>     <NA>
## 404   148 Q32_6_x              <NA>          dbl    <NA>     <NA>
## 405   149 Q32_7_x              <NA>          dbl    <NA>     <NA>
## 406   150 Q32_8_x              <NA>          dbl    <NA>     <NA>
## 407   151 Q32_9_x              <NA>          dbl    <NA>     <NA>
## 408   152 Q33a_1_x             <NA>          dbl    <NA>     <NA>
## 409   153 Q33a_2_x             <NA>          dbl    <NA>     <NA>
## 410   154 Q33a_3_x             <NA>          dbl    <NA>     <NA>
## 411   155 Q33a_4_x             <NA>          dbl    <NA>     <NA>
## 412   156 Q33a_5_x             <NA>          dbl    <NA>     <NA>
## 413   157 Q33a_6_x             <NA>          dbl    <NA>     <NA>
## 414   158 Q80_1_x              <NA>          dbl    <NA>     <NA>
## 415   159 Q80_2_x              <NA>          dbl    <NA>     <NA>
## 416   160 Q80_3_x              <NA>          dbl    <NA>     <NA>
## 417   161 Q80_4_x              <NA>          dbl    <NA>     <NA>
## 418   162 Q80_5_x              <NA>          dbl    <NA>     <NA>
## 419   163 Q80_6_x              <NA>          dbl    <NA>     <NA>
## 420   164 Q34_1_x              <NA>          dbl    <NA>     <NA>
## 421   165 Q34_2_x              <NA>          dbl    <NA>     <NA>
## 422   166 Q34_3_x              <NA>          dbl    <NA>     <NA>
## 423   167 Q34_4_x              <NA>          dbl    <NA>     <NA>
## 424   168 Q34_5_x              <NA>          dbl    <NA>     <NA>
## 425   169 Q35_1_exp            "6 Storey re~ dbl    <NA>     <NA>
## 426   170 Q35_2_exp            "15 Storey r~ dbl    <NA>     <NA>
## 427   171 Q35_3_exp            "6 Storey co~ dbl    <NA>     <NA>
## 428   172 Q35_4_exp            "15 Storey c~ dbl    <NA>     <NA>
## 429   173 Q35_5_exp            "Single deta~ dbl    <NA>     <NA>
## 430   174 Q35_6_exp            "Semi-detach~ dbl    <NA>     <NA>
## 431   175 Q32_1_cause          <NA>          dbl    <NA>     <NA>
## 432   176 Q32_2_cause          <NA>          dbl    <NA>     <NA>
## 433   177 Q32_3_cause          <NA>          dbl    <NA>     <NA>
## 434   178 Q32_4_cause          <NA>          dbl    <NA>     <NA>
## 435   179 Q32_5_cause          <NA>          dbl    <NA>     <NA>
## 436   180 Q32_6_cause          <NA>          dbl    <NA>     <NA>
## 437   181 Q32_7_cause          <NA>          dbl    <NA>     <NA>
## 438   182 Q32_8_cause          <NA>          dbl    <NA>     <NA>
## 439   183 Q32_9_cause          <NA>          dbl    <NA>     <NA>
## 440   184 Q32_1_x_cause        <NA>          dbl    <NA>     <NA>
## 441   185 Q32_2_x_cause        <NA>          dbl    <NA>     <NA>
## 442   186 Q32_3_x_cause        <NA>          dbl    <NA>     <NA>
## 443   187 Q32_4_x_cause        <NA>          dbl    <NA>     <NA>
## 444   188 Q32_5_x_cause        <NA>          dbl    <NA>     <NA>
## 445   189 Q32_6_x_cause        <NA>          dbl    <NA>     <NA>
## 446   190 Q32_7_x_cause        <NA>          dbl    <NA>     <NA>
## 447   191 Q32_8_x_cause        <NA>          dbl    <NA>     <NA>
## 448   192 Q32_9_x_cause        <NA>          dbl    <NA>     <NA>
## 449   193 Q48_x                "Besides thi~ dbl+lbl <NA>    "[5] 5+"
## 450   194 non_partisan         "In provinci~ dbl+lbl <NA>    "[1] Non-Partisan"
## 451   194 non_partisan         "In provinci~ dbl+lbl <NA>    "[0] Partisan"
## 452   195 DOB                  <NA>          dbl    <NA>     <NA>
## 453   196 age                  <NA>          dbl    <NA>     <NA>
```