exploring-redhat-data

August 14, 2016

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

```
library(ggplot2)
library(data.table)
library(dplyr)

source('../src/data/merge_data_to_disk.R')
```

Functions for rendering HTML and PDF documents

Function that removes all r objects from memory

```
clear <- function() {
   rm(list=ls())
}</pre>
```

Read data

```
merge_and_write_data_to_disk()

## [1] "File ../data/processed/merged_data.csv already sourced."

merged_raw <- fread('../data/processed/merged_data.csv')

##

Read 0.0% of 2197291 rows
Read 7.3% of 2197291 rows
Read 14.1% of 2197291 rows
Read 20.9% of 2197291 rows
Read 27.3% of 2197291 rows
Read 33.7% of 2197291 rows
Read 37.3% of 2197291 rows
Read 37.3% of 2197291 rows
Read 37.3% of 2197291 rows
Read 43.7% of 2197291 rows
Read 43.7% of 2197291 rows</pre>
```

```
Read 50.1% of 2197291 rows
Read 56.4% of 2197291 rows
Read 62.3% of 2197291 rows
Read 68.3% of 2197291 rows
Read 74.2% of 2197291 rows
Read 80.1% of 2197291 rows
Read 86.0% of 2197291 rows
Read 91.9% of 2197291 rows
Read 91.9% of 2197291 rows
Read 95.6% of 2197291 rows
Read 2197291 rows and 56 (of 56) columns from 0.766 GB file in 00:00:28
```

Data summary

head (merged raw, 5)

```
##
      V1 people_id people_char_1 people_group_1 people_char_2 people_date
## 1:
       1
           ppl_100
                           type 2
                                      group 17304
                                                          type 2 2021-06-29
## 2:
       2
                                      group 17304
                                                                   2021-06-29
           ppl_100
                           type 2
                                                          type 2
## 3:
       3
           ppl_100
                           type 2
                                      group 17304
                                                          type 2
                                                                   2021-06-29
## 4:
       4
                                                                  2021-06-29
           ppl_100
                           type 2
                                      group 17304
                                                          type 2
## 5:
       5
           ppl_100
                           type 2
                                      group 17304
                                                          type 2
                                                                  2021-06-29
##
      people char 3 people char 4 people char 5 people char 6 people char 7
## 1:
             type 5
                            type 5
                                           type 5
                                                          type 3
                                                                        type 11
## 2:
             type 5
                            type 5
                                           type 5
                                                          type 3
                                                                        type 11
## 3:
              type 5
                            type 5
                                           type 5
                                                          type 3
                                                                        type 11
## 4:
             type 5
                            type 5
                                           type 5
                                                          type 3
                                                                        type 11
## 5:
                            type 5
                                                                        type 11
             type 5
                                           type 5
                                                          type 3
      people_char_8 people_char_9 people_char_10 people_char_11
## 1:
             type 2
                                               TRUE
                                                             FALSE
                            type 2
## 2:
                                               TRUE
                                                              FALSE
             type 2
                            type 2
## 3:
                                               TRUE
                                                             FALSE
             type 2
                            type 2
## 4:
                                               TRUE
                                                             FALSE
             type 2
                            type 2
## 5:
             type 2
                            type 2
                                               TRUE
                                                             FALSE
##
      people_char_12 people_char_13 people_char_14 people_char_15
## 1:
               FALSE
                                TRUE
                                                 TRUE
                                                                FALSE
                                                 TRUE
## 2:
               FALSE
                                 TRUE
                                                                FALSE
## 3:
               FALSE
                                 TRUE
                                                 TRUE
                                                                FALSE
## 4:
               FALSE
                                 TRUE
                                                 TRUE
                                                                FALSE
## 5:
               FALSE
                                 TRUE
                                                 TRUE
                                                                FALSE
      people_char_16 people_char_17 people_char_18 people_char_19
                 TRUE
## 1:
                                FALSE
                                               FALSE
                                                                FALSE
## 2:
                 TRUE
                                FALSE
                                                FALSE
                                                                FALSE
## 3:
                 TRUE
                                FALSE
                                               FALSE
                                                                FALSE
## 4:
                 TRUE
                                FALSE
                                               FALSE
                                                                FALSE
## 5:
                 TRUE
                                FALSE
                                               FALSE
                                                                FALSE
##
      people_char_20 people_char_21 people_char_22 people_char_23
## 1:
               FALSE
                                               FALSE
                                                                FALSE
                                 TRUE
## 2:
               FALSE
                                 TRUE
                                               FALSE
                                                                FALSE
## 3:
               FALSE
                                 TRUE
                                               FALSE
                                                                FALSE
## 4:
               FALSE
                                 TRUE
                                               FALSE
                                                                FALSE
## 5:
               FALSE
                                 TRUE
                                               FALSE
                                                                FALSE
      people_char_24 people_char_25 people_char_26 people_char_27
##
```

```
## 1:
               FALSE
                               FALSE
                                               FALSE
                                                                TRUE
## 2:
               FALSE
                               FALSE
                                               FALSE
                                                                TRUF.
## 3:
               FALSE
                               FALSE
                                               FALSE
                                                                TRUE
                                                                TRUE
## 4:
               FALSE
                               FALSE
                                               FALSE
## 5:
               FALSE
                               FALSE
                                               FALSE
                                                                TRUE
##
      people_char_28 people_char_29 people_char_30 people_char_31
## 1:
                TRUE
                               FALSE
                                                TRUE
                                                                TRUE
## 2:
                TRUE
                               FALSE
                                                TRUE
                                                                TRUE
## 3:
                TRUE
                               FALSE
                                                TRUE
                                                                TRUE
## 4:
                TRUE
                               FALSE
                                                TRUE
                                                                TRUE
## 5:
                TRUE
                               FALSE
                                                TRUE
                                                                TRUE
      people_char_32 people_char_33 people_char_34 people_char_35
##
## 1:
               FALSE
                               FALSE
                                                TRUE
                                                                TRUE
## 2:
                                                TRUE
               FALSE
                               FALSE
                                                                TRUE
## 3:
               FALSE
                               FALSE
                                                TRUE
                                                                TRUE
## 4:
               FALSE
                               FALSE
                                                TRUE
                                                                TRUE
## 5:
                                                TRUE
                                                                TRUE
               FALSE
                               FALSE
      people_char_36 people_char_37 people_char_38 activity_id activity_date
## 1:
                TRUE
                                                  36 act2_1734928
                                                                      2023-08-26
                               FALSE
## 2:
                TRUE
                               FALSE
                                                  36 act2 2434093
                                                                      2022-09-27
## 3:
                TRUE
                               FALSE
                                                  36 act2_3404049
                                                                      2022-09-27
## 4:
                TRUE
                               FALSE
                                                  36 act2 3651215
                                                                      2023-08-04
                               FALSE
                                                  36 act2_4109017
                                                                      2023-08-26
## 5:
                TRUE
##
      activity_category activity_char_1 activity_char_2 activity_char_3
## 1:
                 type 4
## 2:
                  type 2
## 3:
                  type 2
                  type 2
## 4:
## 5:
                  type 2
##
      activity_char_4 activity_char_5 activity_char_6 activity_char_7
## 1:
## 2:
## 3:
## 4:
## 5:
##
      activity_char_8 activity_char_9 activity_char_10 outcome
## 1:
                                                 type 76
## 2:
                                                                0
                                                  type 1
## 3:
                                                                0
                                                  type 1
## 4:
                                                                0
                                                  type 1
## 5:
                                                  type 1
head(merged_raw[which(merged_raw$activity_char_1 != ''), ])
##
       V1 people_id people_char_1 people_group_1 people_char_2 people_date
                                                            type 3 2022-08-26
## 1: 53 ppl_100025
                             type 2
                                        group 36096
## 2: 106 ppl_100033
                                        group 17304
                                                            type 2
                                                                    2022-07-26
                             type 2
## 3: 107 ppl_100033
                             type 2
                                                            type 2
                                                                    2022-07-26
                                        group 17304
## 4: 108 ppl_100033
                                                                    2022-07-26
                             type 2
                                        group 17304
                                                            type 2
                             type 2
## 5: 109 ppl_100033
                                        group 17304
                                                            type 2
                                                                    2022-07-26
## 6: 125 ppl_100035
                                                                    2022-01-22
                             type 2
                                         group 9439
                                                            type 3
##
      people_char_3 people_char_4 people_char_5 people_char_6 people_char_7
## 1:
            type 14
                            type 6
                                           type 8
                                                          type 3
                                                                        type 9
```

type 6

type 3

type 9

2:

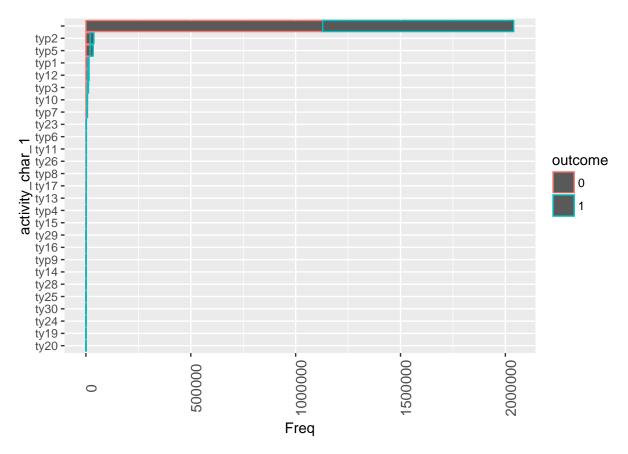
type 10

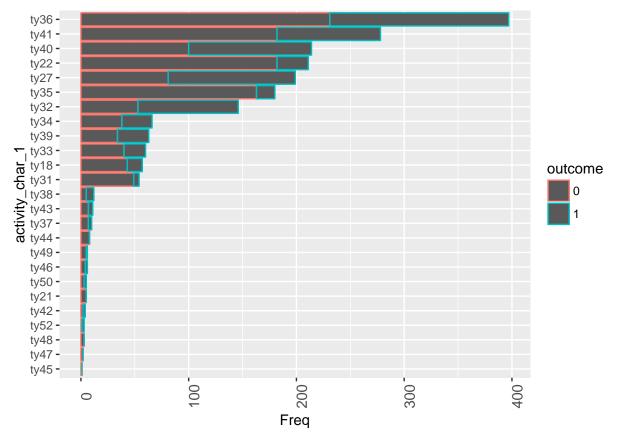
type 7

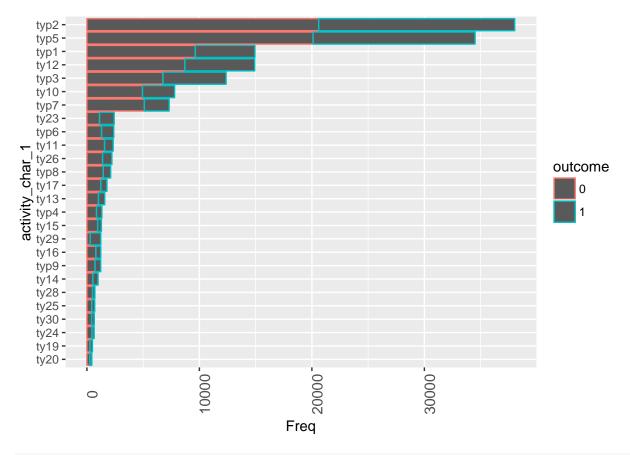
```
## 3:
             type 10
                             type 7
                                            type 6
                                                           type 3
                                                                          type 9
## 4:
             type 10
                             type 7
                                            type 6
                                                           type 3
                                                                          type 9
                                                           type 3
                                                                          type 9
## 5:
             type 10
                             type 7
                                            type 6
## 6:
             type 4
                            type 10
                                            type 4
                                                           type 1
                                                                         type 23
##
      people_char_8 people_char_9 people_char_10 people_char_11
## 1:
             type 6
                             type 6
                                              FALSE
## 2:
                                              FALSE
                                                              FALSE
             type 3
                             type 3
                                                              FALSE
                                              FALSE
## 3:
              type 3
                             type 3
## 4:
              type 3
                             type 3
                                              FALSE
                                                              FALSE
                                                              FALSE
## 5:
              type 3
                             type 3
                                              FALSE
## 6:
              type 2
                             type 2
                                              FALSE
                                                               TRUE
      people_char_12 people_char_13 people_char_14 people_char_15
##
## 1:
               FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 2:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 3:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 4:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 5:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 6:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
      people_char_16 people_char_17 people_char_18 people_char_19
##
## 1:
                FALSE
                                FALSE
                                                FALSE
## 2:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 3:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 4:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 5:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 6:
                FALSE
                                FALSE
                                                FALSE
                                                                 TRUE
      people_char_20 people_char_21 people_char_22 people_char_23
## 1:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 2:
                FALSE
                                FALSE
                                                FALSE
                                                                 FALSE
                FALSE
                                FALSE
                                                FALSE
## 3:
                                                                FALSE
## 4:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 5:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 6:
                 TRUE
                                 TRUE
                                                 TRUE
                                                                 TRUE
##
      people_char_24 people_char_25 people_char_26 people_char_27
               FALSE
                                FALSE
                                                                FALSE
## 1:
                                                FALSE
                                FALSE
## 2:
                FALSE
                                                FALSE
                                                                FALSE
## 3:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 4:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 5:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 6:
                 TRUE
                                 TRUE
                                                FALSE
                                                                FALSE
##
      people_char_28 people_char_29 people_char_30 people_char_31
                FALSE
                                FALSE
                                                FALSE
## 1:
                                                                FALSE
## 2:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
                FALSE
                                FALSE
                                                FALSE
                                                                 FALSE
## 3:
                                FALSE
## 4:
                FALSE
                                                FALSE
                                                                FALSE
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 5:
## 6:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
##
      people_char_32 people_char_33 people_char_34 people_char_35
## 1:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 2:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
## 3:
## 4:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
               FALSE
                                FALSE
                                                                FALSE
## 5:
                                                FALSE
## 6:
                FALSE
                                FALSE
                                                FALSE
                                                                FALSE
      people_char_36 people_char_37 people_char_38 activity_id activity_date
```

```
act1 9923
## 1:
               FALSE
                               FALSE
                                                  76
                                                                     2022-11-25
## 2:
               FALSE
                               FALSE.
                                                   0 act1_198174
                                                                     2022-07-26
## 3:
               FALSE
                               FALSE
                                                   0 act1 214090
                                                                     2023-06-15
## 4:
               FALSE
                               FALSE
                                                   0 act1_230588
                                                                     2023-02-28
## 5:
               FALSE
                               FALSE
                                                   0 act1_271874
                                                                     2022-07-26
## 6:
               FALSE
                                TRUE
                                                 100 act1 104259
                                                                     2023-07-28
      activity category activity char 1 activity char 2 activity char 3
##
## 1:
                  type 1
                                  type 3
                                                    type 5
                                                                    type 1
## 2:
                 type 1
                                 type 36
                                                  type 11
                                                                    type 5
## 3:
                  type 1
                                 type 24
                                                   type 6
                                                                    type 6
## 4:
                  type 1
                                  type 2
                                                   type 2
                                                                    type 3
## 5:
                                  type 2
                                                   type 5
                                                                    type 3
                  type 1
## 6:
                  type 1
                                  type 5
                                                   type 2
                                                                    type 7
##
      activity_char_4 activity_char_5 activity_char_6 activity_char_7
## 1:
                                type 6
                                                 type 3
               type 1
                                                                  type 3
## 2:
               type 1
                                type 6
                                                 type 1
                                                                  type 1
## 3:
               type 3
                                type 1
                                                 type 3
                                                                  type 4
## 4:
               type 3
                                type 5
                                                 type 2
                                                                  type 2
## 5:
                                type 6
               type 2
                                                 type 1
                                                                  type 1
## 6:
               type 3
                                type 1
                                                 type 3
                                                                  type 5
##
      activity_char_8 activity_char_9 activity_char_10 outcome
## 1:
               type 6
                                type 8
## 2:
                                                                0
               type 4
                                type 1
## 3:
                                                                0
               type 5
                                type 1
                                                                0
## 4:
               type 4
                                type 2
## 5:
               type 6
                                type 8
                                                                0
## 6:
               type 4
                                type 7
                                                                1
```

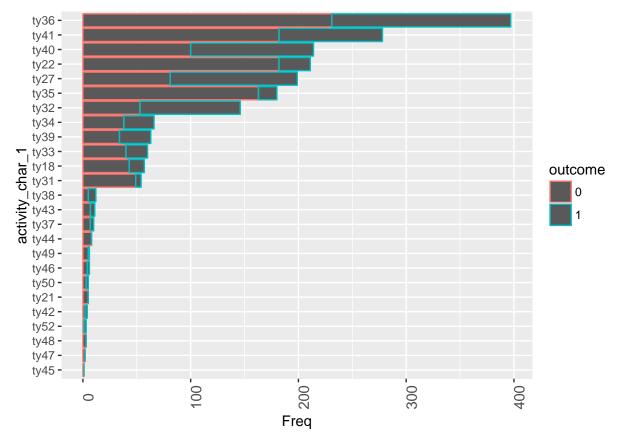
Inspect outomces for variable activity_char_1







```
ggplot(
   data=df_without_blanks[df_without_blanks$activity_char_1 %in% second_frequent_levels, ],
        aes(x=activity_char_1, y=Freq, color=outcome)) +
   geom_bar(stat='identity') +
   theme(axis.text.x=element_text(angle=90, size=11)) +
   scale_x_discrete(labels=abbreviate) +
   coord_flip()
```



```
counts <- table(merged_raw$activity_char_1)
counts[order(counts, decreasing=T)]</pre>
```

```
##
##
            type 2 type 5 type 1 type 12 type 3 type 10
                                                               type 7 type 23
##
   2039676
             38030
                      34509
                              14938
                                       14917
                                               12372
                                                         7795
                                                                 7312
                                                                          2420
    type 6 type 11 type 26
                             type 8 type 17 type 13
                                                       type 4 type 15 type 29
              2333
                       2220
                               2110
                                        1778
                                                1586
                                                         1329
                                                                 1284
##
      2385
                                                                          1233
   type 16
            type 9 type 14 type 28 type 25 type 30 type 24 type 19 type 20
##
      1229
              1225
                        990
                                706
                                         694
                                                 653
                                                          641
                                                                  491
                                                                           434
   type 36 type 41 type 40 type 22 type 27 type 35 type 32 type 34 type 39
                        214
                                211
                                                                            63
##
       397
               278
                                         199
                                                 180
                                                          146
                                                                   66
##
   type 33 type 18 type 31 type 38 type 43 type 37 type 44 type 46 type 49
                                                                     6
                                                                             6
##
                                 12
                                          11
                                                            8
                57
                         54
                                                  10
## type 21 type 50 type 42 type 48 type 52 type 47 type 45
                                           3
##
         5
                  5
                          4
                                   3
                                                    2
```

Most outcomes for variable activity_char_1 are blanks. Counting the number of blanks for each variable is easily done by the colSums function.

```
colSums(merged_raw == '')
```

```
## V1 people_id people_char_1 people_group_1
## 0 0 0 0
## people_char_2 people_date people_char_3 people_char_4
```

```
##
       people_char_5
##
                          people_char_6
                                                                 people_char_8
                                              people_char_7
##
##
       people_char_9
                         people_char_10
                                                                people_char_12
                                             people_char_11
##
##
      people_char_13
                         people_char_14
                                             people_char_15
                                                                people_char_16
##
                                                           0
                                                                people_char_20
##
      people_char_17
                         people_char_18
                                             people_char_19
##
                                                           0
                                                                              0
##
                         people_char_22
                                             people_char_23
                                                                people_char_24
      people_char_21
##
                                             people_char_27
##
      people_char_25
                          people_char_26
                                                                people_char_28
##
                                                           0
                                                                              0
                         people_char_30
                                             people_char_31
                                                                people_char_32
##
      people_char_29
##
                                       0
                                                           0
                                                                              0
##
      people_char_33
                         people_char_34
                                             people_char_35
                                                                people_char_36
##
                                       0
                                                           0
      people_char_37
                         people_char_38
##
                                                activity_id
                                                                 activity_date
##
                                       0
                                                           0
##
   activity_category
                        activity_char_1
                                            activity_char_2
                                                               activity_char_3
##
                                 2039676
                                                    2039676
                                                                        2039676
##
     activity_char_4
                        activity_char_5
                                            activity_char_6
                                                               activity_char_7
##
                                                                        2039676
              2039676
                                 2039676
                                                    2039676
##
     activity_char_8
                        activity_char_9
                                           activity_char_10
                                                                        outcome
                                                                              0
##
              2039676
                                 2039676
                                                      157615
```

Notice that the number of blanks for variables activity_char_1 up to 9 is constant. This indicates that each record contains data associated to one specific activity.

Number of unque values for each variable

apply(merged_raw, MARGIN=2, function(x) length(unique(x)))

##	V1	people_id	people_char_1	people_group_1
##	2197291	151295	2	29899
##	people_char_2	people_date	people_char_3	people_char_4
##	3	1196	43	25
##	people_char_5	people_char_6	people_char_7	people_char_8
##	9	7	25	8
##	people_char_9	people_char_10	people_char_11	people_char_12
##	9	2	2	2
##	people_char_13	people_char_14	people_char_15	people_char_16
##	2	2	2	2
##	people_char_17	people_char_18	people_char_19	people_char_20
##	2	2	2	2
##	people_char_21	people_char_22	people_char_23	people_char_24
##	2	2	2	2
##	people_char_25	people_char_26	people_char_27	people_char_28
##	2	2	2	2
##	people_char_29	people_char_30	people_char_31	people_char_32
##	2	2	2	2
##	people_char_33	people_char_34	people_char_35	people_char_36
##	2	2	2	2
##	people_char_37	people_char_38	activity_id	activity_date

```
##
                                     101
                                                    2197291
                        activity_char_1
                                            activity_char_2
                                                               activity_char_3
## activity_category
##
                                      52
                                                         33
##
                                            activity_char_6
                                                               activity_char_7
     activity_char_4
                        activity_char_5
##
                                       8
                                                          6
##
     activity_char_8
                        activity_char_9
                                          activity_char_10
                                                                       outcome
                   19
                                                                              2
##
                                      20
```

Check if non blank activity values are recorded groupvise

```
for (ind in 2:10) {
    colname <- paste0("activity_char_", ind)</pre>
    if (sum((merged_raw$activity_char_1 != '') != (merged_raw[, colname, with=F] != '')) != 0) {
        print(paste("Non blank indices for activity_char_1 and activity_char", ind, "differ"))
   }
   else {
        print(paste("Non blank indices for activitiy_char_1 and activity_char", ind, "are equal"))
    }
}
## [1] "Non blank indices for activitiy_char_1 and activity_char 2 are equal"
## [1] "Non blank indices for activitiy_char_1 and activity_char 3 are equal"
## [1] "Non blank indices for activitiy_char_1 and activity_char 4 are equal"
## [1] "Non blank indices for activitiy_char_1 and activity_char 5 are equal"
## [1] "Non blank indices for activitiy_char_1 and activity_char 6 are equal"
## [1] "Non blank indices for activitiy_char_1 and activity_char 7 are equal"
## [1] "Non blank indices for activitiy_char_1 and activity_char 8 are equal"
## [1] "Non blank indices for activitiy_char_1 and activity_char 9 are equal"
## [1] "Non blank indices for activitiy_char_1 and activity_char 10 differ"
```

By the data specification it is said that, type 1 activities are different from type 2-7 activities in the sense that there are more known characteristics associated with type 1 activities (nine in total) than type 2-7 activities (which have only one associated characteristic)

Count value distribution for the activity categories

```
table(merged_raw$activity_category)
```

```
## type 1 type 2 type 3 type 4 type 5 type 6 type 7 ## 157615 904683 429408 207465 490710 4253 3157
```

Number of unique values when fixing the activity category

```
##
                             people_id
                                             people_char_1
                                                                people_group_1
             -154458
##
                                 -72956
                                                                       -15752
                           people_date
                                             people_char_3
                                                                people_char_4
##
       people_char_2
##
##
       people_char_5
                          people_char_6
                                             people_char_7
                                                                people_char_8
##
##
       {\tt people\_char\_9}
                         people_char_10
                                                               people_char_12
                                            people_char_11
##
                                                                people_char_16
##
      people_char_13
                         people_char_14
                                            people_char_15
##
##
      people\_char\_17
                         people_char_18
                                            people_char_19
                                                               people_char_20
##
                                                          0
                                                                people_char_24
##
                         {\tt people\_char\_22}
                                            people_char_23
      people\_char\_21
##
##
      people\_char\_25
                         people_char_26
                                            people_char_27
                                                                people_char_28
##
##
      people_char_29
                                                                people_char_32
                         people_char_30
                                            people_char_31
##
##
      people_char_33
                         people_char_34
                                            people_char_35
                                                               people_char_36
##
                         people_char_38
##
      people_char_37
                                               activity_id
                                                               activity_date
                                                  -154458
                                                              activity_char_3
##
                        activity_char_1
                                           activity_char_2
   activity_category
##
##
                        activity_char_5
     activity_char_4
                                           activity_char_6
##
##
                        activity_char_9
                                          activity_char_10
     activity_char_8
                                                                       outcome
                 -17
```

type2 - type1

##	V1	people_id	people_char_1	people_group_1
##	747068	13935	0	6022
##	people_char_2	<pre>people_date</pre>	people_char_3	people_char_4
##	0	6	1	0
##	people_char_5	people_char_6	people_char_7	people_char_8
##	0	0	0	0
##	people_char_9	people_char_10	people_char_11	people_char_12
##	0	0	0	0
##	people_char_13	people_char_14	people_char_15	people_char_16
##	0	0	0	0
##	people_char_17	people_char_18	people_char_19	people_char_20
##	0	0	0	0
##	people_char_21	people_char_22	people_char_23	people_char_24
##	0	0	0	0
##	people_char_25	people_char_26	people_char_27	people_char_28
##	0	0	0	0
##	people_char_29	people_char_30	people_char_31	people_char_32
##	0	0	0	0
##	people_char_33	people_char_34	people_char_35	<pre>people_char_36</pre>
##	0	0	0	0
##	people_char_37	people_char_38	activity_id	activity_date
##	0	0	747068	-25
##	activity category	activity char 1	activity_char_2	activity char 3

```
## 0 -50 -31 -10
## activity_char_4 activity_char_5 activity_char_6 activity_char_7
## -6 -6 -6 -4 -7
## activity_char_8 activity_char_9 activity_char_10 outcome
## -17 -18 0 0
```

type7 - type2

				-
##	V1	people_id	people_char_1	people_group_1
##	-901526	-86891	0	-21774
##	people_char_2	<pre>people_date</pre>	people_char_3	people_char_4
##	0	-772	-4	0
##	people_char_5	people_char_6	people_char_7	people_char_8
##	0	0	0	0
##	people_char_9	people_char_10	people_char_11	people_char_12
##	0	0	0	0
##	people_char_13	people_char_14	people_char_15	people_char_16
##	0	0	0	0
##	people_char_17	people_char_18	people_char_19	people_char_20
##	0	0	0	0
##	people_char_21	people_char_22	people_char_23	people_char_24
##	0	0	0	0
##	people_char_25	people_char_26	people_char_27	people_char_28
##	0	0	0	0
##	people_char_29	people_char_30	people_char_31	people_char_32
##	0	0	0	0
##	people_char_33	people_char_34	people_char_35	people_char_36
##	0	0	0	0
##	people_char_37	people_char_38	activity_id	activity_date
##	0	0	-901526	-119
##	activity_category	activity_char_1	activity_char_2	activity_char_3
##	0	0	0	0
##	activity_char_4	activity_char_5	activity_char_6	activity_char_7
##	0	0	0	0
##	activity_char_8	activity_char_9	activity_char_10	outcome
##	0	0	0	0