

Github Collaboration

Tingwei Adeck, Kaity Trinidad, Noor Aayla

March 21, 2025

Import Data

```
library(readr)
TextMessages <- read_csv("TextMessages.csv")
#View(TextMessages)
head(TextMessages)
```

```
## # A tibble: 6 x 4
##   Group Baseline Six_months Participant
##   <dbl>   <dbl>   <dbl>   <dbl>
## 1     1     52     32         1
## 2     1     68     48         2
## 3     1     85     62         3
## 4     1     47     16         4
## 5     1     73     63         5
## 6     1     57     53         6
```

Factorization (Data Wrangling)

```
#factor a variable en place - risky
make_factor <- function(data, var){
  refactored <- as.factor(data[[var]]) #make factor
  data[[var]] <- refactored #assign factor back to var
  data #return
}

#factor with labels scalably
!!!! to unpack the vectors and setnames to map values to labels
make_factor_scale <- function(data, var, newvarName, fact_num_vect,
                              fact_char_vect) {
  data[[newvarName]] <- dplyr::recode(data[[var]],
                                     !!!setNames(fact_char_vect,
                                                  fact_num_vect))
  data
}

#check the groups
unique(TextMessages$Group)

## [1] 1 2

TextMessages <- make_factor_scale(TextMessages,
                                  "Group",
                                  "Group_factor", c(1,2),
```

```
                                c("Group 1",  
                                  "Group 2"))  
TextMessages <- TextMessages %>%  
  dplyr::relocate("Group_factor", .after = "Group")
```

This is a test now of making changes to a binary file and then doing all the needed merges.

References

ggplot2 facet : split a plot into a matrix of panels