## Shuffled Text Generator

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## Load libraries

If the libraries are not installed yet, you need to install them using, for example, the command: install.packages("ggplot2").

```
library(stringi)
library(gsubfn)
```

## Loading required package: proto

## List files

Create list with all the files in the directory "writing".

## [1] 74

## Shuffled text generator

Create shuffled texts (based on natural language texts).

```
chars <- chars[1:n] # use only maximally n units</pre>
chars <- chars[!is.na(chars)] # remove NAs for vectors which are</pre>
# already shorter than n
#chars <- chars[chars != " "] # remove white spaces from character vector</pre>
# collapse the character vector into a single string
chars.collapsed <- paste(chars, collapse = "")</pre>
chars.shuffled <- stri_rand_shuffle(chars.collapsed)</pre>
# create meta information for file header
meta.info <- c("#type:\tshuffled",</pre>
               paste("#specification:\tshuffled text generated from text", basename(file)),
              "#scriptcode:\tLatn", "#source:\tRcode in shuffledTextGenerator.Rmd",
              "#encoding:\tutf-8", "#copyright:\tNA",
              "#comments:\t", "")
# add meta information
full.vec <- append(meta.info, chars.shuffled)</pre>
# get filename
filename <- basename(file)</pre>
# get the three letter identification code + the running number of the original
code <- substring(substring(filename, regexpr("_", filename) + 1), 1, 8)</pre>
# write to file
new.filename <- paste("shuffled_", code, sep = "")</pre>
write(full.vec, file = paste("~/Github/NaLaFi/data/non-writing/shuffled/", new.filename,
                              sep = ""), append = FALSE, sep = "\n")
```