

# Random String Generation

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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)
```

## Random string generator

Create random strings by drawing from the English alphabet (upper and lower case, including white space with uniform probability).

```
# set seed for random sampling to get reproducible result
set.seed(09012020)
# add whote space to the set of "letters"
letters.plus.space <- append(" ", letters)
for (i in 2:48){
  meta.info <- c("#type:\trandom", "#specification:\trandomly generated string (ran)",
    "#scriptcode:\tLatn", "#source:\tRcode in randomStringGenerator.Rmd",
    "#encoding:\ttutf-8", "#copyright:\tNA",
    "#comments:\t", "")
  random.string <- paste(sample(c(append(letters.plus.space, LETTERS)[1:i]),
    1000, replace = T), collapse = "")
  # add meta information
  full.vec <- append(meta.info, random.string) # append string to meta.info vector
  # write to file
  filename <- paste("random_ran_", i, sep = "")
  write(full.vec, file = paste("~/Github/NaLaFi/data/non-writing/random/", filename, sep = ""),
    append = FALSE, sep = "\n")
}
```