

R Tibble Dataframe String Manipulations

Fan Wang

2021-01-10

Contents

1	String Dataframes	1
1.1	List of Strings to Tibble Datfare	1
1.2	Find and Replace	1

1 String Dataframes

Go to the [RMD](#), [R](#), [PDF](#), or [HTML](#) version of this file. Go back to [fan's REconTools](#) Package, [R Code Examples](#) Repository ([bookdown site](#)), or [Intro Stats with R](#) Repository ([bookdown site](#)).

1.1 List of Strings to Tibble Datfare

There are several lists of strings, store them as variables in a dataframe.

```
# Sting data inputs
ls_st_abc <- c('a', 'b', 'c')
ls_st_efg <- c('e', 'f', 'g')
ls_st_opq <- c('o', 'p', 'q')
mt_str = cbind(ls_st_abc, ls_st_efg, ls_st_opq)

# Column Names
ar_st_varnames <- c('id', 'var1', 'var2', 'var3')

# Combine to tibble, add name col1, col2, etc.
tb_st_combine <- as_tibble(mt_str) %>%
  rowid_to_column(var = "id") %>%
  rename_all(~c(ar_st_varnames))

# Display
kable(tb_st_combine) %>% kable_styling_fc()
```

id	var1	var2	var3
1	a	e	o
2	b	f	p
3	c	g	q

1.2 Find and Replace

Find and Replace in Dataframe.

```
# if string value is contained in variable
("bridex.B" %in% (df.reg.out.all$vars_var.y))
# if string value is not contained in variable:
# 1. type is variable name
# 2. Toyota/Mazda are strings to be excluded
filter(mtcars, !grepl('Toyota|Mazda', type))

# filter does not contain string
rs_hgt_prot_log_tidy %>% filter(!str_detect(term, 'prot'))
```