R String Arrays

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String Arrays

Go back to [fan](#)'s [REconTools](#) Package, [R4Econ](#) Repository, or [Intro Stats with R](#) Repository.

```r
# String replacement
gsub(x = paste0(unique(df.slds.stats.perc$it.inner.counter), ':',
                unique(df.slds.stats.perc$z_n_a_n), collapse = ';'),
     pattern = "\n",
     replacement = "")
gsub(x = var,  pattern = "\n", replacement = "")
gsub(x = var.input,  pattern = "\\.", replacement = "_")
```

String Replace

String Contains

- r if string contains

```r
st_example_a <- 'C:/Users/fan/R4Econ/amto/tibble/fs_tib_basics.Rmd'
st_example_b <- 'C:/Users/fan/R4Econ/amto/tibble/_main.html'
grepl('_main', st_example_a)
```

```
## [1] FALSE
```

```r
grepl('_main', st_example_b)
```

```
## [1] TRUE
```

```r
# Simple Collapse
vars.group.by <- c('abc', 'efg')
paste0(vars.group.by, collapse='|')
```

String Concatenate

```
## [1] "abc|efg"
```

```r
# Add Leading zero for integer values to allow for sorting when
# integers are combined into strings
```

```
it_z_n <- 1
it_a_n <- 192
print(sprintf("%02d", it_z_n))
```

String Add Leading Zero

```
## [1] "01"
```

```
print(sprintf("%04d", it_a_n))
```

```
## [1] "0192"
```

Substring and File Name   From path, get file name without suffix.

- r string split
- r list last element
- r get file name from path
- r get file path no name

```
st_example <- 'C:/Users/fan/R4Econ/amto/tibble/fs_tib_basics.Rmd'
st_file_wth_suffix <- tail(strsplit(st_example, "/")[[1]],n=1)
st_file_wno_suffix <- sub('\\.Rmd$', '', basename(st_example))
st_fullpath_nosufx <- sub('\\.Rmd$', '', st_example)
st_lastpath_noname <- basename(dirname(st_example))
st_fullpath_noname <- dirname(st_example)

print(strsplit(st_example, "/"))
```

```
## [[1]]
## [1] "C:"                "Users"             "fan"               "R4Econ"
## [5] "amto"              "tibble"            "fs_tib_basics.Rmd"
```

```
print(st_file_wth_suffix)
```

```
## [1] "fs_tib_basics.Rmd"
```

```
print(st_file_wno_suffix)
```

```
## [1] "fs_tib_basics"
```

```
print(st_fullpath_nosufx)
```

```
## [1] "C:/Users/fan/R4Econ/amto/tibble/fs_tib_basics"
```

```
print(st_lastpath_noname)
```

```
## [1] "tibble"
```

```
print(st_fullpath_noname)
```

```
## [1] "C:/Users/fan/R4Econ/amto/tibble"
```