

R documentation

of 'all_data_to_upper.Rd' etc.

July 28, 2016

all_data_to_upper	<i>Converts column names to upper case for a given list of datasets</i>
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Description

Converts column names to upper case for a given list of datasets

Usage

```
all_data_to_upper(list_of_loaded_datasets)
```

Arguments

list_of_loaded_datasets
A list of loaded datasets

Value

Changes the datasets in place, with column names converted to upper case

Examples

```
## Not run:
setwd("path/to/datasets/")
list_of_datasets <- ls(pattern = "expr") # "expr" is a character string common to
every data set (for example, suppose all you loaded data sets are of the form *_entrep_*)
list_of_loaded_datasets <- read_list(list_of_datasets, read_func = read.csv)
updated_list <- all_data_to_upper(list_of_loaded_datasets)

## End(Not run)
```

multi_join

Merges more than two datasets together using 'Reduce()'

Description

This function is useful to merge a lot of datasets together. It uses 'dplyr' join functions internally. Inspired by: <http://novicemetrics.blogspot.lu/2011/04/merging-multiple-data-files-into-one.html>

Usage

```
multi_join(list_of_loaded_data, read_func, join_func, ...)
```

Arguments

read_func A function, the read function to use to read the data
join_func A function, the join function to use to join the data together
... Further parameters to pass to the join function
list_of_loaded_datasets
 A list of loaded datasets

Value

Returns the merged datasets

Examples

```
## Not run:
setwd("path/to/datasets/")
list_of_datasets <- ls(pattern = "expr") # "expr" is a character string common to
every data set (for example, suppose all you loaded data sets are of the form *_entrep_*)
list_of_loaded_datasets <- read_list(list_of_datasets, read_func = read.csv)
merged_data <- multi_join(list_of_loaded_datasets, full_join, by = "some_var")
If you have a list of lists of datasets, you can merge the lists like this:
lapply(hu, multi_join, read_csv, full_join)

## End(Not run)
```

read_list

Reads a list of datasets

Description

Reads a list of datasets

Usage

```
read_list(list_of_datasets, read_func)
```

Arguments

`list_of_datasets`

A list of datasets (names of datasets are strings)

`read_func`

A function, the read function to use to read the data

Value

Returns a list of the datasets

Examples

```
## Not run:  
setwd("path/to/datasets/")  
list_of_datasets <- list.files(pattern = "*.csv")  
list_of_loaded_datasets <- read_list(list_of_datasets, read_func = read.csv)  
  
## End(Not run)
```

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