Package: dataCompare (via r-universe)

October 22, 2024

Title A 'shiny' App to Compare Two Data Frames

Version 1.0.0

Description A tool developed with the 'Golem' framework which provides an easier way to check cells differences between two data frames. The user provides two data frames for comparison, selects IDs variables identifying each row of input data, then clicks a button to perform the comparison. Several 'R' package functions are used to describe the data and perform the comparison in the server of the application. The main ones are comparedf() from 'arsenal' and skim() from 'skimr'. For more details see the description of comparedf() from the 'arsenal' package and that of skim() from the 'skimr' package.

License MIT + file LICENSE

URL https://github.com/seewe/dataCompare

BugReports https://github.com/seewe/dataCompare/issues

Imports arsenal, config, data.table, devtools, dplyr, DT, golem, htmltools, lubridate, magrittr, pins, shiny, shinydashboard, shinydashboardPlus, shinyjs, shinyWidgets, skimr, tools, utils, vroom

Suggests knitr, rmarkdown, testthat (>= 3.0.0)

VignetteBuilder knitr

Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 7.3.2

NeedsCompilation no

Author Sergio Ewane Ebouele [aut, cre]

Maintainer Sergio Ewane Ebouele <info@dataforknow.com>

Depends R (>= 3.5.0)

Repository CRAN

Date/Publication 2024-10-21 11:50:03 UTC

Contents

`compare_data_frame_object`
Function which perform the comparison of dataframe

Description

Function which perform the comparison of dataframe

Usage

```
compare_data_frame_object(df1, df2, id_var)
```

Arguments

`df1`	The first dataframe of the comparison
`df2`	The second dataframe of the comparison
`id_var`	Tve vector of id variable to identify the observations in df1 and df2

Value

An object of class "comparedf" as made by the 'comparedf' S3 method is returned.

Examples

```
library(dplyr)
compare_data_frame_object(
     iris %>% dplyr::mutate(ID = row_number()),
     iris %>% dplyr::mutate(ID = row_number()),
     'ID')
```

data_table_formatter *Datatable formatter, to print on the screen*

Description

Datatable formatter, to print on the screen

Usage

```
data_table_formatter(df, n_page = 5)
```

Arguments

df	dataframe to format
n_page	number of rows to display per page

Value

An object of class "htmlwidget" containing a formated data.frame to print on app UI

Examples

```
data_table_formatter(iris, 10)
```

golem_add_external_resources *Add external Resources to the Application*

Description

This function is internally used to add external resources inside the Shiny application.

Usage

```
golem_add_external_resources()
```

Value

No return value, called for side effects

mod_comp_desc_ui *mod_comp_desc_ui and mod_comp_desc_server*

Description

A shiny module.

Usage

```
mod_comp_desc_ui(id)
```

Arguments

id	an id

Value

No return value

mod_comp_details_ui *mod_comp_details_ui and mod_comp_details_server*

Description

A shiny module.

Usage

```
mod_comp_details_ui(id)
```

Arguments

id	an id

Value

No return value

mod_intro_ui *mod_intro_ui and mod_intro_server*

Description

A shiny module.

Usage

```
mod_intro_ui(id)
```

Arguments

id	an id

Value

No return value

mod_load_data_ui *mod_load_data_ui and mod_load_data_server*

Description

A shiny module.

Usage

```
mod_load_data_ui(id)
```

Arguments

id	an id

Value

No return value

`read_loaded_df` *read data loaded from an input file*

Description

read data loaded from an input file

Usage

```
read_loaded_df(input_file_data, file_sep = ";")
```

Arguments

`input_file_data`	the link of the data to load
`file_sep`	the separator used to read the csv data. Possible values are : semi column";", comma"," or column":"

Value

An object of 'data.frame' class read from user input or a validation message

`run_data_compare_app` *Run the dataCompare Shiny Application*

Description

Run the dataCompare Shiny Application

Usage

```
run_data_compare_app(...)
```

Arguments

`...`	list of arguments

Value

No return value, launch the app

same_variables *Detect common variables in two dataset*

Description

Detect common variables in two dataset

Usage

```
same_variables(df1, df2)
```

Arguments

df1	the first dataset to use
df2	The second dataset to use

Value

a Character vector containing all variables names in both df1 and df2

Examples

```
same_variables(iris, iris)
same_variables(mtcars, mtcars)
```

skim_char *Skim a dataset and return only characters variables characteristics*

Description

Skim a dataset and return only characters variables characteristics

Usage

```
skim_char(the_data)
```

Arguments

the_data	Data on which the skim function will apply the description on character variables

Value

a data.frame object containing description of all character (factor, character or date) variable in the input data.

Examples

```
skim_char(iris)
skim_char(mtcars)
```

`skim_num` *Skim a dataset and return only numeric variables characteristics*

Description

Skim a dataset and return only numeric variables characteristics

Usage

```
skim_num(the_data)
```

Arguments

`the_data`	Data on which the skim function will apply the description on numeric variables

Value

a data.frame object containing description of all numeric (doucle or integer) variable in the input data.

Examples

```
skim_num(iris)
skim_num(mtcars)
```

Index