

Package ‘dplyrAssist’

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Type Package

Title RStudio Addin for Teaching and Learning Data Manipulation Using 'dplyr'

Version 0.1.0

Imports shiny (>= 0.13), miniUI (>= 0.1.1), rstudioapi (>= 0.5), shinyWidgets, shinyAce, tidyverse, tidyr, stringr, magrittr, plyr, DT

Suggests nycflights13, knitr, rmarkdown

URL <https://github.com/cardiomoon/dplyrAssist>

BugReports <https://github.com/cardiomoon/dplyrAssist/issues>

Description An RStudio addin for teaching and learning data manipulation using the 'dplyr' package. You can learn each steps of data manipulation by clicking your mouse without coding. You can get resultant data (as a 'tibble') and the code for data manipulation.

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Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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checkInvalid	<i>Check the validity of code</i>
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Description

Check the validity of code

Usage

```
checkInvalid(temp)
```

Arguments

temp A character string to check validity

Value

The position of the first invalid code or NULL

Examples

```
checkInvalid(c("iris", "irissss"))
```

codes2kind	<i>Differentiate the R code</i>
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Description

Differentiate the R code

Usage

```
codes2kind(vcodes)
```

Arguments

vcodes A character vector to differentiate

Value

A character vector indicating whether the code returns text or plot

Examples

```
require(tidyverse)
temp <-c("iris %>% group_by(Species) %>% summarize_all(mean)","table1")
codes2kind(temp)
```

dplyrAssist

A shiny app for learn dplyr

Description

Interactively manipulate a `data.frame` or a `tibble`. The resulting code will be emitted as an R code.

Usage

```
dplyrAssist(df = NULL, right = NULL)
```

Arguments

<code>df</code>	A <code>tibble</code> or a <code>tbl_df</code> or a <code>data.frame</code> to manipulate
<code>right</code>	Optional second data(A <code>tibble</code> or a <code>tbl_df</code> or a <code>data.frame</code>) to join

Details

This addin can be used to interactively manipulate a `data.frame` or a `tibble` using `dplyr`. The intended way to use this is as follows:

1. Highlight a symbol naming a `data.frame` or a `tibble` in your R session, e.g. `mtcars`,
2. Execute this addin, to interactively manipulate it.

When you're done, the code for data manipulation will be emitted at the cursor position.

Value

A manipulated `tibble` or `NULL`

Examples

```
library(tidyverse)
library(nycflights13)

## Not run:
dplyrAssist(band_members,band_instruments)
dplyrAssist(flights)
result<-dplyrAssist(iris)
cat(attr(result,"code"))

## End(Not run)
```

findData	<i>Detect the valid data</i>
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Description

Detect the valid data

Usage

```
findData(codes)
```

Arguments

codes A character vector to detect

Value

The last data in codes

Examples

```
require(tidyverse)
temp <- "iris %>%
group_by(Species) %>%
summarize_all(mean)

table1"
findData(temp)
```

makeValid	<i>Make valid R code</i>
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Description

Make valid R code

Usage

```
makeValid(temp)
```

Arguments

temp A character vector to make a valid code

Value

A valid R codes

Examples

```
require(tidyverse)
temp <- "iris %>%
group_by(Species) %>%
summarize_all(mean)

table1"
makeValid(temp)
```

`makeValidCode`*Make valid R code*

Description

Make valid R code

Usage

```
makeValidCode(codes)
```

Arguments

`codes` A character vector to make a valid code

Value

A valid R codes

Examples

```
require(tidyverse)
temp <- "iris %>%
group_by(Species) %>%
summarize_all(mean)

table1"
makeValidCode(temp)
```

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