Package ‘collidr’

Type Package
Title Check for Namespace Collisions with Other Packages and Functions on CRAN
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Imports dplyr, stringr, jsonlite, utils
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Description Check for namespace collisions between a string input (your function or package name) and a quarter of a million packages and functions on CRAN.

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Description

collidr: Check for Namespace Collisions with Functions and Packages on CRAN

Details

It has the goal of providing a convenient and native way of checking for namespace collisions when writing functions and packages.

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Usage

data(CRANdf)

Format

An object of class data.frame with 294190 rows and 2 columns.

Source

The Comprehensive R Archive Network, <https://cran.r-project.org/web/packages/available_packages_by_name.html>

Examples

data(CRANdf)
packages <- CRANdf$package_names
functions <- CRANdf$function_names
CRAN_collisions  

Check for Namespace Collisions

Description
Check for namespace collisions with functions and packages on CRAN

Usage
CRAN_collisions(function_or_package_name, CRANdf)

Arguments
function_or_package_name
A character string, or vector of character strings.
CRANdf
Optionally provide an updated CRAN data.frame (obtain with getCRAN())

Examples

# Test single function name
function_or_package_name <- "a3.r2"
CRAN_collisions(function_or_package_name)

# Test multiple function names
function_or_package_name <- c("a3.r2", "xtable.A3")
CRAN_collisions(function_or_package_name)

# Test single package name
function_or_package_name <- "dplyr"
CRAN_collisions(function_or_package_name)

# Test multiple package names
function_or_package_name <- c("dplyr", "data.frame", "gsubfn")
CRAN_collisions(function_or_package_name)

CRAN_functions  

Show the functions that are on CRAN

Description
Show functions from CRAN.
Usage

CRAN_function_collisions

Arguments

function_name A character string, or vector of character strings.
CRANdf Optionally provide an updated CRAN data.frame (obtain with getCRAN())

Examples

# Test single function name
function_name <- "a3.r2"
CRAN_function_collisions(function_name)

# Test multiple function names
function_name <- c("a3.r2", "xtable.A3")
CRAN_function_collisions(function_name)
CRAN_packages

Show the packages that are on CRAN

Description
Show a list of packages on CRAN.

Usage
CRAN_packages(CRANdf)
CRANp(CRANdf)

Arguments
CRANdf Optionally provide an updated CRAN data.frame (obtain with getCRAN())

Examples

# Show CRAN packages
CRAN_packages()

CRAN_packages_and_functions

Show the packages and functions that are on CRAN

Description
Show functions from CRAN.

Usage
CRAN_packages_and_functions(CRANdf)
CRANpf(CRANdf)

Arguments
CRANdf Optionally provide an updated CRAN data.frame (obtain with getCRAN())
Examples

# Show CRAN packages and functions
CRAN_packages_and_functions()

CRAN_package_collisions

Check for Namespace Collisions

Description

Check for namespace collisions with packages on CRAN

Usage

CRAN_package_collisions(package_name, CRANdf)

Arguments

package_name A character string, or vector of character strings.
CRANdf Optionally provide an updated CRAN data.frame (obtain with getCRAN())

Examples

# Test single package name
package_name <- "dplyr"
CRAN_package_collisions(package_name)

# Test multiple package names
package_name <- c("dplyr", "data.frame", "gsubfn")
CRAN_package_collisions(package_name)
getCRAN

Retrieve a more up to date data.frame of packages and functions from CRAN

Description

Retrieve a more up to date data.frame of packages and functions from CRAN

Usage

getCRAN()

Examples

## Not run:
# Retrieve CRAN functions
CRAN_updated <- getCRAN()

## End(Not run)
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