Package ‘collidr’

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Type Package
Title Check for Namespace Collisions Across Packages and Functions on CRAN
Version 0.1.3
Imports dplyr, stringr, jsonlite, utils
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BugReports https://github.com/collidrpackage/collidr/issues
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URL https://github.com/collidrpackage/collidr
Description Check for namespace collisions between a string input (your function or package name) and half a million packages and functions on CRAN.
Encoding UTF-8
LazyData true
RoxygenNote 7.1.1
Depends R (>= 2.10)
NeedsCompilation no
Repository CRAN
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**CRANdf**

**CRAN Package and Function Data: 1 May 2019**

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**Description**

Package and function data from The Comprehensive R Archive Network

**Usage**

```r
data(CRANdf)
```

**Format**

An object of class `data.frame` with 524305 rows and 2 columns.

**Source**

The Comprehensive R Archive Network, [https://cran.r-project.org/web/packages/available_packages_by_name.html](https://cran.r-project.org/web/packages/available_packages_by_name.html)

**Examples**

```r
data(CRANdf)
packages <- CRANdf$package_names
functions <- CRANdf$function_names
```

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**CRAN_collisions**

**Check for Namespace Collisions**

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**Description**

Check for namespace collisions with functions and packages on CRAN

**Usage**

```r
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_functions(CRANdf)

CRANf(CRANdf)

Arguments

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

Examples

# Show CRAN functions
CRAN_functions()
CRAN_packages

CRAN_function_collisions

  Check for Namespace Collisions

Description

Check for namespace collisions with functions on CRAN.

Usage

  CRAN_function_collisions(function_name, CRANdf)

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())
CRAN_packages_and_functions

Examples

```r
# Show CRAN packages
CRAN_packages()
```

CRAN_packages_and_functions

*Show the packages and functions that are on CRAN*

Description

Show functions from CRAN.

Usage

```r
CRAN_packages_and_functions(CRANdf)
CRANpf(CRANdf)
```

Arguments

- **CRANdf**: Optionally provide an updated CRAN data.frame (obtain with `getCRAN()`)

Examples

```r
# 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

```r
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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