

# 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>

**License** MIT + file LICENSE

**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**

```
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**

```
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_functions(CRANdf)
```

```
CRANf(CRANdf)
```

**Arguments**

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

**Examples**

```
# Show CRAN functions
CRAN_functions()
```

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()`)

**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	<i>Retrieve a more up to date data.frame of packages and functions from CRAN</i>
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---

**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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