

# Package ‘yulab.utils’

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**Title** Supporting Functions for Packages Maintained by 'YuLab-SMU'

**Version** 0.0.5

**Description** Miscellaneous functions commonly used by 'YuLab-SMU'.

**Imports** utils

**ByteCompile** true

**License** Artistic-2.0

**Encoding** UTF-8

**RoxygenNote** 7.1.2

**NeedsCompilation** no

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**Repository** CRAN

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CRANpkg                    *print md text of package with link to homepage (CRAN or Bioconductor)*

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**Description**

print md text of package with link to homepage (CRAN or Bioconductor)

**Usage**

CRANpkg(pkg)

Biocpkg(pkg)

**Arguments**

pkg                    package name

**Value**

md text string

**Author(s)**

Guangchuang Yu

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get\_fun\_from\_pkg        *get\_fun\_from\_pkg*

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**Description**

load function from package

**Usage**

get\_fun\_from\_pkg(pkg, fun)

**Arguments**

pkg                    package

fun                    function

**Value**

function

**Author(s)**

Guangchuang Yu

**Examples**

```
get_fun_from_pkg('utils', 'zip')
```

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`Githubpkg`*Githubpkg*

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**Description**

print md text of package with link to github repo

**Usage**

```
Githubpkg(user, pkg)
```

**Arguments**

user	github user
pkg	package name

**Value**

md text string

**Author(s)**

Guangchuang Yu

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`install_zip`*install\_zip*

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**Description**

install R package from zip file of source codes

**Usage**

```
install_zip(file, args = "--no-build-vignettes")
```

**Arguments**

file	zip file
args	argument to build package

**Value**

No return value, called for install R package from zip file of source codes

**Author(s)**

Guangchuang Yu

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<code>install_zip_gh</code>	<i>install_zip_gh</i>
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**Description**

install github package

**Usage**

```
install_zip_gh(repo, ref = "master", args = "--no-build-vignettes")
```

**Arguments**

repo	github repo
ref	github branch, default is master
args	argument to build package

**Details**

it download the zip file first and use `install_zip` to install it

**Value**

No return value, called for installing github package

**Author(s)**

Guangchuang Yu

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<code>is.installed</code>	<i>is.installed</i>
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**Description**

Check whether the input packages are installed

**Usage**

```
is.installed(packages)
```

**Arguments**

packages      package names

**Details**

This function check whether the input packages are installed

**Value**

logical vector

**Author(s)**

Guangchuang Yu

**Examples**

```
is.installed(c("dplyr", "ggplot2"))
```

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<code>mypkg</code>	<i>mypkg</i>
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**Description**

print md text of link to a package

**Usage**

```
mypkg(pkg, url)
```

**Arguments**

pkg              package name  
url              package url

**Value**

md text string

**Author(s)**

Guangchuang Yu

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o

*o*

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**Description**

open selected directory or file

**Usage**

```
o(file = ".")
```

**Arguments**

file                   to be open; open working directory by default

**Value**

No return value, called for opening specific directory or file

**Author(s)**

Guangchuang Yu

**Examples**

```
## Not run:  
## to open current working directory  
o()  
  
## End(Not run)
```

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read.cb	<i>read.cb</i>
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**Description**

read clipboard

**Usage**

```
read.cb(...)
```

**Arguments**

... parameters for read.table

**Value**

data.frame

**Author(s)**

Guangchuang Yu

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scihub_dl	<i>download publication via scihub</i>
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**Description**

using scihub to download publication using doi

**Usage**

```
scihub_dl(doi, scihub = "sci-hub.tw", download = TRUE)
```

**Arguments**

doi	doi
scihub	scihub website
download	whether download the pdf file

**Value**

pdf url

**Author(s)**

Guangchuang Yu

show\_in\_excel            *show\_in\_excel*

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**Description**

Open data frame in Excel. It can be used in pipe.

**Usage**

```
show_in_excel(.data)
```

**Arguments**

.data            a data frame to be open

**Value**

original .data

**Author(s)**

Guangchuang Yu

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str\_wrap            *str\_wrap*

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**Description**

wrapping long string to multiple lines

**Usage**

```
str_wrap(string, width = getOption("width"))
```

**Arguments**

string            input string  
width            the maximum number of characters before wrapping to a new line

**Value**

update strings with new line character inserted

**Author(s)**

Guangchuang Yu and Erqiang Hu



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