

# Package ‘available’

November 30, 2021

**Title** Check if the Title of a Package is Available, Appropriate and Interesting

**Version** 1.0.5

**Description** Check if a given package name is available to use. It checks the name's validity. Checks if it is used on 'GitHub', 'CRAN' and 'Bioconductor'. Checks for unintended meanings by querying Urban Dictionary, 'Wiktionary' and Wikipedia.

**Depends** R (>= 3.3.0)

**License** MIT + file LICENSE

**Encoding** UTF-8

**RoxygenNote** 7.1.2

**Imports** cli, clisymbols, crayon, tidytext, desc, glue, jsonlite, memoise, SnowballC, stringdist, tibble, udapi, yesno

**Suggests** usethis, BiocManager, testthat, covr

**URL** <https://github.com/r-lib/available>

**BugReports** <https://github.com/r-lib/available/issues>

**NeedsCompilation** no

**Author** Carl Ganz [aut],  
Gábor Csárdi [aut, cre],  
Jim Hester [aut],  
Molly Lewis [aut],  
Rachael Tatman [aut]

**Maintainer** Gábor Csárdi <[csardi.gabor@gmail.com](mailto:csardi.gabor@gmail.com)>

**Repository** CRAN

**Date/Publication** 2021-11-30 13:10:05 UTC

## R topics documented:

available . . . . .	2
available_on_bioc . . . . .	3
available_on_github . . . . .	4

create	4
get_bad_words	4
get_sentiment	5
get_urban_data	5
get_wikipedia	6
pkg_name_dist	6
suggest	7
valid_package_name	7

## Index 8

---

available	<i>See if a name is available</i>
-----------	-----------------------------------

---

### Description

Searches performed

- Valid package name
- Already taken on CRAN
- Positive or negative sentiment
- Urban Dictionary

### Usage

```
available(name, browse = getOption("available.browse", TRUE), ...)
```

### Arguments

name	Name of package to search
browse	Whether browser should be opened for all web links, default = TRUE. Default can be changed by setting <code>available.browse</code> in <code>.Rprofile</code> . See <a href="#">Startup</a> for more details.
...	Additional arguments passed to <code>utils::available.packages()</code> .

### Examples

```
## Not run:
# Check if the available package is available
available("available")

# You can disable opening of browser windows with browse = FALSE
available("survival", browse = FALSE)

# Or by setting a global option
options(available.browse = FALSE)
available("survival")
```

```
# Test if a name is available in a non-default CRAN repository by setting
# the `repos` argument
available_on_cran("semaforos")

available_on_cran("semaforos", repos = "https://bisaloo.r-universe.dev")

## End(Not run)
```

---

available\_on\_bioc      *See if a name is available on CRAN*

---

## Description

See if a name is available on CRAN

## Usage

```
available_on_bioc(name, repos = NULL, ...)

available_on_cran(name, repos = default_cran_repos, ...)
```

## Arguments

name	Name of package to search
repos	character vector, the base URL(s) of the repositories to use.
...	Additional arguments passed to <a href="#">utils::available.packages()</a> .

## Examples

```
available_on_cran("semaforos")

# Test if this name is available in a non-default CRAN repository
## Not run:
available_on_cran("semaforos", repos = "https://bisaloo.r-universe.dev")

## End(Not run)
```

---

available\_on\_github    *See if a name is available on github*

---

**Description**

See if a name is available on github

**Usage**

```
available_on_github(name)
```

**Arguments**

name                    Name of package to search

---

create                    *Check a new package name and possibly create it*

---

**Description**

Check a new package name and possibly create it

**Usage**

```
create(name, ...)
```

**Arguments**

name                    Name of package to search  
...                      Additional arguments passed to `usethis::create_package()`.

---

get\_bad\_words            *Check for bad words in name*

---

**Description**

Check for bad words in name

**Usage**

```
get_bad_words(name)
```

**Arguments**

name                    Name of package to search

**See Also**

See <https://github.com/web-mech/badwords>

---

*get\_sentiment*                    *Get sentiment of name*

---

**Description**

Get sentiment of name

**Usage**

`get_sentiment(name)`

**Arguments**

name                    Name of package to search

---

*get\_urban\_data*                    *get urban dictionary definitions and tags*

---

**Description**

get urban dictionary definitions and tags

**Usage**

`get_urban_data(name)`

**Arguments**

name                    Name of package to search

**Note**

Urban Dictionary can contain potentially offensive results

---

get_wikipedia	<i>Open wikipedia page and abbreviations.com page</i>
---------------	---

---

**Description**

Open wikipedia page and abbreviations.com page

**Usage**

```
get_wikipedia(name)
```

```
get_wiktionary(name)
```

**Arguments**

name	Name of package to search
------	---------------------------

---

pkg_name_dist	<i>Find five closest package names in terms of string distance</i>
---------------	--

---

**Description**

Find five closest package names in terms of string distance

**Usage**

```
pkg_name_dist(name, pkgs)
```

**Arguments**

name	name of package
pkgs	packages to compare with

---

suggest	<i>Suggest a package name based on a development package title or description</i>
---------	---

---

### Description

If the package you are using already has a title, simply pass the path to the package root in path. Otherwise use title to specify a potential title.

### Usage

```
suggest(path = ".", field = c("Title", "Description"), text = NULL)
```

### Arguments

path	Path to a existing package to extract the title from.
field	one of "Title" or "Description"
text	text string to search.

### Examples

```
## Not run:
# Default will use the title from the current path.
suggest()

# Can also suggest based on the description
suggest(field = "Description")

## End(Not run)

# Or by explicitly using the text argument
suggest(text =
  "A Package for Displaying Visual Scenes as They May Appear to an Animal with Lower Acuity")
```

---

valid_package_name	<i>Is a package name valid</i>
--------------------	--------------------------------

---

### Description

Is a package name valid

### Usage

```
valid_package_name(name)
```

### Arguments

name	Name of package to search
------	---------------------------

# Index

available, [2](#)  
available\_on\_bioc, [3](#)  
available\_on\_cran (available\_on\_bioc), [3](#)  
available\_on\_github, [4](#)  
  
create, [4](#)  
  
get\_bad\_words, [4](#)  
get\_sentiment, [5](#)  
get\_urban\_data, [5](#)  
get\_wikipedia, [6](#)  
get\_wiktory (get\_wikipedia), [6](#)  
  
pkg\_name\_dist, [6](#)  
  
Startup, [2](#)  
suggest, [7](#)  
  
usethis::create\_package(), [4](#)  
utils::available\_packages(), [2](#), [3](#)  
  
valid\_package\_name, [7](#)