

Package ‘yearn’

January 12, 2018

Title Use and if Needed Install Packages from CRAN, BioConductor, CRAN Archive, and GitHub

Version 0.1.3

Description This tries to attach a package if you have it; if not, it tries to install it from BioConductor or CRAN; if not available there, it tries to install it from the cran mirror on GitHub, which includes packages that have been removed from CRAN; if not available there, it looks for a matching other package on GitHub to install. Note this is sloppy practice and prone to all sorts of risks. However, there are use cases, such as quick scripting, or in a class where students already know best practices, where this can be useful. yearn was inspired by teaching in PhyloMeth, a course funded by an NSF CAREER award to the author (NSF DEB-1453424).

Depends R (>= 3.3.0)

Imports githubinstall, devtools, BiocInstaller

Suggests testthat

License GPL (>= 2)

URL <http://www.github.com/bomeara/yearn>

Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

NeedsCompilation no

Author Brian O'Meara [aut, cre]

Maintainer Brian O'Meara <omeara.brian@gmail.com>

Repository CRAN

Date/Publication 2018-01-12 19:24:28 UTC

R topics documented:

FindClosestPackage	2
yearn	3
Index	4

FindClosestPackage *Find closest matching package*

Description

Find closest matching package

Usage

```
FindClosestPackage(pkg, maxdist = 2, auto.select = TRUE,
  username.pref = c("cran", "ropensci", "rstudio", "tidyverse", "hadley",
    "yihui", "RcppCore", "eddelbuettel", "ropenscilabs", "hrbrmstr", "thej022214",
    "bomeara"))
```

Arguments

pkg	A single package
maxdist	The maximum distance that counts as a match
auto.select	If TRUE, make a best guess in case of multiple equally good
username.pref	In case of matches, user names in order of preference.

Details

Inspired by `githubinstall::gh_suggest()` but allows being pickier about match. The `username.pref` is based on my guesses on priority: "cran" is a mirror for packages that have been on CRAN at some point, but could have been taken off; "ropensci" and "rstudio" produce really useful packages, etc.

Value

pkgs that match the constraints

Examples

```
## Not run:
yearn(TreEvo) # A package on github, not CRAN (yet)

## End(Not run)
```

yearn *Do yearn on a single package*

Description

Do yearn on a single package

Usage

```
yearn(pkg, maxdist = 0, username.pref = c("cran", "ropensci", "rstudio",  
  "tidyverse", "hadley", "yihui", "RcppCore", "eddelbuettel", "ropenscilabs",  
  "hrbrmstr", "thej022214", "bomeara"))
```

Arguments

pkg	The package name (bare text, NOT in quotes)
maxdist	The maximum distance that counts as a match
username.pref	In case of matches, user names in order of preference.

Details

See the readme file. Basically, this tries to load an installed package. If that fails, it then looks (in order) on Bioconductor, CRAN, GitHub's CRAN mirror, and other GitHub repositories for the package and installs it if it can find it.

Value

NULL if success, a string describing the problem otherwise

Examples

```
## Not run:  
yearn(laser) # A package that was on CRAN but has been removed.  
  
## End(Not run)
```

Index

FindClosestPackage, [2](#)

yearn, [3](#)