

Package ‘coda.pack’

May 8, 2026

Type Package

Title Meta-Package for Compositional Data Analysis

Version 0.1.3

Description Meta-package for compositional data analysis. It attaches the main stable packages of the 'coda' ecosystem, currently 'coda.base' and 'coda.plot', and provides helper tools to install development extensions from 'GitHub'.

License GPL (>= 3)

Encoding UTF-8

RoxygenNote 7.3.2

Depends R (>= 4.1.0), coda.base, coda.plot

Suggests remotes

NeedsCompilation no

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coda_dev_repos	<i>Development repositories in the coda ecosystem</i>
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Description

Development repositories in the coda ecosystem

Usage

```
coda_dev_repos()
```

Value

A character vector. Each element is a GitHub repository identifier of the form "owner/repository" corresponding to a development package in the coda ecosystem.

Examples

```
coda_dev_repos()
```

coda_packages	<i>List packages in the coda ecosystem</i>
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Description

Returns a data frame with the packages currently considered part of the coda ecosystem and their installation source.

Usage

```
coda_packages()
```

Value

A data frame with one row per package and two columns:

package Package name.

source Source from which the package can be installed, currently either "CRAN" or "GitHub".

The returned object is of class `data.frame`.

Examples

```
coda_packages()
```

install_coda_dev	<i>Install development packages from the coda ecosystem</i>
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Description

Installs the development extensions of the coda ecosystem from GitHub.

Usage

```
install_coda_dev(upgrade = "never")
```

Arguments

upgrade Upgrade policy passed to `remotes::install_github()`.

Details

Currently, this function installs:

- `coda.count`

Value

Invisibly returns a character vector with the GitHub repositories that were passed to `remotes::install_github()`. Each element is of the form "owner/repository".

update_coda_packages	<i>Update installed packages from the coda ecosystem</i>
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Description

Updates installed packages that belong to the coda ecosystem. CRAN packages are updated only if a newer version is available on CRAN. GitHub packages are updated from their development repositories.

Usage

```
update_coda_packages(  
  installed_only = TRUE,  
  ask = FALSE,  
  repos = NULL,  
  quiet = FALSE  
)
```

Arguments

<code>installed_only</code>	Logical. If TRUE (default), only packages already installed in the current library are considered for update.
<code>ask</code>	Logical. Passed to <code>utils::old.packages()</code> for CRAN updates. Default is FALSE.
<code>repos</code>	Character vector of CRAN repositories passed to <code>utils::install.packages()</code> . If NULL, the current <code>getOption("repos")</code> value is used.
<code>quiet</code>	Logical. If TRUE, reduce console output where possible. Default is FALSE.

Details

By default, only already installed packages are considered. This avoids installing optional packages that are part of the ecosystem but not yet present in the user's library.

Value

Invisibly returns a list with components:

cran Character vector of CRAN packages updated.

github Character vector of GitHub packages processed for update.

skipped Character vector of ecosystem packages skipped because they were not installed and `installed_only = TRUE`.

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