

Package ‘neurocInstall’

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Type Package

Title 'Neuroconductor' Installer

Version 0.12.0

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Description Installs 'Neuroconductor' packages from the release repository <<https://neuroconductor.org/releases/>> or from 'GitHub'.

Imports devtools (>= 1.12.0.9000), utils, methods

License GPL-2

Encoding UTF-8

LazyData true

Suggests testthat, knitr, rmarkdown, httr

VignetteBuilder knitr

RoxygenNote 7.0.1

NeedsCompilation no

Repository CRAN

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latest_neuroc_release *Latest Neuroconductor Release Location*

Description

Latest Neuroconductor Release Location

Usage

```
latest_neuroc_release(secure = TRUE)

binary_release_repo(release = c("stable", "current"), secure = TRUE)

make_release_version(release_path = NULL, secure = TRUE, check = TRUE)

release_versions(secure = TRUE)
```

Arguments

secure	Should https vs. http be used
release	Stable or current (development) versions
release_path	path to the release on https://neuroconductor.org/releases/
check	should the 'release_path' need to be checked against all the releases?

Value

URL of release page

Examples

```
make_release_version("2018/02/", check = FALSE)

latest_neuroc_release()
```

make_full_version *Make Full Package Version*

Description

Makes a package version to have all the same length. This is helpful when using `compareVersion`.

Usage

```
make_full_version(x)
```

Arguments

x Character vector of package versions

Value

Character vector of versions, each with the same length.

Examples

```
x = c("1.6", "1.6.0")
compareVersion(x[1], x[2])
x2 = make_full_version(x)
compareVersion(x2[1], x2[2])
x = c("1.6", "1.6.0")
compareVersion(x2[1], x2[2])
```

neuro_install	<i>Neuroconductor Installer</i>
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Description

Install function for neuroconductor packages

Usage

```
neuro_install(
  repo,
  release = c("stable", "current"),
  release_repo = latest_neuroc_release(),
  upgrade_dependencies = FALSE,
  type = getOption("pkgType"),
  ...
)

neuroc_install(...)

neuroclite(...)
```

Arguments

repo Package name in neuroconductor

release Stable or current (development) versions/branches

release_repo Repository for release repository, passed to [install.packages](#). If release_repo = "github", then it will install using GitHub. If you set this using [make_release_version](#) or specify the URL directly, it will override release option.

upgrade_dependencies Should dependencies be updated? passed to `install` if using `release_repo = "github"`

type character, indicating the type of package to download and install, passed to `install.packages`.

... additional arguments passed to `install.packages` or `install_github` if `release_repo = "github"`

Value

Result from `install.packages` or `install_github`

Examples

```
tlib = tempfile()
dir.create(tlib, showWarnings = FALSE)
system.time({
  install.packages("oro.asl",
    lib = tlib,
    repos = "https://neuroconductor.org/releases/2019/12/")
})
repos = getOption("repos")
print(repos)
#if (repos["CRAN"] == "@CRAN@") {
#   repos["CRAN"] = "https://cloud.r-project.org"
#   options(repos = repos)
#}
options(repos = NULL)
print(getOption("repos"))
neuro_install("oro.asl", lib = tlib,
  release_repo = "https://neuroconductor.org/releases/2019/12")
options(repos = repos)

neuro_install("cifti", type = "source", lib = tlib)
neuro_install("cifti",
  release_repo = latest_neuroc_release("stable"),
  lib = tlib)

neuro_install("cifti", release_repo = "github")
```

neuro_packages

Neuroconductor Packages

Description

Returns the vector of Neuroconductor packages

Usage

```
neuro_packages(...)
```

Arguments

... Arguments passed to [neuro_package_table](#)

Value

vector of packages available on Neuroconductor

Examples

```
neuro_packages()
```

neuro_package_table *Neuroconductor Package Table*

Description

Returns the table of Neuroconductor packages

Usage

```
neuro_package_table(  
  path = "https://neuroconductor.org/neurocPackages",  
  long = FALSE,  
  deployment = FALSE  
)
```

Arguments

path Path to the table of package
long Should the data be "long" (with respect to stable/current)
deployment indicator if this is a release, not standard flag.

Value

data.frame of packages with commit IDs

Note

Package information is obtained from <https://neuroconductor.org/neurocPackages>

Examples

```
neuro_package_table()
```

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