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)
neuro_install

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  Neuroconductor Installer

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.
neuro_packages

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_repos = "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")

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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()
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