

Acquire and visualise package dependencies with deepdep: : CHEAT SHEET

Intro

Package **deepdep** is a tool for exploration of package dependencies. It helps to acquire and visualise deeper dependencies of a given package. It also adds some popularity measures for the packages e.g. in the form of download count.

Data

API

get_dependencies(*package*, *downloads* = TRUE, *bioc* = FALSE, *local* = FALSE, *deps_types* = c("Depends", "Imports"))

get_description(*package*, *bioc* = FALSE, *local* = FALSE, *reset_cache* = FALSE)

get_downloads(*package*)

get_available_packages(*bioc* = FALSE, *local* = FALSE, *reset_cache* = FALSE)

argument	description
package	Name of the package that is on CRAN, Bioconductor repository or locally installed
downloads	If TRUE add package downloads data
bioc	If TRUE the Bioconductor dependencies data will be taken from the Bioconductor repository
local	If TRUE only data of locally installed packages will be used
deps_types	Types of the dependencies that should be sought. Possibilities are: "Imports", "Depends", "Suggests", "Enhances", "LinkingTo"
reset_cache	If TRUE the cache will be cleared before obtaining the list of packages

Main function

deepdep (*package*, *depth* = 1, *downloads* = FALSE, *bioc* = FALSE, *local* = FALSE, *deps_types* = c("Depends", "Imports"))

argument	description
depth	Maximum depth level of the dependency

EXAMPLES

```
deepdep("ggplot2", downloads = TRUE)

deepdep("ggplot2", depth = 2)

deepdep("deepdep", local = TRUE)
```

Plots

plot_dependencies(*x*, *type* = "circular", *same_level* = FALSE, *label_percentage* = 1, ...)

argument	description
x	A deepdep object or a character package name.
type	Plot type. Possible values are <i>circular</i> and <i>tree</i> .
same_level	If TRUE links between dependencies on the same level will be added.
label_percentage	A fraction of labels to be displayed between 0 and 1.
...	Other arguments to be passed to <i>deepdep</i> function

EXAMPLES

```
plot_dependencies("ggplot2", type = "circular")

plot_dependencies("ggplot2", type = "tree")
```