

# Searching CRAN with packagefinder: : CHEAT SHEET



## CONSOLE

**findPackage**(keywords, mode = "or", case.sensitive = FALSE, always.sensitive = NULL, weights = c(2,2,1,2), display = "viewer", results.longdesc = FALSE, limit.results = 15, silent = FALSE, index = NULL, advanced.ranking = TRUE, return.df = FALSE, clipboard = FALSE)

### Most important arguments

- keywords** Word or vector of words to search for
- mode** Find packages with every keyword ("and") or with any of the keywords ("or")? Will be overruled if keywords contain logical operators like keywords = "X and Y"
- case.sensitive** Case-sensitive search?
- always.sensitive** Vector of words that will always be treated as case-sensitive, e.g. abbreviations
- limit.results** How many results to display in console or viewer?

**Outputs** **display**

**display = "console"**

| Score | Name    | Short Description  | GO    |
|-------|---------|--|-------|
| 100   | xml2    | Parse XML  | 16203 |
| 93    | XML     | Tools for Parsing and Generating XML within R and S-Plus         | 16356 |
| 92.9  | XML     | Tools for Parsing and Generating XML within R and S-Plus         | 16202 |
| 77.6  | xmlr    | Read, Write and Work with XML Data                               | 16207 |
| 66    | XML2R   | Easier XML data collection                                       | 16204 |
| 65.7  | xmlrpc2 | Implementation of the Remote Procedure Call Protocol ("XML-RPC") | 16208 |
| 34.8  | Flatten | Tools for working with XML Files as R Dataframes                 | 4839  |

**display = "viewer"**

| Score | Name    | Short Description  | GO    |
|-------|---------|--|-------|
| 100   | xml2    | Parse XML  | 16203 |
| 93    | XML     | Tools for Parsing and Generating XML within R and S-Plus         | 16356 |
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**display = "browser"**

**return.df = TRUE** Return results as dataframe

**clipboard = TRUE** Copy results to clipboard

- Examples**
- > findPackage("parameters", mode = "and", always.sensitive = "SEM")
  - > findPackage("meta and regression")
  - > my.results <- findPackage(c("meta", "regression"), "and", return.df = TRUE)
  - > findPackage("xml", display = "browser")

## RSTUDIO ADD-IN

Automatically installed with the package.

Provides a graphical interface to the findPackage() and whatsNew() functions

Modify options, preserved for R session

Install selected packages

Options as in findPackage()

Mark and review later

Click for PDF manual, CRAN page, GitHub repo

Already installed? If not, install

Open details

## ADDITIONAL FUNCTIONS

- whatsNew(last.days = 0)** Show new packages on CRAN
- packageDetails(package)** Show details of a CRAN package in the console
- lastResults(package = "viewer")** Show results of last search again
- fp(...)** Short hand for findPackage(...)
- go(package, where.to = "details")** Install CRAN package, show PDF manual, details or package website