Package 'annotater'

June 15, 2022

Title Annotate Package Load Calls

Version 0.2.1

Description Provides non-invasive annotation of package load calls
such as \code{library()}, \code{p_load()}, and \code{require()} so that we can have an idea of what
the packages we are loading are meant for.

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Encoding UTF-8

RoxygenNote 7.2.0

Imports stringr, purrr, tibble, dplyr, stringi, readr, rstudioapi,
tidyr, rlang

URL https://github.com/luisDVA/annotater, https://annotater.liomys.mx

BugReports https://github.com/luisDVA/annotater/issues

Suggests testthat, knitr, rmarkdown, covr

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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  align_annotations   *Vertical alignment of package annotations*

Description

Internal helper function, based on 'unheadr::regex_valign'

Usage

```
align_annotations(
  annot_string,

    regex_ai = "(?!\\))(?!\\s)(?=\\#\\sCR|\\#\\sBio|\\#\\snot i|\\#\\s\\[)",
  sep_str = ""
)
```

Arguments

annot_string	Character vector with annotated package calls.
regex_ai	Custom regular expression to match lines with package annotations.
sep_str	Whitespace separator.

Value

A character vector with vertically aligned package calls.

---

  annotate_active_file   *Annotate Active File*

Description

Annotates package load calls in the active .R file

Usage

```
annotate_active_file()
```

Value

No return value, wraps [annotate_pkg_calls()] for access via Addin

---

annotate_fun_calls *Annotate Function Calls*

Description

Annotate Function Calls

Usage

```
annotate_fun_calls(string_og)
```

Arguments

string_og   text string (script) with package load calls

Value

text string with function call annotations. Will make note of packages not currently installed. Lines with existing comments or annotations are ignored by the regular expression that matches package names.

Examples

```
test_string <- c("library(boot)\nrequire(lattice)\ncanonical.theme()")
cat(annotate_fun_calls(test_string))
```

---

annotate_fun_calls_active_file
Annotate Function Calls in Active File

Description

Annotates package load calls with the used functions of each package in the active .R file

Usage

```
annotate_fun_calls_active_file()
```

Value

No return value, wraps [annotate_fun_calls()] for access via Addin

---

annotate_pkg_calls   *Annotate Package Calls*

Description

Annotate Package Calls

Usage

```
annotate_pkg_calls(string_og, pkg_field = "Title")
```

Arguments

string_og	Text string (script) with package load calls.
pkg_field	Field from package description to retrieve, defaults to "Title"

Value

Text string with package Title annotations. Will make note of packages not currently installed. #'

Examples

```
test_string <- c("library(boot)\nrequire(tools)")
annotate_pkg_calls(test_string)
```

---

annotate_repostitle   *Annotate Package Titles and Repository Sources*

Description

Annotate Package Titles and Repository Sources

Usage

```
annotate_repostitle(string_og)
```

Arguments

string_og	Text string (script) with package load calls.

Details

Some annotations may be long, check for possible line breaks introduced into your script.

Value

Text string with package titles and package repository source annotations. Will make note of packages not currently installed. Lines with existing comments or annotations are ignored by the regular expression that matches package names. Also ignores base packages.

Examples

```
test_string <- c("library(boot)\nrequire(lattice)")
annotate_repostitle(test_string)
```

---

annotate_repostitle_active

Annotate Titles and Repositories in Active File

Description

Annotates package load calls with package titles and repository details in the active .R file

Usage

```
annotate_repostitle_active()
```

Value

No return value, wraps [annotate_repostitle()] for access via Addin

---

annotate_repos_active_file

Annotate Repositories in Active File

Description

Annotates package load calls with repository details in the active .R file

Usage

```
annotate_repos_active_file()
```

Value

No return value, wraps [annotate_repo_source()] for access via Addin

---

annotate_repo_source   *Annotate Repository Sources*

Description

Annotate Repository Sources

Usage

```
annotate_repo_source(string_og)
```

Arguments

string_og   text string (script) with package load calls

Value

text string with package repository source annotations. Will make note of packages not currently installed. Lines with existing comments or annotations are ignored by the regular expression that matches package names. Also ignores base packages.

Examples

```
test_string <- c("library(boot)\nrequire(lattice)")
annotate_repo_source(test_string)
```

---

annotate_script   *Annotate Script*

Description

Annotate Script

Usage

```
annotate_script(script_file, pkg_field = "Title")
```

Arguments

script_file   Path to an R script.

pkg_field   Field from package description to retrieve, defaults to "Title".

Value

Prints the annotated script to the console.

---

match_pkg_names   *Match Package Names*

Description

Match Package Names

Usage

```
match_pkg_names(string_og)
```

Arguments

string_og   Text string (script) with package load calls.

Value

A tibble with the package load calls and package names.

Examples

```
test_string <- c("library(boot)\nrequire(Matrix)")
match_pkg_names(test_string)
```

---

pkg_version   *Retrieve Package Version*

Description

Internal helper function.

Usage

```
pkg_version(pkgs_col)
```

Arguments

pkgs_col   Package name.

Value

A character vector with the package version.

repo_details *Retrieve Repo Details*

Description

Internal helper function.

Usage

```
repo_details(pkgs_col)
```

Arguments

pkgs_col   Name of variable with the non-CRAN repos.

Value

A character vector of user names and repository names.

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