

Package ‘softbib’

May 12, 2023

Type Package

Title Software Bibliographies for R Projects

Version 0.0.2

Maintainer Vincent Arel-Bundock <vincent.arel-bundock@umontreal.ca>

Description Detect libraries used in a project and automatically create software bibliographies in 'PDF', 'Word', 'Rmarkdown', and 'BibTeX' formats.

URL <https://github.com/vincentarelbundock/softbib>

BugReports <https://github.com/vincentarelbundock/softbib/issues>

Depends R (>= 3.5.0)

Imports checkmate, renv, rmarkdown, bibtex

License GPL (>= 3)

Encoding UTF-8

RoxygenNote 7.2.3

NeedsCompilation no

Author Vincent Arel-Bundock [aut, cre, cph]
(<<https://orcid.org/0000-0003-2042-7063>>)

Repository CRAN

Date/Publication 2023-05-12 19:00:02 UTC

R topics documented:

softbib 2

Index 4

`softbib`*Software Bibliographies*

Description

This function detects all the R packages used in a project folder and automatically creates software bibliographies in PDF, Word, Rmarkdown and BibTeX formats.

Usage

```
softbib(  
  output = c("softbib.pdf", "softbib.docx", "softbib.bib", "softbib.Rmd"),  
  output_dir = getwd(),  
  include = NULL,  
  exclude = NULL,  
  style = NULL  
)
```

Arguments

<code>output</code>	vector of file paths or NULL. Acceptable file name extensions: .bib, .Rmd, .docx, .pdf. NULL returns a vector of BibTeX cite keys.
<code>output_dir</code>	path of the directory where files should be saved.
<code>include</code>	NULL or character vector. <ul style="list-style-type: none">• NULL: the working directory is crawled to identify R packages used in the project, and all packages are included in the software bibliography.• Character vector: the names of packages to include in the bibliography.
<code>exclude</code>	character vector of package names to exclude from the bibliography.
<code>style</code>	Path to a Citation Style Language file (with .cs1 extension) ' Zotero Repository: https://www.zotero.org/styles

Value

Writes bibliography to file and returns a character vector of citation keys.

Examples

```
if (interactive()) {  
  
  # Save current path  
  oldpath <- getwd()  
  
  # Navigate to a project folder, crawl the working directory to get a list of `R`  
  # packages, and create bibliographies  
  library(softbib)  
  setwd("~/path/to/my/R/project/")  
}
```

```
softbib()

# Exclude some packages from the bibliography
softbib(exclude = c("base", "dplyr"))

# Specify the list of packages to include manually
softbib(include = c("countrycode", "modelsummary", "marginaleffects"))

# Download a Citation Style Language file from the Zotero archive and print a
# bibliography in the style of the American Political Science Review
download.file(
  "https://www.zotero.org/styles/american-political-science-review",
  destfile = "apsr.csl")
softbib(style = "apsr.csl")

# Return to old path
setwd(oldpath)
} # end if(interactive()){}
```

Index

softbib, [2](#)