

Package ‘rebib’

May 9, 2026

Type Package

Title Convert and Aggregate Bibliographies

Version 0.5.0

Description Authors working with 'LaTeX' articles use the built-in bibliography options and 'BibTeX' files. While this might work with 'LaTeX', it does not function well with Web articles. As a way out, 'rebib' offers tools to convert and combine bibliographies from both sources.

License MIT + file LICENSE

URL <https://github.com/Abhi-1U/rebib>

BugReports <https://github.com/Abhi-1U/rebib/issues>

Encoding UTF-8

Imports tools, stringr, logger, xfun, cli, whisker

Suggests knitr, rmarkdown, spelling, testthat (>= 3.0.0)

VignetteBuilder knitr

Config/testthat/edition 3

RoxygenNote 7.3.2

Language en-US

NeedsCompilation no

Author Abhishek Ulayil [aut, cre, cph] (ORCID:

<https://orcid.org/0009-0000-6935-8690>),

Heather Turner [ctb] (ORCID: <https://orcid.org/0000-0002-1256-3375>),

Christophe Dervieux [ctb] (ORCID:

<https://orcid.org/0000-0003-4474-2498>),

Mitchell O'Hara-Wild [ctb] (ORCID:

<https://orcid.org/0000-0001-6729-7695>),

Dianne Cook [ctb] (ORCID: <https://orcid.org/0000-0002-3813-7155>),

Yinxiang Huang [ctb] (ORCID: <https://orcid.org/0009-0007-2031-7901>)>

Maintainer Abhishek Ulayil <perricoq@outlook.com>

Repository CRAN

Date/Publication 2024-10-15 09:00:02 UTC

Contents

aggregate_bibliography	2
bibliography_exists	3
biblio_converter	3
citation_reader	4
get_reference_name	4
get_reference_type	5
handle_bibliography	6
log_setup	6
rebib_log	7
split_bibtex_references	8
Index	9

aggregate_bibliography
aggregate bibliography

Description

aggregate bibliography to fill in the missing references

Usage

```
aggregate_bibliography(article_dir, log_rebib = FALSE)
```

Arguments

article_dir path to the directory which contains tex article
log_rebib option to enable log files for rebib

Value

aggregated bib file

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <- system.file("aggr_example", package = "rebib")
x <- file.copy(from = example_files, to=your_article_folder, recursive = TRUE)
your_article_path <- paste(your_article_folder, "aggr_example", sep="/")
rebib::aggregate_bibliography(your_article_path)
readLines(paste(your_article_path, "example.bib", sep="/"))
unlink(your_article_folder, recursive = TRUE)
```

`bibliography_exists` *bibliography exists*

Description

check if embedded bibliography exists in the latex file or not

Usage

```
bibliography_exists(article_dir)
```

Arguments

`article_dir` path to the directory which contains tex article

Value

TRUE/FALSE

Examples

```
wd <- system.file("article", package = "rebib")
# Only reads the article file
rebib::bibliography_exists(wd)
```

`biblio_converter` *bibliography converter*

Description

a quick converter for bbl/tex to bib

Usage

```
biblio_converter(file_path = "", log_rebib = FALSE)
```

Arguments

`file_path` provide a `file_path` with file name to point tex/bbl file
`log_rebib` option to enable log files for rebib

Value

bib file

Examples

```

test_file <- system.file("standalone/test.bbl", package = "rebib")
dir.create(your_article_folder <- file.path(tempdir(), "testdir"))
file.copy(test_file, your_article_folder)
your_article_path <- xfun::normalize_path(paste(your_article_folder, "test.bbl", sep="/"))
rebib::biblio_converter(file_path = your_article_path)
head(readLines(xfun::with_ext(your_article_path, "bib")))
unlink(your_article_folder, recursive = TRUE)

```

<code>citation_reader</code>	<i>citation reader</i>
------------------------------	------------------------

Description

counts/reads Cite inline elements embedded within the latex file

Usage

```
citation_reader(file_path)
```

Arguments

`file_path` path to the LaTeX file

Value

count of the inline element

Examples

```

file_path <- system.file("article/example.tex",
                        package = "rebib")
# Only Reads the example.tex for possible citations
cite <- rebib::citation_reader(file_path)
cite

```

<code>get_reference_name</code>	<i>get reference name</i>
---------------------------------	---------------------------

Description

get reference name

Usage

```
get_reference_name(bib_reference)
```

Arguments

bib_reference first line containing the cite reference

Value

reference name (str)

Examples

```
ref_first_line <- "@book{ihaka:1996,"  
ref_name <- rebib::get_reference_name(ref_first_line)  
ref_name
```

get_reference_type *get reference type*

Description

get reference type

Usage

```
get_reference_type(bib_reference)
```

Arguments

bib_reference first line containing the cite reference

Value

reference type (str)

Examples

```
ref_first_line <- "@book{ihaka:1996,"  
ref_type <- rebib::get_reference_type(ref_first_line)  
ref_type
```

handle_bibliography *function to solve bibliography problems*

Description

if bibliography exists in bibtex format then (filename.bib) bibtex file will be preferred. else this function will generate a minimal bibliography

Usage

```
handle_bibliography(article_dir, override_mode = FALSE, log_rebib = FALSE)
```

Arguments

article_dir path to the directory which contains tex article
 override_mode force use parser and ignore BibTeX bibliography.
 log_rebib option to enable log files for rebib

Value

bibliography links the bibtex file with latex source code or generates a minimal bibtex file from embedded bibliography and links that file to the latex file

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <- system.file("article", package = "rebib")
x <- file.copy(from = example_files, to=your_article_folder, recursive = TRUE)
your_article_path <- paste(your_article_folder, "article", sep="/")
rebib::handle_bibliography(your_article_path)
unlink(your_article_folder, recursive = TRUE)
```

log_setup *rebib log setup*

Description

a wrapper function for logger package to set up log file for logging

Usage

```
log_setup(article_dir, file_name, idx)
```

Arguments

article_dir	path to the directory which contains tex article
file_name	name of the log file
idx	index of log level

Value

null

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <- system.file("article", package = "rebib")
x <- file.copy(from = example_files,to=your_article_folder,recursive = TRUE)
your_article_path <- paste(your_article_folder,"article",sep="/")
rebib::log_setup(your_article_path, "log-file.log", 2)
unlink(your_article_folder,recursive = TRUE)
```

rebib_log	<i>log messages for various categories</i>
-----------	--

Description

a wrapper function for logging different types of log entries

Usage

```
rebib_log(message, category, idx)
```

Arguments

message	message to be sent
category	category of the log message
idx	index of log level

Value

null

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <- system.file("article", package = "rebib")
x <- file.copy(from = example_files,to=your_article_folder,recursive = TRUE)
your_article_path <- paste(your_article_folder,"article",sep="/")
rebib::log_setup(your_article_path, "log-file.log", 2)
rebib::rebib_log("Hello", "INFO", 2)
cat(readLines(paste(your_article_path,"/log-file.log",sep="")),sep="\n")
unlink(your_article_folder,recursive = TRUE)
```

split_bibtex_references
split BibTeX references

Description

split BibTeX references

Usage

```
split_bibtex_references(bib_path)
```

Arguments

bib_path path to the bibtex file to be read

Value

list of references separated as types and names based on indices

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "example_dir"))
example_files <- system.file("article", package = "rebib")
x <- file.copy(from = example_files, to=your_article_folder, recursive = TRUE)
your_article_path <- paste(your_article_folder, "article", sep="/")
bib_path <- paste0(your_article_path, "/example.bib")
rebib::handle_bibliography(your_article_path)
references <- rebib::split_bibtex_references(bib_path)
references
unlink(your_article_folder, recursive = TRUE)
```

Index

`aggregate_bibliography`, 2

`biblio_converter`, 3

`bibliography_exists`, 3

`citation_reader`, 4

`get_reference_name`, 4

`get_reference_type`, 5

`handle_bibliography`, 6

`log_setup`, 6

`rebib_log`, 7

`split_bibtex_references`, 8