

Package: rbibtools (via r-universe)

August 27, 2024

Type Package

Title Toolbox to Handle bib Files

Version 0.0.1

Description Imports, cleans, and exports BibTeX references exported by references management softwares (e.g. Mendeley, Zotero).

URL <https://github.com/FRBCesab/rbibtools>

BugReports <https://github.com/FRBCesab/rbibtools/issues>

License GPL (>= 2)

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.1

Imports bib2df, stringi

Suggests knitr, rmarkdown, writexl

VignetteBuilder knitr

Repository <https://frbcesab.r-universe.dev>

RemoteUrl <https://github.com/FRBCesab/rbibtools>

RemoteRef HEAD

RemoteSha 9420ec542da3ddb78c910108fea6403f499df2b7

Contents

read_bib	2
replace_tex_tags	4
write_bib	4

Index	6
--------------	----------

read_bib

Import bib files and clean BibTeX references

Description

Imports .bib files and cleans BibTeX references using the function `bib2df::bib2df()`.

Usage

```
read_bib(
  path = ".",
  tags = c("bibtexkey", "category", "author", "title", "year", "volume", "booktitle",
    "editor", "journal", "pages", "institution", "publisher", "doi", "url", "abstract",
    "keywords", "annote"),
  categories = NULL,
  pattern = NULL
)
```

Arguments

path	a character of length 1. The name of the folder containing .bib files to read. All .bib files found in this folder will be imported.
tags	a vector of characters. BibTeX fields to extract (e.g. "author", "year", "title", etc.). See Details section.
categories	(optional) a vector of characters. Publications categories to import (e.g. "article", "book", etc.). See Details section. Default is NULL (all publications will be retrieved).
pattern	(optional) a vector of characters. This argument is used to select .bib files. For instance, if all .bib files start with CESAB- (i.e. CESAB-***.bib), user can add <code>pattern = 'CESAB-'</code> to only read these .bib files.

Details

Valid tags values:

- category: type of publication
- bibtexkey: unique identifier of the publication
- annote: user annotations
- author: authors names
- booktitle: title of the book
- chapter: chapter number (for book chapter)
- crossref: Crossref identifier
- edition: edition number
- editor: editors names

- institution: institution name (for thesis and report)
- journal: journal name (for scientific article)
- month: month of the date of publication
- number: issue number
- pages: pages range or pages number or article number
- publisher: publisher name (i.e. Elsevier, etc.)
- series: series name
- title: title of the publication
- volume: volume number
- year: year of the date of publication
- doi: DOI (without <https://doi.org/>)
- abstract: abstract of the publications
- keywords: authors keywords
- url: URL of the only publication
- isbn: ISSN identifier of the book/journal
- pmid: PMID identifier

Valid categories values:

- article: scientific paper
- book: book
- incollection: book chapter
- inproceedings: proceeding article
- phdthesis: PhD thesis
- techreport: technical report

Value

A data.frame with references fields in columns and references in rows.

Examples

```
path_to_bibs <- system.file("extdata", package = "rbibtools")
refs <- read_bib(path = path_to_bibs)
```

replace_tex_tags	<i>Translate LaTeX escaped characters in UTF-8</i>
------------------	--

Description

Converts common LaTeX/BiBTeX escaped characters into UTF-8 encoding. For instance, `{'e}` will be translated in `é`.

Usage

```
replace_tex_tags(x)
```

Arguments

x	a vector of characters in which common LaTeX/BiBTeX escaped characters must be converted.
---	---

Value

A vector of characters.

Examples

```
replace_tex_tags("H{\'}t{'}rog{\'}n{\'}it{\'}")
replace_tex_tags(c("Mon c{\oe}ur", "El Ni{\~{n}}o"))
```

write_bib	<i>Create a bib file from a data.frame</i>
-----------	--

Description

Create a bib file from a data.frame

Usage

```
write_bib(data, file = "", append = FALSE)
```

Arguments

data	a data.frame with references fields in columns and references in rows.
file	a character of length 1. The name of .bib file to create.
append	a logical. If TRUE the data.frame will be appended to an existing file. Default is FALSE.

Value

No returned value.

Examples

```
## Import .bib file(s) ----  
path_to_bibs <- system.file("extdata", package = "rbibtools")  
refs <- rbibtools::read_bib(path = path_to_bibs)  
  
## Export data.frame to .bib files ----  
filename <- tempfile()  
rbibtools::write_bib(refs, filename)
```

Index

`bib2df::bib2df()`, 2

`read_bib`, 2

`replace_tex_tags`, 4

`write_bib`, 4