Package 'bib2df'

May 17, 2024

Type Package

Title Parse a BibTeX File to a Data Frame

Version 1.1.2.0

Description

Parse a BibTeX file to a data.frame to make it accessible for further analysis and visualization.

URL https://docs.ropensci.org/bib2df/,

https://github.com/ropensci/bib2df/

BugReports https://github.com/ropensci/bib2df/issues/

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Imports dplyr, stringr, humaniformat, httr

Suggests testthat, knitr, rmarkdown, ggplot2, tidyr

RoxygenNote 7.3.1

VignetteBuilder knitr

Encoding UTF-8

NeedsCompilation no

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R topics documented:

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bib2df   *Parse a BibTeX file to a* `tibble`

Description

The BibTeX file is read, parsed, tidied and written to a `tibble`

Usage

```
bib2df(file, separate_names = FALSE, merge_lines = FALSE)
```

Arguments

`file`	character, path or URL to a .bib file.
`separate_names`	logical, should authors' and editors' names be separated into first and given name?
`merge_lines`	logical, set to `FALSE` by default. If set to `TRUE` identifies entries that span several lines and merges them

Details

For simplicity `bib2df()` unifies the reading, parsing and tidying of a BibTeX file while being aware of a standardized output format, different BibTeX styles and missing values in the BibTeX file.

When `separate_names = TRUE`, the respective columns contain a `data.frame` for each row. When `FALSE`, the respective columns contain character strings.

Value

A `tibble`.

Author(s)

Philipp Ottolinger

See Also

[df2bib](#)

Examples

```
# Read from .bib file:
path <- system.file("extdata", "bib2df_testfile_3.bib", package = "bib2df")
bib <- bib2df(path)
str(bib)

# Read from .bib file and separate authors' and editors' names:
bib <- bib2df(path, separate_names = TRUE)
str(bib)
```

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df2bib   *Export a BibTeX* `tibble` *to a .bib file*

Description

The BibTeX `tibble` is written to a .bib file

Usage

```
df2bib(x, file = "", append = FALSE, allfields = TRUE)
```

Arguments

x	tibble, in the format as returned by [bib2df](#).
file	character, file path to write the .bib file. An empty character string writes to `stdout` (default).
append	logical, if `TRUE` the `tibble` will be appended to an existing file.
allfields	logical, if `TRUE` (default), the resulting bib output will include all the BibTeX fields contained in the df object. If `FALSE` only the fields with text will be included in the resulting bib object

Value

`file` as a character string, invisibly.

Author(s)

Thomas J. Leeper

Gianluca Baio

References

<https://www.bibtex.org/Format/>

See Also

[bib2df](#)

Examples

```
# Read from .bib file:
path <- system.file("extdata", "bib2df_testfile_3.bib", package = "bib2df")
bib <- bib2df(path)

# Write to .bib file:
# bibFile <- tempfile()
# df2bib(bib, bibFile)
```

```
# Use `append = TRUE` to add lines to an existing .bib file:
# df2bib(bib, bibFile, append = TRUE)
```

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