

Package ‘bib2df’

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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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bib2df	<i>Parse a BibTeX file to a tibble</i>
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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)
```

`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

<code>x</code>	tibble, in the format as returned by <code>bib2df</code> .
<code>file</code>	character, file path to write the .bib file. An empty character string writes to stdout (default).
<code>append</code>	logical, if TRUE the tibble will be appended to an existing file.
<code>allfields</code>	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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