

Package: bib2df (via r-universe)

July 31, 2026

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/>

License GPL-3

LazyData TRUE

Imports dplyr, stringr, humaniformat, http

Suggests testthat, knitr, rmarkdown, ggplot2, tidyr

RoxygenNote 7.3.1

VignetteBuilder knitr

Encoding UTF-8

Config/pak/sysreqs libicu-dev libssl-dev

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

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RemoteUrl <https://github.com/ropensci/bib2df>

RemoteRef main

RemoteSha 4ff27d739a4b000ab71f6ef1e5a9c983d99ff9ed

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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

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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