Package: bib2df (via r-universe)

October 10, 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/

License GPL-3

LazyData TRUE

Imports dplyr, stringr, humaniformat, httr

Suggests testthat, knitr, rmarkdown, ggplot2, tidyr

RoxygenNote 7.3.1

VignetteBuilder knitr

Encoding UTF-8

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

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

RemoteRef main

RemoteSha b77eda967bfcbfa4e0b0721d909392e2ade2aa7c

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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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