Package: sqliteutils (via r-universe)

September 18, 2024

Title Utility Functions for 'SQLite'

Version 0.1.0

Description A tool for working with 'SQLite' databases. 'SQLite' has some idiosyncrasies and limitations that impose some hurdles to the R developer who is using this database as a repository. For instance, 'SQLite' doesn't have a date type and 'sqliteutils' has some functions to deal with that.

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Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

Encoding UTF-8

LazyData true

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.2

Imports RSQLite, DBI, dplyr, dbplyr, magrittr

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

RemoteUrl https://github.com/crotman/sqliteutils

RemoteRef HEAD

RemoteSha 97f2589927f627ab23abf70e5a53a590aa4cd2f9

Contents

slu_date_to_r *Converts dates stored on 'SQLite' to their original values*

Description

Converts dates stored on 'SQLite' to their original values

Usage

```
slu_date_to_r(date_sqlite)
```

Arguments

date_sqlite	the numbers that result from inserting dates on 'SQLite'

Value

the dates that were originally inserted

Examples

```
data <- data.frame(date = as.Date("2021-09-18"))
con <- DBI::dbConnect(RSQLite::SQLite(), ":memory:")
DBI::dbWriteTable(conn = con, name = "dates", value = data )
data_from_bd <- DBI::dbReadTable(conn = con, name = "dates")
original_date <- slu_date_to_r(data_from_bd$date)
DBI::dbDisconnect(con)
```

slu_date_to_sqlite *Converts dates to the numeric values as which they would be stored on SQLite*

Description

Converts dates to the numeric values as which they would be stored on SQLite

Usage

```
slu_date_to_sqlite(date_r)
```

Arguments

date_r	dates as returned by as.Date() in R

Value

integers that correspond to the numbers that are stored on SQLite when `DBI:dbWriteTable` is used

Examples

```
con <- DBI::dbConnect(RSQLite::SQLite(), ":memory:")
data <- data.frame(
    date = as.Date("2021-09-19")
)
DBI::dbWriteTable(conn = con, name = "dates", value = data )
data_from_bd <- dplyr::tbl(src = con, "dates") %>%  dplyr::collect()
data_with_sqlite_dates <- data %>%
dplyr::mutate(
    date = slu_date_to_sqlite(date)
)
print(data_from_bd)
print(data_with_sqlite_dates)
DBI::dbDisconnect(con)
```

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