Package ‘sqliteutils’

October 14, 2022

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

RoxygenNote 7.1.2

Imports RSQLite, DBI, dplyr, dbplyr, magrittr

NeedsCompilation no

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**slu_date_to_r**  
*Converts dates stored on ‘SQLite’ to their original values*

**Description**

Converts dates stored on ‘SQLite’ to their original values.

**Usage**

```r
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**

```r
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)
```

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**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**

```r
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**

```r
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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