Package ‘sqliteutils’

September 21, 2021

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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R topics documented:

  slu_date_to_r .............................................................. 2
  slu_date_to_sqlite ....................................................... 2

Index 4
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
slu_date_to_sqlite

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)
Index

slu_date_to_r, 2
slu_date_to_sqlite, 2