Package 'mongoTable'

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Title mongoTable

Version 1.0.0

Description Contains the function mongoTable() to create one and two dimensional frequency tables on a mongoDB connection initiated with the mongolite package.

Depends R (>= 4.1.0)

Imports mongolite

License GPL-3

Encoding UTF-8

URL https://github.com/ingmarboeschen/mongoTable

RoxygenNote 7.3.2

R topics documented:

`mongoTable` *mongoTable*

Description

Function to create one and two dimensional frequency tables from a MongoDB connection.

Usage

```
mongoTable(
  connection,
  x,
  y = NULL,
  query = "{}",
  lowerize = FALSE,
```

```
  limit = NULL,
  sort = FALSE,
  decreasing = TRUE
)
```

Arguments

connection	character. A mongo connection object initiated with mongolite::mongo().
x	character. A field variable for which frequencies should be counted.
y	character. An optional second field variable for which frequencies should be counted.
query	character. An optional MongoDB query for data subset selection (e.g.: '{\"year\": 2024}').
lowerize	logical. All levels in one dimensional tables will be lowerized.
limit	integer. Defines the maximum length/dimensions of output.
sort	logical. If TRUE, the output is sorted by frequency.
decreasing	logical. If TRUE and sort==TRUE, the output is returned with decreasing frequencies. If TRUE and sort==FALSE, level names are returned in decreasing manner.

Value

A one or two dimensional frequency table.

Examples

```
# use mongolite::mongo() to connect to a MongoDB instance (demo server)
mon <- mongolite::mongo("mtcars", url =
"mongodb+srv://readwrite:test@cluster0-84vdt.mongodb.net/test")
if(mon$count() > 0) mon$drop()
mon$insert(mtcars)
stopifnot(mon$count() == nrow(mtcars))

##########################################
## Create a one dimensional frequency table
# for all x
mongoTable(connection = "mon", x = "cyl")

# create a one dimensional frequency table for all x matching a query
mongoTable(connection="mon", x="cyl", query = '{\"mpg\": {\"$gt": 20}}')

##########################################
## Create a two dimensional frequency table

# for all x and y
mongoTable(con = "mon", x = "cyl", y = "gear")

# for all x and y matching a query
mongoTable(con="mon", x = "cyl", y = "gear", query = '{\"mpg\": {\"$gt": 20}}')
```

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