

Package ‘mongopipe’

May 9, 2026

Title Write MongoDB Queries with R

Version 0.1.2

Description Translate R code into MongoDB aggregation pipelines.

URL <https://rpkgs.gitlab.io/mongopipe>,
<https://gitlab.com/rpkgs/mongopipe>

BugReports <https://gitlab.com/rpkgs/mongopipe/-/issues>

License MIT + file LICENSE

Suggests testthat (>= 3.0.0), mongolite (>= 2.2.0), nycflights13

Config/testthat/edition 3

Encoding UTF-8

RoxygenNote 7.3.2

Imports magrittr, jsonlite, rlang

NeedsCompilation no

Author Oliver Haag [aut, cre]

Maintainer Oliver Haag <oliver_haag@e.mail.de>

Repository CRAN

Date/Publication 2025-04-06 17:30:02 UTC

Contents

add_stage	2
condition	2
match	3
mongopipe	4

Index	5
--------------	----------

add_stage	<i>Create or append a mongo aggregation stage</i>
-----------	---

Description

Create or append a mongo aggregation stage

Usage

```
add_stage(x, ...)
```

Default S3 method:
add_stage(x, ...)

S3 method for class 'mongopipe'
add_stage(x, type, ...)

Arguments

x	Object of class mongo or mongo_pipe
...	query
type	Name of the stage.

Value

Object of type mongopipe.

condition	<i>Conditional expression (\$cond)</i>
-----------	--

Description

Evaluates a boolean expression to return one of the two specified return expressions.

Usage

```
condition(test, yes, no)
```

Arguments

test	Expression which returns a boolean value.
yes	Return this if the test returns true.
no	Return this if the test returns false.

Value

Return a list for using in mongopipe.

Examples

```
## Not run:
cond <- condition(test = list("$isArray"="$chart"),
                 yes = list("$size"="$chart"),
                 no = 0)
jsonlite::toJSON(cond)

## End(Not run)
```

 match

Pipeline Stages

Description

These functions translate R code to json readable by MongoDB.

Usage

```
match(x, ...)

## S3 method for class 'mongopipe'
match(x, ...)

field(x, ...)

## S3 method for class 'mongopipe'
field(x, ...)

lookup(x, ...)

## S3 method for class 'mongopipe'
lookup(x, from, local_field = from, foreign_field = "_id", as = from, ...)

unwind(x, ...)

## S3 method for class 'mongopipe'
unwind(x, field, ...)

limit(x, ...)

## S3 method for class 'mongopipe'
limit(x, limit, ...)
```

```
project(x, ...)

## S3 method for class 'mongopipe'
project(x, ...)
```

Arguments

<code>x</code>	Object of class <code>mongopipe</code>
<code>...</code>	list object
<code>from</code>	Collection to join
<code>local_field</code>	Field from the input documents
<code>foreign_field</code>	Field from the documents of the "from" collection
<code>as</code>	Name of output array field (Default: <code>from</code>)
<code>field</code>	Field to unwind.
<code>limit</code>	Integer to limit the number of documents.

Value

Object of type `mongopipe`.

`mongopipe`

Mongopipe

Description

Mongopipe

Usage

```
mongopipe()
```

Value

Object of type `mongopipe`.

Index

`add_stage`, 2

`condition`, 2

`field (match)`, 3

`limit (match)`, 3

`lookup (match)`, 3

`match`, 3

`mongopipe`, 4

`project (match)`, 3

`unwind (match)`, 3