

Package ‘prqlr’

March 16, 2023

Title R Bindings for the 'prql-compiler' Rust Library

Description Provides a function to convert 'PRQL' strings to 'SQL' strings.
Combined with other R functions that take 'SQL' as an argument,
'PRQL' can be used on R.

Version 0.3.0

URL <https://eitsupi.github.io/prqlr/>, <https://github.com/eitsupi/prqlr>

BugReports <https://github.com/eitsupi/prqlr/issues>

Depends R (>= 4.2)

Suggests knitr (>= 1.38), rmarkdown, DBI, glue, RSQLite, tidyquery,
nycflights13, dplyr, testthat (>= 3.0.0), patrick, withr

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Language en-US

Encoding UTF-8

RoxygenNote 7.2.3

SystemRequirements Cargo (rustc package manager)

VignetteBuilder knitr

Config/testthat/edition 3

Config/rextendr/version 0.2.0.9000

Config/Needs/dev devtools, rextendr, data.table, dplyr, lintr, styler,
purrr, RcppTOML

Config/Needs/website pkgdown, rextendr

NeedsCompilation yes

Author Tatsuya Shima [aut, cre]

Maintainer Tatsuya Shima <ts1s1andn@gmail.com>

Repository CRAN

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|--------------|--|
| prql_compile | <i>Compile a PRQL query into a SQL query</i> |
|--------------|--|

Description

Compile a PRQL query into a SQL query

Usage

```
prql_compile(
  prql_query,
  target = getOption("prqlr.target", default = NULL),
  format = getOption("prqlr.format", default = TRUE),
  signature_comment = getOption("prqlr.signature_comment", default = TRUE)
)
```

Arguments

| | |
|-------------------|---|
| prql_query | a PRQL query string. |
| target | a compile target name to use. If not specified, the target contained in the query will be used. |
| format | a logical flag. Whether to format the SQL query. |
| signature_comment | a logical flag. Whether to add a signature comment to the output SQL query. |

Value

a SQL query string

See Also

[prql_get_targets](#)

Examples

```
"from mtcars | filter cyl > 6 | select [cyl, mpg]" |>
  prql_compile()

"from mtcars | filter cyl > 6 | select [cyl, mpg]" |>
  prql_compile(format = FALSE, signature_comment = FALSE)

"
from mtcars
filter cyl > 6
select ![cyl]
" |>
  prql_compile("sql.duckdb") |>
  cat()

# If the `target` argument is `NULL` (default) or `NA` or `"sql.any"`,
# the target specified in the header of the query will be used.
"
prql target:sql.duckdb

from mtcars
filter cyl > 6
select ![cyl]
" |>
  prql_compile() |>
  cat()
```

| | |
|------------------|-----------------------------------|
| prql_get_targets | <i>Get available target names</i> |
|------------------|-----------------------------------|

Description

Get available target names for the `target` option of the `prql_compile()` function.

Usage

```
prql_get_targets()
```

Value

a character vector of target names.

Examples

```
prql_get_targets()
```

| | |
|--------------|--------------------------------|
| prql_version | <i>prql-compiler's version</i> |
|--------------|--------------------------------|

Description

prql-compiler's version

Usage

```
prql_version()
```

Value

a [numeric_version](#) with the version of the built-in prql-compiler.

Examples

```
prql_version()
```

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