

# Package ‘prqlr’

February 14, 2024

**Title** R Bindings for the 'prqlc' 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** 0.8.0

**URL** <https://prql.github.io/prqlc-r/>, <https://github.com/PRQL/prqlc-r>

**BugReports** <https://github.com/PRQL/prqlc-r/issues>

**Depends** R (>= 4.2)

**Suggests** knitr (>= 1.44), rmarkdown, DBI, glue, RSQLite, tidyquery,  
sqldf, nycflights13, dplyr, testthat (>= 3.2.0), patrick, withr

**License** MIT + file LICENSE

**Language** en-US

**Encoding** UTF-8

**RoxygenNote** 7.3.1

**SystemRequirements** Cargo (Rust's package manager), rustc

**VignetteBuilder** knitr

**Config/testthat/edition** 3

**Config/Needs/dev** brio, devtools, lintr, styler, purrr, RcppTOML,  
readr, tidyr

**Config/Needs/website** pkgdown

**Config/prqlr/LibVersion** 0.11.1

**NeedsCompilation** yes

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prql_compile	<i>Compile a PRQL query into a SQL query</i>
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### 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 (NULL), the target contained in the query will be used. All available target names can be listed with the <a href="#">prql_get_targets</a> function.
format	a logical flag (default: TRUE). Whether to format the SQL query.
signature_comment	a logical flag. (default: TRUE). 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 `"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()
```

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prql_get_targets	<i>Get available target names</i>
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## 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()
```

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<code>prql_version</code>	<i>prqlc's version</i>
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**Description**

prqlc's version

**Usage**

```
prql_version()
```

**Value**

a [numeric\\_version](#) with the version of the built-in prqlc.

**Examples**

```
prql_version()
```

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