

Package: prism2R (via r-universe)

August 12, 2026

Title Read Prism Tables Into R

Version 0.1.0

Description This package provides functions to read and parse GraphPad Prism files (.pzfx or .prism) into R data frames, enabling users to analyse and manipulate their data within the R environment. It currently consists of two functions - ``get_table_names`` and ``read_prism``, both of which take the file path to a prism file as input and output either the table names or the table contents themselves.

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

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Encoding UTF-8

LazyData true

Imports archive, jsonlite, readr, tibble, xml2

Suggests knitr, rmarkdown, testthat (>= 3.0.0)

Config/testthat/edition 3

VignetteBuilder knitr

Repository <https://r-multiverse-staging.r-universe.dev>

Date/Publication 2025-02-25 18:52:25 UTC

RemoteUrl <https://github.com/Biomaha/prism2R>

RemoteRef V0.1

RemoteSha a70fcff2cc3b3af8ed0e09c086c25f553269ab3b

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get_analysis_tables	<i>Get preferred analysis tables from a .prism file</i>
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Description

Get preferred analysis tables from a .prism file

Usage

```
get_analysis_tables(prism_file)
```

Arguments

prism_file	The path to the prism file
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Value

A named list of data.frames with model parameters

Examples

```
# prism_file is the file path to the .prism file. Analysis data tables in Prism can include multiple (quite often hidden)
# One of these is usually designated as the preferred tab and this is returned as a list object, commonly a data.frame
demo_file <- system.file("extdata", "demo_dataset.prism", package = "pRism")
get_analysis_tables(demo_file)
```

get_table_names	<i>Get the names of the prism data tables</i>
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Description

Get the names of the prism data tables

Usage

```
get_table_names(prism_file)
```

Arguments

prism_file	The path to the prism file
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Value

A vector of table names

Examples

```
# prism_file is the file path to the prism file. It needs to either be a .pzfx or a .prism file.
demo_file <- system.file("extdata", "demo_dataset.prism", package = "pRism")
get_table_names(demo_file)
```

read_prism

Read prism data tables into R

Description

Read prism data tables into R

Usage

```
read_prism(prism_file, sheet = NA)
```

Arguments

prism_file	a string - the path to the prism file
sheet	Which table to read in. sheet can either be a number (the index of the table), a character string from the get_table_names output or NA (default), in which case all tables in the file are read.

Value

A data.frame that tries to reproduce the data table output in prism or a named list of data.frames.

Examples

```
# prism_file is the file path to the prism file. It needs to either be a .pzfx or a .prism file.
demo_file <- system.file("extdata", "demo_dataset.prism", package = "pRism")
read_prism(demo_file, sheet = 1) # This will read only the first data table.
read_prism(demo_file, sheet = "XY: Entering replicate data") # This will read the selected data table.
read_prism(demo_file, sheet = NA) # This will read all data tables in the file.
```

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