

# Package ‘pzfx’

January 8, 2019

**Type** Package

**Title** Read and Write 'GraphPad Prism' Files

**Version** 0.2.0

**Description** Read and write 'GraphPad Prism' '.pzfx' files in R.

**URL** <https://github.com/Yue-Jiang/pzfx>

**BugReports** <https://github.com/Yue-Jiang/pzfx/issues>

**Imports** xml2 (>= 1.2.0)

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.1.0

**Suggests** testthat, knitr, rmarkdown

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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pzfx\_tables                      *List all tables in a 'GraphPad Prism' '.pzfx' file.*

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### Description

List all tables in a 'GraphPad Prism' '.pzfx' file.

### Usage

```
pzfx_tables(path)
```

### Arguments

path                      Path to the '.pzfx' file

### Value

a character string vector

### Examples

```
pzfx_file <- system.file("extdata/exponential_decay.pzfx", package = "pzfx", mustWork = TRUE)
pzfx_tables(pzfx_file)
```

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read\_pzfx                      *Read one table from a 'GraphPad Prism' '.pzfx' file*

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### Description

Read one table from a 'GraphPad Prism' '.pzfx' file

### Usage

```
read_pzfx(path, table = 1, strike_action = "exclude")
```

### Arguments

path                      Path to the '.pzfx' file.

table                      Table to read. Either a string (the name of a table), or an integer (the position of the table). If neither argument specifies the table, defaults to the first table.

strike\_action              One of c("exclude", "keep", "star") or c("e", "k", "s"). Should stricken values in the original .pzfx be excluded, kept or labeled with a trailing "\*". If a trailing "\*" is added, the column will be of type character.

**Value**

a data frame

**Examples**

```
pzfx_file <- system.file("extdata/exponential_decay.pzfx", package = "pzfx", mustWork = TRUE)
read_pzfx(pzfx_file, table = 1, strike_action="exclude")
```

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write_pzfx	<i>Write one table or multiple tables to a 'GraphPad Prism' '.pzfx' file</i>
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**Description**

Write one table or multiple tables to a 'GraphPad Prism' '.pzfx' file. A table can be a 'matrix', a 'data.frame', or a 'tibble'. All elements of the table should be numeric.

**Usage**

```
write_pzfx(x, path, row_names = TRUE, x_col = NA)
```

**Arguments**

x	Input table or named list of tables that will be 'Data Tables' in the '.pzfx' file
path	Path to the output '.pzfx' file.
row_names	Logical. If row names of the input table should be preserved and become row titles in the output '.pzfx' file. If the length is greater than 1, it must match the length of list of input tables. Default: TRUE.
x_col	1-based column index or name of the column to be used as the 'X' column. If the length is greater than 1, it must match the length of list of input tables. All other columns in the input tables will be treated as "Y" columns in the output '.pzfx' file. Default: NA

**Value**

write\_pzfx returns the input x invisibly.

**Examples**

```
pzfx_file <- system.file("extdata/exponential_decay.pzfx", package = "pzfx", mustWork = TRUE)
df <- read_pzfx(pzfx_file, table = 1, strike_action = "exclude")
write_pzfx(df, path = tempfile(fileext = ".pzfx"), row_names = TRUE)
```

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