

Package ‘xesreadR’

October 14, 2022

Type Package

Title Read and Write XES Files

Version 0.2.3

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Description

Read and write XES Files to create event log objects used by the 'bupaR' framework. XES (Extensible Event Stream) is the `IEEE` standard for storing and sharing event data (see <http://standards.ieee.org/findstds/standard/1849-2016.html> for more info).

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Encoding UTF-8

LazyData true

Depends R(>= 3.0.0)

Imports bupaR, dplyr, XML, xml2, data.table, tidyr, purrr, stringr, lubridate

RoxygenNote 6.1.1

Suggests knitr, rmarkdown

VignetteBuilder knitr

URL <http://www.bupar.net>

NeedsCompilation no

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case_attributes_from_xes
Case Attributes from Xes-file

Description

Extracts case attributes from a xes-file.

Usage

```
case_attributes_from_xes(xesfile = file.choose())
```

Arguments

xesfile Reference to a .xes file, conforming to the xes-standard.

See Also

<http://www.xes-standard.org/>

eventlog_from_xes *eventlog_from_xes*

Description

Extracts eventlog from a xes-file.

Usage

```
eventlog_from_xes(xesfile = file.choose())
```

Arguments

xesfile Reference to a .xes file, conforming to the xes-standard.

See Also

<http://www.xes-standard.org/>

read_xes	<i>read_xes</i>
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Description

Extracts eventlog from a xes-file.

Usage

```
read_xes(xesfile = file.choose(), validate = TRUE)
```

Arguments

xesfile	Reference to a .xes file, conforming to the xes-standard.
validate	When 'TRUE' some basic checks are run on the contents of the event log such as that activity instances are not connected to more than one case or activity. Using 'FALSE' improves the performance by skipping those checks and allows to import XES files that do not conform to bupaR requirements.

See Also

<http://www.xes-standard.org/>

read_xes_cases	<i>Case Attributes from Xes-file</i>
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Description

Extracts case attributes from a xes-file.

Usage

```
read_xes_cases(xesfile = file.choose())
```

Arguments

xesfile	Reference to a .xes file, conforming to the xes-standard.
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See Also

<http://www.xes-standard.org/>

write_xes	<i>Write XES file</i>
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Description

Function for writing xes-file

Usage

```
write_xes(eventlog, xesfile = file.choose(), case_attributes = NULL)
```

Arguments

eventlog	An event log object
xesfile	Destination file
case_attributes	List of columns containing case_attributes

xesreadR	<i>xesreadR - Read and write XES fles</i>
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Description

Functions for reading and writing XES-files. XES (eXtensible Event Stream) is the IEEE standard for storing and sharing event data (see <<http://standards.ieee.org/findstds/standard/1849-2016.html>> for more info)

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