

# Package ‘xesreadR’

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**Type** Package

**Title** Read and Write XES Files

**Version** 0.2.3

**Date** 2019-03-19

**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*

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### 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/>

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eventlog\_from\_xes      *eventlog\_from\_xes*

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### 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/>

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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/>

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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/>

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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

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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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