

Package: volleyxml (via r-universe)

September 6, 2024

Title Reading and Analyzing XML Volleyball Scouting Files

Version 0.0.3

Description Provides basic functions for parsing volleyball scouting files in xml format.

Depends R (>= 3.2.4)

Imports assertthat, digest, dplyr, lubridate, rlang, stringr, xml2

Suggests testthat

Encoding UTF-8

License MIT + file LICENSE

LazyData true

RoxygenNote 7.1.1

Repository <https://openvolley.r-universe.dev>

RemoteUrl <https://github.com/openvolley/volleyxml>

RemoteRef HEAD

RemoteSha 5acf20f4dd0f49fcc5a4f598fbce799944fabcb2

Contents

plays	2
print.summary.volleyxml	2
summary.volleyxml	3
teams	4
volleyxml	4
vx_example_file	5
vx_read	5

Index	7
--------------	----------

plays

Extract the play-by-play data component from a volleyxml object

Description

Extract the play-by-play data component from a volleyxml object

Usage

```
plays(x)
```

Arguments

x volleyxml: a volleyxml object as returned by vx_read

Value

The plays component of x (a data.frame)

See Also

[vx_read](#)

Examples

```
## Not run:  
x <- vx_read(vx_example_file())  
head(plays(x))  
  
## End(Not run)
```

print.summary.volleyxml

Print method for summary.volleyxml

Description

Print method for summary.volleyxml

Usage

```
## S3 method for class 'summary.volleyxml'  
print(x, ...)
```

Arguments

x summary.volleyxml: a summary.volleyxml object as returned by summary.volleyxml
... : additional arguments (currently these have no effect)

See Also

[summary.volleyxml](#)

summary.volleyxml *A simple summary of a volleyball match*

Description

A simple summary of a volleyball match

Usage

```
## S3 method for class 'volleyxml'  
summary(object, ...)
```

Arguments

object volleyxml: volleyxml object as returned by vx_read
... : additional arguments (currently these have no effect)

Value

list of summary items

See Also

[vx_read](#)

Examples

```
x <- vx_read(vx_example_file())  
summary(x)
```

teams

Get team names from volleyxml object

Description

Get team names from volleyxml object

Usage

```
teams(x)
```

```
home_team(x)
```

```
visiting_team(x)
```

Arguments

x volleyxml or data.frame: a volleyxml object as returned by vx_read, or the plays component of that object

Value

character vector of team names

See Also

[vx_read](#)

Examples

```
## Not run:  
x <- vx_read(vx_example_file())  
teams(x)  
  
## End(Not run)
```

volleyxml**volleyxml**

Description

Provides basic functions for parsing volleyball scouting files in XML format.

vx_example_file	<i>Example data files</i>
-----------------	---------------------------

Description

Example data files provided as part of the volleyxml package

Usage

```
vx_example_file(choice = 1)
```

Arguments

choice numeric: which data file to return?

- 1 - a largely fictitious example

Value

path to the file

See Also

[vx_read](#)

Examples

```
myfile <- vx_example_file()
x <- vx_read(myfile)
summary(x)
```

vx_read	<i>Read XML volleyball scouting file</i>
---------	--

Description

Read XML volleyball scouting file

Usage

```
vx_read(filename)
```

Arguments

filename string: name of the file to read

Value

volleyxml object (list with components meta, plays, and raw)

Examples

```
x <- vx_read(vx_example_file())
```

Index

`home_team (teams)`, 4

`plays`, 2

`print.summary.volleyxml`, 2

`summary.volleyxml`, 3, 3

`teams`, 4

`visiting_team (teams)`, 4

`volleyxml`, 4

`vx_example_file`, 5

`vx_read`, 2–5, 5