Package 'Rwikitimeline'

February 24, 2017

Title Creating and plotting biographical timelines from Wikipedia data

Description This package combines the functions of `WikipediR` and `timeline` to enable automatic retrieval and visual presentation of biographical information from Wikipedia articles.

Version 0.1

URL https://github.com/kevinstadler/Rwikitimeline

BugReports https://github.com/kevinstadler/Rwikitimeline/issues

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Depends ggplot2

Imports stats,
timeline,
WikipediR

Suggests memoise,
knitr,
rmarkdown

VignetteBuilder knitr

RoxygenNote 6.0.0

R topics documented:

`buildtimeline` *Retrieve and arrange biographical data of several people.*

Description

Retrieve and arrange biographical data of several people.

Usage

```
buildtimeline(names, groups = NA)
```

Arguments

names	a vector or list of names for which biographical dates should be retrieved
groups	passed on to grouptimeperiods

Value

a data frame with one row per name and four columns (name, group, birth, death)

Examples

```
buildtimeline(c("Hieronymus Bosch", "Michelangelo", "Pieter Bruegel the Elder"))
```

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getwikibio *Retrieve birth and death year of a person from Wikipedia.*

Description

Retrieves the Wikipedia article with the given name and attempts to extract birth and death data from its *infobox* template.

Usage

```
getwikibio(name, wiki = "en.wikipedia.org")
```

Arguments

name	the name of the Wikipedia article
wiki	domain of the wiki to retrieve the article from

Examples

```
getwikibio("Hieronymus Bosch")
```

grouptimeperiods *Arrange the given time periods into groups of non-overlapping time spans.*

Description

Arrange the given time periods into groups of non-overlapping time spans.

Usage

```
grouptimeperiods(starts, ends, groups = NULL)
```

Arguments

starts	vector of all start dates of the time periods
ends	end times of the time periods (same length as the starts argument)
groups	vector of pre-assigned groups for some of the time periods (optional)

Value

a character vector of groups, with one item for every time period

parseyear *Find and parse a year from a string.*

Description

Returns the first numeric year specification within the string that follows the given 'fieldname' substring.

Usage

```
parseyear(fieldname, string)
```

Arguments

fieldname	a substring more or less directly preceding the date specification
string	the document string to be searched

Value

the parsed year, as a numeric (negative for years BC)

Examples

```
parseyear("death_date", "| birth_place   = [['s-Hertogenbosch]], [[Duchy of Brabant]]
| death_date    = Buried on {{death date|1516|8|9|df=yes}}")
# works for BC too
parseyear("birth_date", "|birth_date  = c. 535 BC")
```

plottimeline *Display a timeline across several panels.*

Description

Display a timeline across several panels.

Usage

```
plottimeline(bios, title = "People I know about", npanels = 1)
```

Arguments

bios	a data frame passed on to timeline
title	optional title to add to plot
npanels	number of panels to spread the timeline between

See Also

buildtimeline

timeline

Examples

```
plottimeline(buildtimeline(c("Hieronymus Bosch", "Michelangelo", "Pieter Bruegel the Elder")))
```

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