Package 'linguisticsdown'

March 1, 2019

Title Easy Linguistics Document Writing with R Markdown

Version 1.2.0

Description Provides 'Shiny gadgets' to search, type, and insert IPA symbols
into documents or scripts, requiring only knowledge about phonetics or
'X-SAMPA'. Also provides functions to facilitate the rendering of IPA
symbols in 'LaTeX' and PDF format, making IPA symbols properly rendered
in all output formats. A minimal R Markdown template for authoring
Linguistics related documents is also bundled with the package. Some
helper functions to facilitate authoring with R Markdown is also provided.

URL https://liao961120.github.io/linguisticsdown/,
https://github.com/liao961120/linguisticsdown

BugReports https://github.com/liao961120/linguisticsdown/issues

Depends R (>= 3.4.0)

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Encoding UTF-8

LazyData true

Imports stringr, shiny, magrittr, miniUI, knitr, rstudioapi, DT

RoxygenNote 6.1.1

Suggests pkgdown, rmarkdown, testthat, tidyr

NeedsCompilation no

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Repository CRAN

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R topics documented:

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cond_cmpl *Conditional Compilation*

Description

cond_cmpl wraps a sequence of IPA string with LaTeX code in R Markdown document when compiled to LaTeX. When compiled to HTML, returns the original sequence.

Usage

```
cond_cmpl(ipa)
```

Arguments

ipa	String. A sequence of IPA symbols.

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include_graphics2 *Wrapper of* knitr::include_graphics *to Deal with URLs and Invalid File Types*

Description

Deals with URL paths and invalid file types passed to path of [include_graphics]. When the output format of the R Markdown is PDF, and an URL is passed to path, the figure is automatically downloaded from the URL and included using the local relative path. If a figure has an invalid file extension for PDF output (e.g. .gif, .svg), the function passed to handler is used to override the default behavior: inserting figures with knitr::include_graphics.

Usage

```
include_graphics2(path, alt_path = NULL, handler = function(path)
  knitr::asis_output(paste("View", tools::file_ext(path), "at", path)),
  ...)
```

Arguments

path	String. Path to a figure to be included. Can be either an URL or a local path.
alt_path	String. An alternative figure path for path with invalid extensions. In the case of PDF ('LaTeX') output, invalid extensions are .gif, .svg.
handler	Function. A function with a single argument path. Used to insert alternative contents, such as a piece of text, when the figure cannot be inserted.
...	Other arguments to pass to [include_graphics].

Details

Read more about using the function at http://bit.ly/include_graphics2.

Examples

```
png_url <- 'https://commonmark.org/images/markdown-mark.png'
gif_url <- 'https://media.giphy.com/media/k3dcUPvxuNpK/giphy.gif'

## Not run:
include_graphics2(gif_url, alt_path = png_url)

## End(Not run)
```

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searchIPA   *Lookup IPA symbols with phonetic features or X-SAMPA*

Description

Lookup IPA symbols with phonetic features or X-SAMPA

Usage

```
searchIPA(x = NULL, search = c("feature", "xsampa"))
```

Arguments

x	Character. A (partial) term of the features of an IPA symbol or the (partial) X-SAMPA symbol corresponding to an IPA symbol. Defaults to NULL, which returns all IPA symbols with corresponding features and X-SAMPA symbols.
search	Character. Search mode, either feature or xsampa.

Value

A data frame with 3 rows.

Examples

```
# Check all IPA symbols
searchIPA()

# Search with feature
searchIPA("bilabial", "feature")

# Search with X-SAMPA
searchIPA("_h", "xsampa")
```

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writeIPA *Insert IPA symbols with Shiny app*

Description

writeIPA opens a shiny gadget in the viewer pane of RStudio to let users insert a sequence of IPA symbols into the source pane or console. Users can choose to use phonetic features (such as *aspirated*, *schwa*, *vl* for voiceless, *vd* for voiced, etc.) to find IPA symbols or use the X-SAMPA input method directly. Note that due to the special meanings of backslash(\) in programming, **backslashes(\) in X-SAMPA symbols are replaced with slashes(/)**.

Usage

```
writeIPA()
```

Value

Inserted plain text at the cursor returned by insertText.

Source

https://github.com/dmort27/epitran/blob/master/epitran/data/ipa-xsampa.csv

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