

Package ‘linguisticsdown’

May 8, 2026

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)

License MIT + file LICENCE

Encoding UTF-8

LazyData true

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

RoxygenNote 6.1.1

Suggests pkgdown, rmarkdown, testthat, tidy

NeedsCompilation no

Author Yongfu Liao [aut, cre, cph] (ORCID:
<<https://orcid.org/0000-0002-1814-2993>>)

Maintainer Yongfu Liao <liao961120@gmail.com>

Repository CRAN

Date/Publication 2019-03-01 05:30:04 UTC

Contents

cond_cmpl	2
include_graphics2	2
searchIPA	3
writeIPA	4
Index	5

cond_cmpl	<i>Conditional Compilation</i>
-----------	--------------------------------

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.
-----	------------------------------------

include_graphics2	<i>Wrapper of knitr::include_graphics to Deal with URLs and Invalid File Types</i>
-------------------	--

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 <code>include_graphics</code> .

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)
```

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")
```

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>

Index

cond_cmpl, [2](#)

include_graphics, [2](#), [3](#)

include_graphics2, [2](#)

insertText, [4](#)

searchIPA, [3](#)

writeIPA, [4](#)