

Package ‘linguisticsdown’

November 9, 2018

Title Easy Linguistics Document Writing with R Markdown

Version 1.1.0

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.

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, tidyr, shiny, magrittr, miniUI, knitr, rstudioapi, DT

RoxygenNote 6.1.0

Suggests pkgdown, rmarkdown, testthat

NeedsCompilation no

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Repository CRAN

Date/Publication 2018-11-09 13:30:02 UTC

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cond_cmpl	<i>Conditional Compilation</i>
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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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searchIPA	<i>Lookup IPA symbols with phonetic features or X-SAMPA</i>
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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>

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