

# Package ‘linguisticsdown’

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**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

**RoxxygenNote** 6.1.1

**Suggests** pkgdown, rmarkdown, testthat, tidy

**NeedsCompilation** no

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**Repository** CRAN

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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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include_graphics2	<i>Wrapper of knitr::include_graphics to Deal with URLs and Invalid File Types</i>
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**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 <code>.gif</code> , <code>.svg</code> .
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](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*


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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")
```

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`writeIPA`*Insert IPA symbols with Shiny app*

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**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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