

Package ‘thaipdf’

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Title R Markdown to PDF in Thai Language

Version 0.1.2

Description Provide R Markdown templates and LaTeX preamble
which are necessary for creating PDF from R Markdown documents in Thai language.

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Depends R (>= 3.4)

Encoding UTF-8

RoxygenNote 7.1.2

Imports fs, cli, rmarkdown

Suggests testthat (>= 3.0.0), bookdown, covr, knitr

URL <https://lightbridge-ks.github.io/thaipdf/>

BugReports <https://github.com/Lightbridge-KS/thaipdf/issues>

Config/testthat/edition 3

VignetteBuilder knitr

Language th, en-US

NeedsCompilation no

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thaipdf_book	<i>Convert R Markdown to a PDF book with Thai Language Compatibility</i>
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Description

Thai language supported conversion of R Markdown to a PDF after resolving the special tokens of **bookdown** (e.g., the tokens for references and labels) to native LaTeX commands. It is a wrapper around `bookdown::pdf_book()` with argument `base_format` set to `thaipdf_document()`.

Usage

```
thaipdf_book(...)
```

Arguments

... Arguments to pass to `bookdown::pdf_book()`, and then to `thaipdf_document()`. You may supply argument `thai_font` and `line_spacing` in here.

Value

An S3 object of class "rmarkdown_output_format" to pass to `rmarkdown::render()`

See Also

- How to use `bookdown::pdf_book()`, please see [official documentation](#)
- How to use `thaipdf_document()`.

Examples

```
## Not run:
library(rmarkdown)

# Simple Conversion
render("input.Rmd", output_format = thaipdf::thaipdf_book())

# Render with Thai font "Laksaman" and font size 10pt
render("input.Rmd",
  output_format = thaipdf::thaipdf_book(
    thai_font = "Laksaman", # you must have this font in your system
    pandoc_args = pandoc_metadata_arg("fontsize", "10pt")
  ))

## End(Not run)
```

thaipdf_document	<i>Convert to a PDF/LaTeX document with Thai Language Compatibility</i>
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Description

Thai language supported conversion of R Markdown to a PDF or LaTeX document. It is a wrapper around `rmarkdown::pdf_document()`.

Usage

```
thaipdf_document(thai_font = "TH Sarabun New", line_spacing = 1.5, ...)
```

Arguments

<code>thai_font</code>	(Character) Name of the Thai font to use. Default font is "TH Sarabun New". It can be any Thai font that installed in your system.
<code>line_spacing</code>	(Numeric) Spacing between each line. Line spacing 1.5 is recommended for Thai language (default).
<code>...</code>	Arguments to pass to <code>pdf_document()</code> . You may supply any valid arguments of <code>pdf_document()</code> except for <code>includes</code> and <code>latex_engine</code> .

Details

To achieve Thai language compatibility for \LaTeX , This function injects preamble fragment of Thai \LaTeX typesetting into the preamble of output \LaTeX via `includes` argument, and set `latex_engine` to "xelatex".

Value

An S3 object of class "rmarkdown_output_format" to pass to `rmarkdown::render()`

See Also

- How to use `rmarkdown::pdf_document`, please see [official documentation](#).
- How to use `thaipdf_book()`.

Examples

```
## Not run:
library(rmarkdown)

# Simple Conversion
render("input.Rmd", output_format = thaipdf::thaipdf_document())

# Render with Thai font "Laksaman", font size 10pt, enable table of contents
render("input.Rmd",
      output_format = thaipdf::thaipdf_document(
        thai_font = "Laksaman", # you must have this font in your system
```

```

    toc = TRUE,
    pandoc_args = pandoc_metadata_arg("fontsize", "10pt")
  ))

## End(Not run)

```

use_thai_preamble *Create a \LaTeX Preamble for Thai Language in R Markdown*

Description

This function creates \LaTeX preamble file needed to render Thai language in R Markdown to a PDF document.

Usage

```

use_thai_preamble(
  name = "thai-preamble.tex",
  thai_font = "TH Sarabun New",
  line_spacing = 1.5,
  open = FALSE,
  overwrite = FALSE
)

```

Arguments

name	(Character) Thai \LaTeX preamble file name or path of file to create, which can be relative path or absolute path. Default value is <code>thai-preamble.tex</code> .
thai_font	(Character) Name of the Thai font to use. Default font is "TH Sarabun New". It can be any Thai font that installed in your system.
line_spacing	(Numeric) Spacing between each line. Line spacing 1.5 is recommended for Thai language (default).
open	(Logical) Open the newly created file for editing? Using default editor of <code>.tex</code> to open.
overwrite	(Logical) If file already exist, do you want to overwrite?

Details

Here is the steps:

1. Call `use_thai_preamble()`. You can set other file name by `name` argument and Thai font to use by `thai_font` argument.
2. Follow the instructions printed to R console.
 - File `thai-preamble.tex` should be created in the current working directory (by default).
 - (If not already) Create R Markdown file with `pdf_document:` or `bookdown::pdf_document2` format.

- Modify YAML header in pdf_document: or bookdown::pdf_document2 option. Set latex_engine to xelatex and set to include path to the L^AT_EX preamble file.
 - Add L^AT_EX macro \sloppy to the beginning of the body of R Markdown (just after YAML header).
3. Write some Thai language in R Markdown then knit to PDF. It's DONE!

Value

(Invisible) A path to L^AT_EX preamble being created.

Examples

```
## Not run:
# Running this will write `thai-preamble.tex` to your working directory
use_thai_preamble()
# Write `thai-preamble.tex` under pre-tex/ directory (a directory must exist)
use_thai_preamble(name = "pre-tex/thai-preamble.tex")
# Specify Thai font to use
use_thai_preamble(thai_font = "Laksaman")

## End(Not run)

# Example
.old_wd <- setwd(tempdir())
use_thai_preamble()
setwd(.old_wd)
```

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