

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

RoxxygenNote 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*Convert R Markdown to a PDF book with Thai Language Compatibility*

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 $\text{\LaTeX}$, This function injects preamble fragment of Thai $\text{\LaTeX}$ typesetting into the preamble of output $\text{\LaTeX}$ 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 thai-preamble.tex.
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 .tex 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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