

Package ‘iheiddown’

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Title For Writing Graduate Institute Geneva Documents

Description A set of tools to support writing various documents according to the Graduate Institute of International and Development Studies conventions and regulations.
The most common use will be for writing and compiling theses or thesis chapters, as drafts or for examination with all the correct preamble content.
However, the package also offers the creation of html presentation slides via 'xaringan', and, for course instructors, also the ability to create a syllabus as a PDF.
The package includes additional functions for institutional color palettes and an institutional 'ggplot' theme, as well as a function for word counts.

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URL <https://github.com/jhollway/iheiddown>

BugReports <https://github.com/jhollway/iheiddown/issues>

Depends R (>= 3.5.0)

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Imports bookdown, dplyr, roxygen2, covr, ggplot2, magrittr, rmarkdown, xaringan, crayon, rlang, servr, readr, rstudioapi, tibble, tidytext

Encoding UTF-8

RoxygenNote 7.1.1

Suggests testthat, kableExtra, knitr, DT, leaflet

VignetteBuilder knitr

NeedsCompilation no

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advdate	<i>Advance dates by week</i>
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Description

This function takes a start date, e.g. of a course, and advances it by a number of weeks. This function is used in the syllabus template.

Usage

```
advdate(startdate, week)
```

Arguments

startdate	The first date in the series (e.g. first day of class).
week	The number of weeks into the series. Week 1 is the first date in the series.

Value

A vector of dates in the format "dd mmm" in parentheses.

Examples

```
advdate("2021-06-23", 1:3)
```

bookdown_profile	<i>Manage iheiddown profile</i>
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Description

This RStudio Addin opens up the `~/_bookdown.yml` file for users to edit. If the file doesn't exist, it will create one.

Usage

```
bookdown_profile()
```

Value

Opens or creates a bookdown profile YAML file for the current thesis.

chapter_pdf	<i>Creates an R Markdown PDF Thesis chapter</i>
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Description

This function can be used in the header of each constituent chapter of an IHEID thesis to output a draft version of the chapter for proofreading or sending to your supervisor.

Usage

```
chapter_pdf(input, ...)
```

Arguments

<code>input</code>	Rmd input file that will be processed by the function.
<code>...</code>	Instructions passed to the function from a correctly specified .Rmd document

Value

A modified pdf_document based on the IHEID Thesis LaTeX template

Examples

```
## Not run:  
knit: iheiddown::chapter_pdf  
  
## End(Not run)
```

count_words	<i>A function for counting words in an Rmarkdown document.</i>
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Description

This function takes a path to a .Rmd file and returns a word count. For best results each sentence should start on a new line. Inline code chunks should also start on a new line.

Usage

```
count_words(file)
```

Arguments

file	A path to a .Rmd file
------	-----------------------

Value

A scalar representing the number of words in the document.

Examples

```
rmarkdown::draft(file = "test", template = "html_vignette",
package = "rmarkdown", create_dir = TRUE, edit = FALSE)
iheiddown::count_words("test/test.Rmd")
unlink("test", recursive = TRUE)
```

iheid_palette	<i>An IHEID palette generator</i>
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Description

These are a few color palettes useful for members of the Graduate Institute. This function calls one of three official palettes in [iheid_palette](#): for the Institute, for the Centres, and for the SDGs.

Usage

```
iheid_palette(name, n, type = c("discrete", "continuous"))
```

Arguments

name	Name of desired palette. Current choices are: IHEID, Centres, and SDGs.
n	Number of colors desired. If omitted, uses all colours.
type	Either "continuous" or "discrete". Use continuous if you want to automatically interpolate between colours.

Value

A vector of colours.

Source

Adapted from <https://github.com/karthik/wesanderson/blob/master/R/colors.R>

Examples

```
iheid_palette("IHEID")
iheid_palette("Centres")
iheid_palette("SDGs")

# If you need more colours than normally found in a palette, you
# can use a continuous palette to interpolate between existing
# colours
pal <- iheid_palette(21, name = "Centres", type = "continuous")
image(volcano, col = pal)
```

iheid_palettes	<i>Complete list of palettes</i>
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Description

Use `iheid_palette` to construct palettes of desired length.

Usage

```
iheid_palettes
```

Format

An object of class `list` of length 3.

preview	<i>Previewing rmarkdown documents</i>
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Description

Use the `servr` package to continuously serve and reload the Rmd document. Run `preview_start()` function while viewing the Rmd panel of your presentation. To stop the server, run `preview_stop()`.

Usage

```
preview_start(file_path, ...)

preview_stop(which = NULL)
```

Arguments

file_path	The input Rmd file path (if missing and in RStudio, the current active document is used).
...	Additional arguments passed to <code>rmarkdown::render()</code> .
which	An integer vector of the server IDs; by default, IDs of all existing servers in the current R session obtained from <code>daemon_list()</code> , i.e., all daemon servers will be stopped by default.

Value

Starts serving the current files to RStudio's Viewer pane.

Stops serving the current files to RStudio's Viewer pane.

References

xaringan

syllabus_pdf	<i>Creates an R Markdown PDF Syllabus document</i>
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Description

This is a function called in output in the YAML of the driver Rmd file to specify using the IHEID Syllabus LaTeX template file.

Usage

```
syllabus_pdf(input, ...)
```

Arguments

input	The name of the .Rmd file to serve as input.
...	Instructions passed to the function from a correctly specified .Rmd document

Value

A modified pdf_document based on the IHEID Syllabus LaTeX template, automatically named by course and date.

Examples

```
## Not run:
output:
  iheiddown::syllabus_pdf:
    input: "Untitled.Rmd" # Replace with whatever the name of this file is, e.g. "MINT001.Rmd"

## End(Not run)
```

theme_iheid	<i>A ggplot2 theme for IHEID style plots. Adapted from Hrbrmstr's ipsum theme.</i>
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Description

A ggplot2 theme for IHEID style plots. Adapted from Hrbrmstr's ipsum theme.

Usage

```
theme_iheid(  
  base_family = "sans",  
  base_size = 11.5,  
  plot_title_family = base_family,  
  plot_title_size = 18,  
  plot_title_face = "bold",  
  plot_title_margin = 10,  
  subtitle_family = base_family,  
  subtitle_size = 12,  
  subtitle_face = "plain",  
  subtitle_margin = 15,  
  strip_text_family = base_family,  
  strip_text_size = 12,  
  strip_text_face = "plain",  
  caption_family = base_family,  
  caption_size = 9,  
  caption_face = "italic",  
  caption_margin = 10,  
  axis_text_size = base_size,  
  axis_title_family = subtitle_family,  
  axis_title_size = 9,  
  axis_title_face = "plain",  
  axis_title_just = "rt",  
  plot_margin = margin(30, 30, 30, 30),  
  grid_col = iheid_palette("IHEID")["IHEIDBlack"],  
  grid = TRUE,  
  axis_col = iheid_palette("IHEID")["IHEIDBlack"],  
  axis = FALSE,  
  ticks = FALSE  
)
```

Arguments

base_family, base_size
 base font family and size

plot_title_family, plot_title_face, plot_title_size, plot_title_margin
 plot title family, face, size and margin

```

subtitle_family, subtitle_face, subtitle_size
    plot subtitle family, face and size
subtitle_margin
    plot subtitle margin bottom (single numeric value)
strip_text_family, strip_text_face, strip_text_size
    facet label font family, face and size
caption_family, caption_face, caption_size, caption_margin
    plot caption family, face, size and margin
axis_text_size font size of axis text
axis_title_family, axis_title_face, axis_title_size
    axis title font family, face and size
axis_title_just
    axis title font justification, one of [blmcr]

plot_margin plot margin (specify with ggplot2::margin())
grid_col, axis_col
    grid & axis colors; both default to #cccccc
grid
    panel grid (TRUE, FALSE, or a combination of X, x, Y, y)
axis
    add x or y axes? TRUE, FALSE, "xy"
ticks
    ticks if TRUE add ticks

```

Value

Themes the current ggplot to current IHEID guidelines.

Examples

```

library(ggplot2)
library(dplyr)

# seminal scatterplot

ggplot(mtcars, aes(mpg, wt)) +
  geom_point() +
  labs(x="Fuel efficiency (mpg)", y="Weight (tons)",
       title="Seminal ggplot2 scatterplot example",
       subtitle="A plot that is only useful for demonstration purposes",
       caption="Brought to you by the letter 'g'") +
  theme_iheid()

# seminal bar chart

count(mpg, class) %>%
  ggplot(aes(class, n)) +
  geom_col() +
  geom_text(aes(label=n), nudge_y=3) +
  labs(x="Fuel efficiency (mpg)", y="Weight (tons)",
       title="Seminal ggplot2 bar chart example",
       subtitle="A plot that is only useful for demonstration purposes",

```



```
caption="Brought to you by the letter 'g'") +  
theme_iheid(grid="Y") +  
theme(axis.text.y=element_blank())
```

thesis_pdf

Creates an R Markdown PDF Thesis document

Description

This is a function called in output in the YAML of the driver Rmd file to specify using the IHEID Thesis LaTeX template file.

Usage

```
thesis_pdf(input = ".", ...)
```

Arguments

input	Rmd input file that will be processed by the function.
...	Instructions passed to the function from a correctly specified .Rmd document

Value

A modified pdf_document based on the IHEID Thesis LaTeX template

Examples

```
## Not run:  
knit: iheiddown::thesis_pdf  
  
## End(Not run)
```

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