Package 'flexlsx'

October 31, 2024

Type Package

Title Exporting 'flextable' to 'xlsx' Files

Version 0.3.0

Description Exports 'flextable' objects to 'xlsx' files,
utilizing functionalities provided by 'flextable' and 'openxlsx2'.

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Encoding UTF-8

Imports dplyr (>= 1.1.1), grDevices, openxlsx2 (>= 1.0.0), purrr,
rlang, stringi, tibble, tidyr (>= 1.0.0)

Suggests covr, gtsummary, flextable (>= 0.9.5), testthat (>= 3.0.0)

Depends R (>= 4.1.0)

RoxygenNote 7.3.2

Config/testthat/edition 3

URL https://github.com/pteridin/flexlsx

BugReports https://github.com/pteridin/flexlsx/issues

NeedsCompilation no

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Repository CRAN

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Contents

ftpart_to_style_tibble

Converts a flextable-part to a tibble styles

Description

[Experimental]

[Experimental]

Usage

```
ftpart_to_style_tibble(ft_part, part = c("header", "body", "footer"))
```

Arguments

`ft_part`	the part of the flextable to extract the style from
`part`	the name of the part

Value

a tibble

`ft_to_style_tibble` *Converts a flextable to a tibble with style information*

Description

[Experimental]

Usage

```
ft_to_style_tibble(
  ft,
  offset_rows = 0L,
  offset_cols = 0L,
  offset_caption_rows = 0L
)
```

Arguments

`ft`	a flextable
`offset_rows`	offsets the start-row
`offset_cols`	offsets the start-columns
`offset_caption_rows`	number of rows to offset the caption by

Value

a tibble

`ft_to_xlsx_border_width` *Determines the border width*

Description

[Experimental]

Usage

```
ft_to_xlsx_border_width(border_width)
```

Arguments

`border_width`	a numeric vector determining the border-width

Value

a factor of xlsx border styles

`get_dim_colwise` *Groups each row with same style each column*

Description

[Experimental]

Usage

```
get_dim_colwise(df_rows)
```

Arguments

`df_rows`	tibble of row-wise aggregates style

Value

tibble of column-wise aggregates style

`get_dim_ranges` *Retrieves dims of same style rows within same column*

Description

[Experimental]

Usage

```
get_dim_ranges(df_x)
```

Arguments

`df_x`	styling information incl. col_id & row_id

Value

merged styles as a tibble

`get_dim_rowwise` *Groups each column with same style each row*

Description

[Experimental]

Usage

```
get_dim_rowwise(df_x, df_style_hashed)
```

Arguments

`df_x`	styling information incl. col_id & row_id
`df_style_hashed`	tibble of hashed style information

Value

tibble of row-wise aggregates style information

`handle_null_border` *Where there is no border return NULL*

Description

[Experimental]

Usage

```
handle_null_border(border_width)
```

Arguments

`border_width`	a numeric vector determining the border-width

Value

border_width or NULL

`prepare_color` *Prepares the color for content style*

Description

Converts a color name to the hexadecimal RGB-value Removes "transparent" color

Usage

```
prepare_color(color_name)
```

Arguments

`color_name`	The name of the color

Value

The hexadecimal RGB-value

`style_to_hash` *Retrieves hashed style information*

Description

[Experimental]

Converts each style to an individual integer hash for easy comparison and aggregation.

Usage

```
style_to_hash(df_x)
```

Arguments

`df_x`	styling information incl. col_id & row_id

Value

hashed style information as a tibble

wb_add_caption *Adds a caption to an excel file*

Description

[Experimental]

Usage

```
wb_add_caption(
  wb,
  sheet,
  ft,
  offset_rows = offset_rows,
  offset_cols = offset_cols
)
```

Arguments

wb	an openxlsx2 workbook
sheet	an openxlsx2 workbook sheet
ft	a flextable
offset_rows	zero-based row offset
offset_cols	zero-based column offset

wb_add_flextable *Adds a flextable to an openxlsx2 workbook sheet*

Description

[Experimental]

Usage

```
wb_add_flextable(
  wb,
  sheet,
  ft,
  start_col = 1,
  start_row = 1,
  offset_caption_rows = 0L,
  dims = NULL
)
```

Arguments

wb	an openxlsx2 workbook

sheet	an openxlsx2 workbook sheet

ft	a flextable

start_col	a vector specifying the starting column to write to.

start_row	a vector specifying the starting row to write to.

offset_caption_rows	number of rows to offset the caption by

dims	Spreadsheet dimensions that will determine start_col and start_row: "A1", "A1:B2", "A:B"

Value

an openxlsx2 workbook

Examples

```
if(requireNamespace("flextable", quietly = TRUE)) {
  # Create a flextable
  ft <- flextable::as_flextable(table(mtcars[,c("am","cyl")]))

  # Create a workbook
  wb <- openxlsx2::wb_workbook()$add_worksheet("mtcars")

  # Add flextable to workbook
  wb <- wb_add_flextable(wb, "mtcars", ft)

  # Workbook can now be saved wb$save(),
  # opened wb$open() - or removed
  rm(wb)
 }
```

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wb_apply_border *Applies the border styles*

Description

[Experimental]

Usage

```
wb_apply_border(wb, sheet, df_style)
```

Arguments

`wb`	the workbook
`sheet`	the sheet of the workbook
`df_style`	the styling tibble from ft_to_style_tibble

`wb_apply_cell_styles` *Applies the cell styles*

Description

[Experimental]

Usage

```
wb_apply_cell_styles(wb, sheet, df_style)
```

Arguments

`wb`	the workbook
`sheet`	the sheet of the workbook
`df_style`	the styling tibble from ft_to_style_tibble

`wb_apply_content` *Applies the content*

Description

[Experimental]

Usage

```
wb_apply_content(wb, sheet, df_style)
```

Arguments

`wb`	the workbook
`sheet`	the sheet of the workbook
`df_style`	the styling tibble from ft_to_style_tibble

`wb_apply_merge` *Merges cells*

Description

[Experimental]

Usage

```
wb_apply_merge(wb, sheet, df_style)
```

Arguments

`wb`	the workbook
`sheet`	the sheet of the workbook
`df_style`	the styling tibble from ft_to_style_tibble

Value

df_style tibble

`wb_apply_text_styles` *Applies the text styles*

Description

[Experimental]

Usage

```
wb_apply_text_styles(wb, sheet, df_style)
```

Arguments

`wb`	the workbook
`sheet`	the sheet of the workbook
`df_style`	the styling tibble from ft_to_style_tibble

wb_change_cell_width *Changes the cell width*

Description

Changes the cell width

Usage

```
wb_change_cell_width(wb, sheet, ft, offset_cols)
```

Arguments

wb	an openxlsx2 workbook
sheet	an openxlsx2 workbook sheet
ft	a flextable
offset_cols	zero-based column offset

wb_change_row_height *Changes the row height*

Description

Changes the row height

Usage

```
wb_change_row_height(wb, sheet, df_style)
```

Arguments

wb	an openxlsx2 workbook
sheet	an openxlsx2 workbook sheet
df_style	the styling tibble from ft_to_style_tibble

Index