Package 'forgts'

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Title Convert Formatted Spreadsheets to Presentation-Ready Display Tables

Version 0.0.1

Description Reads cell contents plus formatting from a spreadsheet file and creates an editable 'gt' object with the same data and formatting. Supports the most commonly-used cell and text styles including colors, fills, font weights and decorations, and borders.

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Encoding UTF-8

RoxygenNote 7.3.2.9000

Imports dplyr, gt, purrr, readxl, rlang, tibble, tidyr, tidyxl

Suggests knitr, rmarkdown, testthat (>= 3.0.0)

Config/testthat/edition 3

URL https://github.com/luisDVA/forgts, https://luisdva.github.io/forgts/

BugReports https://github.com/luisDVA/forgts/issues

VignetteBuilder knitr

NeedsCompilation no

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`apply_styling` *Apply Spreadsheet Formatting to gt Table*

Description

Applies formatting to a gt table based on information extracted from the spreadsheet file.

Usage

```
apply_styling(gt_object, formatRdy)
```

Arguments

`gt_object`	A gt object.
`formatRdy`	A data frame with formatting definitions.

Value

A great table!

Examples

```
example_spreadsheet <- system.file("extdata/rodentsheet.xlsx", package = "forgts")
sprdsht_data <- readxl::read_excel(example_spreadsheet)
gt_table <- gt::gt(sprdsht_data)
format_long <- get_formatting(example_spreadsheet)
format_ready <- translate_defs(format_long)
apply_styling(gt_table, format_ready)
```

`forgts` *Creat gt from spreadsheet*

Description

Wrapper. Reads a spreadsheet file including most formatting information and creates a formatted gt table with the same data and formatting.

Usage

```
forgts(file, sheet = NULL)
```

Arguments

file	Path to a spreadsheet.
sheet	A character string with the name of a sheet within a workbook, or an integer with the position of the sheet. Defaults to the first sheet if left unspecified.

Value

A great table!

Examples

```
example_spreadsheet <- system.file("extdata/rodentsheet.xlsx", package = "forgts")
forgts(example_spreadsheet)
```

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get_formatting *Get Spreadsheet Formatting*

Description

Extracts formatting information from a spreadsheet.

Usage

```
get_formatting(xlfilepath, sheet = NULL)
```

Arguments

xlfilepath	A character string specifying the path to the spreadsheet.
sheet	A character string with the name of a sheet within a workbook, or an integer with the position of the sheet. Defaults to the first sheet if left unspecified.

Value

A data frame or list with parsed formatting information.

Examples

```
example_file <- system.file("extdata/rodentsheet.xlsx", package = "forgts")
get_formatting(example_file)
```

rodentsheet.xlsx *rodentsheet.xlsx spreadsheet*

Description

Open XML Format Spreadsheet with 1 sheet, 5 columns, and 8 rows. Toy dataset with data on measurements for rodent specimens, extracted from Verde Arregoitia et al. (2017; doi:10.5281/zenodo.201147). Cells and cell content have formatting added at random for demonstration purposes.

target_var_fmt *Colwise formatting*

Description

Colwise formatting

Usage

```
target_var_fmt(format_joined, spsheet, col_name)
```

Arguments

format_joined	A data frame produced internally by get_formatting
spsheet	Data frame version of spraedsheet.
col_name	Variable to operate on.

Value

Modified data frame in long format.

translate_defs *Translate Formatting Definitions*

Description

Convert formatting information into arguments that can be used by gt.

Usage

```
translate_defs(format_long)
```

Arguments

format_long	Data frame produced by get_formatting containing raw formatting information.

Value

A data frame with formatting information compatible with gt.

Examples

```
example_spreadsheet <- system.file("extdata/rodentsheet.xlsx", package = "forgts")
format_long <- get_formatting(example_spreadsheet)
translate_defs(format_long)
```

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