Package ‘xlutils3’

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Type Package
Title Extract Multiple Excel Files at Once
Version 0.1.0
Imports magrittr, readxl
Suggests testthat
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Description Extract Excel files from folder.
Also display extracted data and compute a summary of it.
Based on the 'readxl' package.
License GPL-3
LazyData TRUE
RoxygenNote 5.0.1.9000
NeedsCompilation no
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extract_excel

A function that extracts all .xls[x] files in a folder

Description

Store all data in one list of lists (ie one list of workbooks, each workbook is a list of sheets, each sheet is a dataframe (or an error message if applicable))

Usage

extract_excel(folder, general_case = NULL, weird_cases = NULL)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>folder</td>
<td>Path to folder</td>
</tr>
<tr>
<td>general_case</td>
<td>Args to be passed to readxl::read_excel for all sheets of all workbooks. Defaults to NULL.</td>
</tr>
<tr>
<td>weird_cases</td>
<td>Args to be passed to readxl::read_excel for specific sheets. Overwrites general_case. Defaults to NULL. See Details.</td>
</tr>
</tbody>
</table>

Details

general_case is one flat list of args (lines to skip and the like) to be passed to readxl::read_excel for all sheets of all workbooks. weird_cases is a nested list of such args for known specific cases. It is recommended you try to read the data without these argument at first, and then make adjustments according to outputs. The nested structure of weird_cases is wb (basename of Excel file) then sheet (name of a sheet) then args. See Examples. You may specify neither or one or both. If you specify both, general_cases is used and weird_cases overwrites it only where applicable.

Value

data A list of workbooks, each is a list of sheets as dataframes

Examples

```r
## Not run:
# Where your Excel files are located
folder <- "./excel data/

# First try without parameters
data_ <- extract_excel(folder)

# View all data
view_excel(data_)

# Second try with adjustments where things went wrong
weird_cases <- list(
  "first workbook.xls" = list(
```
summary_excel

```r
"sheet2" = list(skip = 3),
"sheet3" = list(skip = 2)
),
"wb2.xlsx" = list(
  "tab2" = list(skip = 3, col_names = FALSE)
)
)
data_ <- extract_excel(folder, weird_cases)

## End(Not run)
```

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**summary_excel**  
*Summarize Output of extract_excel*

**Description**  
Summarize Output of extract_excel

**Usage**  

```r
summary_excel(data_)
```

**Arguments**  
- `data_`  
  A list of list of dataframes, as returned by `extract_excel`

**Value**  
A dataframe that summarizes extracted Excel data

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**view_excel**  
*View the Output of extract_excel*

**Description**  
A wrapper for `View`

**Usage**  

```r
view_excel(data_)
```

**Arguments**  
- `data_`  
  A list of list of dataframes, as returned by `extract_excel`

**Details**  
View all dataframes stored in the output of `extract_excel` at once.
Value

Returns NULL invisibly.
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