

Package ‘xlutils3’

October 14, 2022

Type Package

Title Extract Multiple Excel Files at Once

Version 0.1.0

Imports magrittr, readxl

Suggests testthat

Maintainer Aurele Morvan <aurele@saagie.com>

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

Author Aurele Morvan [aut, cre]

Repository CRAN

Date/Publication 2016-08-31 20:47:37

R topics documented:

extract_excel	2
summary_excel	3
view_excel	3

Index	5
--------------	----------

extract_excel	<i>A function that extracts all .xls[x] files in a folder</i>
---------------	---

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

folder	Path to folder
general_case	Args to be passed to <code>readxl::read_excel</code> for all sheets of all workbooks. Defaults to NULL.
weird_cases	Args to be passed to <code>readxl::read_excel</code> for specific sheets. Overwrites <code>general_case</code> . Defaults to NULL. See Details .

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. `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

```
## 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(
```

```

    "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)

```

summary_excel	<i>Summarize Output of extract_excel</i>
---------------	--

Description

Summarize Output of extract_excel

Usage

```
summary_excel(data_)
```

Arguments

data_ A list of list of dataframes, as returned by [extract_excel](#)

Value

A dataframe that summarizes extracted Excel data

view_excel	<i>View the Output of extract_excel</i>
------------	---

Description

A wrapper for ‘View‘

Usage

```
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.

Index

`extract_excel`, [2](#), [3](#)

`summary_excel`, [3](#)

`view_excel`, [3](#)