Package 'readODS'

July 10, 2020

Type Package

Title Read and Write ODS Files

Version 1.7.0

Date 2020-06-22

Author Gerrit-Jan Schutten, Chung-hong Chan, Thomas J. Leeper, John Foster, and other contributors

Maintainer Chung-hong Chan <chainsawtiney@gmail.com>

Contact <https://github.com/chainsawriot/readODS/>

Description Import ODS (OpenDocument Spreadsheet) into R as a data frame. Also support writing data frame into ODS file.

Imports xml2 (>= 1.3.2), cellranger, readr (>= 1.2.1), stringi, utils

Suggests dplyr, testthat, datasets, covr, knitr, rmarkdown

License GPL-3

RoxygenNote 7.1.1

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

Date/Publication 2020-07-10 10:20:06 UTC

R topics documented:

---

get_num_sheets_in_ods   *get the number of sheets in an ods file*

Description

get the number of sheets in an ods file

Usage

```
get_num_sheets_in_ods(path)

getNrOfSheetsInODS(path)
```

Arguments

path   path to the ods file

Value

Number of sheets

Author(s)

Chung-hong Chan chainsawtiney@gmail.com, Gerrit-Jan Schutten phonixor@gmail.com

See Also

use read_ods to read the data

---

list_ods_sheets   *List all sheets in an ods file.*

Description

List all sheets in an ods file.

Usage

```
list_ods_sheets(path)

ods_sheets(path)
```

Arguments

path   Path to the ods file

Value

A character vector of sheet names.

---

read_ods	*read data from ods files*

Description

read_ods is a function to read a single sheet from an ods file and return a data frame. read.ods always returns a list of data frames with one data frame per sheet. This is a wrapper to read_ods for backward compatibility with previous version of readODS. Please use read_ods if possible.

Usage

```
read_ods(
  path = NULL,
  sheet = 1,
  col_names = TRUE,
  col_types = NULL,
  na = "",
  skip = 0,
  formula_as_formula = FALSE,
  range = NULL,
  row_names = FALSE,
  strings_as_factors = FALSE,
  verbose = FALSE
)

read.ods(file = NULL, sheet = NULL, formulaAsFormula = FALSE)
```

Arguments

path	path to the ods file.
sheet	sheet to read. Either a string (the sheet name), or an integer sheet number. The default is 1.
col_names	indicating whether the file contains the names of the variables as its first line.
col_types	Either NULL to guess from the spreadsheet or refer to readr::type_convert to specify cols specification. NA will return a data frame with all columns being "characters".
na	Character vector of strings to use for missing values. By default read_ods converts blank cells to missing data.
skip	the number of lines of the data file to skip before beginning to read data.
formula_as_formula	
	a switch to display formulas as formulas "SUM(A1:A3)" or as the resulting value "3"... or "8"..

range	selection of rectangle using Excel-like cell range, such as range = ″D12:F15″ or range = ″R1C12:R6C15″. Cell range processing is handled by the [cellranger](#) package.
row_names	indicating whether the file contains the names of the rows as its first column
strings_as_factors	logical, if character columns to be converted to factors.
verbose	logical, if messages should be displayed.
file	for read.ods only, path to the ods file.
formulaAsFormula	for read.ods only, a switch to display formulas as formulas "SUM(A1:A3)" or as the resulting value "3"... or "8"..

Value

A data frame (`data.frame`) containing a representation of data in the ods file.

Note

Currently, ods files that linked to external data source cannot be read. Merged cells cannot be parsed correctly.

Author(s)

Chung-hong Chan chainsawtiney@gmail.com, Gerrit-Jan Schutten phonixor@gmail.com

---

write_ods	*write data to ods file*

Description

Function to write a single data.frame to an ods file.

Usage

```
write_ods(
  x,
  path,
  sheet = "Sheet1",
  append = FALSE,
  update = FALSE,
  row_names = FALSE,
  col_names = TRUE,
  verbose = FALSE,
  overwrite = NULL
)
```

Arguments

x	a data.frame
path	Path to the ods file to write
sheet	Name of the sheet
append	logical, TRUE indicates that x should be appended to the existing file (path) as a new sheet. If a sheet with the same sheet_name exists, an exception is thrown. See update.
update	logical, TRUE indicates that the sheet with sheet_name in the existing file (path) should be updated with the content of x. If a sheet with sheet_name does not exist, an exception is thrown.
row_names	logical, TRUE indicates that row names of x are to be included in the sheet
col_names	logical, TRUE indicates that column names of x are to be included in the sheet
verbose	logical, if messages should be displayed
overwrite	logical, depreciated.

Value

the value of `path` invisibly.

Author(s)

Thomas J. Leeper thosjleeper@gmail.com, John Foster john.x.foster@nab.com.au, Chung-hong Chan chainsawtiney@gmail.com

Index