

Package: tablexlsx (via r-universe)

August 26, 2024

Type Package

Title Export Data Frames to Excel Workbook

Version 1.0.0

Description Collection of functions that allow to export data frames to excel workbook.

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Encoding UTF-8

LazyData true

URL <https://ddotta.github.io/tablexlsx/>,
<https://github.com/ddotta/tablexlsx>

BugReports <https://github.com/ddotta/tablexlsx/issues>

RoxygenNote 7.2.3

Depends R (>= 2.10)

Suggests rmarkdown, knitr, testthat (>= 3.0.0)

Config/testthat/edition 3

Imports magrittr, methods, openxlsx, cli

VignetteBuilder knitr

Repository <https://ddotta.r-universe.dev>

RemoteUrl <https://github.com/ddotta/tablexlsx>

RemoteRef HEAD

RemoteSha 3d9074c4c904e37403886fdc18a98a0804bba66f

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add_table *Function that adds a data frame to an (existing) .xlsx workbook sheet*

Description

Function that adds a data frame to an (existing) .xlsx workbook sheet

Usage

```
add_table(
  Table,
  WbTitle,
  SheetTitle,
  TableTitle,
  StartRow = 1,
  StartCol = 1,
  FormatList = list(),
  HeightTableTitle = 2,
  TableFootnote1 = "",
  TableFootnote2 = "",
  TableFootnote3 = "",
  MergeCol = character(0),
  ByGroup = character(0),
  GroupName = FALSE,
  asTable = FALSE
)
```

Arguments

Table	: data frame to be exported to the workbook sheet
WbTitle	: workbook
SheetTitle	: string used for the sheet's name
TableTitle	: string used for the data frame's title
StartRow	: export start line number in the sheet (by default 1)
StartCol	: export start column number in the sheet (by default 1)
FormatList	: list that indicates the format of each column of the data frame
HeightTableTitle	: multiplier (if needed) for the height of the title line (by default 2)
TableFootnote1	: string for TableFootnote1
TableFootnote2	: string for TableFootnote2
TableFootnote3	: string for TableFootnote3
MergeCol	: character vector that indicates the columns for which to merge the modalities
ByGroup	character vector indicating the name of the columns by which to group
GroupName	boolean indicating whether the name of the grouping variable should be written
asTable	logical indicating if data should be written as an Excel Table (FALSE by default)

Value

excel wb object

style	<i>An R list that contains the styles of each element for formatting data frames in excel files</i>
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Description

An R list that contains the styles of each element for formatting data frames in excel files

Usage

```
style
```

Format

A list of several items

title Style for title

footnote1 Style for footnote1

footnote2 Style for footnote2

footnote3 Style for footnote3

col_header Style for col_header

character Style for columns in character format

number Style for columns in number format

decimal Style for columns in character format with decimals

percent Style for columns in percent format

toxlsx	<i>Convert R data frames to excel files</i>
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Description

This function allows you to write R data frames given in the 'object' argument to excel files located in the 'path' directory. The function takes several arguments but the only two required are 'object' and 'path'.

See examples gallery : <<https://ddotta.github.io/tablexlsx/articles/aa-examples.html>>

Usage

```

toxlsx(
  object,
  path,
  tosheet = list(),
  title = list(),
  columnstyle = list(default = NULL),
  footnote1 = list(),
  footnote2 = list(),
  footnote3 = list(),
  mergecol = NULL,
  bygroup = list(),
  groupname = FALSE,
  filename = "Export",
  asTable = FALSE,
  automaticopen = FALSE
)

```

Arguments

object	data.frame to be converted to excel
path	path to save excel file (either a directory name or a file name with full path)
tosheet	list of sheet names for each element of object. If omitted, sheets are named by default "Sheet 1", "Sheet 2"...
title	list of title for each element of object If omitted, title takes the name of the dataframe in 'object'
columnstyle	list of style for columns of each element of object Only useful if you want to customise the style of each column '
footnote1	list of footnote1 for each element of object If omitted, no footnote1
footnote2	list of footnote2 for each element of object If omitted, no footnote2
footnote3	list of footnote3 for each element of object If omitted, no footnote3
mergecol	list of character vectors that indicate the columns for which we want to merge the modalities
bygroup	list of character vectors indicating the names of the columns by which to group
groupname	list of booleans indicating whether the names of the grouping variables should be written
filename	name for the excel file ("Export" by default). Ignored if 'path' is a file name.
asTable	logical indicating if data should be written as an Excel Table (FALSE by default)
automaticopen	logical indicating if excel file should open automatically (FALSE by default)

Value

an excel file

Examples

```
# Simply export a data frame to an xlsx file
# For more examples, see examples gallery :
# https://ddotta.github.io/tablexlsx/articles/aa-examples.html
## Not run:
toxlsx(object = iris, path = tempdir())

## End(Not run)
```

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