

# Package ‘tablexlsx’

February 14, 2023

**Type** Package

**Title** Export Data Frames to Excel Workbook

**Version** 0.1.0

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

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

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

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

**RoxygenNote** 7.2.2

**Depends** R (>= 2.10)

**Suggests** rmarkdown, knitr, testthat (>= 3.0.0)

**Config/testthat/edition** 3

**Imports** magrittr, dplyr, methods, openxlsx

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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

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**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 = list(),  
  TableFootnote2 = list(),  
  TableFootnote3 = list()  
)
```

**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

**Value**

excel wb object

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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

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

```

**Arguments**

object	data.frame to be converted to excel
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	character vector that indicates the columns for which we want to merge the modalities
path	path to save excel file
filename	name for the excel file ("Export" 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
toxlsx(object = iris, path = tempdir())

```

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