

# Package ‘tablaxlsx’

May 27, 2017

**Title** Write Formatted Tables in Excel Workbooks

**Version** 1.2.2

**Date** 2017-05-27

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**Description** Some functions are included in this package for writing tables in Excel format suitable for distribution.

**Depends** R (>= 3.2),openxlsx

**License** GPL-3

**LazyData** true

**Encoding** latin1

**NeedsCompilation** no

**Repository** CRAN

**Date/Publication** 2017-05-27 16:55:43 UTC

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 bordear

*Draw borders an area in an Excel sheet*


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### Description

Draw borders an area in an Excel sheet, with the characteristics indicated in the parameters

### Usage

```
bordear(wb, hoja, fila = 1, columna = 1, ancho = 1, alto = 1,
        estilo = createStyle(border = "topleftbottomright",
                             borderStyle = "double", borderColour = "blue4"))
```

### Arguments

wb	An object of Workbook class
hoja	The name, if it is a text, or the position, if it is numeric, of the sheet
fila	The row of the upper-left corner of the area
columna	The column of the upper-left corner of the area
ancho	The number of cells in the width of the area
alto	The number of cells in the height of the area
estilo	The border style. It must be an object of class Style, and he border styles are used

### Details

Of the parameter estilo is used: border, borderColour and borderStyle. The last two can be vectors, in such a way that each feature is applied to the corresponding edge, according to the order established in border

### See Also

[createStyle](#)

### Examples

```
## Example
require(openxlsx)
wb=createWorkbook()
addWorksheet(wb,"Primera")
bordear(wb,"Primera",3,2,5,4)
##openXL(wb)

## Otro ejemplo
wb=createWorkbook()
addWorksheet(wb,"Primera")
bordear(wb,"Primera",3,2,5,4,
```

```
estilo=createStyle(border="bottomtop",borderColour=c("red","blue"),
borderStyle=c("double","thin"))
##openXL(wb)
```

escribirTabla *Write a matrix or data.frame with styles in a sheet of a excel workbook*

### Description

Write a matrix or data.frame with format in a sheet of a excel workbook, In the position and styles indicated in the parameters

### Usage

```
escribirTabla(tabla, wb=NULL,hoja=NULL,fichero=NULL,
limpiarFilas=TRUE,limpiarColumnas=TRUE,limpiarValores=NA,
cabecera = "", fuente = "", notas = "",
fila = 7, columna = 3, decimales = 1, porcentaje = FALSE,
cabecerasFila = TRUE, cabecerasColumna = TRUE,
cabeceraFilas="",cabeceraColumnas="",
anchoCabecera = 10,anchoDatos = 14,
escudo = NULL,posEscudo=c(1,1),
tamEscudo=c(2.7,4.5),unidadesEscudo="cm",
estilos=options("tablxlsx.Estilos")[[1]],
bordes = c("TABLA","CABECERA","CABECERASFILA","CABECERASCOLUMNA","DATOS"),
estilosBordes = NULL)
```

### Arguments

tabla	The matrix, data.frame or ftable to write
wb	The Workbook. If NULL is created
hoja	The name o position of Worksheet. If it does not exist or is NULL is created
fichero	The name of a file where the Workbook is saved. If NULL it is not saved
limpiarFilas	If it is TRUE are deleted rows in which all values are in limpiarValores
limpiarColumnas	If it is TRUE are deleted columns in which all values are in limpiarValores
limpiarValores	Values used for cleaning
cabecera	A text to be written in the header of the table
fuentes	A text that is written at the end of the table
notas	One or more texts to write after the fuentes
fila	The row of tht upper-left cell where the table will be written
columna	The column of tht upper-left cell where the table will be written

decimales	Number of decimal places that are written with the numerical data. It can be a vector, in which case it is applied successively to each column, recycling the values if necessary
porcentaje	If the data is given percentage format or not. It may be a vector, in which case it is applied successively to each column, recycling values if required
cabecerasFila	If you write or not the rows headers, which will be the names of the rows of the matrix or the corresponding elements of a ftable
cabecerasColumna	If you write or not the columns headers, which will be the names of the rows of the matrix or the corresponding elements of a ftable
cabeceraFilas	Text to write above the row's headers
cabeceraColumnas	Text to write above the row's headers
anchoCabecera	The width, in characters, of the columns of the row header
anchoDatos	The width, in characters, of the data columns
escudo	If it is NULL does not any figure, if it is a text is inserted the figure that is in the file
posEscudo	Position, row and column, of the figure, if escudo is not NULL
tamEscudo	A vector with Height and Width of the figure
unidadesEscudo	Units of the height of the image. By default "cm"
estilos	A list with the styles to apply to the various elements of the table.
bordes	A vector with the names of the elements in the table will be to surround with edges, the possible values are: CABECERA, CABECERASFILA, CABECERAS-COLUMNA, DATOS, TABLA (the entire table)
estilosBordes	A list with the styles of the various edges. Each item will be called with one of the possible names on bordes.

### Details

Edges are drawn in the order: CABECERA,CABECERASFILA,CABECERASCOLUMNA,DATOS,TABLA

### Value

If it have created a Workbook returns the Workbook created, otherwise returns a vector with the row and column of the lower-right cell of the table with notes and source in the worksheet and the lower-right cell of the table only.

### See Also

[createStyle](#)

**Examples**

```
## Example 1
matriz=matrix(runif(20),4,5)
wb=createWorkbook()
hoja=addWorksheet(wb,"Prueba")
escribirTabla(matriz,wb,hoja,fila=4,columna=4)
if(interactive()) openXL(wb)

# Example 2
f1=ftable(mtcars[,c(2,8:11)],col.vars=3:4)
wb=escribirTabla(f1,estilos=estilosDGE,bordes=c("TABLA","DATOS"),
                escudo=system.file("img/logoJMR.png",package="tablxlsx"))
l1=escribirTabla(f1,wb,"otra",anchoCabecera=20,estilos=estilosDGE,bordes=c("TABLA","DATOS"),
                escudo=system.file("img/logoJMR.png",package="tablxlsx"),
                posEscudo=c(2,2),tamEscudo=c(1,1))
if(interactive()) openXL(wb)
```

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 estilosDGE

*An example of styles for to use*


---

**Description**

Styles's list of example

**Usage**

```
data("estilosDGE")
```

**Format**

Styles's list of example

**Examples**

```
data(estilosDGE)
```

---

 estilosDGPYE

*An example of styles for to use*


---

**Description**

Style's list of example

**Usage**

```
data("estilosDGPYE")
```

**Format**

Styles's list of example

**Examples**

```
data(estilosDGPYE)
```

---

reducir	<i>Reduce a matrix, ftable or data.frame</i>
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**Description**

Reduce the matrix, ftable o data.frame suppressing rows or columns whose elements are all equal to one of the values of valores.

**Usage**

```
reducir(x, valores=NA, filas=TRUE, columnas=TRUE)
```

**Arguments**

x	Matrix, ftable or data.frame
valores	Vector values to compare
filas	If TRUE (default) the rows with all values in valores will be deleted
columnas	If TRUE (default) the columns with all values in valores will be deleted

**Value**

Returns a matrix or data.frame without the rows o columns with all values equals to a value from the valores. If x is a ftable returns an array with two attributes, cabColumna and cabFila which contain an array of header rows and columns.

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tablxlsx.estilos.set	<i>Write a matrix or data.frame with styles in a sheet of a excel workbook</i>
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**Description**

Puts the styles used by default in escribirTabla

**Usage**

```
tablxlsx.estilos.set(estilos.defecto)
```

**Arguments**

`estilos.defecto`  
The list of styles to use by default in `escribirTabla`

**Details**

Puts the list `estilos.defecto` in the `tablaxlsx.Estilos` option for use by default in `escribirTabla`.

**See Also**

[escribirTabla](#), [createStyle](#) and [estilosDGE](#)

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<code>trim</code>	<i>It removes the spaces from the beginning or end of a text</i>
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**Description**

Returns a text or a vector of texts as the of the parameter but no spaces at the end or at the beginning of each text

**Usage**

```
trim(x)
```

**Arguments**

`x` Text o vector of texts

**Value**

text or a vector of texts as the of the parameter but no spaces at the end or at the beginning of each text

**Examples**

```
## Example  
texto=trim(" Esto es una prueba ")
```

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`verXL`*Show in excel a matrix or data.frame*

---

**Description**

Show in excel a matrix or data.frame

**Usage**

```
verXL(tabla,...)
```

**Arguments**

<code>tabla</code>	Matrix, data.frame or any object that can handle <code>escribirTabla</code>
<code>...</code>	parameters of <code>escribirTabla</code>

**Examples**

```
## Example  
## Not run:  
  verXL(iris, fila=1, columna=1)  
  
## End(Not run)
```



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