

# Package ‘writexl’

February 9, 2024

**Type** Package

**Title** Export Data Frames to Excel 'xlsx' Format

**Version** 1.5.0

**Description** Zero-dependency data frame to xlsx exporter based on 'libxlsxwriter'.  
Fast and no Java or Excel required.

**License** BSD\_2\_clause + file LICENSE

**Encoding** UTF-8

**URL** <https://docs.ropensci.org/writexl/> (website)

<https://github.com/ropensci/writexl> (devel)

<https://libxlsxwriter.github.io> (upstream)

**BugReports** <https://github.com/ropensci/writexl/issues>

**RoxygenNote** 7.0.2

**Suggests** spelling, readxl, nycflights13, testthat, bit64

**Language** en-US

**SystemRequirements** zlib

**NeedsCompilation** yes

**Author** Jeroen Ooms [aut, cre] (<<https://orcid.org/0000-0002-4035-0289>>),  
John McNamara [cph] (Author of libxlsxwriter (see AUTHORS and COPYRIGHT  
files for details))

**Maintainer** Jeroen Ooms <jeroen@berkeley.edu>

**Repository** CRAN

**Date/Publication** 2024-02-09 15:50:02 UTC

## R topics documented:

lxw_version . . . . .	2
write_xlsx . . . . .	2
xl_formula . . . . .	3

<b>Index</b>	<b>4</b>
--------------	----------

---

lxw_version	<i>Version</i>
-------------	----------------

---

**Description**

Shows version of bundled libxlsxwriter.

**Usage**

```
lxw_version()
```

---

write_xlsx	<i>Export to xlsx</i>
------------	-----------------------

---

**Description**

Writes a data frame to an xlsx file. To create an xlsx with (multiple) named sheets, simply set `x` to a named list of data frames.

**Usage**

```
write_xlsx(  
  x,  
  path = tempfile(fileext = ".xlsx"),  
  col_names = TRUE,  
  format_headers = TRUE,  
  use_zip64 = FALSE  
)
```

**Arguments**

<code>x</code>	data frame or named list of data frames that will be sheets in the xlsx
<code>path</code>	a file name to write to
<code>col_names</code>	write column names at the top of the file?
<code>format_headers</code>	make the <code>col_names</code> in the xlsx centered and bold
<code>use_zip64</code>	use <a href="#">zip64</a> to enable support for 4GB+ xlsx files. Not all platforms can read this.

**Details**

Currently supports strings, numbers, booleans and dates. Formatting options may be added in future versions.

**Examples**

```
# Roundtrip example with single excel sheet named 'mysheet'  
tmp <- write_xlsx(list(mysheet = iris))  
readxl::read_xlsx(tmp)
```

---

`xl_formula`*Excel Types*

---

**Description**

Create special column types to write to a spreadsheet

**Usage**

```
xl_formula(x)
```

```
xl_hyperlink(url, name = NULL)
```

**Arguments**

<code>x</code>	character vector to be interpreted as formula
<code>url</code>	character vector of URLs
<code>name</code>	character vector of friendly names

**Examples**

```
df <- data.frame(
  name = c("UCLA", "Berkeley", "Jeroen"),
  founded = c(1919, 1868, 2030),
  website = xl_hyperlink(c("http://www.ucla.edu", "http://www.berkeley.edu", NA), "homepage")
)
df$age <- xl_formula('=(YEAR(TODAY()) - INDIRECT("B" & ROW()))')
write_xlsx(df, 'universities.xlsx')

# cleanup
unlink('universities.xlsx')
```

# Index

\* **writexl**

xl\_formula, 3

lxw\_version, 2

write\_xlsx, 2

writexl(write\_xlsx), 2

xl\_formula, 3

xl\_hyperlink(xl\_formula), 3