

# Package ‘readODS’

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**Type** Package

**Title** Read and Write ODS Files

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**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 (>= 1.0.0), cellranger, readr

**Suggests** dplyr, testthat, datasets

**License** GPL-3

**RoxygenNote** 5.0.1

**NeedsCompilation** no

**Repository** CRAN

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get\_num\_sheet\_in\_ods *get the number of sheets in an ods file*

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**Description**

get the number of sheets in an ods file

**Usage**

get\_num\_sheet\_in\_ods(file)

getNrOfSheetsInODS(file)

**Arguments**

file                    the name of the ods file

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**See Also**

use [read\\_ods](#) to read the data

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ods\_sheets                    *List all sheets in an ods file.*

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**Description**

List all sheets in an ods file.

**Usage**

ods\_sheets(path)

**Arguments**

path                    Path to the ods file

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read_ods	<i>read data from ods files</i>
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### Description

read\_ods is a function to read a single sheet from a ods file and return a data frame. read.ods always return 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)
```

```
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	Missing value. 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 <a href="#">cellranger</a> package.
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)**

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write\_ods

*write data to ods file*

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**Description**

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

**Usage**

```
write_ods(x, path)
```

**Arguments**

x                    a data.frame  
path                Path to the ods file to write.

**Value**

the value of path invisibly.

**Author(s)**

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