Package 'csv'

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Type Package

Title Read and Write CSV Files with Selected Conventions

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Description Reads and writes CSV with selected conventions.
Uses the same generic function for reading and writing to promote consistent formats.

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Imports data.table, stringi

RoxygenNote 7.1.1

NeedsCompilation no

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Contents

`as.csv` *Read or Write CSV Using Selected Conventions*

Description

Reads or writes CSV files in a conventional way. Generic, with methods for character and data.frame. A length-one character argument is treated as a filepath and tries to return a data.frame. A data.frame argument is written to the specified filepath. Typically, `quote` and `row.names` are FALSE and `na` is ".". When reading, white space and empty strings are treated as NA, and `strip.white` is TRUE. When writing, values with commas or double-quotes are double-quoted (and embedded double-quotes are doubled).

Usage

```
as.csv(x, ...)
```

Arguments

x	object
...	passed arguments

See Also

as.csv.character, as.csv.data.frame

Other as.csv: as.csv.character(), as.csv.data.frame()

Examples

```
data <- head(Theoph)
filepath <- file.path(tempdir(),'theoph.csv')
as.csv(data,filepath)
as.csv(filepath)
```

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as.csv.character *Treat Character as CSV filename.*

Description

Treat a character string as a CSV filename.

Usage

```
## S3 method for class 'character'
as.csv(
  x,
  as.is = TRUE,
  na.strings = c("", "\\s", ".", "NA"),
  strip.white = TRUE,
  check.names = FALSE,
  source = getOption("csv_source", TRUE),
  ...
)
```

Arguments

x	character file path
as.is	passed to read.csv
na.strings	passed to read.csv
strip.white	passed to read.csv

check.names	passed to read.csv
source	whether to assign x as the source attribute of the return value
...	passed to read.csv if accepted by read.table

Details

If x is character, is length one, and is a path to a file, an attempt is made to read the file.

Value

data.frame, with attribute 'source' set to x

See Also

Other as.csv: as.csv.data.frame(), as.csv()

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as.csv.data.frame *Save a Data Frame as CSV.*

Description

Saves a data.frame as CSV, using selected conventions.

Usage

```
## S3 method for class 'data.frame'
as.csv(x, file, na = ".", quote = FALSE, auto = !quote, row.names = FALSE, ...)
```

Arguments

x	data.frame
file	passed to write.csv
na	passed to write.csv
quote	passed to write.csv
auto	double-quote column names and row values with embedded commas or double-quotes; the latter are escaped by doubling them
row.names	passed to write.csv
...	passed to write.csv if accepted by write.table

Value

invisible data.frame (x)

See Also

Other as.csv: as.csv.character(), as.csv()

Examples

```
x <- data.frame(
  check.names = FALSE,
  stringsAsFactors = TRUE,
  person = 1:3,
  `name, suffix` = c("Bill Smith", 'Joseph "Joe" Hancock', "Mary Laguire, DDS")
)
file <- tempfile()
as.csv(x,file)
y <- as.csv(file,as.is=FALSE)
attr(y,'source')
attr(y,'source') <- NULL
x
y
stopifnot(identical(x,y))
```

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