

Package ‘csvy’

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Type Package

Title Import and Export CSV Data with a YAML Metadata Header

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Description

Support for import from and export to the CSVY file format. CSVY is a file format that combines the simplicity of CSV (comma-separated values) with the metadata of other plain text and binary formats (JSON, XML, Stata, etc.) by placing a YAML header on top of a regular CSV.

Imports utils, yaml

Suggests data.table, readr, testthat, datasets

License GPL-2

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NeedsCompilation no

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 csvy

Import and Export CSV Data With a YAML Metadata Header

Description

CSVY is a file format that combines the simplicity of CSV (comma-separated values) with the metadata of other plain text and binary formats (JSON, XML, Stata, etc.). The **CSVY file specification** is simple: place a YAML header on top of a regular CSV. The csvy package implements this format using two functions: `write_csvy` and `read_csvy`.

 read_csvy

Import CSVY data

Description

Import CSVY data as a data.frame

Usage

```
read_csvy(file, sep = ",", dec = ".", header = "auto",
  stringsAsFactors = FALSE, method = c("utils", "data.table", "readr"), ...)
```

Arguments

file	A character string or R connection specifying a file.
sep	A character string specifying a between-field separator. Passed to <code>read.csv</code> or <code>fread</code> depending on the value of method. Ignored for method = 'readr'.
dec	A character string specifying a within-field separator. Passed to <code>read.csv</code> or <code>fread</code> depending on the value of method. Ignored for method = 'readr'.
header	A character string or logical specifying whether the file contains a header row of column names (below the YAML frontmatter). Passed to <code>read.csv</code> , <code>fread</code> , or <code>read_csv</code> depending on the value of method.
stringsAsFactors	A logical specifying whether to treat character columns as factors. Passed to <code>read.csv</code> or <code>fread</code> depending on the value of method. Ignored for method = 'readr' which never returns factors.
method	A character string specifying which package to use to read in the CSV data. Must be on of "utils" (for <code>read.csv</code>), "data.table" (for <code>fread</code>), or "readr" (for <code>read_csv</code>).
...	Additional arguments passed to <code>read.csv</code> , <code>fread</code> , or <code>read_csv</code> depending on the value of method.

See Also[write_csvy](#)**Examples**

```
read_csvy(system.file("examples", "example3.csvy", package = "csvy"))
```

write_csvy	<i>Export CSVY data</i>
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Description

Export data.frame to CSVY

Usage

```
write_csvy(x, file = "", sep = ",", sep2 = ".", comment_header = TRUE,  
  ...)
```

Arguments

x	A data.frame.
file	A character string or R connection specifying a file.
sep	A character string specifying a between-field separator. Passed to write.table .
sep2	A character string specifying a within-field separator. Passed to write.table .
comment_header	A logical indicating whether to comment the lines containing the YAML front matter. Default is TRUE.
...	Additional arguments passed to write.table .

See Also[write_csvy](#)**Examples**

```
library("datasets")  
write_csvy(head(iris))  
  
# write yaml w/o comment charaters  
write_csvy(head(iris), comment_header = FALSE)
```

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