

Package ‘sas7bdat’

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Type Package

Title sas7bdat Reverse Engineering Documentation

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Description

Documentation and prototypes for the earliest (circa 2010) open-source effort to reverse engineer the sas7bdat file format. The package includes a prototype reader for sas7bdat files. However, newer packages (notably the haven package) contain more robust readers for sas7bdat files.

Depends R (>= 2.10)

Suggests haven

License GPL (>= 2)

LazyLoad yes

NeedsCompilation no

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read.sas7bdat	<i>SAS Database Reader (experimental)</i>
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Description

Read SAS files in the sas7bdat data format.

Usage

```
read.sas7bdat(file, encoding="", debug=FALSE)
```

Arguments

file	character: Path to a file or an URL.
encoding	character: Character encoding for strings
debug	logical: Save function environment as attribute of returned object.

Value

A data frame corresponding to the SAS database. The returned data frame has an `column.info` attribute and other attributes that contain additional information about each field in the data frame, respectively. The `column.info` attribute is a list of lists, containing each of the following:

name	The field name
offset	The field offset in packed binary row data (bytes)
length	The field length (bytes)
type	The field type, either 'character' or 'numeric'

When the database specifies a field format and/or label, the following may also be present:

format	The field display format
label	The field label (usually a longer description)

Warning

The functionality in this package is EXPERIMENTAL. Use at your own risk. For the latest details, see the 'sas7bdat' vignette (*i.e.*, `vignette('sas7bdat')`).

Author(s)

Matt Shotwell

References

<http://biostatmatt.com/archives/tag/sas7bdat>

Examples

```
## see \code{data(sas7bdat.sources)}
```

Description

These data are a collection of internet resources for SAS database files in the sas7bdat format.

Usage

```
data(sas7bdat.sources)
```

Format

A data frame with records on the following fields:

filename character, the SAS database filename
accessed POSIXct, the date last retrieved
uncompressed numeric, file size (bytes)
gzip numeric, gzip compressed file size (bytes)
bzip2 numeric, bzip2 compressed file size (bytes)
xz numeric, xz compressed file size (bytes)
url character, the Universal Resource Locator
PKGversion character, the **sas7bdat** package version
message character, message returned by read.sas7bdat (if any)
SASrelease character, SAS release
SAShost character, SAS host platform
OSversion character, OS version
OSmaker character, OS maker
OSname character, OS name
endianness character, endianness of header fields
winunix character, platform type

Examples

```
data(sas7bdat.sources)
```

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