Package 'sss'

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Title Tools for importing files in the triple-s .(Standard Survey Structure) format

LazyData true

Description sss is a set of tools to import survey files in the .sss (triple-s) format. It provides the function read.sss that reads the .asc and .sss files of a triple-s survey data file. The package is experimental - feedback, issues and bug reports are welcome.

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Depends R (>= 2.11.0)

Imports methods, plyr, XML

Collate 'sss-package.R' 'internal-csv.R' 'internal-xml.R' 'read-fwf.R' 'read-sss.R'

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R topics documented:

`sss-package` *Tools for importing files in the triple-s .(Standard Survey Structure) format.*

Description

sss is a set of tools to import survey files in the .sss (triple-s) format. triple-s is a standard to transfer survey data between applications.

References

http://www.triple-s.org/

The most important exported function is: `read.sss`

`fast.read.fwf` *Read in fixed-width files quickly.*

Description

Experimental replacement for read.fwf that runs much faster. However, it is much less flexible than read.fwf.

Usage

```
fast.read.fwf(file, widths, col.names = NULL,
  colClasses = NA, tz = "", dec = ".", ...)
```

Arguments

`file`	Character vector: name of file
`widths`	Numeric vector: column widths. Negative numbers mean "skip this many columns". Use an NA as the final element if there are likely to be extra characters at the end of each row after the last one that you're interested in.
`col.names`	names for the columns that are NOT skipped
`colClasses`	can be used to control type conversion; see `read.table`. It is an optional vector whose names must be part of col.names. There is one extension of the `read.table` rules:a colClasses string starting `POSIXct`. will trigger automatic conversion to POSIXct, using the rest of the string as the format specifier.
`tz`	used in auto-conversion to `POSIXct` when `colClasses` is set
`dec`	the character to be assumed for decimal points. Passed to `type.convert`
`...`	ignored

`parseSSSmetadata` *Parses a triple-s XML (sss) metadata file, as specified by the triple-s XML standard.*

Description

This function reads and parses a .sss XML metadata file as well as its associated .asc data file. The .sss standard defines a standard survey structure

Usage

```
parseSSSmetadata(XMLdoc)
```

Arguments

`XMLdoc`	An XML document - as returned by `xml`, or `readSSSmetadata`

See Also

readSSSmetadata, read.sss, readSSSdata

`read.sss` *Reads a triple-s XML (asc) data file, as specified by the triple-s XML standard.*

Description

This function reads and parses a .sss XML metadata file as well as its associated .asc data file. The .sss standard defines a standard survey structure

Usage

```
read.sss(sssFilename, ascFilename, sep = "_")
```

Arguments

`sssFilename`	Character string: name of .sss file containing the survey metadata
`ascFilename`	Character string: name of .asc file containing survey data
`sep`	Character vector defining the string that separates question and subquestion labels, e.g. `c("Q_1", "Q_2")`

Value

A data frame with one element (column) for each variable in the data set. The data.frame contains several attributes:

variable.labels a named list of value labels with one element per variable, either NULL or a names character vector

References

http://www.triple-s.org/

Examples

```
# Not executed
# read.sss("sample.sss, sample.asc")
```

`readSSSdata` *Reads a triple-s XML (asc) data file, as specified by the triple-s XML standard.*

Description

This function reads and parses a .sss XML metadata file as well as its associated .asc data file. The .sss standard defines a standard survey structure

Usage

```
readSSSdata(ascFilename)
```

Arguments

`ascFilename`	Name of .asc file containing the survey metadata

See Also

`read.sss`, `readSSSmetadata`

Examples

```
# Not executed
# readSSSdata("sample.asc")
```

`readSSSmetadata` *Reads a triple-s XML (sss) metadata file, as specified by the triple-s XML standard.*

Description

This function reads a .sss XML metadata file. The .sss standard defines a standard survey structure

Usage

```
readSSSmetadata(SSSfilename)
```

Arguments

SSSfilename	Name of .sss file containing the survey metadata

See Also

parseSSSmetadata, read.sss, readSSSdata

Examples

```
# Not executed
# readSSSmetadata("sample.sss")
```

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