

Package ‘TSxls’

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Version 2013.8-2

Title TSdbi extension to connect to spreadsheets

Description Provides TSdbi package methods to retrieve time series data from spreadsheets, pretending the spreadsheet is a database.
Comprehensive examples of all the TS* packages is provided in the vignette Guide.pdf with the TSdata package.

Depends R (>= 2.8.0), TSdbi (>= 2011.11-1)

Imports methods, DBI, tframe, tframePlus, gdata

Suggests tfplot, zoo

BuildVignettes true

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NeedsCompilation no

Repository CRAN

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Description

Get a time series (matrix) from a spreadsheet.

Usage

```

xlsCall()
## S4 method for signature 'character,TSxlsConnection'
TSget(
  serIDs, con, TSrepresentation = options()$TSrepresentation,
  tf = NULL, start = tfstart(tf), end = tfend(tf), names=serIDs, ...)
## S4 method for signature 'xlsDriver,character'
TSconnect( drv, dbname,
  map=list(ids, data, dates, names=NULL, description=NULL, sheet=1,
  tsrepresentation = function(data,dates){zoo(data, as.Date(dates))}),
  ...)
## S4 method for signature 'character,TSxlsConnection'
TSdates(
  serIDs, con, vintage=NULL, panel=NULL, ... )
## S4 method for signature 'character,TSxlsConnection'
TSdescription(x, con, ... )
## S4 method for signature 'character,TSxlsConnection'
TSdoc(x, con, ... )
## S4 method for signature 'character,TSxlsConnection'
TSlabel(x, con, ... )
## S4 method for signature 'character,TSxlsConnection'
TSsource(x, con, ... )

## S4 method for signature 'TSxlsConnection'
dbDisconnect(conn,...)

```

Arguments

con	a database connection object.
conn	a database connection object.
serIDs	identifiers for series on the database.
vintage	character string indicating vintage of the series on the database (not supported by this database).
panel	character string indicating panel of the series on the database (not supported by this database).
x	time series data(TSput), or identifiers for series on the database (TSdoc and TSdescription).

sheet	optional integer to indicate the sheet of the workbook to use (default=1).
names	optional character vector to use for series names in the R object.
drv	a database driver object.
dbname	a character string indicating the name of a database.
tf	time frame for trimming data, passed to tfwindow.
start	time frame for trimming data, passed to tfwindow.
end	time frame for trimming data, passed to tfwindow.
TSrepresentation	time representation for returned series. (See TSget in package TSdbi .)
map	A list with elements indicating the location of data, serIDs, dates, and optional metadata (see Details).
...	Arguments currently unused.

Details

These functions interface to the spreadsheets (.xls) files. TSget is just a wrapper to read.xls to provide an interface that is consistent with **TSdbi**. The **TSdbi** function argument serId is passed as the series to return, dbname indicates the spreadsheets file. (See TSget in **TSdbi** for more details on how this works.)

TSxls does not support writing data to the source.

The classes xlsDriver and TSxlsConnection extend classes DBIDriver and DBIConnection in the DBI package.

See the package vignette for additional examples.

Value

Depends.

See Also

[TSdates](#), [TSget](#), [tfwindow](#),

Examples

```
require("tfplot")
if (require("TSxls")){
  con <- try(TSconnect("xls", dbname="OECD"))
  if(! inherits(con, "try-error")) {
    x <- TSget("whatever", con)
    tfplot(x)
  }
}
```

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