Package 'dsepadi'

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TSPADIdata

Constructor for TSPADIdata object

Description

Make a TSPADIdata object from identifier information

Usage

```
TSPADIdata(output=NULL, input=NULL, output.server=server, input.server=server, output.db=db, input.db=db, output.transforms="", input.transforms="", output.names=NULL, input.names=NULL, start=NA, end=NA, frequency=NA, pad=FALSE, pad.start=pad, pad.end=pad, server="", db="", start.server=NULL, server.process=NULL, cleanup.script=NULL, stop.on.error=TRUE, warn=TRUE)
```

is.TSPADIdata(obj)

Arguments

```
see tfPADIdata description of series.
output
output.server
                 see tfPADIdata descriptions.
output.db
                 see tfPADIdata descriptions.
output.transforms
                 see tfPADIdata descriptions.
output.names see tfPADIdata descriptions.
                 see tfPADIdata description of series.
input.server see tfPADIdata descriptions.
                 see tfPADIdata descriptions.
input.db
input.transforms
                 see tfPADIdata descriptions.
input.names see tfPADIdata descriptions.
                 see tfPADIdata descriptions.
start
                 see tfPADIdata descriptions.
end
```

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```
frequency
                 see tfPADIdata descriptions.
                 see tfPADIdata descriptions.
pad
                 see tfPADIdata descriptions.
pad.start
                 see tfPADIdata descriptions.
pad.end
                 see tfPADIdata descriptions.
server
                 see tfPADIdata descriptions.
db
start.server see tfPADIdata descriptions.
server.process
                 see tfPADIdata descriptions.
cleanup.script
                 see tfPADIdata descriptions.
stop.on.error
                 see tfPADIdata descriptions.
                 see tfPADIdata descriptions.
warn
obj
                 any object.
```

Details

This is the way to produce an object which can be used for PADI database access. Input and output values are passed to tfPADIdata so the TSdata object return is a list of tfPADIdata objects called input and output (but either of these can be NULL).

Value

An object of class "TSPADIdata" "TSdata".

See Also

```
freeze. TSPADIdata freeze. TSPADIdata tfPADIdata TSPADIdata2 setTSPADIdata
```

Examples

```
z <- TSPADIdata(output=c("seriesA", "seriesB"), server="myserver")
is.TSPADIdata(z)</pre>
```

TSPADIdata2

Constructor for TSPADIdata object

Description

Make a TSPADIdata object from identifier information

```
TSPADIdata2(input=NULL, output=NULL,
  start = NA, end = NA, frequency = NA,
  pad.start = FALSE, pad.end = FALSE,
  start.server = NULL, server.process = NULL, cleanup.script = NULL,
  stop.on.error =TRUE, warn =TRUE)
```

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Arguments

Lists of character vectors indicating data to be used as input. Each vector has 5 elements indicating the server, the database, the series identifier, any tranformation, and a name.

Output List (as for input) indicating outputs. At least one of input or output should be specified.

Start, end, frequency, pad.start, pad.end
Information about data retrieval. See tfPADIdata for more details.

Start.server, server.process, cleanup.script, stop.on.error, warn Additional information server operation. See tfPADIdata for more details.

Details

This is an alternate way to produce an object which can be used for PADI database access. Input and output values are passed to tfPADIdata so the TSdata object return is a list of tfPADIdata objects called input and output (but either of these can be NULL).

Value

An object of class "TSPADIdata" "TSdata".

See Also

freeze.TSPADIdatafreeze.TSPADIdatatfPADIdataTSPADIdata2setTSPADIdata

Examples

availability

Check Data Availability

Description

Check the dates for which date is available.

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Arguments

obj a vector of series identifiers or an object of class tfPADIdata. See TS-

data.TSPADIdata.

. . . arguments passed to other methods.

verbose TRUE or FALSE indicating if the results should be printed.

timeout an integer indicating the number of seconds to wait before concluding that the

server is not available.

names A character vector of names to be associated with the ids in printed results.

dbname A character vector of servers to be associated with the ids.

A character vector of databases to be associated with the ids.

stop.on.error

logical indicating if the function should stop if any series produces an error, or

continue with other series.

warn logical indicating if warning messages should be supressed.

Details

If verbose is TRUE then the start, end, and frequency are printed for each series in data.id. A list is return (invisibly) with the same information. The default method works for a character vector argument. An argument of class TSPADIdata may supply some additional information, and several of the indicated optional arguments do not apply to that method.

Value

A list with elements start, end, and frequency.

See Also

```
tfPADIdata, TSPADIdata, setTSPADIdata, retrieve.and.verify.data
```

Examples

```
if(require("padi") && checkPADIserver("ets")) {
   library() # debugging to see where padi is found if this fails
   d <- tfPADIdata("D1", server="ets")
   availability(d)}</pre>
```

freeze.TSPADIdata Get fixed data snapshot using TSPADI

Description

Get a TSdata structure from TSPADI Database Interface

```
## S3 method for class 'TSPADIdata':
freeze(data, timeout=60, ...)
```

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Arguments

data An object of class TSPADIdata.

timeout an integer indicating the number of seconds to wait before concluding that the

server is not available.

. . . Arguments passed to other methods.

Details

This function extracts data using the TS PADI interface to a database. See TSPADIdata, tfPADIdata, and freeze for more details.

Value

A TSdata object taken from the database.

See Also

```
freeze TSdata TSPADIdata
```

Examples

```
inflation.sa.names <- TSPADIdata2(
  output = list(
      c("ets","", "b820678", "ytoypc", "price services"),
      c("ets","", "b800938", "ytoypc", "total unit labour costs")
      ), stop.on.error=TRUE, warn=TRUE)
if(require("padi") & require("dse2") && checkPADIserver("ets"))
  z <- freeze(inflation.sa.names)</pre>
```

```
freeze.tfPADIdata Get fixed data snapshot
```

Description

Get a time series matrix structure from a database

Usage

```
## S3 method for class 'tfPADIdata':
freeze(data, timeout=60, ...)
## S3 method for class 'FAMEdata':
freeze(data, ...)
```

Arguments

data A description of how to get data.

timeout an integer indicating the number of seconds to wait before concluding that the

server is not available.

. . . Arguments passed to other methods.

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Details

This function extracts data from a database (for example using the TS PADI programs are available at www.bank-banque-canada.ca/pgilbert). This method is generic. Typically the argument data is a tfPADIdata or TSPADIdata object identifying the source of the data. See help for tfPADIdata and TSPADIdata. The default method usually just returns its argument, so freeze has no effect. This way freeze can be used to write functions which will take a snapshot from the database when they execute or will work with an already fixed copy of data if that is what is supplied. The default does allow for a character argument, in which case it is used to construct a tfPADIdata object using server="ets", then freeze that object. This allows for a simple syntax to grab a series from the database. The server="ets" is for convenience at the Bank of Canada and another default server might be more convenient elsewhere.

Value

A time series matrix.

See Also

```
tfPADIdata freeze. TSPADIdata TSPADIdata
```

Examples

```
if (require("padi") && checkPADIserver("ets")){
  z1 <- freeze("D1")
  z2 <- freeze(tfPADIdata(c("B1630", "B1642"), server="ets"))
  }</pre>
```

getpadi

Get Data from TSPADI Database Interface

Description

Get data from a TSPADI database interface.

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Arguments

series A character string giving the name of the series. Alternately, series can be a

vector of character strings specifying multiple series.

server A character string giving the network name of the server which is to be requested

to supply the series. If series specifies multiple series and they are not all on the same server then server should be a vector of character strings with elements

corresponding to the elements of series.

dbname A character string giving additional information to the server about the location

of the series (eg. the name of a database). If series specifies multiple series and they are not all on the same database then dbname should be a vector of

character strings with elements corresponding to the elements of series.

starty An integer indicating the starting year.

Startm An integer indicating the starting period.

Startd An integer indicating the starting day.

endy An integer indicating the ending year.

endm An integer indicating the ending period.

An integer indicating the ending day.

nobs The number of observations.

max.obs integer indicating the possible returned data size used to define the size of the

buffer to prepare.

transformations

A character string giving transformations to be applied to the series (e.g. "log"). If multiple series are being requested then transformations can be a single string, in which case it is applied to all series, or a vector of character strings, one for each series. If no transformation is to be applied to some series then "" should

be used.

pad If FALSE (default) then all series are truncated to the interection of available

time periods (i.e. the latest start date and earliest end date). If TRUE then series are padded with NA so the result starts at the earliest available observation and

ends at the last available observation.

start.server try to start a server if one is not running

server.process

command to execute in an attempt to start a server

cleanup.script

command to execute to terminate a server if one is started

user user id for access to the database (if necessary)
passwd password for access to the database (if necessary)

stop.on.error

If TRUE then stop is executed when an error occurs. Otherwise, the error mes-

sage is returned and the calling program must deal with it.

use.tframe If use.tframe=FALSE then ts() is used to construct the time series, otherwise the

tframe utilities are used. Certain transformations available with DSE require the tframe stucture and an error may result if these transformations are attempted

with use.tframe=FALSE.

warn Print warning messages for some crude frequency conversions (weekly data).

timeout an integer indicating the number of seconds to wait before concluding that the

server is not available.

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Details

See getpadi.default

Value

A time series matrix with a column for each series.

See Also

putpadi

identifiers

Get Identifiers from a data object

Description

Get Identifiers from a data object

Usage

```
identifiers(obj)
## Default S3 method:
identifiers(obj)
## S3 method for class 'tfPADIdata':
identifiers(obj)
```

Arguments

obj

An object which contains source series identifier information.

Value

A list with elements input and output which are strings indicating the input and output series identifiers.

See Also

tfPADIdata TSPADIdata sourceInfo sourcedb

Examples

```
if(require("padi") && checkPADIserver("ets")) {
  d <- tfPADIdata("D1", server="ets")
  identifiers(d)
}</pre>
```

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```
inputData.TSPADIdata
```

TS Input and Output Specific Methods

Description

See the generic function description.

Usage

```
## S3 method for class 'TSPADIdata':
inputData(x, series=seq(length=nseriesInput(x)))
## S3 method for class 'TSPADIdata':
outputData(x,series=seq(length=nseriesOutput(x)))
## S3 method for class 'TSPADIdata':
periodsInput(x)
## S3 method for class 'TSPADIdata':
periodsOutput(x)
```

Arguments

```
x a TSPADIdata object.
series series to select. Passed to selectSeries.
```

modify

modify a database descriptor object

Description

Modify a database descriptor object with new information

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Arguments

	obj	database descriptor object to be modified.
	append	if specified, append should be a list of (series, server, db, transforms, names) as specified for tfPADIdata. These are appended as additional series to the object.
	series	see tfPADIdata descriptions.
	server	see tfPADIdata descriptions.
	db	see tfPADIdata descriptions.
	transforms	see tfPADIdata descriptions.
	start	see tfPADIdata descriptions.
	end	see tfPADIdata descriptions.
	frequency	see tfPADIdata descriptions.
	names	see tfPADIdata descriptions.
	pad	see tfPADIdata descriptions.
	pad.start	see tfPADIdata descriptions.
	pad.end	see tfPADIdata descriptions.
	use.tframe	see tfPADIdata descriptions.
	start.server server.proces	see tfPADIdata descriptions.
		see tfPADIdata descriptions.
cleanup.script		•
		see tfPADIdata descriptions.
stop.on.error		
		see tfPADIdata descriptions.
	warn	see tfPADIdata descriptions.
	• • •	arguments to be passed to other methods.

Details

Any specified (non NA) optional arguments are used to modify the object. Values replace existing values (except in the case of append).

Value

A object of class "tfPADIdata" which can be used to retrieve a matrix time series object.

See Also

```
tfPADIdata freeze modify.TSPADIdata
```

Examples

```
if(require("padi")) {
  z <- tfPADIdata( c("seriesA", "seriesB"), server="myserver")
  z <- modify(z, pad.end=TRUE )
}</pre>
```

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```
modify. TSPADIdata Modify a TSPADIdata Object
```

Description

Modify a TSPADIdata object with new information

Usage

```
## S3 method for class 'TSPADIdata':
modify(obj,
                     start=NA, end=NA, frequency=NA,
                     pad=NA, pad.start=pad, pad.end=pad,
                     server=NA, db=NA, start.server=NA,
                     server.process=NA, cleanup.script=NA,
                     stop.on.error=NA, warn=NA,
                     append=NA, use.tframe=NA,
                    output=NA,
                                            input=NA,
                    output.server=NA,
                                          input.server=NA,
                    output.db=NA,
                                           input.db=NA,
                    output.transforms=NA, input.transforms=NA,
                    output.names=NA,
                                            input.names=NA,
                    . . . )
```

Arguments

```
a tfPADIdata object.
obj
                 see tfPADIdata description of series.
output
output.server
                 see tfPADIdata descriptions.
output.db
                 see tfPADIdata descriptions.
output.transforms
                 see tfPADIdata descriptions.
output.names see tfPADIdata descriptions.
                 see tfPADIdata descriptions of series
input.server see tfPADIdata descriptions.
input.db
                 see tfPADIdata descriptions.
input.transforms
                 see tfPADIdata descriptions.
input.names see tfPADIdata descriptions.
                 see tfPADIdata descriptions.
start
                 see tfPADIdata descriptions.
end
frequency
                 see tfPADIdata descriptions.
                 see tfPADIdata descriptions.
pad
pad.start
                 see tfPADIdata descriptions.
                 see tfPADIdata descriptions.
pad.end
```

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```
start.server see tfPADIdata descriptions.
server.process
                 see tfPADIdata descriptions.
                 see tfPADIdata descriptions.
server
                 see tfPADIdata descriptions.
db
cleanup.script
                 see tfPADIdata descriptions.
stop.on.error
                 see tfPADIdata descriptions.
warn
                 see tfPADIdata descriptions.
append
                 see tfPADIdata descriptions.
use.tframe
                 see tfPADIdata descriptions.
                 arguments to be passed to other methods.
```

Details

This is the way to modify a TSPADIdata object.

Value

An object of class "TSPADIdata" "TSdata".

See Also

TSPADIdata modify.tfPADIdata freeze.TSPADIdata freeze.TSPADIdata TSPADIdata

Examples

```
inflation.sa.names <- TSPADIdata2(
    output = list(
        c("ets","", "b820678", "ytoypc", "price services"),
        c("ets","", "b800938", "ytoypc", "total unit labour costs")
        ), stop.on.error=TRUE, warn=TRUE)
z <- modify(inflation.sa.names, server="newserver")</pre>
```

print.TSPADIdata Print Specific Methods

Description

See the generic function description.

```
## S3 method for class 'TSPADIdata': print(x, ...)
```

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Arguments

```
x a TSPADIdata object.
```

... arguments to be passed to other methods.

See Also

```
print summary
```

Description

See the generic function description.

Usage

```
## S3 method for class 'tfPADIdata':
print(x, ...)
```

Arguments

```
x a tfPADIdata object.
```

... arguments to be passed to other methods.

Side Effects

The object is printed.

See Also

```
print tfPADIdata
```

Examples

```
if(require("padi") && checkPADIserver("ets"))
    print(tfPADIdata(c("series1", "series2"), server="ets"))
```

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putpadi	PADI Functions	

Description

see details

Usage

Arguments

a tfPADIdata object with data to put on the server. data string or vector of strings indicating the server where the series will be found. server Scalar values are expanded to a vector of appropriate length. string or vector of strings indicating additional information for the server. Scalar dbname values are expanded to a vector of appropriate length. series vector of strings to use for series identifiers. start.server logical indicating if a (local) server should be started. server.process string indicating the name to be used to start a server process. cleanup.script string indicating the name to be used to shut down a server process. an optional string used by the server to check permission. user an optional string used by the server to check permission. passwd stop.on.error logical indicating if the function should stop if any series produces an error, or continue with other series.

logical indicating if warning messages should be supressed.

server is not available.

an integer indicating the number of seconds to wait before concluding that the

Details

warn

timeout

See putpadi.default.

Value

depends

See Also

```
getpadi putpadi. TSdata
```

refresh

Retrieve new data from a database

Description

Extact source information and retreive an updated version of the data from a database.

Usage

```
refresh(data)
```

Arguments

data

An object which has previously been obtained with freeze, so it contains source information which can be extracted and freeze re-applied.

Value

A time series object with class depending on the source information.

Examples

```
if(require("padi") && checkPADIserver("ets")) {
   d <- tfPADIdata("D1", server="ets")
   d <- freeze(d)
   d <- refresh(d) }</pre>
```

```
retrieve.and.verify.data

Retrieve and Verify Data
```

Description

Retrieve data from a database and verify a subset.

```
retrieve.and.verify.data(data.names,
    verification.data=verification.data, fuzz=1e-10)
```

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Arguments

Details

The data from the data base is compared with verification.data, which would normally be a subset (e.g. a subset used for model estimation). The comparison is done on the sub-sample for which verification data is available. This provides a mechanism for detecting large data revisions or rebasing.

Value

An object of class TSdata containing data from the data bases is returned.

Side Effects

If errors larger than fuzz are found then some warning messages are printed and the series in question can be plotted.

See Also

TSPADIdata setTSPADIdata settfPADIdata freeze

Examples

```
if(require("padi") & require("dse2") && checkPADIserver("ets")) {
  dnames <- TSPADIdata(output="D1", server="ets")
  d <- freeze(dnames)
  retrieve.and.verify.data(dnames, verification.data=d)}</pre>
```

setTSPADIdata

Prompt for Series Names

Description

Prompt for data series names and locations and create a data object.

Usage

```
setTSPADIdata()
```

Details

The function prompts for the names and database locations of series to be used for input (exogenous) variables and output (endogenous) variables and creates a data object. The data can be retrieved, in which case it is fixed as currently available (and becomes an object of class 'TSdata'), or it may be left dynamic, in which case it is retrieved whenever it is referenced (and is of class 'TSPADIdata' 'TSdata').

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Value

An object of class 'TSdata' or of class 'TSPADIdata' 'TSdata'

See Also

```
freeze TSdata
```

Examples

```
## Not run: data <- setTSPADIdata()</pre>
```

settfPADIdata

Prompt for series names

Description

Prompt for data series names and locations and create a data object.

Usage

```
settfPADIdata(preamble=TRUE)
```

Arguments

preamble

a logical indicating if the description of how to enter data should be printed.

Details

The function prompts for the names and database locations of series. The data can be retrieved, in which case it is returned as currently available on the database (and becomes a time series matrix), or it may be left dynamic, in which case it is of class 'tfPADIdata' and the discription can be used anytime to retrieve data.

Value

An object of class 'tfPADIdata' (or retrieved time series matrix).

See Also

```
freeze TSdata TSdata.object
```

Examples

```
data <- settfPADIdata()</pre>
```

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sourceInfo

Get source information from a data object

Description

Get source information from an object

Usage

```
sourceInfo(obj)
## Default S3 method:
sourceInfo(obj)
## S3 method for class 'tfPADIdata':
sourceInfo(obj)
```

Arguments

obj

An object which contains source series information.

Value

A list with elements input and output which are strings indicating the input and output source.

See Also

```
TSPADIdata identifiers
```

Examples

```
if(require("padi") && checkPADIserver("ets")) {
   d <- tfPADIdata("D1", server="ets")
   d <- freeze(d)
   sourceInfo(d)}</pre>
```

```
sourceInfo.TSPADIdata
```

TSPADIdata Specific Methods

Description

See the generic function description.

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Usage

```
## S3 method for class 'TSPADIdata':
sourceInfo(obj)
## S3 method for class 'TSPADIdata':
sourcedb(obj)
## S3 method for class 'TSPADIdata':
sourceserver(obj)
## S3 method for class 'TSPADIdata':
availability(obj, verbose=TRUE, timeout=60, ...)
## S3 method for class 'TSPADIdata':
identifiers(obj)
## S3 method for class 'TSPADIdata':
periods(x)
```

Arguments

```
obj a TSPADIdata object.

x a TSPADIdata object.

verbose a logical indicating if extra information should be printed.

timeout an integer indicating the number of seconds to wait before concluding that the server is not available.
```

(further arguments, currently disregarded).

. . .

See Also

sourceInfo

```
sourceInfo.TSdata tfPADI Specific Methods
```

Description

See the generic function description.

```
## S3 method for class 'TSdata':
sourceInfo(obj)
## S3 method for class 'TSestModel':
sourceInfo(obj)

## S3 method for class 'TSdata':
sourcedb(obj)
## S3 method for class 'TSestModel':
sourcedb(obj)

## S3 method for class 'TSdata':
sourceserver(obj)
## S3 method for class 'TSestModel':
sourceserver(obj)
```

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```
## S3 method for class 'TSdata':
identifiers(obj)
## S3 method for class 'TSestModel':
identifiers(obj)
```

Arguments

obj

An object of class TSdata or TSestModel.

See Also

sourceInfo

sourcedb

Get sourcedb from a data object

Description

Get sourcedb from a data object

Usage

```
sourcedb(obj)
## Default S3 method:
sourcedb(obj)
## S3 method for class 'tfPADIdata':
sourcedb(obj)
```

Arguments

obj

An object which contains source data base information.

Value

A list with elements input and output which are strings indicating the input and output sourcedb.

See Also

```
TSPADIdata identifiers sourceInfo
```

Examples

```
if(require("padi") && checkPADIserver("ets")) {
   d <- tfPADIdata("D1", server="ets")
   d <- freeze(d)
   sourcedb(d) }</pre>
```

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sourceserver

Get source server from a data object

Description

Get source server information from an object

Usage

```
sourceserver(obj)
## Default S3 method:
sourceserver(obj)
## S3 method for class 'tfPADIdata':
sourceserver(obj)
```

Arguments

obj

An object which contains source series information.

Value

A list with elements input and output which are strings indicating the input and output sourceserver.

See Also

TSPADIdata identifiers sourcedb sourceInfo

Examples

```
if(require("padi") && checkPADIserver("ets")) {
  d <- tfPADIdata("D1", server="ets")
  sourceserver(d)}</pre>
```

tfPADIdata

make tfPADIdata object

Description

Make a tfPADIdata object from a vector of identifiers

```
tfPADIdata(series, server = "", db= "", transforms= "",
    start=NA, end=NA, frequency=NA, names=NULL,
    pad=FALSE, pad.start=pad, pad.end=pad,
    use.tframe=TRUE,
    start.server=FALSE,
    server.process=PADIserverProcess(),
    cleanup.script=PADIcleanupScript(),
    stop.on.error=TRUE, warn=TRUE)
is.tfPADIdata(obj)
```

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Arguments

series vectors of strings indicating series identifiers.

server string or vector of strings indicating the server where the series will be found.

Scalar values are expanded to a vector of appropriate length.

db string or vector of strings indicating additional information for the server. Scalar

values are expanded to a vector of appropriate length.

transforms see details.

start a two element vector of starting year and period which is used when requesting

data.

end a two element vector of end year and end period which is used when requesting

data.

frequency a scalar indicating frequency. This is not used in requesting data, but if supplied

it is used as a check of returned data. A warning is issued if returned data does

not have this frequency.

names names to replace series identifiers.

pad TRUE or FALSE indicating if data should be padded with NAs on both ends to

the length of the longest available series. If padding is not done then series are truncated to the intersection of available data so there are no NAs in the result. pad.start and pad.end are the arguments which are actually used. pad is just a

convenient way to specify both.

pad.start logical indicating if NAs should be padded to beginning of data.

pad.end logical indicating if NAs should be padded to end of data.

use.tframe logical indicating if the tframe library methods should be used for the time di-

mension.

start.server logical indicating if a (local) server should be started.

server.process

string indicating the name to be used to start a server process.

cleanup.script

string indicating the name to be used to shut down a server process.

stop.on.error

logical indicating if the function should stop if any series produces an error, or

continue with other series.

warn logical indicating if warning messages should be supressed.

obj Any object.

Details

This is the way to produce an object which can be used for database access. The transforms a vector of strings, one for each series, giving any transformations which should be applied when the data is retrieved (with eval(call()), e.g. "log", or "" if no transform is to be applied).

Value

A object of class "tfPADIdata" which can be used to retrieve a matrix time series object.

See Also

freeze

24 tfputpadi

Examples

```
if(require("padi")) {
   z <- tfPADIdata( c("seriesA", "seriesB"), server="myserver")
   is.tfPADIdata(z)
  }</pre>
```

```
tfperiods.tfPADIdata
```

Specific Methods for Tframed data

Description

See the generic function description.

Usage

```
## S3 method for class 'tfPADIdata':
tframe(x)
## S3 method for class 'tfPADIdata':
tfperiods(x)
## S3 method for class 'tfPADIdata':
tfstart(x, ...)
## S3 method for class 'tfPADIdata':
tfend(x, ...)
## S3 method for class 'tfPADIdata':
tffrequency(x, ...)
## S3 method for class 'tfPADIdata':
seriesNames(x)
```

Arguments

```
x a tfPADIdata object.
```

. . . (further arguments, currently disregarded).

See Also

```
tframe, tfperiods, tfstart, tfend, tffrequency, freeze, seriesNames
```

tfputpadi

Write Data to a Data Server

Description

Write data to a server.

tfputpadi 25

Usage

```
tfputpadi(data,
    server = Sys.info()[["nodename"]],
    dbname = "",
    series = seriesNames(data),
    start.server =TRUE,
    server.process = padi.server.process(),
    cleanup.script = padi.cleanup.script(),
    user = Sys.info()[["user"]], passwd= "",
    stop.on.error =TRUE, warn =TRUE, timeout=60)
```

Arguments

data a tfPADIdata object with data to put on the server.

server string or vector of strings indicating the server where the series will be found.

Scalar values are expanded to a vector of appropriate length.

dbname string or vector of strings indicating additional information for the server. Scalar

values are expanded to a vector of appropriate length.

series vector of strings to use for series identifiers.

start.server logical indicating if a (local) server should be started.

server.process

string indicating the name to be used to start a server process.

cleanup.script

string indicating the name to be used to shut down a server process.

user an optional string used by the server to check permission.

passwd an optional string used by the server to check permission.

stop.on.error

logical indicating if the function should stop if any series produces an error, or

continue with other series.

warn logical indicating if warning messages should be supressed.

timeout an integer indicating the number of seconds to wait before concluding that the

server is not available.

Details

This function writes data to a database using the TS PADI programs available at www.bank-banque-canada.ca/pgilbert.

Value

A tfPADIdata object (as would be suitable for retrieving the data).

See Also

```
tfPADIdata putpadi
```

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tsp.TSPADIdata

Specific Methods for tsp

Description

See the generic function description.

Usage

```
## S3 method for class 'TSPADIdata':
tsp(x)
```

Arguments

v

a TSPADIdata object.

See Also

tsp

tsp.tfPADIdata

Specific Methods for tsp

Description

See the generic function description.

Usage

```
## S3 method for class 'tfPADIdata':
tsp(x)
```

Arguments

х

A tfPADIdata object.

See Also

tsp

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