

# Package ‘TSfame’

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**Title** Time Series Database Interface extensions for fame

**Description** TSfame provides a fame interface for TSdbi.

**Depends** R (>= 2.8.0), methods, tframePlus, TSdbi, DBI, fame, tis, zoo

**Imports** methods, DBI, TSdbi (>= 2009.5-1), tframe

**Suggests** tseries, TShistQuote

**Enhances** TSdbi

**License** GPL-2

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## R topics documented:

TSdbiMethods . . . . .	2
<b>Index</b>	<b>5</b>

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TSdbiMethods

*TSdbi fame Methods*


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## Description

Methods for TSdbi fame time series database connection.

## Usage

```
## S4 method for signature 'fameDriver, character':
TSconnect(drv, dbname, accessMode = if (file.exists(dbname))
          "shared" else "create", ...)
## S4 method for signature 'character,
## TSfameConnection':
TSget(serIDs, con, TSrepresentation =
      getOption("TSrepresentation"), tf = NULL, start =
      tfstart(tf), end = tfend(tf), names = serIDs,
      TSdescription = FALSE, TSdoc = FALSE, TSlabel=FALSE, ...)
## S4 method for signature 'ANY, character,
## TSfameConnection':
TSput(x, serIDs=seriesNames(x),
      con, TSdescription.=TSdescription(x), TSdoc.=TSdoc(x), TSlabel.=NULL,
      warn = TRUE, ...)
## S4 method for signature 'character,
## TSfameConnection':
TSdates(serIDs, con, ...)
## S4 method for signature 'character,
## TSfameConnection':
TSexists(serIDs, con, ...)
## S4 method for signature 'character,
## TSfameConnection':
TSdelete(serIDs, con, ...)
## S4 method for signature 'character,
## TSfameConnection':
TSdescription(x, con, ...)
## S4 method for signature 'character,
## TSfameConnection':
TSdoc(x, con, ...)
## S4 method for signature 'character,
## TSfameConnection':
TSlabel(x, con, ...)

## S4 method for signature 'TSfameConnection':
dbDisconnect(conn,...)
## S4 method for signature 'fameDriver':
dbUnloadDriver(drv, ...)
```

```
## Default S3 method:
fame()
```

### Arguments

<code>drv</code>	A fameDriver.
<code>dbname</code>	A character string indicating a database name.
<code>con</code>	A database connection.
<code>conn</code>	A database connection.
<code>serIDs</code>	identifiers for series to extract.
<code>x</code>	data series to put on the database, or a series identifier for TSdescription and TSdoc or, for print, a database connection as returned by TSconnect.
<code>TSrepresentation</code>	time series representation to use for the result.
<code>names</code>	Optional character vector to use for series names.
<code>tf</code>	Optional tframe to use for truncating data. (See <code>tfwindow</code> .)
<code>start</code>	Optional start date to use for truncating data. (See <code>tfwindow</code> .)
<code>end</code>	Optional end date to use for truncating data. (See <code>tfwindow</code> .)
<code>TSdescription</code>	TRUE or FALSE indicating whether description should be extracted
<code>TSdescription.</code>	Description to put on the database.
<code>TSdoc</code>	TRUE or FALSE indicating whether documentation should be extracted.
<code>TSdoc.</code>	Documentation to put on the database.
<code>TSlabel</code>	For compatibility with other TS packages. Not supported in Fame
<code>TSlabel.</code>	For compatibility with other TS packages. Not supported in Fame
<code>warn</code>	Logical indicating if warning messages should be suppressed.
<code>accessMode</code>	Optional character indicating the mode to use when opening the Fame database when establishing the first connection. After the first connection, "read" will be used for reading and "update" for writing.
<code>...</code>	Arguments passed to other methods.

### Details

These are fame methods for **TSdbi**. See the package **TSdbi** for details and see the vignette distributed with this package for more complete examples.

### Value

depends.

### See Also

[TSdbi-package](#), [dbConnect](#), [TSput](#)

**Examples**

```

con <- try(TSconnect(dbDriver("fame"), dbname="test.db"))
if(! inherits(con, "try-error")) {
  z <- ts(rnorm(100), start=c(1975,1), frequency=12)
  seriesNames(z) <- "random1"
  if(TSexists("random1", con)) TSreplace(z, con) else
  TSpout(z, con)
  z1 <- TSget("random1", con)
  tfplot(z1)
  z <- ts(matrix(rnorm(100),50,2), start=c(1975,1), frequency=4)
  seriesNames(z) <- c("random2","random3")
  if(TSexists("random2", con) |
     TSexists("random3", con) ) TSreplace(z, con) else
  TSpout(z, con)
  z2 <- TSget("random2", con)
  tfplot(z2)
  TSdates("D1", con)
  TSdates("random2", con)
  TSdates(c("random1","random2","random3"), con)
  TSmeta("random2", con)
  options(TSconnection=con)
  z2 <- TSget(c("random2","random3"))
  z <- TSdates(c("D1","random2","random3"))
  print(z)
  TSmeta("random2")
  TSdelete("random1", con)
  TSdelete("random2")
  dbDisconnect(con)
}

```

# Index

## \*Topic **ts**

TSdbiMethods, [2](#)

dbConnect, [3](#)

dbDisconnect, TSfameConnection-method  
([TSdbiMethods](#)), [2](#)

dbObjectId-class ([TSdbiMethods](#)), [2](#)

dbUnloadDriver, fameDriver-method  
([TSdbiMethods](#)), [2](#)

fame ([TSdbiMethods](#)), [2](#)

fameDriver-class ([TSdbiMethods](#)), [2](#)

fameObject-class ([TSdbiMethods](#)), [2](#)

TSconnect, fameDriver, character-method  
([TSdbiMethods](#)), [2](#)

TSdates, character, TSfameConnection-method  
([TSdbiMethods](#)), [2](#)

TSdbi-package, [3](#)

TSdbiMethods, [2](#)

TSdelete, character, TSfameConnection-method  
([TSdbiMethods](#)), [2](#)

TSdescription, character, TSfameConnection-method  
([TSdbiMethods](#)), [2](#)

TSdoc, character, TSfameConnection-method  
([TSdbiMethods](#)), [2](#)

TSexists, character, TSfameConnection-method  
([TSdbiMethods](#)), [2](#)

TSfameConnection-class  
([TSdbiMethods](#)), [2](#)

TSget, character, TSfameConnection-method  
([TSdbiMethods](#)), [2](#)

TSlabel, character, TSfameConnection-method  
([TSdbiMethods](#)), [2](#)

TSput, [3](#)

TSput, ANY, character, TSfameConnection-method  
([TSdbiMethods](#)), [2](#)