Package: tsSelect (via r-universe)

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Type Package

Title Execution of Time Series Models

Version 0.1.8

Author Avi Blinder <aviblinder@gmail.com>

Maintainer Avi Blinder <aviblinder@gmail.com>

Description Execution of various time series models and choosing the
best one either by a specific error metric or by picking the
best one by majority vote. The models are based on the
``forecast'' package, written by Prof. Rob Hyndman.

License GPL-2

LazyData TRUE

Depends R (>= 3.0.2)

Imports forecast

RoxygenNote 5.0.1

Repository https://aviblinder.r-universe.dev

RemoteUrl https://github.com/aviblinder/tsselect

RemoteRef HEAD

RemoteSha 85bb483d7be800b3d023eb24e9a32f05f76908b8

Contents

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check_object   *Check Object class*

Description

Internal function that verifies the class of the object (should be time series)

Usage

```
check_object(x)
```

Arguments

x   A timeseries object

Details

internal function for verifying that the object belongs to class "time series"

Value

stops if object not a ts class

Author(s)

Avi Blinder

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ros1_ts   *"Time Series sample"*

Description

This sample dataset is taken from a Kaggle's competition ("Rossman Store Sales")

Usage

```
data("ros1_ts")
```

Format

The format is: Time-Series [1:365] from 1 to 365: 0.1 5530 4327 4486 4997 ...

Details

Only 2013 sales data from the first store are represented in the dataset

Source

"https://www.kaggle.com/c/rossmann-store-sales/data"

Examples

```
data(ros1_ts)
## maybe str(ros1_ts) ; plot(ros1_ts) ...
```

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ros2_ts	*"Time Series sample 2"*

Description

This sample dataset is taken from a Kaggle's competition ("Rossman Store Sales")

Usage

```
data("ros2_ts")
```

Format

The format is: Time-Series [1:365] from 1 to 365: 0.1 5530 4327 4486 4997 ...

Details

Sales data from the second store are represented in the dataset

Source

"https://www.kaggle.com/c/rossmann-store-sales/data"

Examples

```
data(ros2_ts)
```

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run_models   *Run ts Models*

Description

Function that executes several models and picks the best one.

Usage

```
run_models(ts1, accuracy_measure = NULL)
```

Arguments

ts1   A timeseries object

accuracy_measure

                         - Possilbe error meassures: ME, RMSE, MAE, MPE ,MAPE, MASE, ACF1

Value

the best time series model

Author(s)

Avi Blinder

Examples

```
data(ros1_ts)
run_models(ros1_ts)
run_models(ros1_ts,"RMSE")
```

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