Package: URooTab (via r-universe)

August 28, 2024

Type Package

Title Tabular Reporting of 'EViews' Unit Root Tests

Version 0.1.0

Imports EviewsR, knitr, magrittr, xts, zoo

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Description Conduct unit root tests based on 'EViews' (<https://eviews.com>) routines and report them in tables. 'EViews' (Econometric Views) is a commercial software for econometrics.

Depends R (>= 3.4.0)

Suggests rmarkdown, testthat (>= 3.0.0)

License GPL

SystemRequirements EViews (>= 8)

URL https://github.com/sagirumati/URooTab

BugReports https://github.com/sagirumati/URooTab/issues

VignetteBuilder knitr

NeedsCompilation no

Date 2023-08-28

Encoding UTF-8

LazyData true

RoxygenNote 7.2.3

Roxygen list(markdown = TRUE)

Config/testthat/edition 3

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

RemoteUrl https://github.com/sagirumati/urootab

RemoteRef HEAD

RemoteSha 40494b6fde813711541c0421ee51122cd18b90e7

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adf *Conduct* ADF *unit root test using* EViews *routines*

Description

Use this function to conduct ADF unit root test using EViews routines

Usage

```
adf(series, info = "sic", caption = NULL, format = kable_format(), ...)
```

Arguments

series	A vector of names or wildcard expressions for series object(s) contained in a dataframe.
info	Name of the information criterion. For example, SIC, AIC, HQ.
caption	Table caption as in kable.
format	Table format in kable.
...	Other arguments supported by EviewsR import_kable() function.

Value

An EViews workfile

See Also

Other important functions: pp()

Examples

```
library(URooTab)

set.seed(1234)
x=rnorm(100)
y=cumsum(x)
z=cumsum(y)
dataFrame=data.frame(x,y,z)

# Check if `EViews` is installed before running the tests

eviewsExecutables=c('eviews','eviews10',paste0('Eviews',9:13,'_X',c(86,64)))
```

```
if(any(Sys.which(eviewsExecutables)!="")) adf(series=dataFrame,format="latex",info="aic")
```

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pp *Conduct* PP *unit root test using* EViews *routines*

Description

Use this function to conduct PP unit root test using EViews routines and report it in a table.

Usage

```
pp(series, info = "sic", caption = NULL, format = kable_format(), ...)
```

Arguments

series	A vector of names or wildcard expressions for series object(s) contained in a dataframe.
info	Name of the information criterion. For example, SIC, AIC, HQ.
caption	Table caption as in kable.
format	Table format in kable.
...	Other arguments supported by EviewsR import_kable() function.

Value

An EViews workfile

See Also

Other important functions: adf()

Examples

```
library(URooTab)

set.seed(1234)
x=rnorm(100)
y=cumsum(x)
z=cumsum(y)
dataFrame=data.frame(x,y,z)

# Check if `EViews` is installed before running the tests

eviewsExecutables=c('eviews','eviews10',paste0('Eviews',9:13,'_X',c(86,64)))
if(any(Sys.which(eviewsExecutables)!="")) pp(series=dataFrame,format="html",info="hq")
```

uroot *Conduct unit root test using* EViews *routines*

Description

Use this function to conduct unit root test using EViews routines

Usage

```
uroot(
  series,
  test = c("adf", "pp"),
  info = "sic",
  caption = NULL,
  format = kable_format(),
  ...
)
```

Arguments

series	A vector of names or wildcard expressions for series object(s) contained in a dataframe.
test	Name of the unit root test. For example, ADF, PP.
info	Name of the information criterion. For example, SIC, AIC, HQ.
caption	Table caption as in kable.
format	Table format in kable.
...	Other arguments supported by EviewsR import_kable() function.

Value

An EViews workfile

Examples

```
library(URooTab)

set.seed(1234)
x=rnorm(100)
y=cumsum(x)
z=cumsum(y)
dataFrame=data.frame(x,y,z)

# Check if `EViews` is installed before running the tests

eviewsExecutables=c('eviews','eviews10',paste0('Eviews',9:13,'_X',c(86,64)))
if(any(Sys.which(eviewsExecutables)!="")) uroot(series=dataFrame,format="markdown",info="sic")
```

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