

Package ‘URooTab’

August 30, 2023

Type Package

Title Tabular Reporting of 'EViews' Unit Root Tests

Version 0.1.0

Imports EviewsR, knitr, magrittr, xts, zoo

Maintainer Sagiru Mati <sagirumati@gmail.com>

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

RoxygenNote 7.2.3

Config/testthat/edition 3

Author Sagiru Mati [aut, cre] (<<https://orcid.org/0000-0003-1413-3974>>)

Repository CRAN

Date/Publication 2023-08-30 19:40:08 UTC

R topics documented:

adf	2
pp	3
uroot	4

Index	5
--------------	----------

 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 <code>import_kable()</code> 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")
```

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 <code>import_kable()</code> 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

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

Index

*** documentation**

adf, [2](#)

pp, [3](#)

uroot, [4](#)

*** important functions**

adf, [2](#)

pp, [3](#)

adf, [2](#), [3](#)

pp, [2](#), [3](#)

uroot, [4](#)