RcmdrPlugin.sutteForecastR: 'Rcmdr' Plugin for Alpha-Sutte Indicator

Ansari Saleh Ahmar¹²

¹ Department of Statistics, Faculty of Mathematics and Natural Sciences, Universitas Negeri Makassar, Indonesia, 90223

² Ahmar Institute, Indonesia, 90223

The 'sutteForecastR' is a package of Alpha-Sutte indicator. To make the 'sutteForecastR' user friendly, so we develop an 'Rcmdr' plug-in based on the Alpha-Sutte indicator function.

https://cran.r-project.org/web/packages/RcmdrPlugin.sutteForecastR/index.html

The formula of α-Sutte:

\[ a_t = \alpha \left( \frac{\Delta x}{\alpha + \delta} \right) + \beta \left( \frac{\Delta y}{\beta + \alpha} \right) + \gamma \left( \frac{\Delta z}{\gamma + \beta} \right) \]

where:
- \( \delta = a_{t-4} \)
- \( \alpha = a_{t-3} \)
- \( \beta = a_{t-2} \)
- \( \gamma = a_{t-1} \)
- \( \Delta x = \alpha - \delta = a_{t-3} - a_{t-4} \)
- \( \Delta y = \beta - \alpha = a_{t-2} - a_{t-3} \)
- \( \Delta z = \gamma - \beta = a_{t-1} - a_{t-2} \)
- \( a_t \) = data pada waktu ke-t
- \( a_{t+k} \) = data pada waktu ke-(t - k)
Package ‘RcmdrPlugin.sutteForecastR’

September 22, 2017

Type Package
Title 'Rcmdr' Plugin for Alpha-Sutte Indicator 'sutteForecastR'
Version 1.0.0
Date 2017-09-08
Author Ansari Saleh Ahmar [aut, cre]
Maintainer Ansari Saleh Ahmar <ansarisaleh@unm.ac.id>
Depends R (>= 3.0), Rcmdr (>= 1.8-3), sutteForecastR
Description The 'sutteForecastR' is a package of Alpha-Sutte indicator. To make the 'sutteForecastR' user friendly, so we develop an 'Rcmdr' plugin based on the Alpha-Sutte indicator function.
License GPL (>= 2)
NeedsCompilation no
Repository CRAN
Date/Publication 2017-09-22 08:44:55 UTC

R topics documented:

RcmdrPlugin.sutteForecastR

RcmdrPlugin.sutteForecastR package

Description
RcmdrPlugin.sutteForecastR package

Details
Author(s)

Ansari Saleh Ahmar

Maintainer: Ansari Saleh Ahmar <ansarisaleh@unm.ac.id>

Examples

```r
x <- c(94.77, 96.33, 98.12, 99.09, 100.04, 100.12, 99.93, 100.09, 101.44, 102.38, 103.68, 104.12, 104.81, 105.35, 106.36, 106.89, 107.35, 107.21, 107.72, 108.54, 109.57, 112.03)

alpha.sutte(x)
```
Index

alphasutte
   (RcmdrPlugin.sutteForecastR), 1

RcmdrPlugin.sutteForecastR, 1
References


