NDK_FARIMA_PARAM

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- C/C++
- .Net

Returns an array of cells for the initial (non-optimal), optimal or standard errors of the model's parameters.

Returns

status code of the operation

Return values

```
NDK_SUCCESS Operation successful

NDK FAILED Operation unsuccessful. See Macros for full list.
```

1

Parameters

```
[in]
                   is the univariate time series data (a one dimensional array).
         pData
[in]
         nSize
                  is the number of observations in pData.
[in,out]mean
                   is the ARMA model mean (i.e. mu).
[in,out]sigma
                   is the standard deviation of the model's residuals/innovations.
[in]
         nIntegral is the model's integration order.
[in,out]phis
                   are the parameters of the AR(p) component model (starting with the lowest
                   lag).
[in]
                   is the number of elements in phis (order of AR component)
         р
[in,out]thetas
                   are the parameters of the MA(q) component model (starting with the lowest
                   lag).
[in]
                   is the number of elements in thetas (order of MA component)
[in]
         retType is a switch to select the type of value returned: 1= Quick Guess,
                   2=Calibrated, 3= Std. Errors
                      Order Description
```

Quick guess (non-optimal) of parameters values (default)

- 2 Calibrated (optimal) values for the model's parameters
- 3 Standard error of the parameters' values

[in] maxIter is the maximum number of iterations used to calibrate the model. If missing or less than 100, the default maximum of 100 is assumed.

Remarks

- 1. The underlying model is described here.
- 2. The time series is homogeneous or equally spaced
- 3. The time series may include missing values (e.g. NaN) at either end.

Requirements

Header	SFSDK.H
Library	SFSDK.LIB
DLL	SFSDK.DLL

Exam	ples
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References

Hamilton, J.D.; Time Series Analysis, Princeton University Press (1994), ISBN 0-691-04289-6 Tsay, Ruey S.; Analysis of Financial Time Series John Wiley & SONS. (2005), ISBN 0-471-690740

See Also

[template("related")]