NDK_FARIMA_GOF

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- C/C++
- .Net

Computes the log-likelihood ((LLF), Akaike Information Criterion (AIC) or other goodness of fit function of the FARIMA model.

Returns

status code of the operation

Return values

NDK_SUCCESSOperation successfulNDK_FAILEDOperation unsuccessful. See Macros for full list.

Parameters

- [in] **pData** is the univariate time series data (a one dimensional array).
- [in] **nSize** is the number of observations in pData.
- [in] **mean** is the ARMA model mean (i.e. mu).
- [in] **sigma** is the standard deviation of the model's residuals/innovations.
- [in] **nIntegral** is the model's integration order.
- [in] **phis** are the parameters of the AR(p) component model (starting with the lowest lag).
- [in] **p** is the number of elements in phis (order of AR component)
- [in] **thetas** are the parameters of the MA(q) component model (starting with the lowest lag).
- [in] **q** is the number of elements in thetas (order of MA component)

[in] **retType** is a switch to select a fitness measure

Order Description

- 1 Log-Likelihood Function (LLF) (default)
- 2 Akaike Information Criterion (AIC)
- 3 Schwarz/Bayesian Information Criterion (SIC/BIC)
- 4 Hannan-Quinn information criterion (HQC)

[out] retVal is the calculated GOF return value

Requirements

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

Examples

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")]