

# NDK\_GAUSS\_FORECI

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- C/C++
- .Net

```
int __stdcall NDK_GAUSS_FORECI(double mean,  
                                double sigma,  
                                double alpha,  
                                BOOL upper,  
                                double *retVal  
                                )
```

Returns the upper & lower limit of the confidence interval for the Gaussian distribution.

## Returns

status code of the operation

## Return values

**NDK\_SUCCESS** Operation successful

**NDK\_FAILED** Operation unsuccessful. See [Macros](#) for full list.

## Parameters

[in] **mean** is the mean of the Gaussian distribution.

[in] **sigma** is the standard deviation of the Gaussian distribution.

[in] **alpha** is the statistical significance level. If missing, a default of 5% is assumed.

[in] **upper** is a switch to select the limit (upper/lower).

[out] **retVal** is the computed value.

## Remarks

1. The value of the sigma argument must be a positive.

## Requirements

<b>Header</b>	SFSDK.H
<b>Library</b>	SFSDK.LIB
<b>DLL</b>	SFSDK.DLL

```
int NDK_GAUSS_FORECI(double mean,
```

Namespace: NumXLAPI

```
double stdev,  
double alpha,  
short upper,  
ref double retVal  
)
```

**Class:** SFSDK  
**Scope:** Public  
**Lifetime:** Static

Returns the upper & lower limit of the confidence interval for the Gaussian distribution.

### Return Value

a value from **NDK\_RETCODE** enumeration for the status of the call.

**NDK\_SUCCESS** operation successful

Error Error Code

### Parameters

[in] **mean** is the mean of the Gaussian distribution.

[in] **stdev** is the standard deviation of the Gaussian distribution.

[in] **alpha** is the statistical significance level. If missing, a default of 5% is assumed.

[in] **upper** is a switch to select the limit (upper/lower).

[out] **retVal** is the computed value.

### Remarks

1. The value of the stdev argument must be a positive.

### Exceptions

Exception Type	Condition
None	N/A

### Requirements

<b>Namespace</b>	NumXLAPI
<b>Class</b>	SFSDK
<b>Scope</b>	Public
<b>Lifetime</b>	Static
<b>Package</b>	NumXLAPI.DLL

### Examples

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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

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## See Also

[template("related")]

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