

NDK_HIST_BIN_LIMIT

Last Modified on 04/15/2016 12:38 pm CDT

- C/C++
- .Net

```
int __stdcall NDK_HIST_BIN_LIMIT(double * pData,  
                                size_t  nSize,  
                                size_t  nBins,  
                                size_t  index,  
                                WORD  argRetTYpe,  
                                double * retVal  
                                )
```

Returns the upper/lower limit or center value of the k-th histogram bin.

Returns

status code of the operation

Return values

NDK_SUCCESS Operation successful

NDK_FAILED Operation unsuccessful. See [SFMacros.h](#) for more details.

See Also

NDK_HISTOGRAM()

Parameters

[in] **pData** is the input data series (one/two dimensional array).

[in] **nSize** is the number of elements in pData.

[in] **nBins** is the input number of bins for the histogram.

[in] **index** is the bin index or order; e.g. 0=1st bin (default), 1=2nd bin, ..., N-1.

[in] **argRetTYpe** is a switch to select the return output (0=lower limit (default), 1=upper limit of the bin, 2=center of the bin).

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

```
int NDK_HIST_BIN_LIMIT(double[]  pData,  
                       UIntPtr  nSize,  
                       UIntPtr  nBins,  
                       UIntPtr  index,  
                       short  argRetTYpe,  
                       ref double retVal  
                       )
```

Namespace: NumXLAPI

Class: SFSDK

Scope: Public

Lifetime: Static

Returns the upper/lower limit or center value of the k-th histogram bin.

Return Value

a value from [NDK_RETCODE](#) enumeration for the status of the call.

NDK_SUCCESS operation successful

Error Error Code

Parameters

[in] **pData** is the input data series (one/two dimensional array).

[in] **nSize** is the number of elements in pData.

[in] **nBins** is the input number of bins for the histogram.

[in] **index** is the bin index or order; e.g. 0=1st bin (default), 1=2nd bin, ..., N-1.

[in] **argRetType** is a switch to select the return output (0=lower limit (default), 1=upper limit of the bin, 2=center of the bin).

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

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")]
