

NDK_HISTOGRAM

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- C/C++
- .Net

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

Calculates the histogram or cumulative histogram function for a given 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.
- [in] **argRetTYpe** is a switch to select the return output: 0. histogram
1. cumulative histogram (default)).
- [out] **retVal** is the computed value.

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

Namespace: NumXLAPI
Class: SFSDK
Scope: Public
Lifetime: Static

